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1	Article	Samantaray T.; Saini J.; Pal P.K.; Gupta C.N.	Brain connectivity for subtypes of parkinson’s disease using structural MRI	2024	Biomedical Physics and Engineering Express	10	2				10.1088/2057-1976/ad1e77	Institute of Physics	20571976		Scopus
2	Review	Chellappa V.; Srivastava V.	Science mapping approach based review of thermal comfort studies in Indian residential buildings	2024	Journal of Engineering, Design and Technology	22	2	297	315	18	10.1108/JEDT-09-2021-0491	Emerald Publishing	17260531		Scopus
3	Article	Karmakar D.; Paul S.; Kumar Mandal S.; Pal A.; Kumar Paul P.; Pramanik S.; Jana D.	Rapid adsorption and simultaneous photocatalytic effect of Ru doped flower like antimony tungstate	2024	Journal of Physics D: Applied Physics	57	10				10.1088/1361-6463/ad0bc2	Institute of Physics	223727		Scopus
4	Review	Dahiya D.; Laishram B.	Life cycle energy analysis of buildings: A systematic review	2024	Building and Environment	252					10.1016/j.buildenv.2024.111160	Elsevier Ltd	3601323		Scopus
5	Article	Kumari S.V.G.; Pakshirajan K.; Pugazhenth G.	Development and characterization of active poly (3-hydroxybutyrate) based composites with grapeseed oil and MgO nanoparticles for shelf-life extension of white button mushrooms (Agaricus bisporus)	2024	International Journal of Biological Macromolecules	260					10.1016/j.ijbiomac.2024.129521	Elsevier B.V.	1418130		Scopus
6	Article	Devi T.S.; Das P.K.	Disambiguation of Isolated Manipuri Tonal Contrast Word Pairs Using Acoustic Features	2024	ACM Transactions on Asian and Low-Resource Language Information Processing	23	3				10.1145/3643830	Association for Computing Machinery	23754699	All Open Access; Hybrid Gold Open Access	Scopus
7	Article	Chutia A.; Arandhara P.J.; Behera B.K.; Pradhan A.; Saikia A.K.	Synthesis of Benzodioxepinones and Benzoxazepinones via Tandem Oxidation and Iodolactonization of 2-O/N-tethered Alkenyl Benzaldehyde Mediated by CuI/TBHP	2024	ACS Omega	9	12	14217	14232	15	10.1021/acsomega.3c09878	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
8	Article	Singh H.K.; Mohapatra P.P.; Pal D.; Dobbidi P.	Exploring the role of oxygen vacancies on the magnetic and electromagnetic absorption properties of La3+-modified M-type hexaferrite with Al3+-doping	2024	Journal of Physics Condensed Matter	36	11				10.1088/1361-648X/ad1302	Institute of Physics	9538984		Scopus
9	Article	Thungon P.D.; Kundu T.; Bachu V.; Goswami P.	Silk-Hydrogel-Immobilized Gold-Nanocluster-Seeded Catalase Protein as a Pre-Plasmonic Probe for Colorimetric Peroxide Sensing	2024	ACS Applied Optical Materials	2	3	414	422	8	10.1021/acsaom.3c00447	American Chemical Society	27719855		Scopus
10	Article	Karjee P.; Debnath B.; Mandal S.; Saha S.; Punniyamurthy T.	One-pot C-N/C-C bond formation and oxidation of donor-acceptor cyclopropanes with tetrahydroisoquinolines: access to benzo-fused indolizines	2024	Chemical Communications	60	30	4068	4071	3	10.1039/d4cc00810c	Royal Society of Chemistry	13597345		Scopus
11	Article	Singh S.B.; De M.	Carbon Dioxide Removal by Chemically and Thermally Reduced Graphene-Based Adsorbents	2024	Korean Journal of Chemical Engineering	41	3	783	796	13	10.1007/s11814-024-00111-7	Springer	2561115		Scopus

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12	Article	Das S.; Vanarse V.B.; Bandyopadhyay D.	Electroosmotic Micromixing in Physicochemically Patterned Microchannels	2024	Industrial and Engineering Chemistry Research	63	12	5312	5325	13	10.1021/acs.iecr.3c04092	American Chemical Society	8885885		Scopus
13	Article	Khalse N.M.; De M.	Adsorptive desulfurization of thiophenic sulfur compounds using nitrogen modified graphene	2024	Separation and Purification Technology	331					10.1016/j.seppur.2023.125693	Elsevier B.V.	13835866		Scopus
14	Article	Samanta A.; Behera P.; Chaubey A.; Mondal A.; Pal D.; Mohar K.; Roy L.; Srimani D.	Experimental and theoretical insights for designing Zn2+ complexes to trigger chemo-selective hetero-coupling of alcohols	2024	Chemical Communications	60	30	4056	4059	3	10.1039/d4cc00864b	Royal Society of Chemistry	13597345		Scopus
15	Article	Shah S.H.; Debnath T.	CuInS2-Decorated Perovskite Nanoarchitecture: Halide-Driven Energy and Electron Transfer	2024	Journal of Physical Chemistry Letters	15	9	2580	2586	6	10.1021/acs.jpcllett.4c00007	American Chemical Society	19487185		Scopus
16	Article	Devi D.; Kumar Sarma A.	Optimal advanced release scheme based on effective forecast horizon to minimize flood at downstream of a hydroelectric project	2024	Journal of Hydrology	631					10.1016/j.jhydrol.2024.130822	Elsevier B.V.	221694		Scopus
17	Article	Pegu O.A.; Das G.	Twisted-intramolecular-charge-transfer based fluorogenic nano-probes for ultrafast cyanide sensing in water and micellar medium	2024	Journal of Materials Chemistry C	12	18	6519	6527	8	10.1039/d4tc00643g	Royal Society of Chemistry	20507526		Scopus
18	Article	Ngiimeï D S.; Tamuli R.	CDF family of zinc transporters ZRC-1, MSC-2, and ZRG-17 are involved in survival at high zinc conditions, vegetative development, and cellulase utilization in Neurospora crassa	2024	Journal of Biosciences	49	1				10.1007/s12038-023-00398-4	Springer	2505991		Scopus
19	Article	Tapadar K.N.A.; Khatua M.; Tamarapalli V.	Traffic rate agnostic end-to-end delay optimization using receiver-based adaptive link scheduling in 6TiSCH networks	2024	Ad Hoc Networks	155					10.1016/j.adhoc.2024.103397	Elsevier B.V.	15708705		Scopus
20	Article	Kumar R.; Goswami G.; Debnath D.; Sinha A.; Das D.	Screening and evaluation of novel microalga Desmodesmus pannonicus CT01 for CO2 sequestration potential and aqua feed application	2024	Biomass Conversion and Biorefinery	14	5	6347	6358	11	10.1007/s13399-022-02776-8	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
21	Article	Yaranal N.A.; Kuchibhotla S.A.; Subbiah S.; Mohanty K.	Identification, removal of microplastics and surfactants from laundry wastewater using electrocoagulation method	2024	Water Emerging Contaminants and Nanoplastics	3	1				10.20517/wecn.2023.46	OAE Publishing Inc.	28312597	All Open Access; Gold Open Access	Scopus
22	Article	Rahman N.; Borah B.	Query-Based Extractive Text Summarization Using Sense-Oriented Semantic Relatedness Measure	2024	Arabian Journal for Science and Engineering	49	3	3751	3792	41	10.1007/s13369-023-07983-7	Springer Nature	2193567X	All Open Access; Green Open Access	Scopus
23	Article	Halder D.; Thomale R.; Basu S.	Circuit realization of a two-orbital non-Hermitian tight-binding chain	2024	Physical Review B	109	11				10.1103/PhysRevB.109.115407	American Physical Society	24699950	All Open Access; Green Open Access	Scopus

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24	Article	Al-Zainati N.; Ibrar I.; Altaee A.; Subbiah S.; Zhou J.	Multiple staging of pressure retarded osmosis: Impact on the energy generation	2024	Desalination	573					10.1016/j.desal.2023.117199	Elsevier B.V.	119164		Scopus
25	Article	Patel A.; Goswami S.; Hazarika G.; Sivaprakasam S.; Bhattacharjee S.; Manna D.	Sulfonium-Cross-Linked Hyaluronic Acid-Based Self-Healing Hydrogel: Stimuli-Responsive Drug Carrier with Inherent Antibacterial Activity to Counteract Antibiotic-Resistant Bacteria	2024	Advanced Healthcare Materials	13	6				10.1002/adhm.202302790	John Wiley and Sons Inc	21922640		Scopus
26	Article	Barman J.; Kumar B.; Balachandar R.	Hydrodynamics in channels with partial vegetation cover: Investigating the effects of homogeneous and heterogeneous vertical vegetation distribution	2024	Advances in Water Resources	185					10.1016/j.advwatres.2024.104642	Elsevier Ltd	3091708		Scopus
27	Article	Lahiri S.; Basu S.	Wannier charge center, spin resolved bulk polarization, and corner modes in a strained quantum spin Hall insulator	2024	Physical Review B	109	11				10.1103/PhysRevB.109.115424	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
28	Article	Gupta U.; Paluru N.; Nankani D.; Kulkarni K.; Awasthi N.	A comprehensive review on efficient artificial intelligence models for classification of abnormal cardiac rhythms using electrocardiograms	2024	Heliyon	10	5				10.1016/j.heliyon.2024.e26787	Elsevier Ltd	24058440	All Open Access; Gold Open Access; Green Open Access	Scopus
29	Article	Dahal R.; Kar I.	Guaranteed cost tracking control of constrained input nonlinear uncertain systems using event-based ADP	2024	Neurocomputing	572					10.1016/j.neucom.2023.127179	Elsevier B.V.	9252312		Scopus
30	Article	Kumar Deb S.; Dutta P.; Masud Karim G.; Patra A.; Bera P.; Das S.; Mukherjee P.; Rengasamy K.; Borbora A.; Manna U.; Subramanian V.; Narayan Maiti U.	Bulk versus surface-limited polymer encapsulation: A current pulse-induced approach for confined polymer coating selectively over quasi-oriented MXene aerogel	2024	Chemical Engineering Journal	484					10.1016/j.cej.2024.149617	Elsevier B.V.	13858947		Scopus
31	Article	Maji S.; Natesan S.	Adaptive-grid technique for the numerical solution of a class of fractional boundary-value-problems	2024	Computational Methods for Differential Equations	12	2	338	349	11	10.22034/cmde.2023.55266.2296	University of Tabriz	23453982		Scopus
32	Article	Zagabathuni A.; Padi K.K.; Kameswaran M.; Subramani K.	Development of Automated Tool for Electrode Array Insertion and its Study on Intracochlear Pressure	2024	Laryngoscope	134	3	1388	1395	7	10.1002/lary.30966	John Wiley and Sons Inc	0023852X	All Open Access; Bronze Open Access	Scopus
33	Article	Bisht V.; Das C.	Fabrication and characterization of the novel tubular ceramic membrane using walnut shells and its application in TiO2 nanoparticles separation from suspension	2024	Ceramics International	50	6	8706	8717	11	10.1016/j.ceramint.2023.12.187	Elsevier Ltd	2728842		Scopus

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34	Review	Mitra S.; Basak M.; Saini B.	Review—Recent Advances of Micro/Nano-Motor-Facilitated Electrochemical Sensor Development	2024	Journal of the Electrochemical Society	171	3				10.1149/1945-7111/ad2d88	Institute of Physics	134651		Scopus
35	Article	Nongthombam G.S.; Barman D.; Iyer P.K.	Through-Space Charge-Transfer-Based Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence in Fused 2H-Chromene Coumarin Congener Generating ROS for Antiviral (SARS-CoV-2) Approach	2024	ACS Applied Bio Materials	7	3	1899	1909	10	10.1021/acsabm.3c01262	American Chemical Society	25766422		Scopus
36	Article	Kumar V.; Sundaram S.	Utilization of information from CNN feature maps for offline word-level writer identification	2024	Expert Systems with Applications	238					10.1016/j.eswa.2023.121709	Elsevier Ltd	9574174	All Open Access; Green Open Access	Scopus
37	Article	Mallik R.; Saha M.; Sarmah A.; Singh V.; Mohan H.; Bhat P.; Kumaran S.S.; Mukherjee C.	A Bis(Aquated) Mn(II)-Based MRI Contrast Agent with a Rigid Hydroquinazoline Unit: Synthesis, Characterization, and in Vivo MR Imaging Study	2024	ACS Applied Bio Materials	7	3	1831	1841	10	10.1021/acsabm.3c01236	American Chemical Society	25766422		Scopus
38	Article	Gunjan G.; Shrivastava S.; Kashyap S.	Modeling and Analysis of Physical Layer Security of OTFS Systems under Transmit Antenna Selection and Passive Eavesdropping	2024	IEEE Communications Letters	28	3	483	487	4	10.1109/LCOMM.2024.3351272	Institute of Electrical and Electronics Engineers Inc.	10897798		Scopus
39	Article	Mulchandani N.; Masutani K.; Sakurai S.; Kimura Y.; Katiyar V.	Protic acid assisted synthesis of new materials from a carbon dioxide derived disubstituted lactone precursor	2024	Results in Materials	21					10.1016/j.rinma.2024.100538	Elsevier B.V.	2590048X	All Open Access; Gold Open Access	Scopus
40	Article	Ghosh S.; Mal D.; Biswas S.	Regulating water decontamination and food safety by a reusable, nano-sized MOF@cotton@chitosan composite through nanomolar detection of the drug nitroxinil and organoarsenic feed additive p-arsanilic acid	2024	Environmental Science: Nano	11	5	1967	1977	10	10.1039/d4en00066h	Royal Society of Chemistry	20518153		Scopus
41	Article	Sarmah P.; Wiltshire C.R.	Acoustic properties of the monophthongs of Assamese Indian English speakers	2024	World Englishes	43	1	161	181	20	10.1111/weng.12637	John Wiley and Sons Inc	8832919		Scopus
42	Article	Long C.; Ray M.	Water-soluble chiral coordination polymers of Li+, Na+, K+, and Ba2+ with an anionic iron(iii) complex of a l-threonine derivative and a significant red shift of visible spectra with Al3+ salt	2024	Dalton Transactions	53	15	6642	6652	10	10.1039/d3dt03945e	Royal Society of Chemistry	14779226		Scopus
43	Article	Parashar C.K.; Singh A.; Ghosh A.; Deshmukh O.S.; Bandyopadhyay D.	Recipes for mixing vortices in a microchannel using electric field	2024	Physics of Fluids	36	3				10.1063/5.0190949	American Institute of Physics	10706631	All Open Access; Bronze Open Access	Scopus

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44	Note	Kapoor H.K.; Patterson D.A.	Increasing Diversity, Equity, and Inclusion Awareness: An Example from India	2024	Communications of the ACM	67	4	35	36	1	10.1145/3630747	Association for Computing Machinery	10782	All Open Access; Bronze Open Access	Scopus
45	Article	Haque M.R.; Maity D.; Mondal R.	Gravitational neutrino reheating	2024	Physical Review D	109	6				10.1103/PhysRevD.109.063543	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
46	Article	Rana A.; Mishra G.; Biswas S.	Functional Group-Assisted Fluorescence Sensing Platform for Nanomolar-Level Detection of an Antineoplastic Drug and a Neurotransmitter from Environmental Water and Human Biofluids	2024	Inorganic Chemistry	63	10	4502	4510	8	10.1021/acs.inorgchem.3c03341	American Chemical Society	201669		Scopus
47	Article	Kumar R.; Saini G.K.; Jawed M.	Resilience of aerobic sludge biomass under chlorpyrifos stress and its recovery potential	2024	Chemosphere	352					10.1016/j.chemosphere.2024.141324	Elsevier Ltd	456535		Scopus
48	Article	Shit G.C.; Sengupta A.; Mondal P.K.	Stability analysis of electro-osmotic flow in a rotating microchannel	2024	Journal of Fluid Mechanics	983					10.1017/jfm.2024.151	Cambridge University Press	221120		Scopus
49	Article	Shaosen S.; Midhun M.; Li W.; Garg A.; Gao L.; Panda B.	A comprehensive study for evaluation of cell cooling coefficient of the batteries of fixed sizes and batteries with defects in manufacturing	2024	Journal of Energy Storage	81					10.1016/j.est.2023.110341	Elsevier Ltd	2352152X		Scopus
50	Article	Kumar Behera P.; Agarwal M.; Deshpande V.; Kumar B.	Spectral analysis of the flows in seepage affected threshold alluvial channels	2024	Results in Engineering	21					10.1016/j.rineng.2024.101830	Elsevier B.V.	25901230	All Open Access; Gold Open Access	Scopus
51	Article	Tiwari K.; Sharma B.G.; Brahme N.; Bisen D.P.; Richhariya T.; Verma A.; Sahu S.; Tripathi R.; Sinha A.	Investigation of Latent Fingerprint Detection and Cheiloscopy Development Using Li2SrSiO4:Tb3+ Phosphor for Forensic-Based Applications	2024	ACS Applied Optical Materials	2	3	433	444	11	10.1021/acsaom.3c00453	American Chemical Society	27719855		Scopus
52	Article	Thiyam J.; Singh S.R.; Bora P.K.	Chart classification: a survey and benchmarking of different state-of-the-art methods	2024	International Journal on Document Analysis and Recognition	27	1	19	44	25	10.1007/s10032-023-00443-w	Springer Science and Business Media Deutschland GmbH	14332833		Scopus
53	Article	Ghosh M.K.; Golui S.; Pal C.; Pradhan S.	ZERO-SUM STOCHASTIC GAMES IN CONTINUOUS-TIME WITH RISK-SENSITIVE AVERAGE COST CRITERION ON A COUNTABLE STATE SPACE	2024	Mathematical Control and Related Fields	14	1	255	283	28	10.3934/mcrf.2023003	American Institute of Mathematical Sciences	21568472	All Open Access; Gold Open Access	Scopus
54	Article	Gangwar M.S.; Agarwal P.	Simulation and fabrication of a-Si:H thin-film solar cells: a comparative study of simulation and experimental results	2024	Journal of Materials Science: Materials in Electronics	35	7				10.1007/s10854-024-12149-8	Springer	9574522		Scopus

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55	Review	Mishra R.K.; Jaya Prasanna Kumar D.; Sankannavar R.; Binnal P.; Mohanty K.	Hydro-deoxygenation of pyrolytic oil derived from pyrolysis of lignocellulosic biomass: A review	2024	Fuel	360					10.1016/j.fuel.2023.130473	Elsevier Ltd	162361	All Open Access; Hybrid Gold Open Access	Scopus
56	Article	Morang S.; Bandyopadhyay A.; Borah N.; Kar A.; Mandal B.B.; Karak N.	Photoluminescent Self-Healable Waterborne Polyurethane/Mo and S Codoped Graphitic Carbon Nitride Nanocomposite with Bioimaging and Encryption Capability	2024	ACS Applied Bio Materials	7	3	1910	1924	14	10.1021/acsabm.3c01259	American Chemical Society	25766422		Scopus
57	Article	Krishna E.; Sreelakshmy K.; Dev D.S.D.; Das M.	Medium Pressure Plasma Processing of Fused Silica: A Comparative Study for Material Removal Rate	2024	Plasma Chemistry and Plasma Processing	44	2	1069	1082	13	10.1007/s11090-023-10440-w	Springer	2724324		Scopus
58	Review	BharathwajChetty B.; Sajeev A.; Vishwa R.; Aswani B.S.; Alqahtani M.S.; Abbas M.; Kunnumakkara A.B.	Dynamic interplay of nuclear receptors in tumor cell plasticity and drug resistance: Shifting gears in malignant transformations and applications in cancer therapeutics	2024	Cancer and Metastasis Reviews	43	1	321	362	41	10.1007/s10555-024-10171-0	Springer	1677659		Scopus
59	Article	Medhi B.; Sarma M.	Deciphering the Internal Conversion Processes Involved in the Photochemical Ring-Opening of 1,3-Cyclohexadiene by Symmetric sp2-Carbon Substitutions	2024	Journal of Physical Chemistry A	128	11	2025	2037	12	10.1021/acs.jpca.4c00406	American Chemical Society	10895639		Scopus
60	Article	Mulpuri S.K.; Sah B.; Kumar P.	Protocol for conducting advanced cyclic tests in lithium-ion batteries to estimate capacity fade	2024	STAR Protocols	5	1				10.1016/j.xpro.2024.102938	Cell Press	26661667	All Open Access; Gold Open Access; Green Open Access	Scopus
61	Review	Rout L.; Behera P.; Punniyamurthy T.	Recent advances in transition-metal-catalyzed (Csp2)-X (X = Se, Te, As, Sb) bond formation	2024	Molecular Catalysis	557					10.1016/j.mcat.2024.113993	Elsevier B.V.	24688231		Scopus
62	Article	Cai W.; Huang H.; Chen P.; Huang X.; Gaurav S.; Pan Z.; Lin P.	Effects of biochar from invasive weed on soil erosion under varying compaction and slope conditions: comprehensive study using flume experiments	2024	Biomass Conversion and Biorefinery	14	5	5771	5790	19	10.1007/s13399-020-00943-3	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
63	Article	Giri I.; Biswas S.; Chhetri S.; Choudhuri A.; Mondal I.; Senanayak S.P.; Iyer P.K.; Chaudhuri D.; Vijayaraghavan R.K.	Ambient stable solution-processed organic field effect transistors from electron deficient planar aromatics: effect of end-groups on ambient stability	2024	RSC Advances	14	11	7915	7923	8	10.1039/d4ra01499e	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access	Scopus
64	Article	Srivastava T.; Basu D.N.	Dynamic characterization of supercritical natural circulation loop under periodic excitation	2024	International Journal of Thermal Sciences	197					10.1016/j.ijthermalsci.2023.108835	Elsevier Masson s.r.l.	12900729		Scopus

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65	Review	Vishwa R.; BharathwajChetty B.; Girisa S.; Aswani B.S.; Alqahtani M.S.; Abbas M.; Hegde M.; Kunnumakkara A.B.	Lipid metabolism and its implications in tumor cell plasticity and drug resistance: what we learned thus far?	2024	Cancer and Metastasis Reviews	43	1	293	319	26	10.1007/s10555-024-10170-1	Springer	1677659		Scopus
66	Article	Sontakke A.D.; Tiwari S.; Gupta P.; Banerjee S.K.; Purkait M.K.	Room temperature synthesis of β -cyclodextrin functionalized graphene oxide decorated MIL-100 (Fe): A sustainable drug cargo for anticancer drug delivery	2024	Materials Today Communications	38					10.1016/j.mtcomm.2024.108560	Elsevier Ltd	23524928		Scopus
67	Article	Gupta M.K.; Senthilkumar S.; Rangan L.	3, 5-Dihydroxy 4', 7-dimethoxyflavone–DNA interaction study for nucleic acid detection and differential cell staining	2024	International Journal of Biological Macromolecules	261					10.1016/j.ijbiomac.2024.129713	Elsevier B.V.	1418130		Scopus
68	Article	Kesarwany A.K.; Wagh V.	Some simple derivations of polynomial rings	2024	Journal of the Ramanujan Mathematical Society	39	1	65	78	13		Ramanujan Mathematical Society	9701249		Scopus
69	Article	Kumar R.; Sah B.; Kumar P.	Stray Loss Formulation for Inverter-Driven Induction Motors for a Wide Range of Switching Frequency and Motor's Loading	2024	IEEE Transactions on Industrial Electronics	71	3	2385	2394	9	10.1109/TIE.2023.3269484	Institute of Electrical and Electronics Engineers Inc.	2780046		Scopus
70	Article	Kumar A.; Choudhary R.	Effect of microwave pretreatment on characteristics of asphalt binders modified with scrap non-tire automotive rubber and waste derived pyrolytic oils after prolonged thermal storage	2024	Construction and Building Materials	419					10.1016/j.conbuildmat.2024.135558	Elsevier Ltd	9500618		Scopus
71	Article	Lenka B.K.; Bora S.N.	New method for linearization of non-autonomous nonlinear real-order systems	2024	European Physical Journal Plus	139	3				10.1140/epjp/s13360-024-04995-6	Springer Science and Business Media Deutschland GmbH	21905444		Scopus
72	Editorial	Siddique H.R.; Kunnumakkara A.B.	Preface	2024	Cancer and Metastasis Reviews	43	1	3			10.1007/s10555-024-10180-z	Springer	1677659	All Open Access; Hybrid Gold Open Access	Scopus
73	Article	Biswas U.; Bhattacharya S.	ML-based intelligent real-time feedback system for blended classroom	2024	Education and Information Technologies	29	4	3923	3951	28	10.1007/s10639-023-11949-5	Springer	13602357		Scopus
74	Article	Ferreira I.; Rafiq A.; Cheng J.	Incivility detection in open source code review and issue discussions	2024	Journal of Systems and Software	209					10.1016/j.jss.2023.111935	Elsevier Inc.	1641212	All Open Access; Green Open Access	Scopus
75	Review	Achomo M.A.; Kumar A.; Peela N.R.; Muthukumar P.	Hydrogen production from steam reforming of methanol: A comprehensive review on thermodynamics, catalysts, reactors, and kinetic studies	2024	International Journal of Hydrogen Energy	58		1640	1672	32	10.1016/j.ijhydene.2024.01.159	Elsevier Ltd	3603199		Scopus

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76	Article	Mia A.K.; Meyyappan M.; Giri P.K.	Asymmetric contact-induced selective doping of CVD-grown bilayer WS2 and its application in high-performance photodetection with an ultralow dark current	2024	Nanoscale	16	17	8583	8596	13	10.1039/d3nr06118c	Royal Society of Chemistry	20403364		Scopus
77	Article	Goswami A.; Saha S.; Yadav R.K.	Semimartingale Representation of a Class of Semi-Markov Dynamics	2024	Journal of Theoretical Probability	37	1	489	510	21	10.1007/s10959-023-01259-4	Springer	8949840		Scopus
78	Article	Bisarya A.; Karim S.; Narjinari H.; Banerjee A.; Arora V.; Dhole S.; Dutta A.; Kumar A.	Production of hydrogen from alcohols via homogeneous catalytic transformations mediated by molecular transition-metal complexes	2024	Chemical Communications	60	31	4148	4169	21	10.1039/d4cc00594e	Royal Society of Chemistry	13597345		Scopus
79	Article	Singh N.S.; Mia A.K.; Giri P.K.	Role of oxygen functional groups and attachment of Au nanoparticles on graphene oxide sheets for improved photodetection performance	2024	Nanoscale Advances	6	8	2136	2148	12	10.1039/d3na01120h	Royal Society of Chemistry	25160230		Scopus
80	Article	Konwar B.; De S.; Das G.; Ramesh A.	Inhibition of staphylococcal nuclease by benzimidazole-based Ligand: Implications in DNA-Mediated entrapment and uptake of MRSA by Macrophage-like cells	2024	Bioorganic Chemistry	144					10.1016/j.bioorg.2024.107133	Academic Press Inc.	452068		Scopus
81	Article	Mittal R.K.; Kulkarni S.S.; Singh R.	A Rotor Dynamics based Higher Order Stability Model to Investigate the Stability of High-Speed Micromilling	2024	Journal of Vibration Engineering and Technologies	12	3	4789	4807	18	10.1007/s42417-023-01152-8	Springer	25233920		Scopus
82	Article	Nayak S.; Sahoo N.; Komiyama M.	Soft Computing Model for Inverse Prediction of Surface Heat Flux From Temperature Responses in Short-Duration Heat Transfer Experiments	2024	Journal of Thermal Science and Engineering Applications	16	3				10.1115/1.4064432	American Society of Mechanical Engineers (ASME)	19485085		Scopus
83	Article	Bhoralı P.; Kalita D.J.; Das B.; Gogoi S.	A Pd(ii)-catalyzed denitrative alkyne annulation reaction for the synthesis of cyclopenta[b]chromanes	2024	Organic Chemistry Frontiers	11	10	2834	2838	4	10.1039/d4qo00344f	Royal Society of Chemistry	20524110		Scopus
84	Article	Porashar B.; Behera B.K.; Phukon H.; Saikia A.K.	Synthesis of tetrahydroquinazolines from 2-aminobenzonitriles and alkylidene malonates via 1,4-conjugate addition and an unprecedented rearrangement reaction	2024	Chemical Communications	60	32	4358	4361	3	10.1039/d4cc00240g	Royal Society of Chemistry	13597345		Scopus
85	Article	Chattopadhyay J.; Saikia A.	Non-Pólya bi-quadratic fields with an Euclidean ideal class	2024	Journal of Number Theory	256		1	7	6	10.1016/j.jnt.2023.09.005	Academic Press Inc.	0022314X	All Open Access; Green Open Access	Scopus
86	Article	Parashar S.; Muthukumar P.; Soti A.K.	Design optimization and numerical investigation of multi tube metal hydride reactor for large capacity hydrogen storage application	2024	Thermal Science and Engineering Progress	49					10.1016/j.tsep.2024.102468	Elsevier Ltd	24519049		Scopus

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87	Article	Roy M.; Patel H.K.; Arora S.; Kumar B.	Efficacy of Tsallis entropy for velocity estimation in an alluvial channel under different experimental scenarios	2024	Stochastic Environmental Research and Risk Assessment	38	3	1035	1049	14	10.1007/s00477-023-02612-z	Springer Science and Business Media Deutschland GmbH	14363240		Scopus
88	Article	Sarmah A.; Sarma M.; Nakajima T.; Sarma M.; Hobza P.	Spintronics on Demand: Optically Tunable Kondo-Type Phenomena in Germanene-Azobenzene Single-Molecule Junctions	2024	Journal of Physical Chemistry C	128	11	4687	4698	11	10.1021/acs.jpcc.3c07449	American Chemical Society	19327447		Scopus
89	Review	Barman P.; Dutta L.	Charging infrastructure planning for transportation electrification in India: A review	2024	Renewable and Sustainable Energy Reviews	192					10.1016/j.rser.2023.114265	Elsevier Ltd	13640321		Scopus
90	Review	Singh S.; Banerjee R.; Pal K.	Emerging trends in biodegradable polymer-metal nanoconjugates for cancer therapeutics	2024	European Polymer Journal	207					10.1016/j.eurpolymj.2024.112835	Elsevier Ltd	143057		Scopus
91	Article	Singhal M.; Gupta R.; Saikia B.; Malviya A.; Sarma A.; Phukan P.; Lynser D.	Hemodynamics in left coronary artery with ramus intermedius: A patient-specific computational study	2024	Physics of Fluids	36	3				10.1063/5.0187790	American Institute of Physics	10706631	All Open Access; Hybrid Gold Open Access	Scopus
92	Article	Addanki R.B.; Moktan S.; Halder S.; Sharma M.; Sarmah B.K.; Bhattacharyya K.; Kancharla P.K.	Exploiting the Strained Ion-Pair Interactions of Sterically Hindered Pyridinium Salts Toward SN2 Glycosylation of Glycosyl Trichloroacetimidates	2024	Journal of Organic Chemistry	89	6	3713	3725	12	10.1021/acs.joc.3c02207	American Chemical Society	223263		Scopus
93	Article	Ganesh M.D.; Mohapatra P.P.; Jain A.; Aich S.; Dobbidi P.	Unveiling the potential of Dy+3 substituted Ni-Zn ferrites: A study of physical, magnetic, dielectric, and microwave properties	2024	Materialia	33					10.1016/j.mtla.2023.101990	Elsevier B.V.	25891529		Scopus
94	Article	Nath J.; Baruah J.B.	Assemblies of Sulfathiazole- and Sulfamethazine-Derived Thiourea: Polymorphs, Solvates, and Fluoride Detection	2024	Crystal Growth and Design	24	5	1910	1925	15	10.1021/acs.cgd.3c01137	American Chemical Society	15287483		Scopus
95	Article	Adhikari P.; Bhattacharyya D.; Deori K.; Sarmah B.K.; Das A.	Chemo- and Regioselective Catalytic Cross-Coupling Reaction of Ketones for the Synthesis of β , γ -Disubstituted β , γ -Unsaturated Ketones	2024	Chemistry - A European Journal	30	15				10.1002/chem.202303206	John Wiley and Sons Inc	9476539		Scopus
96	Article	Singh T.; Naik A.; Uppaluri R.V.S.	Characterization of municipal solid waste generation and seasonal classification for various socio-demographic groups in Guwahati city	2024	Journal of Material Cycles and Waste Management	26	2	1210	1230	20	10.1007/s10163-023-01870-x	Springer	14384957		Scopus
97	Article	Das R.; Gandhi I.S.R.; Muthukumar P.	Mechanical and thermal properties of building mortars incorporating bio based phase change material	2024	Sadhana - Academy Proceedings in Engineering Sciences	49	1				10.1007/s12046-023-02370-2	Springer	2562499		Scopus

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98	Article	Yadav H.N.S.; Das M.	Development and Performance Evolution of Medium-Pressure He/SF6/O2-Based Plasma and Wet Chemical Etching Process for Surface Modification of Fused Silica	2024	Plasma Chemistry and Plasma Processing	44	2	1083	1104	21	10.1007/s11090-024-10447-x	Springer	2724324		Scopus
99	Article	Nitu N.; Fopase R.; Pandey L.M.; Hazarika K.P.; Borah J.P.; Singh R.K.; Srinivasan A.	Enhancement in the induction heating efficacy of sol-gel derived SiO2-CaO-Na2O-P2O5 bioglass-ceramics by incorporating magnetite nanoparticles	2024	Journal of Materials Chemistry B	12	14	3494	3508	14	10.1039/d3tb03014h	Royal Society of Chemistry	2050750X		Scopus
100	Article	Seal A.; Natesan S.; Toprakseven S.	A Dimensional-Splitting Weak Galerkin Finite Element Method for 2D Time-Fractional Diffusion Equation	2024	Journal of Scientific Computing	98	3				10.1007/s10915-023-02448-3	Springer	8857474		Scopus
101	Article	Pandey A.K.; Trivedi V.	Role Transformation of HSPA8 to Heme-peroxidase After Binding Hemin to Catalyze Heme Polymerization	2024	Protein Journal	43	1	48	61	13	10.1007/s10930-023-10167-9	Springer	15723887		Scopus
102	Article	Malhotra S.; Gupta L.; Nandan H.; Mohammed M.K.A.; Hossain M.K.; Madan J.; Bhattarai S.; Ansari M.Z.; Ghfar A.A.; Pandey R.	Tailoring the Hole Transport Layer and Understanding the Impact of Sn Oxidation for Different Mixed Halide Perovskite Active Layers: On a Quest for the Perfect Match	2024	Energy and Fuels	38	4	3417	3427	10	10.1021/acs.energyfuels.3c04392	American Chemical Society	8870624		Scopus
103	Article	Dutta P.; Sen P.; Kandasamy T.; Ghosh S.S.	Targeting AR-positive breast cancer cells via drug repurposing approach	2024	Computational Biology and Chemistry	108					10.1016/j.compbiolchem.2023.108007	Elsevier Ltd	14769271		Scopus
104	Article	Manojkumar R.; Kumar C.; Ganguly S.; Catalao J.P.S.	Net Load Forecast Error Compensation for Peak Shaving in a Grid-Connected PV Storage System	2024	IEEE Transactions on Power Systems	39	2	4372	4381	9	10.1109/TPWRS.2023.3317309	Institute of Electrical and Electronics Engineers Inc.	8858950		Scopus
105	Editorial	Farooq R.; Lathabhavan R.; Tripathi N.	Guest editorial: Learning in hybrid workplace: past, present and future	2024	Learning Organization	31	1	1	4	3	10.1108/TLO-01-2024-302	Emerald Publishing	9696474	All Open Access; Bronze Open Access	Scopus
106	Article	Gawal P.M.; Golder A.K.	Vegetal route for synthesis of CQDs/CdS nanocomposites for photocatalytic reduction of CO2 to methanol under visible light	2024	Colloids and Surfaces A: Physicochemical and Engineering Aspects	683					10.1016/j.colsurfa.2023.133068	Elsevier B.V.	9277757		Scopus
107	Article	Huang S.; Huang D.; Garg A.; Jiang M.; Mei G.; Pekkat S.	Stormwater management of biochar-amended green roofs: peak flow and hydraulic parameters using combined experimental and numerical investigation	2024	Biomass Conversion and Biorefinery	14	5	5835	5846	11	10.1007/s13399-020-01109-x	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
108	Article	Mahanta N.; Sharma L.G.; Pandey L.M.; Dixit U.S.	Artificial aging of rice using a sterilization box equipped with infrared heating and ultraviolet-C radiation	2024	Journal of Food Process Engineering	47	2				10.1111/jfpe.14544	John Wiley and Sons Inc	1458876		Scopus

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109	Article	Mukherjee P.; Baruah K.N.; Uppaluri R.V.S.	Encapsulation and characterization of commercial green tea extracts using green methods: a comparative study of inclusion complexation and ion gelation	2024	Journal of Food Measurement and Characterization	18	2	916	929	13	10.1007/s11694-023-02250-7	Springer	21934126		Scopus
110	Article	Ganesan S.P.; Bordoloi S.; Ni J.; Sizmur T.; Garg A.; Sekharan S.	Exploring implication of variation in biochar production on geotechnical properties of soil	2024	Biomass Conversion and Biorefinery	14	5	5791	5801	10	10.1007/s13399-020-00847-2	Springer Science and Business Media Deutschland GmbH	21906815	All Open Access; Green Open Access	Scopus
111	Article	Sarmah A.; Aggarwal R.; Vitekar S.S.; Katao S.; Boruah L.; Ito S.; Kanagaraj S.	Framework for early detection and classification of balance pathologies using posturography and anthropometric variables	2024	Clinical Biomechanics	113					10.1016/j.clinbiomech.2024.106214	Elsevier Ltd	2680033		Scopus
112	Article	Pandey A.K.; Trivedi V.	Hemin competitively inhibits HSPA8 ATPase activity mitigating its foldase function	2024	Archives of Biochemistry and Biophysics	752					10.1016/j.abb.2024.109889	Academic Press Inc.	39861		Scopus
113	Article	Singha A.; Pandey P.; Sahu A.; Qureshi M.	Ultrathin Dielectric Triggered Charge Injection Dynamics for High-Performance Metal Organic Framework/MXene Supercapacitors	2024	Journal of Physical Chemistry Letters	15	8	2123	2132	9	10.1021/acs.jpcllett.4c00188	American Chemical Society	19487185		Scopus
114	Article	Chakraborty N.; Rajbongshi K.K.; Gondaliya A.; Patel B.K.	PIDA/I2-mediated photo-induced aerobic N-acylation of sulfoximines with methylarenes	2024	Organic and Biomolecular Chemistry	22	12	2375	2379	4	10.1039/d4ob00175c	Royal Society of Chemistry	14770520		Scopus
115	Article	Katre S.; Ochonma P.; Asgar H.; Nair A.M.; Ravi K.; Gadikota G.	Mechanistic insights into the co-recovery of nickel and iron via integrated carbon mineralization of serpentinized peridotite by harnessing organic ligands	2024	Physical Chemistry Chemical Physics	26	12	9264	9283	19	10.1039/d3cp04996e	Royal Society of Chemistry	14639076		Scopus
116	Article	Kesarwani R.; Pal N.; Bhabak K.P.	Stimuli-responsive biotin-anchored prodrug for the targeted delivery of anti-cancer agent NBDHEX with turn-on NIR fluorescence	2024	Chemical Communications	60	25	3397	3400	3	10.1039/d4cc00210e	Royal Society of Chemistry	13597345		Scopus
117	Article	Chakraborty A.; Maity D.	Squeezing, chaos and thermalization in periodically driven quantum systems: the case of bosonic preheating	2024	Journal of High Energy Physics	2024	2				10.1007/JHEP02(2024)110	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
118	Article	Bhakat A.; Chattopadhyay A.	Molecular Cooperativity in the Intense Raman Scattering on the Surface of an Organic Molecular Microcrystal	2024	Advanced Optical Materials	12	5				10.1002/adom.202301776	John Wiley and Sons Inc	21951071		Scopus
119	Article	Ahmad A.; Nair A.M.	Spectral mixture analysis of intimate mixtures for lithological mapping	2024	ISPRS Journal of Photogrammetry and Remote Sensing	208		210	232	22	10.1016/j.isprsjprs.2023.12.014	Elsevier B.V.	9242716		Scopus
120	Article	Poudel S.; Wickramasinghe D.; Mukherjee M.; Chowdhoree I.; Chimi C.; Mishra B.; Abhinay K.; Mitra S.; Shaw R.	The status and prospect on nature-based solution in South Asia: A policy-based analysis	2024	PLOS Climate	3	3				10.1371/journal.pclm.0000289	Public Library of Science	27673200	All Open Access; Gold Open Access	Scopus

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121	Article	Samantaray S.; Maharana P.K.; Kar S.; Saha S.; Punniyamurthy T.	Redox-neutral zinc-catalyzed cascade [1,4]-H shift/annulation of diaziridines with donor-acceptor aziridines	2024	Chemical Communications	60	25	3441	3444	3	10.1039/d4cc00226a	Royal Society of Chemistry	13597345		Scopus
122	Article	Banerjee P.; Milind Akarte S.; Kumar P.; Shamsuzzaman M.; Butola A.; Agarwal K.; Prasad D.K.; Melandsø F.; Habib A.	High-resolution imaging in acoustic microscopy using deep learning	2024	Machine Learning: Science and Technology	5	1				10.1088/2632-2153/ad1c30	Institute of Physics	26322153	All Open Access; Gold Open Access; Green Open Access	Scopus
123	Article	Paul P.; S. R. K. Murthy K.; Chakraborty D.	Experimental studies on the extent of 3D and 2D stress–strain states at sharp V-notches	2024	Theoretical and Applied Fracture Mechanics	129					10.1016/j.tafmec.2023.104199	Elsevier B.V.	1678442		Scopus
124	Article	Bhar B.; Ranta P.; Samudrala P.K.; Mandal B.B.	Omentum Extracellular Matrix-Silk Fibroin Hydro scaffold Promotes Wound Healing through Vascularization and Tissue Remodeling in the Diabetic Rat Model	2024	ACS Biomaterials Science and Engineering	10	2	1090	1105	15	10.1021/acsbiomaterials.3c01877	American Chemical Society	23739878		Scopus
125	Article	Mann J.G.; He F.; Akkerman Q.A.; Debnath T.; Feldmann J.	A Bound Exciton Resonance Modulated by Bulk and Localized Coherent Phonons in Double Perovskites	2024	Journal of Physical Chemistry Letters	15	8	2169	2176	7	10.1021/acs.jpclett.3c03443	American Chemical Society	19487185		Scopus
126	Article	Gautam A.K.; Tiwari R.	Dynamic response characteristics of multiplicative faults in a misaligned-bowed rotor-train system integrated with active magnetic bearings	2024	International Journal of Dynamics and Control	12	2	319	347	28	10.1007/s40435-023-01203-8	Springer Science and Business Media Deutschland GmbH	2195268X		Scopus
127	Article	Biswas A.; Chakraborty S.	Assessment of microbial population in integrated CW-MFC system and investigation of organics and fecal coliform removal pathway	2024	Science of the Total Environment	912					10.1016/j.scitotenv.2023.168809	Elsevier B.V.	489697		Scopus
128	Article	Mishra M.; Verma K.; Banerjee S.; Punniyamurthy T.	Iron-catalyzed cascade C-C/C-O bond formation of 2,4-dienals with donor-acceptor cyclopropanes: access to functionalized hexahydrocyclopentapyrans	2024	Chemical Communications	60	20	2788	2791	3	10.1039/d3cc06261a	Royal Society of Chemistry	13597345		Scopus
129	Article	Singh S.; Kumar A.; Sitharam T.G.	Experimental study on strength, durability, hydraulic and toxicity characteristics of soil treated with mine tailings based geopolymers for sustainable road subgrade application	2024	Construction and Building Materials	414					10.1016/j.conbuildmat.2024.134894	Elsevier Ltd	9500618		Scopus

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130	Article	Datta A.; Roshan R.; Sil A.	Effects of Reheating on Charged Lepton Yukawa Equilibration and Leptogenesis	2024	Physical Review Letters	132	6				10.1103/PhysRevLett.132.061802	American Physical Society	319007	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
131	Article	Borah D.; Mahapatra S.; Paul P.K.; Sahu N.	Scotogenic U (1)L _μ -L _τ origin of (g-2) _μ , W -mass anomaly and 95 GeV excess	2024	Physical Review D	109	5				10.1103/PhysRevD.109.055021	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
132	Article	Kamble S.K.; Jagtap S.; Pawar U.C.	Computer based Concept maps as a tool for assessment for meaningful learning	2024	Journal of Engineering Education Transformations	37	2 Special Issue	62	66	4	10.16920/jeet/2024/v37is2/24023	Rajarambapu Institute Of Technology	23492473	All Open Access; Gold Open Access	Scopus
133	Article	Das M.; Bhattacharjya R.K.; Kartha S.A.	ANN-SFLA based parameter estimation method for an unsaturated–saturated simulation model	2024	Modeling Earth Systems and Environment	10	1	751	765	14	10.1007/s40808-023-01797-0	Springer Science and Business Media Deutschland GmbH	23636203		Scopus
134	Article	Pal R.; Kumar Gupta S.; Ahmad A.; Melandsø F.; Habib A.	Block-matching and 3D filtering-based denoising of acoustic images obtained through point contact excitation and detection method	2024	Applied Acoustics	217					10.1016/j.apacoust.2023.109843	Elsevier Ltd	0003682X	All Open Access; Hybrid Gold Open Access	Scopus
135	Article	Mohapatra A.; Kumar S.; Kanta Acharya T.; Goswami C.; Bhaumik S.	Highly stable fluorescent CsPbBr ₃ perovskite nanocrystals with reduced in-vitro toxicity for bioimaging and mercury ion detection in cells	2024	Materials Today Chemistry	36					10.1016/j.mtchem.2024.101930	Elsevier Ltd	24685194		Scopus
136	Article	Kiran U.; Sharma D.; Gautam S.S.	An efficient framework for matrix-free SpMV computation on GPU for elastoplastic problems	2024	Mathematics and Computers in Simulation	216		318	346	28	10.1016/j.matcom.2023.09.016	Elsevier B.V.	3784754		Scopus
137	Review	Rajendran H.K.; Deen M.A.; Ray J.P.; Singh A.; Narayanasamy S.	Harnessing the Chemical Functionality of Metal-Organic Frameworks Toward Removal of Aqueous Pollutants	2024	Langmuir	40	8	3963	3983	20	10.1021/acs.langmuir.3c02668	American Chemical Society	7437463		Scopus
138	Article	Narayan J.; Gritli H.; Dwivedy S.K.	Fast terminal sliding mode control with rapid reaching law for a pediatric gait exoskeleton system	2024	International Journal of Intelligent Robotics and Applications	8	1	76	95	19	10.1007/s41315-023-00314-x	Springer	23665971		Scopus
139	Article	Sarkar T.; Ghosh S.; Sundaravadivelu P.K.; Pandit G.; Debnath S.; Thummer R.P.; Satpati P.; Chatterjee S.	Mechanism of Protease Resistance of D-Amino Acid Residue Containing Cationic Antimicrobial Heptapeptides	2024	ACS Infectious Diseases	10	2	562	581	19	10.1021/acsinfecdis.3c00491	American Chemical Society	23738227		Scopus

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140	Article	Devi L.S.; Palathinkal R.P.; Dasmahapatra A.K.	Preparation of cross-linked PANI/PVA conductive hydrogels for electrochemical energy storage and sensing applications	2024	Polymer	293					10.1016/j.polymer.2024.126673	Elsevier Ltd	323861		Scopus
141	Article	Narayan J.; Kalita B.; Dwivedy S.K.	Adaptive backstepping human-cooperative control of a pediatric gait exoskeleton system with high- and low-level admittance	2024	Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering	238	3	545	562	17	10.1177/09596518231191390	SAGE Publications Ltd	9596518		Scopus
142	Article	Tiwari K.; Sharma B.G.; Brahme N.; Bisen D.P.; Richhariya T.; Verma A.; Sahu S.; Sinha A.	Study of morphological, elemental, optical and excitation wavelength dependent red photoluminescence in Eu3+ doped Li2SrSiO4 for solid state lighting	2024	Materials Science in Semiconductor Processing	171					10.1016/j.mssp.2023.107997	Elsevier Ltd	13698001		Scopus
143	Article	Hussain M.K.; Murthy K.S.R.K.; Chakraborty D.	Utilization of Quarter-Point Elements in Computation of Notch Stress Intensity Factors	2024	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering	48	1	381	395	14	10.1007/s40997-023-00662-w	Institute for Ionics	22286187		Scopus
144	Article	Lawarde A.; Sharif Rahmani E.; Nath A.; Lavogina D.; Jaal J.; Salumets A.; Modhukur V.	ExplORRNet: An interactive web tool to explore stage-wise miRNA expression profiles and their interactions with mRNA and lncRNA in human breast and gynecological cancers	2024	Non-coding RNA Research	9	1	125	140	15	10.1016/j.ncrna.2023.10.006	KeAi Communications Co.	24680540	All Open Access; Gold Open Access; Green Open Access	Scopus
145	Article	Deffo G.; Fotsop C.G.; Ngaha M.C.D.; Fogang S.G.; Vomo L.A.; Nkuigoua B.W.; Shella C.A.; Somba A.V.; Tene T.F.N.; Tchummegne I.K.; Njanja E.; Tonlé I.K.; Puzari P.; Ngameni E.	Evaluation of two core-shell (Ag2S@- and Bi2S3@-) sensors based on a metal-organic framework (NH2-MIL-125-Ti)/polyaniline for the electroanalysis of uric acid in urine samples	2024	Materials Advances	5	9	3683	3695	12	10.1039/d3ma01182h	Royal Society of Chemistry	26335409	All Open Access; Gold Open Access	Scopus
146	Article	Shrivastav N.; Madan J.; Hossain M.K.; Mohammed M.K.A.; Samajdar D.P.; Bhattarai S.; Pandey R.	Investigating inorganic perovskite as absorber materials in perovskite solar cells: machine learning analysis and optimization	2024	Physica Scripta	99	3				10.1088/1402-4896/ad2a2e	Institute of Physics	318949		Scopus
147	Article	Guo Z.; Chaudhari A.; Coffman A.R.; Barooah P.	Optimal Control of District Cooling Energy Plant With Reinforcement Learning and Model Predictive Control	2024	Journal of Engineering for Sustainable Buildings and Cities	5	1				10.1115/1.4064023	American Society of Mechanical Engineers (ASME)	26426641		Scopus
148	Article	Debnath S.; Meyyappan M.; Giri P.K.	Printed MoSe2/GaAs Photodetector Enabling Ultrafast and Broadband Photodetection up to 1.5 μm	2024	ACS Applied Materials and Interfaces	16	7	9039	9050	11	10.1021/acsami.3c17477	American Chemical Society	19448244		Scopus
149	Article	Vaswani L.K.; Chouhan B.S.; Panwar A.; Kumar G.	Electromagnetically induced transparency in a strongly coupled orthogonal polarization-insensitive planar terahertz metamaterial	2024	Journal of Physics D: Applied Physics	57	7				10.1088/1361-6463/ad0aed	Institute of Physics	223727		Scopus

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150	Article	Banerjee A.; Das S.; Maurya A.K.	Behavioural characteristics influencing walking speed of pedestrians over elevated facilities: A case study of India	2024	Transport Policy	147		169	182	13	10.1016/j.tranpol.2024.01.002	Elsevier Ltd	0967070X		Scopus
151	Article	Borah D.; Das S.J.; Samanta R.	Imprint of inflationary gravitational waves and WIMP dark matter in pulsar timing array data	2024	Journal of Cosmology and Astroparticle Physics	2024	3				10.1088/1475-7516/2024/03/031	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
152	Review	Choudhury K.; Ghosh S.S.	Ameliorating Old Drugs with New Tricks in the Nano Realms	2024	ACS Applied Nano Materials	7	4	3564	3579	15	10.1021/acsanm.3c06195	American Chemical Society	25740970		Scopus
153	Article	Rao C.A.; Murthy K.S.R.K.; Chakraborty D.	Role of CNTs on the Resistance to Delamination Growth in Three-Phase FRP Laminates with Embedded Delamination: Finite Element Analysis	2024	Journal of The Institution of Engineers (India): Series C	105	1	115	126	11	10.1007/s40032-023-01014-y	Springer	22500545		Scopus
154	Article	Singha A.D.; Pramanik P.; Joshi D.C.; Ghosh S.; Jena S.K.; Tiwari P.; Sarkar T.; Thota S.	Reentrant canonical spin-glass dynamics and tunable field-induced transitions in (GeMn)Co2O4 Kagomé lattice	2024	Journal of Physics Condensed Matter	36	7				10.1088/1361-648X/ad0767	Institute of Physics	9538984		Scopus
155	Article	Saikia S.; Kalamdhad A.S.	Assessment of pyrolysis potential of Indian municipal solid waste and legacy waste via physicochemical and thermochemical characterization	2024	Bioresource Technology	394					10.1016/j.biortech.2023.130289	Elsevier Ltd	9608524		Scopus
156	Article	Padhan A.; Mondal S.; Vishveshwara S.; Mishra T.	Interacting bosons on a Su-Schrieffer-Heeger ladder: Topological phases and Thouless pumping	2024	Physical Review B	109	8				10.1103/PhysRevB.109.085120	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
157	Article	Cengizci S.; Uğur Ö.; Natesan S.	A stabilized finite element formulation with shock-capturing for solving advection-dominated convection–diffusion equations having time-fractional derivatives	2024	Journal of Computational Science	76					10.1016/j.jocs.2024.102214	Elsevier B.V.	18777503		Scopus
158	Review	Brockmueller A.; Sajeev A.; Koklesova L.; Samuel S.M.; Kubatka P.; Büsselberg D.; Kunnumakkara A.B.; Shakibaei M.	Resveratrol as sensitizer in colorectal cancer plasticity	2024	Cancer and Metastasis Reviews	43	1	55	85	30	10.1007/s10555-023-10126-x	Springer	1677659		Scopus
159	Article	Priyananda Singh K.; Wareppam B.; Singh N.J.; Pal S.; Singh N.S.; Singh L.H.	Probing the structural transformation of ZIF-L to ZnO for sustainable congo red dye removal	2024	Physica Scripta	99	3				10.1088/1402-4896/ad2964	Institute of Physics	318949		Scopus
160	Article	Ahmed G.; Annapureddy P.K.R.; Kishore N.	Study on non-isothermal pyrolysis of Azadirachta Indica for kinetic triplets and thermodynamics evaluation	2024	Bioresource Technology Reports	25					10.1016/j.biteb.2024.101794	Elsevier Ltd	2589014X		Scopus
161	Review	Maturi K.C.; Kalamdhad A.S.	Comprehensive assessment of composting process of organic substrates using science mapping techniques	2024	Bioresource Technology Reports	25					10.1016/j.biteb.2023.101718	Elsevier Ltd	2589014X		Scopus

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162	Article	Bandyopadhyay A.; Mandal B.B.	Photocrosslinkable silk-based bioinks embedded with growth factor loaded microspheres towards cell-free 3D printing approach for biomimetic regeneration of meniscal tissue	2024	Applied Materials Today	36					10.1016/j.apmt.2023.102049	Elsevier Ltd	23529407		Scopus
163	Article	Banerjee S.; Punniyamurthy T.	Palladium-Catalyzed Weak-Chelation-Assisted C4-Nitration of Indoles with tert-Butyl Nitrite: Formal Access to Aminated Indoles	2024	Organic Letters	26	5	988	993	5	10.1021/acs.orglett.3c03921	American Chemical Society	15237060		Scopus
164	Article	Thomas T.; Mishra M.K.; Kumar C.; Liserre M.	Control of a PV-Wind Based DC Microgrid with Hybrid Energy Storage System Using Lyapunov Approach and Sliding Mode Control	2024	IEEE Transactions on Industry Applications	60	2	3746	3758	12	10.1109/TIA.2023.3349359	Institute of Electrical and Electronics Engineers Inc.	939994		Scopus
165	Review	Mandal A.; Khan A.T.	Recent advancement in the synthesis of quinoline derivatives via multicomponent reactions	2024	Organic and Biomolecular Chemistry	22	12	2339	2358	19	10.1039/d4ob00034j	Royal Society of Chemistry	14770520		Scopus
166	Article	Sankar S.; Gupta R.; Jose J.; Nandi S.	TROP: TRust-aware OPportunistic Routing in NoC with Hardware Trojans	2024	ACM Transactions on Design Automation of Electronic Systems	29	2				10.1145/3639821	Association for Computing Machinery	10844309		Scopus
167	Article	Ghosh S.; Mukherjee S.; Karthik V.; Bera P.; Dhakshinamoorthy A.; Biswas S.	A superhydrophobic MOF facilitating efficient solvent-free catalytic chemical fixation of CO2 and oxidation of hydrocarbons and MOF@cotton@starch composite-based selective sensing of a herbicide	2024	Journal of Materials Chemistry C	12	12	4460	4472	12	10.1039/d3tc04140a	Royal Society of Chemistry	20507526		Scopus
168	Article	Mishra H.; Bhattacharjee P.; Nemade H.B.	Long-range chain alignment in MEH-PPV films cast under an electric field	2024	Journal of Materials Science: Materials in Electronics	35	6				10.1007/s10854-024-12182-7	Springer	9574522		Scopus
169	Article	Purkayastha A.; Minz M.; Sonkar R.K.; Mallajosyula A.T.	Efficiency Enhancement and Life Cycle Assessment of 2D/3D Mixed-Dimensional Tin Perovskite Plasmonic Solar Cells	2024	ACS Applied Electronic Materials	6	2	737	747	10	10.1021/acsaelm.3c01166	American Chemical Society	26376113		Scopus
170	Article	Tanwar N.; Narjinari H.; Sharma H.; Dhole S.; Jasra R.V.; Kumar A.	Electrocatalytic Oxidation of Methanol and Ethanol with 3d-Metal Based Anodic Electrocatalysts in Alkaline Media Using Carbon Based Electrode Assembly	2024	Inorganic Chemistry	63	6	3005	3018	13	10.1021/acs.inorgchem.3c03784	American Chemical Society	201669		Scopus
171	Article	Kalita N.; Qureshi M.	Hollow Cuboidal Metal Oxide-Based Asymmetric Electrode Configuration for High-Performance Anion Exchange through Quaternized Pyridine-Poly(vinyl alcohol) @ Metal Hydroxide Nanosheets for Water Dissociation	2024	Journal of Physical Chemistry C	128	7	2776	2787	11	10.1021/acs.jpcc.3c07749	American Chemical Society	19327447		Scopus

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172	Article	Baruah H.; Singh S.R.; Sarmah P.	Transliteration Characteristics in Romanized Assamese Language Social Media Text and Machine Transliteration	2024	ACM Transactions on Asian and Low-Resource Language Information Processing	23	2				10.1145/3639565	Association for Computing Machinery	23754699		Scopus
173	Article	Maturi K.C.; Haq I.; Kalamdhad A.S.	Insights into the bioconversion of Ageratum conyzoides into a nutrient-rich compost and its toxicity assessment: nutritional and quality assessment through instrumental analysis	2024	Biomass Conversion and Biorefinery	14	3	3879	3895	16	10.1007/s13399-022-02532-y	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
174	Article	Bordoloi S.; Kumar H.; Hussain R.; Karangat R.; Lin P.; Sreedeeep S.; Zhu H.-H.	Assessment of hydro-mechanical properties of biochar-amended soil sourced from two contrasting feedstock	2024	Biomass Conversion and Biorefinery	14	5	5803	5818	15	10.1007/s13399-020-00946-0	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
175	Article	Teli Y.A.; Reetu R.; Gujjarappa R.; Banerjee S.; Ghanta S.; Patel M.J.; Singh V.; Al-Zaqri N.; Sengupta R.; Malakar C.C.	B(OH)3-Catalyzed Dual Friedel-Crafts Type Reaction of Anilines and Aldehydes to Access Di- or Triarylmethanes (TRAMs)	2024	European Journal of Organic Chemistry	27	7				10.1002/ejoc.202301086	John Wiley and Sons Inc	1434193X		Scopus
176	Article	Mankodi T.K.; Ejtehadi O.; Chourushi T.; Rahimi A.; Myong R.S.	nccrFOAM suite: Nonlinear coupled constitutive relation solver in the OpenFOAM framework for rarefied and microscale gas flows with vibrational non-equilibrium	2024	Computer Physics Communications	296					10.1016/j.cpc.2023.109024	Elsevier B.V.	104655		Scopus
177	Article	Chandrasekar R.; Deen M.A.; Narayanasamy S.	Performance analysis of hydrochar derived from catalytic hydrothermal carbonization in the multicomponent emerging contaminant systems: Selectivity and modeling studies	2024	Bioresource Technology	393					10.1016/j.biortech.2023.130018	Elsevier Ltd	9608524		Scopus
178	Article	Bhattacharyya S.; Barman R.; Singh A.; Saha A.K.	Parity distribution and divisibility of Mex-related partition functions	2024	Research in Number Theory	10	1				10.1007/s40993-023-00487-1	Springer Science and Business Media Deutschland GmbH	23639555	All Open Access; Green Open Access	Scopus
179	Article	Deshavath N.N.; Goud V.V.; Veeranki V.D.	Commercialization of 2G bioethanol as a transportation fuel for the sustainable energy, environment, and economic growth of India: theoretical and empirical assessment of bioethanol potential from agriculture crop residues	2024	Biomass Conversion and Biorefinery	14	3	3551	3563	12	10.1007/s13399-022-03039-2	Springer Science and Business Media Deutschland GmbH	21906815		Scopus

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180	Review	López-Fernández I.; Valli D.; Wang C.-Y.; Samanta S.; Okamoto T.; Huang Y.-T.; Sun K.; Liu Y.; Chirvony V.S.; Patra A.; Zito J.; De Trizio L.; Gaur D.; Sun H.-T.; Xia Z.; Li X.; Zeng H.; Mora-Seró I.; Pradhan N.; Martínez-Pastor J.P.; Müller-Buschbaum P.; Biju V.; Debnath T.; Saliba M.; Debroye E.; Hoye R.L.Z.; Infante I.; Manna L.; Polavarapu L.	Lead-Free Halide Perovskite Materials and Optoelectronic Devices: Progress and Prospective	2024	Advanced Functional Materials	34	6				10.1002/adfm.202307896	John Wiley and Sons Inc	1616301X		Scopus
181	Article	Hazarika K.P.; Borgohain C.; Borah J.P.	Influence of Controlled Dipolar Interaction for Polymer-Coated Gd-Doped Magnetite Nanoparticles toward Magnetic Hyperthermia Application	2024	ACS Omega	9	6	6696	6708	12	10.1021/acsomega.3c07835	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
182	Article	Banuary M.; Kumar D.; Gupta A.K.	Use of the dilated electron propagator in conjunction with the modified smooth exterior scaling method to characterize 2S Be+ (1s–1), 2S Ne+ (1s–1) Auger and 2P Be– shape resonances	2024	New Journal of Chemistry	48	11	4772	4782	10	10.1039/d3nj04908f	Royal Society of Chemistry	11440546		Scopus
183	Article	Alam T.; Patel B.K.	Electrochemical N-Aroylation of Sulfoximines by Using Benzoyl Hydrazines with H2 Generation	2024	Chemistry - A European Journal	30	9				10.1002/chem.202303444	John Wiley and Sons Inc	9476539		Scopus
184	Article	Frank M.; Fuks B.; Garg S.K.; Poulouse P.	Flavour-changing top quark decays in the alternative left-right model	2024	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	850					10.1016/j.physletb.2024.138548	Elsevier B.V.	3702693	All Open Access; Gold Open Access; Green Open Access	Scopus
185	Article	Yadav M.K.; Mondal A.; Sharma S.K.; Bag A.	Unveiling Thermal Effects on Sn-Doped β-Ga2O3Schottky Barrier Diodes on Sapphire for High-Temperature Power Electronics	2024	IEEE Transactions on Electron Devices	71	3	1529	1534	5	10.1109/TED.2023.3333818	Institute of Electrical and Electronics Engineers Inc.	189383		Scopus
186	Article	Das S.; Das T.; Debnath S.; Scherman O.A.; Das D.	pH Clock Guided Dynamic Broad Spectrum Multi-Color Fluorescence Modulation in Size-Oscillatory Vesicles	2024	Advanced Optical Materials	12	4				10.1002/adom.202301422	John Wiley and Sons Inc	21951071		Scopus
187	Article	Verma S.; Brahma R.; Baruah J.B.	Consequences of twisting of the flexible arms of imidazole-derived urea in zinc-dicarboxylate coordination polymers	2024	CrystEngComm	26	14	1976	1985	9	10.1039/d4ce00005f	Royal Society of Chemistry	14668033		Scopus

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188	Article	Konwar M.; Das T.; Das A.	Cyclometalated Ruthenium Catalyst Enables Selective Oxidation of N-Substituted Tetrahydroquinolines to Lactams	2024	Organic Letters	26	6	1184	1189	5	10.1021/acs.orglett.3c04263	American Chemical Society	15237060		Scopus
189	Article	Uniyal A.; Chakrabarti S.; Fathi M.; Övgün A.	Observational signatures: Shadow cast by the effective metric of photons for black holes with rational non-linear electrodynamics	2024	Annals of Physics	462					10.1016/j.aop.2024.169614	Academic Press Inc.	34916	All Open Access; Green Open Access	Scopus
190	Article	Kashyap P.; Panda B.; Gao L.; Garg A.	Design optimization of staggered-arranged battery thermal management system using an integrated approach of physics-based simulations and evolutionary algorithms	2024	Journal of Energy Storage	79					10.1016/j.est.2023.110229	Elsevier Ltd	2352152X		Scopus
191	Article	Vij S.; Warner J.F.; Sanjeev Mehta A.; Barua A.	Status quo in transboundary waters: Unpacking non-decision making and non-action	2024	Global Environmental Change	85					10.1016/j.gloenvcha.2024.102821	Elsevier Ltd	9593780	All Open Access; Hybrid Gold Open Access	Scopus
192	Article	Mehta S.K.; Mondal P.K.	Electroosmotic mixing of viscoplastic fluids in a microchannel	2024	Physical Review Fluids	9	2				10.1103/PhysRevFluids.9.023301	American Physical Society	2469990X		Scopus
193	Article	Mohapatra S.S.; Singh Bisht K.; Dhar S.; Biswas V.K.; Raghav S.K.; Kar R.K.; Maiti T.K.; Biswas A.	Inhibition of amyloid aggregation of insulin by amino acid conjugated bile acids: An insight into the possible role of biosurfactants in modulating the fibrillation kinetics and cytotoxicity	2024	Journal of Molecular Liquids	397					10.1016/j.molliq.2024.124142	Elsevier B.V.	1677322		Scopus
194	Article	Patra A.; Kandasamy T.; Ghosh S.S.; Saini G.K.	In vitro anticancer effects of recombinant anisoplin through activation of SAPK/JNK and downregulation of NFκB	2024	Toxicology in Vitro	94					10.1016/j.tiv.2023.105737	Elsevier Ltd	8872333		Scopus
195	Article	Choudhary P.; Raha U.; Myhrer F.; Chakrabarti D.	Analytical evaluation of elastic lepton-proton two-photon exchange in chiral perturbation theory	2024	European Physical Journal A	60	3				10.1140/epja/s10050-023-01207-0	Springer	14346001	All Open Access; Green Open Access	Scopus
196	Article	Rohit; Sharma S.	Identifying anthropogenic and palaeoenvironmental markers of Holocene prehistoric assemblages of Northeast India: A case study of Khasi Hills (Meghalaya)	2024	Journal of Archaeological Science: Reports	53					10.1016/j.jasrep.2024.104397	Elsevier Ltd	2352409X		Scopus
197	Article	Sunny; Lalwani S.K.; Bhati G.S.; Prakash S.	Bayesian Optimization Based Neural Architecture Search for Classification of Gases/Odors Mixtures	2024	IEEE Sensors Journal	24	5	7119	7125	6	10.1109/JSEN.2024.3349862	Institute of Electrical and Electronics Engineers Inc.	1530437X		Scopus
198	Article	Ong Tang R.C.; Jaiswal M.; Wang C.-T.; Ong Z.C.; Ong H.C.	Effect of bluff body embedded in flow channel on power performance of microbial fuel cell	2024	Fuel	359					10.1016/j.fuel.2023.130370	Elsevier Ltd	162361		Scopus

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199	Article	Das J.; Mandal S.; Borbora A.; Rani S.; Tenjimbayashi M.; Manna U.	Modulating Force of Nucleated Hydrogen Bubble Adhesion to Boost Electrochemical Water Splitting	2024	Advanced Functional Materials	34	6				10.1002/adfm.202311648	John Wiley and Sons Inc	1616301X		Scopus
200	Article	Chattopadhyay A.; Das S.	Commutants and complex symmetry of finite Blaschke product multiplication operator in	2024	Proceedings of the Edinburgh Mathematical Society	67	1	261	286	25	10.1017/S0013091523000809	Cambridge University Press	130915		Scopus
201	Article	Kundu D.; Nandi S.; Grover R.	On Weighted Least Squares Estimators for Chirp Like Model	2024	Sankhya A	86	1	27	66	39	10.1007/s13171-023-00313-x	Springer	0976836X		Scopus
202	Conference paper	Chaudhari H.; Kulkarni R.; Sundaravadivelu P.K.; Thummer R.P.; Bhuyan M.K.	Digital hologram reconstruction algorithm based on the Fractional Fourier transform in non-telecentric digital holographic microscopy	2024	Optics Letters	49	2	182	185	3	10.1364/OL.504723	Optica Publishing Group (formerly OSA)	1469592		Scopus
203	Article	Bhuyan K.; Sharma H.	Probabilistic capacity models and fragility estimate for NRC and UHSC panels subjected to contact blast	2024	Reliability Engineering and System Safety	242					10.1016/j.res.2023.109683	Elsevier Ltd	9518320		Scopus
204	Article	Quraishi S.; Saha D.; Kumari K.; Jha A.N.; Roy A.S.	Non-covalent binding interaction of bioactive coumarin esculetin with calf thymus DNA and yeast transfer RNA: A detailed investigation to decipher the binding affinities, binding location, interacting forces and structural alterations at a molecular level	2024	International Journal of Biological Macromolecules	257					10.1016/j.ijbiomac.2023.128568	Elsevier B.V.	1418130		Scopus
205	Article	Mehta S.K.; Kumar D.; Mondal P.K.; Wongwises S.	Characterisation of conjugate forced convection in a wavy solar power plant: The role of porous metallic blocks	2024	Chemical Engineering and Processing - Process Intensification	196					10.1016/j.cep.2023.109615	Elsevier B.V.	2552701		Scopus
206	Article	Bombarde D.S.; Agrawal M.; Gautam S.S.; Nandy A.	Development of quadratic enhanced assumed strain elements for three-dimensional linear elasticity	2024	Computers and Structures	291					10.1016/j.compstruc.2023.107217	Elsevier Ltd	457949		Scopus
207	Article	Shrivastava S.; John S.; Rajesh A.; Bora P.K.	Collision Penalty-Based Defense Against Collusion Attacks in Cognitive Radio Enabled Smart Devices	2024	IEEE Transactions on Consumer Electronics	70	1	3963	3976	13	10.1109/TCE.2023.3321797	Institute of Electrical and Electronics Engineers Inc.	983063		Scopus
208	Article	Sarma D.; Dutta H.P.J.; Yadav K.S.; Bhuyan M.K.; Laskar R.H.	Attention-based hand semantic segmentation and gesture recognition using deep networks	2024	Evolving Systems	15	1	185	201	16	10.1007/s12530-023-09512-1	Institute for Ionics	18686478		Scopus
209	Review	Koley S.; Dash S.; Khwairakpam M.; Kalamdhad A.S.	Perspectives and understanding on the occurrence, toxicity and abatement technologies of disinfection by-products in drinking water	2024	Journal of Environmental Management	351					10.1016/j.jenvman.2023.119770	Academic Press	3014797		Scopus
210	Article	Pandithevan P.; Prasannavenkadesan V.	A NON-INVASIVE METHOD TO RECONSTRUCT PATIENT-SPECIFIC HUMAN FEMUR WITH IN-SITU DRILLING TEMPERATURE DATA USING PROBABILITY DENSITY FUNCTION	2024	Journal of Mechanics in Medicine and Biology	24	1				10.1142/S0219519423500628	World Scientific	2195194		Scopus

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212	Article	Farooq R.	A review of knowledge management research in the past three decades: a bibliometric analysis	2024	VINE Journal of Information and Knowledge Management Systems	54	2	339	378	39	10.1108/VJIKMS-08-2021-0169	Emerald Publishing	20595891		Scopus
213	Article	Borah D.; Das P.; Nanda D.	Observable ΔNeff in Dirac scotogenic model	2024	European Physical Journal C	84	2				10.1140/epjc/s10052-024-12440-2	Institute for Ionics	14346044	All Open Access; Gold Open Access	Scopus
214	Article	Mallick R.; Vairakannu P.	Experimental studies on CO2-thermal plasma gasification of refused derived fuel feedstock for clean syngas production	2024	Energy	288					10.1016/j.energy.2023.129766	Elsevier Ltd	3605442		Scopus
215	Article	Nitu; Fopase R.; Pandey L.M.; Srinivasan A.	Effect of systematic substitution of Na2O for SiO2 on devitrification and bioactivity of sol-gel derived 69.5SiO2-24.5CaO-6P2O5 ceramics	2024	Materials Chemistry and Physics	313					10.1016/j.matchemphys.2023.128731	Elsevier Ltd	2540584		Scopus
216	Article	Banerjee R.; Bhattacharya S.; Majhi B.R.	Formulation of Galilean relativistic Born–Infeld theory	2024	European Physical Journal C	84	2				10.1140/epjc/s10052-024-12480-8	Institute for Ionics	14346044	All Open Access; Gold Open Access	Scopus
217	Article	Gautam D.K.; Kotecha P.; Subbiah S.	Water Networks for Eco-Industrial Parks with Optimal Trade-offs between Economic and Environmental Aspects	2024	Industrial and Engineering Chemistry Research	63	3	1474	1486	12	10.1021/acs.iecr.3c02655	American Chemical Society	8885885		Scopus
218	Article	Ferdous Rahman M.; Naim Hasan Toki M.; Kuddus A.; Mohammed M.K.A.; Rasidul Islam M.; Bhattarai S.; Madan J.; Pandey R.; Marzouki R.; Jemmali M.	Boosting efficiency above 30 % of novel inorganic Ba3SbI3 perovskite solar cells with potential ZnS electron transport layer (ETL)	2024	Materials Science and Engineering: B	300					10.1016/j.mseb.2023.117073	Elsevier Ltd	9215107		Scopus
219	Article	Mokhalingam A.; Gupta S.S.; Sauer R.A.	Continuum contact model for friction between graphene sheets that accounts for surface anisotropy and curvature	2024	Physical Review B	109	3				10.1103/PhysRevB.109.035435	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
220	Article	Chakraborty R.; Dey A.	Probabilistic Assessment of Seismic Response of Toe-Excavated Partially Saturated Hillslopes	2024	Indian Geotechnical Journal	54	1	196	209	13	10.1007/s40098-023-00840-2	Springer	9719555		Scopus
221	Article	Tiwari S.; Joshi P.; Hazarika K.P.; Seal P.; Borah J.P.; Fopase R.; Pandey L.M.; Meena S.S.; Kumar S.	Comprehensive in-vitro and magnetic hyperthermia investigation of biocompatible non-stoichiometric Zn0.5Ca0.5Fe2O4 and Mg0.5Ca0.5Fe2O4 nanoferrites on lung cancer cell lines	2024	Journal of Alloys and Compounds	972					10.1016/j.jallcom.2023.172588	Elsevier Ltd	9258388		Scopus

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222	Article	Jain M.; Patel M.J.; Liu L.; Gosai J.; Khemnani M.; Gogoi H.J.; Chee M.Y.; Guerrero A.; Lew W.S.; Solanki A.	Insights into synaptic functionality and resistive switching in lead iodide flexible memristor devices	2024	Nanoscale Horizons	9	3	438	448	10	10.1039/d3nh00505d	Royal Society of Chemistry	20556756		Scopus
223	Article	Reza M.S.; Rahman M.F.; Kuddus A.; Reza M.S.; Monnaf M.A.; Islam M.R.; Bhattarai S.; Al-Qaisi S.; Farhat L.B.; Ezzine S.	Improving the Efficiency of a New Perovskite Solar Cell Based on Sr3SbI3 by Optimizing the Hole Transport Layer	2024	Energy and Fuels	38	3	2327	2342	15	10.1021/acs.energyfuels.3c04099	American Chemical Society	8870624		Scopus
224	Article	Dixit A.; Dutta S.; Mahanta C.	Grain-size gap and downstream fining revealed in less chemically altered Brahmaputra Sandbars	2024	Journal of Soils and Sediments	24	2	1002	1018	16	10.1007/s11368-023-03702-9	Springer Science and Business Media Deutschland GmbH	14390108		Scopus
225	Article	Mehta S.K.; Ghosh A.; Mondal P.K.; Wongwises S.	Electroosmosis of viscoelastic fluids in pH-sensitive hydrophobic microchannels: Effect of surface charge-dependent slip length	2024	Physics of Fluids	36	2				10.1063/5.0181156	American Institute of Physics Inc.	10706631		Scopus
226	Review	Verma A.K.; Chettri D.; Verma A.K.; Selvaraj M.; Assiri M.A.	Bioprospecting lignin for biorefinery: Emerging innovations and strategies in microbial technology	2024	Biomass and Bioenergy	181					10.1016/j.biombioe.2024.107052	Elsevier Ltd	9619534		Scopus
227	Article	Kushwaha R.; Dey S.; Gupta K.; Mandal B.B.; Das D.	Secondary Chemical Cross-Linking to Improve Mechanical Properties in a Multifaceted Biocompatible Strain Sensor	2024	ACS Applied Materials and Interfaces	16	4	5183	5195	12	10.1021/acsami.3c18247	American Chemical Society	19448244		Scopus
228	Article	Dutta H.P.J.; Bhuyan M.K.; Neog D.R.; Macdorman K.F.; Laskar R.H.	A Hand Gesture-Operated System for Rehabilitation Using an End-to-End Detection Framework	2024	IEEE Transactions on Artificial Intelligence	5	2	698	708	10	10.1109/TAI.2023.3251309	Institute of Electrical and Electronics Engineers Inc.	26914581		Scopus
229	Article	Srinivasan E.; Hariharasubramanian R.	Minimum length word-representants of word-representable graphs	2024	Discrete Applied Mathematics	343		149	158	9	10.1016/j.dam.2023.10.021	Elsevier B.V.	0166218X		Scopus
230	Article	Ghosh S.; Swain J.	Restriction Theorem Fails for the Fourier–Hermite Transform Associated with the Normalized Hermite Polynomials with Respect to a Discrete Surface	2024	Results in Mathematics	79	1				10.1007/s00025-023-02030-1	Birkhauser	14226383		Scopus
231	Article	Sivakumar A.; Mishra P.K.; Hujeirat A.A.; Muruganandam P.	Energy spectra and fluxes of turbulent rotating Bose-Einstein condensates in two dimensions	2024	Physics of Fluids	36	2				10.1063/5.0190917	American Institute of Physics Inc.	10706631	All Open Access; Bronze Open Access; Green Open Access	Scopus
232	Article	Behera P.K.; Deshpande V.; Patel M.; Kumar B.	Anisotropy in Turbulent Flow over Two-Dimensional Fixed Bedforms with Downward Seepage	2024	Journal of Irrigation and Drainage Engineering	150	1				10.1061/JIEDH.IRENG-10193	American Society of Civil Engineers (ASCE)	7339437		Scopus

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233	Article	Baruah S.; Kumar A.; Peela N.R.	The promotional effect of Ag in activated carbon supported Pt-Ag nanoalloy electrocatalyst towards alkaline ethanol oxidation reaction: A kinetic study	2024	Journal of Electroanalytical Chemistry	953					10.1016/j.jelechem.2023.118015	Elsevier B.V.	15726657		Scopus
234	Article	De R.; Augustine S.; Das B.; Sikdar M.K.; Ranjan M.; Sahoo P.K.; Haque S.M.; Prathap C.; Rao K.D.	Influence of in-situ substrate temperature on anisotropic behaviour of glancing angle grown nickel nanocolumns	2024	Applied Physics A: Materials Science and Processing	130	2				10.1007/s00339-024-07300-5	Springer Science and Business Media Deutschland GmbH	9478396		Scopus
235	Article	Gupta P.; Kumar R.; Pal D.	Magneto-structural Imprints in Eu-Substituted NdCrO3 Perovskites	2024	Journal of Superconductivity and Novel Magnetism	37	2	425	437	12	10.1007/s10948-023-06677-3	Springer	15571939		Scopus
236	Article	Nudrat S.; Maity S.; Khare S.; Kumari K.; Jana M.; Singha Roy A.	Construing the Interactions of Coumarin Derivatives with the Main Protease of Stomach Pepsin Using Spectroscopic and Computational Analyses: Insights into the Binding Thermodynamics, Antifibrillation Studies, and Enzymatic Assay	2024	ACS Food Science and Technology	4	1				10.1021/acsfoodscitech.3c00495	American Chemical Society	26921944		Scopus
237	Article	Roy Chowdhury D.; Nandi S.; Goswami D.	Cost-effective live video streaming for internet of connected vehicles using heterogeneous networks	2024	Ad Hoc Networks	153					10.1016/j.adhoc.2023.103334	Elsevier B.V.	15708705		Scopus
238	Article	Kundu A.; Banerjee A.	Simulation of SMA-based engineering applications considering large displacement and rotation, thermomechanical coupling and partial phase transformation	2024	Thin-Walled Structures	195					10.1016/j.tws.2023.111338	Elsevier Ltd	2638231		Scopus
239	Article	Ahmed A.; Saikia P.; Ray P.; Dutta R.; Dolui S.K.	A robust and highly compressible polyacrylamide co-polymer hydrogel developed through g-C3N4 initiated photopolymerisation and its photocatalytic activity towards dye removal†	2024	New Journal of Chemistry	48	9	3984	3997	13	10.1039/d3nj05474h	Royal Society of Chemistry	11440546		Scopus
240	Article	Satya Kishore P.; Gujjarappa R.; Jagdishbhai Patel M.; Polina S.; Kishore Putta V.P.R.; Singh V.; Malakar C.C.; Pralhad Pujar P.	A Metal-Free KOTBu-Mediated Protocol towards the Synthesis of Quinolines, Indenoquinolines and Acridines	2024	ChemistrySelect	9	4				10.1002/slct.202304897	John Wiley and Sons Inc	23656549		Scopus
241	Article	Yadav I.J.; Singh P.; Chauhan B.S.	Numerical analysis of gas–solid hydrodynamics and heat transfer characteristics in a multi-stage fluidized bed temperature stabilizer	2024	Journal of Thermal Analysis and Calorimetry	149	4	1617	1627	10	10.1007/s10973-023-12783-0	Springer Science and Business Media B.V.	13886150		Scopus
242	Article	Das M.; Ghosh S.	Improved Charge Storage Capacity of Supercapacitor Electrodes by Engineering Surfaces: The Case of Janus MXenes	2024	Journal of Physical Chemistry C	128	3	1014	1023	9	10.1021/acs.jpcc.3c07443	American Chemical Society	19327447	All Open Access; Green Open Access	Scopus

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243	Article	Shukla C.; Gupta D.; Pandey B.K.; Bhakar S.R.	Suitability assessment of different cladding materials for growing bell pepper under protected cultivation structures using multi-criteria decision-making technique	2024	Environment, Development and Sustainability	26	2	3713	3733	20	10.1007/s10668-022-02854-x	Springer Science and Business Media B.V.	1387585X		Scopus
244	Article	Pradhan N.; Kumar P.; Kanamoto R.; Dey T.N.; Bhattacharya M.; Mishra P.K.	Ring Bose-Einstein condensate in a cavity: Chirality detection and rotation sensing	2024	Physical Review A	109	2				10.1103/PhysRevA.109.023524	American Physical Society	24699926	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
245	Article	Valluvan A.B.; Goyal A.; Jain D.; Samantaray A.S.; Sarwade A.; Sankarasubramanian K.	Solar Flare Catalogue from 3 Years of Chandrayaan-2 XSM Observations	2024	Solar Physics	299	2				10.1007/s11207-023-02244-0	Springer Science and Business Media B.V.	380938		Scopus
246	Article	Kalita A.; Khatua M.	Time-Variant RGB Model for Minimal Cell Allocation and Scheduling in 6TiSCH Networks	2024	IEEE Transactions on Mobile Computing	23	2	1803	1814	11	10.1109/TMC.2023.3241021	Institute of Electrical and Electronics Engineers Inc.	15361233		Scopus
247	Review	Chattopadhyay A.K.; Saha S.; Nag A.; Nandi S.	Secret sharing: A comprehensive survey, taxonomy and applications	2024	Computer Science Review	51					10.1016/j.cosrev.2023.100608	Elsevier Ireland Ltd	15740137		Scopus
248	Article	Rani S.M.R.; Chopra R.; Appaiah K.	Statistical beamforming for cell free massive MIMO under mixed LoS/ NLoS channels	2024	Physical Communication	62					10.1016/j.phycom.2023.102254	Elsevier B.V.	18744907		Scopus
249	Article	Ghosh P.; Shokeen K.; Mondal S.; Kandasamy T.; Kumar S.; Ghosh S.S.; Iyer P.K.	Amyloid Targeting Red Emitting AIE Dots for Diagnostic and Therapeutic Application against Alzheimer’s Disease	2024	ACS Chemical Neuroscience	15	2	268	277	9	10.1021/acschemneuro.3c00473	American Chemical Society	19487193		Scopus
250	Article	Dutta A.; Nayak M.; Nag R.; Bera A.; Bhaumik S.; Akhtar A.J.; Saha S.K.	Precipitation-assisted, low-temperature-annealed TiO2 and its nanocomposites-based photoanode for DSSCs	2024	Journal of Materials Science: Materials in Electronics	35	4				10.1007/s10854-024-12055-z	Springer	9574522		Scopus
251	Article	Upadhyaya A.; Mahanta C.	An Overview of Battery Based Electric Vehicle Technologies With Emphasis on Energy Sources, Their Configuration Topologies and Management Strategies	2024	IEEE Transactions on Intelligent Transportation Systems	25	2	1087	1111	24	10.1109/TITS.2023.3316191	Institute of Electrical and Electronics Engineers Inc.	15249050		Scopus
252	Article	Das B.; Chakraborty N.; Dhara H.N.; Bhattacharyya P.; Patel B.K.	Access to Chromenopyrrole via Tandem [3 + 2] Cycloaddition and Intramolecular C-O Coupling	2024	Journal of Organic Chemistry	89	2	1331	1335	4	10.1021/acs.joc.3c02479	American Chemical Society	223263		Scopus
253	Article	Yadav H.N.S.; Das M.	Design and development of medium-pressure plasma process for optical substrate finishing: A comparative study with wet chemical etching	2024	Journal of Manufacturing Processes	109		628	642	14	10.1016/j.jmapro.2023.12.034	Elsevier Ltd	15266125		Scopus

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254	Article	Mondal A.; Phukan H.J.; Pal D.; Kumar S.; Roy M.; Srimani D.	Well-Defined Mn(II)-complex Catalyzed Switchable De(hydrogenative) Csp3-H Functionalization of Methyl Heteroarenes: A Sustainable Approach for Diversification of Heterocyclic Motifs	2024	Chemistry - A European Journal	30	6				10.1002/chem.202303315	John Wiley and Sons Inc	9476539		Scopus
255	Article	Ganguly A.; Mitra D.; Balakrishnan N.; Kundu D.	A flexible model based on piecewise linear approximation for the analysis of left truncated right censored data with covariates, and applications to Worcester Heart Attack Study data and Channing House data	2024	Statistics in Medicine	43	2	233	255	22	10.1002/sim.9954	John Wiley and Sons Ltd	2776715		Scopus
256	Article	Sharma S.; Deka K.; Mishra A.	Reconfigurable Intelligent Surfaces Aided Terahertz Communication for 6G: Challenges and Potential Solutions	2024	Wireless Personal Communications	134	3	1827	1841	14	10.1007/s11277-024-10985-9	Springer	9296212		Scopus
257	Article	Nandy S.; Bora N.R.; Gaurav S.; Kumar S.	The p30 protein of the African swine fever virus behaves as an RNase	2024	Virology	590					10.1016/j.virol.2023.109967	Academic Press Inc.	426822	All Open Access; Bronze Open Access	Scopus
258	Article	Dubale M.; Vasić M.V.; Goel G.; Kalamdhad A.; Laishram B.	The recycling of demolition roof tile waste as a resource in the manufacturing of fired bricks: A scale-up to the industry	2024	Construction and Building Materials	412					10.1016/j.conbuildmat.2023.134727	Elsevier Ltd	9500618	All Open Access; Green Open Access	Scopus
259	Article	Pandey A.; Kalamdhad A.S.; Sharma Y.C.	Sustainable upcycling of sugarcane bagasse into nanofibrillated cellulose utilizing novel green solvents and high intensity ultrasonication	2024	Sustainable Chemistry and Pharmacy	37					10.1016/j.scp.2023.101373	Elsevier B.V.	23525541		Scopus
260	Article	Borah D.; Dasgupta A.; Stolarski D.	Dynamical inflation stimulated cogenesis	2024	Journal of High Energy Physics	2024	2				10.1007/JHEP02(2024)081	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
261	Article	Garg P.; Bikash Neog A.; Mayawad K.; Kumar Rajak A.; Deka P.; Kumar Gogoi R.; Raidongia K.	Biomimetic remote handling and sensing devices of multiwalled carbon nanotubes and vanadium pentoxide	2024	Chemical Engineering Journal	480					10.1016/j.cej.2023.148181	Elsevier B.V.	13858947		Scopus

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262	Note	Sugiyama M.; Wilson C.; Wiedenhofer D.; Boza-Kiss B.; Cao T.; Chatterjee J.S.; Chatterjee S.; Hara T.; Hayashi A.; Ju Y.; Krey V.; Godoy León M.F.; Martinez L.; Masanet E.; Mastrucci A.; Min J.; Niamir L.; Pelz S.; Roy J.; Saheb Y.; Schaeffer R.; Üрге-Vorsatz D.; van Ruijven B.; Shimoda Y.; Verdolini E.; Wiese F.; Yamaguchi Y.; Zell-Ziegler C.; Zimm C.	High with low: Harnessing the power of demand-side solutions for high wellbeing with low energy and material demand	2024	Joule	8	1	1	6	5	10.1016/j.joule.2023.12.014	Cell Press	25424351	All Open Access; Bronze Open Access; Green Open Access	Scopus
263	Article	Sendh J.; Baruah J.B.	Naphthalimide decorated copper(II), cobalt(II) dicarboxylates and tricking turn-ON emission	2024	Polyhedron	249					10.1016/j.poly.2023.116792	Elsevier Ltd	2775387		Scopus
264	Review	Ashraf M.; Mainuddin; Beg M.T.; Moin F.; Saikia A.; Dwivedi S.K.; Kumar G.	Comparison of U and coil-shaped fiber sensors for fluoride detection in water	2024	Optical and Quantum Electronics	56	2				10.1007/s11082-023-05966-4	Springer	3068919		Scopus
265	Article	Pandit S.K.; Das S.; Das G.	Self-assembled emissive probe for efficient sensing of Fe(iii) and cysteine in a physiological medium: application in real water and food samples	2024	Sensors and Diagnostics	3	3	440	447	7	10.1039/d3sd00306j	Royal Society of Chemistry	26350998		Scopus
266	Article	Devi Y.G.; Adhikari S.; Pulikkal A.K.; Rajaraman P.V.	Impacts of pyridinium gemini surfactants on corrosion inhibition of carbon steel	2024	Surfaces and Interfaces	45					10.1016/j.surfin.2023.103796	Elsevier B.V.	24680230		Scopus
267	Article	Haque M.R.; Kpatcha E.; Maity D.; Mambrini Y.	Primordial black hole versus inflaton	2024	Physical Review D	109	2				10.1103/PhysRevD.109.023521	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
268	Article	Ghosh S.; Rana A.; Patel A.; Manna D.; Biswas S.	Superhydrophobic nanosized metal-organic framework composites for the targeted removal of hydrophobic pharmaceuticals with outstanding bacterial anti-adhesion properties	2024	Environmental Science: Nano	11	3	1233	1244	11	10.1039/d3en00747b	Royal Society of Chemistry	20518153		Scopus
269	Article	Khanra B.; Mandal M.; Ghosh B.D.	On the power graph of a monogenic semigroup	2024	Discrete Mathematics, Algorithms and Applications	16	2				10.1142/S1793830923500052	World Scientific	17938309		Scopus
270	Article	Kumar V.; Kumari P.	Two-dimensional analytical solutions for multi-segmented piezoelectric panels: An EKM approach	2024	Composite Structures	329					10.1016/j.compstruct.2023.117461	Elsevier Ltd	2638223		Scopus
271	Article	Sasmal P.; Sharma V.; Prakash A.J.; Bhuyan M.K.; Patro K.K.; Samee N.A.; Alamro H.; Iwahori Y.; Tadeusiewicz R.; Acharya U.R.; Pławiak P.	Semi-supervised generative adversarial networks for improved colorectal polyp classification using histopathological images	2024	Information Sciences	658					10.1016/j.ins.2023.120033	Elsevier Inc.	200255		Scopus

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272	Article	Ashour S.; Du L.; Zhang X.; Sakurai S.; Xu H.	Unlocking the print of poly(L-lactic acid) by melt electrowriting for medical application	2024	European Polymer Journal	204					10.1016/j.eurpolymj.2023.112675	Elsevier Ltd	143057		Scopus
273	Article	Sharma V.K.; Singh A.; Tiwari P.; Gupta R.	Numerical Simulation of Pore-Scale Fluid Mobilization during Immiscible Displacement	2024	Energy and Fuels	38	2	932	947	15	10.1021/acs.energyfuels.3c03188	American Chemical Society	8870624		Scopus
274	Article	Jawed A.; Golder A.K.; Pandey L.M.	Bio-based iron oxide nanoparticles forming bi-functional chitosan composite adsorbent for Cr(VI) decontamination	2024	Chemical Engineering Journal	481					10.1016/j.cej.2023.148411	Elsevier B.V.	13858947		Scopus
275	Article	Pal D.; Mondal A.; Sarmah R.; Srimani D.	Designing Cobalt(II) Complexes for Tandem Dehydrogenative Synthesis of Quinoline and Quinazoline Derivatives	2024	Organic Letters	26	2	514	518	4	10.1021/acs.orglett.3c03944	American Chemical Society	15237060		Scopus
276	Article	Mondal S.; Ganguly S.; Basu S.	Topology and applications of 2D Dirac and semi-Dirac materials	2024	Physical Sciences Reviews	9	2	497	527	30	10.1515/psr-2022-0118	Walter de Gruyter GmbH	2365659X		Scopus
277	Article	Dokala R.K.; Das S.; Jangam G.; Mishra P.K.; Thota S.	Irreversible metamagnetic transitions in Yb3+ distorted tetragonal Pr0.45Sr0.55MnO3	2024	Journal of Physics D: Applied Physics	57	4				10.1088/1361-6463/ad030d	Institute of Physics	223727		Scopus
278	Article	Patel H.K.; Arora S.; Chavan R.; Kumar B.	Migrating scour depth around a spur dike with downward seepage using multiscale characterizations	2024	Experimental Thermal and Fluid Science	151					10.1016/j.expthermflusci.2023.111071	Elsevier Inc.	8941777		Scopus
279	Article	Kayiranga A.; Chen X.; Ingabire D.; Liu T.; Li Y.; Nzabarinda V.; Ochege F.U.; Hirwa H.; Duulatov E.; Nthangeni W.	Anthropogenic activities and the influence of desertification processes on the water cycle and water use in the Aral Sea basin	2024	Journal of Hydrology: Regional Studies	51					10.1016/j.ejrh.2023.101598	Elsevier B.V.	22145818		Scopus
280	Article	Dhamane S.; Mushahary S.K.; Singh K.D.	Experimental study on S700 T-stub in heating and cooling during fire	2024	Thin-Walled Structures	195					10.1016/j.tws.2023.111342	Elsevier Ltd	2638231		Scopus
281	Article	Kumar M.; Kumar C.; Kumar A.; Gogoi D.; Das M.	Experimental and theoretical analyses of material removal in poppet valve magnetorheological finishing	2024	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	238	1	158	170	12	10.1177/09544089221139102	SAGE Publications Ltd	9544089		Scopus
282	Article	Kumar S.; Kumar D.; Singh S.R.	Gated Recursive and Sequential Deep Hierarchical Encoding for Detecting Incongruent News Articles	2024	IEEE Transactions on Computational Social Systems	11	1	1023	1034	11	10.1109/TCSS.2023.3247445	Institute of Electrical and Electronics Engineers Inc.	2329924X		Scopus
283	Article	Jena A.; Mahanty B.; Deka D.; Sahoo P.K.; Pradhan S.; Rout P.R.; Mishra S.; Sahoo N.K.	Green synthesis of a potential magnetic and mesoporous EG-nZVI/CA-MCM41 nanocomposite for reductive sorption of europium	2024	Environmental Science: Nano	11	3	855	869	14	10.1039/d3en00785e	Royal Society of Chemistry	20518153		Scopus
284	Article	Kumar P.; Dwivedy S.K.; Banerjee S.	Fabrication and experimental characterizations of smart material filaments (SMFs) for possible future 4D-printing applications	2024	Progress in Additive Manufacturing	9	1	107	122	15	10.1007/s40964-023-00467-y	Springer Science and Business Media Deutschland GmbH	23639512		Scopus

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285	Article	Roy K.; Moholkar V.S.	Carbamazepine degradation using ternary hybrid advanced oxidation process of hydrodynamic cavitation + photocatalysis (UV/ZnO/ZnFe2O4) + persulfate: Kinetic investigations	2024	Journal of Water Process Engineering	58					10.1016/j.jwpe.2024.104874	Elsevier Ltd	22147144		Scopus
286	Article	Kumar G.; Kalita K.; Tammi K.; Kumar P.; Pippuri-Mäkeläinen J.; Banerjee A.	Analysis of Pulsating Magnetic Fields in a Parallel Stator Winding Eccentric Rotor Induction Motor	2024	IEEE Transactions on Magnetics	60	2	1	16	15	10.1109/TMAG.2021.3138192	Institute of Electrical and Electronics Engineers Inc.	189464		Scopus
287	Article	Sarkar D.; Manna M.; Adhikary A.; Reja S.; Ghosh S.; Saha T.; Bhandari S.; Kumar Das R.	Nanometal surface energy transfer (NSET) from biologically active heterocyclic ligands to silver nanoparticles induces enhanced antimicrobial activity against gram-positive bacteria	2024	Colloids and Surfaces B: Biointerfaces	234					10.1016/j.colsurfb.2023.113733	Elsevier B.V.	9277765		Scopus
288	Article	Vanarse V.B.; Thakur S.; Ghosh A.; Parmar P.R.; Bandyopadhyay D.	Coupled instability modes at a solvent/non-solvent interface to decorate cellulose acetate flowers	2024	Physics of Fluids	36	2				10.1063/5.0188222	American Institute of Physics Inc.	10706631	All Open Access; Bronze Open Access	Scopus
289	Article	Nath J.K.; Borah R.	Synthesis, Supramolecular Insight, Hirshfeld Surface Analyses and Magnetic Properties of Two Lanthanide Complexes of 1,8-naphthalene Dicarboxylate	2024	Journal of Structural Chemistry	65	2	217	229	12	10.1134/S002247662402001X	Pleiades Publishing	224766		Scopus
290	Article	Baruah K.; Singh A.K.; Kumari K.; Nongbri D.L.; Jha A.N.; Singha Roy A.	Interactions of Turmeric- and Curcumin-Functionalized Gold Nanoparticles with Human Serum Albumin: Exploration of Protein Corona Formation, Binding, Thermodynamics, and Antifibrillation Studies	2024	Langmuir	40	2	1381	1398	17	10.1021/acs.langmuir.3c03032	American Chemical Society	7437463		Scopus
291	Article	Sahu A.; Aswathi K.S.; Rajak A.K.; Naik R.; Qureshi M.	Competing double-exchange/super-exchange ordering for enhanced water oxidation kinetics	2024	Chemical Communications	60	16	2236	2239	3	10.1039/d3cc04484j	Royal Society of Chemistry	13597345		Scopus
292	Article	Chauhan A.; Sherpa N.; Boruah B.R.	Prediction of effective size of a propagated laser beam with a known phase profile and its experimental validation	2024	Optik	296					10.1016/j.ijleo.2023.171571	Elsevier GmbH	304026		Scopus
293	Article	Prakash R.; Majumder S.K.; Lee J.; Nedeltchev S.	Quality of Mixedness Using Information Entropy in a Counter-Current Three-Phase Bubble Column	2024	Processes	12	2				10.3390/pr12020281	Multidisciplinary Digital Publishing Institute (MDPI)	22279717	All Open Access; Gold Open Access	Scopus
294	Article	Barman K.K.; Bora S.N.	A mathematical study of water wave interaction with a thin perforated barrier in a two-layer fluid over a permeable bottom	2024	Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment	238	1	68	89	21	10.1177/14750902231161120	SAGE Publications Ltd	14750902		Scopus

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295	Article	Gupta P.K.; Kalita S.; Sarma A.K.	Quantum-interference-induced magnon blockade and antibunching in a hybrid quantum system	2024	Journal of the Optical Society of America B: Optical Physics	41	2	447	455	8	10.1364/JOSAB.507012	Optica Publishing Group (formerly OSA)	7403224	All Open Access; Green Open Access	Scopus
296	Article	Bhuyan T.; Gogoi S.; Ghoshal T.; Parmar P.R.; Mishra K.; Mohanta Y.K.; Nayak P.S.; Sharifi-Rad M.	Mitigation of Cr (VI) phytotoxicity in mung bean seedlings through the supplementation of phyto-fabricated zinc oxide nanoparticles using Paederia foetida	2024	Biocatalysis and Agricultural Biotechnology	56					10.1016/j.bcab.2024.103055	Elsevier Ltd	18788181		Scopus
297	Review	Baruah J.B.	Isomorphous series of inorganic complexes and composite materials	2024	Inorganica Chimica Acta	560					10.1016/j.ica.2023.121838	Elsevier B.V.	201693		Scopus
298	Review	Pramanik S.; Bala A.; Pradhan A.	Zebrafish in understanding molecular pathophysiology, disease modeling, and developing effective treatments for Rett syndrome	2024	Journal of Gene Medicine	26	2				10.1002/jgm.3677	John Wiley and Sons Inc	1099498X		Scopus
299	Article	Saikia S.; Pakshirajan K.; Lens P.N.L.	Role of extracellular polymeric substances in selenite and tellurite reduction by waste activated and anaerobic sludge	2024	Environmental Science: Advances	3	3	436	447	11	10.1039/d3va00298e	Royal Society of Chemistry	27547000	All Open Access; Gold Open Access	Scopus
300	Article	Kumar Singh Khaidem D.; Shimray S.A.; Ningthoujam A.; Begum S.; Chipem F.A.S.; Krishnamoorthy G.	Role of explicit hydrogen bonding in solvation calculation on the photophysics of 2-(2'-Hydroxyphenyl)oxazolo[4,5-b]pyridine	2024	Journal of Molecular Liquids	394					10.1016/j.molliq.2023.123765	Elsevier B.V.	1677322		Scopus
301	Article	Gangwar S.; Ravisankar R.; Mistakidis S.I.; Muruganandam P.; Mishra P.K.	Spectrum and quench-induced dynamics of spin-orbit-coupled quantum droplets	2024	Physical Review A	109	1				10.1103/PhysRevA.109.013321	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
302	Article	Bhattarai S.; Hossain M.K.; Pandey R.; Madan J.; Samajdar D.P.; Chowdhury M.; Rahman M.F.; Ansari M.Z.; Albaqami M.D.	Enhancement of efficiency in CsSnI3 based perovskite solar cell by numerical modeling of graphene oxide as HTL and ZnMgO as ETL	2024	Heliyon	10	1				10.1016/j.heliyon.2024.e24107	Elsevier Ltd	24058440	All Open Access; Gold Open Access; Green Open Access	Scopus
303	Article	Barik S.K.; Ganesh Narayanan R.; Sahoo N.	On the Electromechanical Instability of Polar Elastomers	2024	Journal of Engineering Materials and Technology	146	1				10.1115/1.4063060	American Society of Mechanical Engineers (ASME)	944289		Scopus
304	Article	Chaudhari H.; Kulkarni R.; Sundaravadivelu P.K.; Thummer R.P.; Bhuyan M.K.	Dimensionality reduction technique based phase aberration compensation and spurious fringe removal in off-axis digital holographic microscopy	2024	Optics and Lasers in Engineering	172					10.1016/j.optlaseng.2023.107853	Elsevier Ltd	1438166		Scopus

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305	Article	Majumder S.; Kushwaha A.; Das S.; Nandi A.	First detection of X-ray polarization in thermal state of LMC X-3: spectro-polarimetric study with IXPE	2024	Monthly Notices of the Royal Astronomical Society: Letters	527	1	L76	L81	5	10.1093/mnrasl/slad148	Oxford University Press	17453933	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
306	Article	Dutta A.; Kundu D.; Sharma S.; Paul N.; Naik P.K.; Silvester D.S.; Banerjee T.	Physically Cross-Linked Titania-Supported Novel Eutectogels as Solid-State Electrolytes: An Experimental and Quantum Chemical Investigation	2024	ACS Sustainable Chemistry and Engineering	12	1	248	262	14	10.1021/acssuschemeng.3c05551	American Chemical Society	21680485		Scopus
307	Review	Bhardwaj N.; Dey S.; Bhar B.; Mandal B.B.	Bioprinted in vitro tissue models: an emerging platform for developing therapeutic interventions and disease modelling	2024	Progress in Biomedical Engineering	6	1				10.1088/2516-1091/ad10b4	Institute of Physics	25161091		Scopus
308	Article	Purohit S.; Girisa S.; Ochiai Y.; Kunnumakkara A.B.; Sahoo L.; Yanase E.; Goud V.V.	Scirpusin B isolated from Passiflora edulis Var. flavicarpa attenuates carbohydrate digestive enzymes, pathogenic bacteria and oral squamous cell carcinoma	2024	3 Biotech	14	1				10.1007/s13205-023-03876-6	Springer Science and Business Media Deutschland GmbH	2190572X	All Open Access; Green Open Access	Scopus
309	Article	Halder S.; Moktan S.; Sreeram V.; Kancharla P.K.	Synthesis of chiral functional polyhydroxylated arenes via Mukaiyama aldol reaction from Perlin aldehydes	2024	Carbohydrate Research	535					10.1016/j.carres.2023.109004	Elsevier Ltd	86215		Scopus
310	Article	Priyadarsini A.; Khaire K.C.; Barbora L.; Maitra S.S.; Moholkar V.S.	Methane fermentation to methanol (biological gas-to-liquid process) using Methylothermobacter buryatense 5GB1C	2024	Journal of Advanced Manufacturing and Processing	6	1				10.1002/amp2.10172	John Wiley and Sons Inc	2637403X		Scopus
311	Article	Patra S.; Majhi B.R.; Das S.	Accretion flow in deformed Kerr spacetime: spectral energy distributions from free-free emission	2024	Journal of Cosmology and Astroparticle Physics	2024	1				10.1088/1475-7516/2024/01/060	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
312	Article	Chouhan A.; Sur A.; Chutia D.; Aggarwal S.P.	HybridNet: Integrating Multiple Approaches for Aerial Semantic Segmentation	2024	SN Computer Science	5	1				10.1007/s42979-023-02434-4	Springer	2662995X		Scopus
313	Article	Reetu R.; Gujarappa R.; Teli Y.A.; Patel M.J.; Kalita S.; Dash S.; Ghanta S.; Keremane K.S.; Singh V.; El-marghany A.; Malakar C.C.	Transformation of Unactivated Alkenes into Iodohydrins and β -Iodoethers using Iodine-DMSO as a Reagent Combination	2024	ChemistrySelect	9	1				10.1002/slct.202304426	John Wiley and Sons Inc	23656549		Scopus
314	Article	Allampalli S.S.P.; Sekhar S.; Sivaprakasam S.	Enhanced production of human interferon α 2b in glycoengineered Pichia pastoris by robust control of methanol feeding and implications of various control strategies	2024	Biochemical Engineering Journal	201					10.1016/j.bej.2023.109152	Elsevier B.V.	1369703X		Scopus
315	Article	Pathak P.; Kumar A.; Kadolkar C.	Center of mass of 2D and 3D objects and the golden ratio	2024	Physics Education	59	1				10.1088/1361-6552/ad1655	Institute of Physics	319120		Scopus

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316	Article	Singh T.; Uppaluri R.V.S.	Feed-forward ANN and traditional machine learning-based prediction of biogas generation rate from meteorological and organic waste parameters	2024	Journal of Supercomputing	80	2	2538	2571	33	10.1007/s11227-023-05569-6	Springer	9208542		Scopus
317	Article	Nijhawan R.; Sinha G.; Batra A.; Kumar M.; Sharma H.	VTnet+Handcrafted based approach for food cuisines classification	2024	Multimedia Tools and Applications	83	4	10695	10715	20	10.1007/s11042-023-15800-4	Springer	13807501	All Open Access; Hybrid Gold Open Access	Scopus
318	Article	Chakravarty S.; Patel H.K.; Mohanty B.; Kumar B.	Review on different shapes of spurs and their effects on channel morphology	2024	Water Practice and Technology	19	1	241	262	21	10.2166/wpt.2023.221	IWA Publishing	1751231X	All Open Access; Gold Open Access	Scopus
319	Article	Chakraborty S.; Mehta P.; Sarmah P.	A relook at the GZK neutrino-photon connection: impact of extra-galactic radio background & UHECR properties	2024	Journal of Cosmology and Astroparticle Physics	2024	1				10.1088/1475-7516/2024/01/058	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
320	Article	Kayastha N.; Dutta D.; Chutia K.; Das B.; Gogoi P.	Synthesis and Photophysical Properties of 3-Substituted-1H-Indazoles: A Pd-Catalyzed Double C-N Bond Formation Strategy via 1,6-Conjugate Addition	2024	Journal of Organic Chemistry	89	1	402	413	11	10.1021/acs.joc.3c02176	American Chemical Society	223263		Scopus
321	Article	Wang C.-T.; Lu J.-S.; Ghosh N.	New biometric flow slab designed in proton exchange membrane fuel cell	2024	International Journal of Hydrogen Energy	50		831	843	12	10.1016/j.ijhydene.2023.09.067	Elsevier Ltd	3603199		Scopus
322	Article	Ahmed M.M.; Basak M.; Paul A.; Singha D.; Sinha S.; Bandyopadhyay D.	Plasmonic Nanobiosensor for Detection of in Aqueous Samples	2024	IEEE Sensors Letters	8	1	1	4	3	10.1109/LENS.2023.3337938	Institute of Electrical and Electronics Engineers Inc.	24751472		Scopus
323	Article	De A.K.; Sarkar S.	Evolution of wake structure with aspect ratio behind a thin pitching panel	2024	Journal of Fluids and Structures	124					10.1016/j.jfluidstructs.2023.104025	Academic Press	8899746		Scopus
324	Article	Ray I.; Nandi S.	Test of new physics effects in $B^- \rightarrow (D(*)\pi) \ell-\nu^-$ & decays with heavy and light leptons	2024	Journal of High Energy Physics	2024	1				10.1007/JHEP01(2024)022	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
325	Article	Adhikari P.; Hazarika N.; Bhattacharyya K.; Das A.	Chromium-Catalyzed Cross-Coupling of Methyl Ketones with Cyclic Ketones toward the Selective Synthesis of β -Branched β,γ -Unsaturated Ketones	2024	Organic Letters	26	1	286	291	5	10.1021/acs.orglett.3c03960	American Chemical Society	15237060		Scopus

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326	Article	Pradhan N.; Kumar P.; Kanamoto R.; Dey T.N.; Bhattacharya M.; Mishra P.K.	Cavity optomechanical detection of persistent currents and solitons in a bosonic ring condensate	2024	Physical Review Research	6	1				10.1103/PhysRevResearch.6.013104	American Physical Society	26431564	All Open Access; Gold Open Access; Green Open Access	Scopus
327	Article	Jana S.; Muthukumar P.	Experimental studies on a closed cycle compressor operated metal hydride based cooling system with large hydrogen inventory	2024	International Journal of Hydrogen Energy	50		210	223	13	10.1016/j.ijhydene.2023.07.007	Elsevier Ltd	3603199		Scopus
328	Article	Farooq R.; Tripathi N.	Moderating role of power distance in the relationship between leader-leader exchange (LLX) and knowledge sharing: is feedback-seeking behavior a missing link?	2024	VINE Journal of Information and Knowledge Management Systems	54	1	129	156	27	10.1108/VJIKMS-08-2021-0154	Emerald Publishing	20595891		Scopus
329	Article	Choudhury A.; Gupta R.K.; Garai R.; Iyer P.K.	Solution Processed Circuit Design for Flexible Opto Electronic Logic Gates	2024	IEEE Electron Device Letters	45	1	56	59	3	10.1109/LED.2023.3335260	Institute of Electrical and Electronics Engineers Inc.	7413106		Scopus
330	Article	Tarique A.H.; Khan S.A.; Khalid F.; Bin Azami M.H.	Development and assessment of a thermochemical cycle and SOFC-based hydrogen energy system as a potential energy solution for the peak demand in a sustainable community	2024	International Journal of Hydrogen Energy	51		1382	1389	7	10.1016/j.ijhydene.2023.05.256	Elsevier Ltd	3603199	All Open Access; Green Open Access	Scopus
331	Article	Narayan J.; Abbas M.; Dwivedy S.K.	Design and validation of a pediatric gait assistance exoskeleton system with fast non-singular terminal sliding mode controller	2024	Medical Engineering and Physics	123					10.1016/j.medengphy.2023.104080	Elsevier Ltd	13504533		Scopus
332	Article	Fang J.; Li P.; Zhang L.; Li X.; Zhang J.; Qin C.; Debnath T.; Huang W.; Chen R.	Stimulating Phonon Bottleneck Effect in Organic Semiconductors by Charge-Transfer-Mediated J-Aggregation	2024	Journal of the American Chemical Society	146	1	961	969	8	10.1021/jacs.3c11262	American Chemical Society	27863		Scopus
333	Article	Arora S.; Patel H.K.; Srinivasulu G.; Kumar B.	Turbulent Characteristics at Interface of Partly Vegetated Alluvial Channel	2024	International Journal of Civil Engineering	22	1	75	85	10	10.1007/s40999-023-00890-w	Springer Science and Business Media Deutschland GmbH	17350522		Scopus
334	Article	Maturi K.C.; Kalamdhad A.S.	Bioconversion of Lantana camara into an agricultural bioproduct through rotary drum composter	2024	Biomass Conversion and Biorefinery	14	1	1389	1404	15	10.1007/s13399-023-05137-1	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
335	Article	Mandal R.; Nandi S.; Ray I.	Constraining inverse moment of B-meson distribution amplitude using Lattice QCD data	2024	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	848					10.1016/j.physletb.2023.138345	Elsevier B.V.	3702693	All Open Access; Gold Open Access; Green Open Access	Scopus

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336	Article	Rana P.; Bandopadhyay S.	SOME SYMMETRIC SIGN PATTERNS REQUIRING UNIQUE INERTIA	2024	Electronic Journal of Linear Algebra	40		396	417	21	10.13001/ela.2024.8279	International Linear Algebra Society	15379582	All Open Access; Gold Open Access	Scopus
337	Review	Sailo B.L.; Liu L.; Chauhan S.; Girisa S.; Hegde M.; Liang L.; Alqahtani M.S.; Abbas M.; Sethi G.; Kunnumakkara A.B.	Harnessing Sulforaphane Potential as a Chemosensitizing Agent: A Comprehensive Review	2024	Cancers	16	2				10.3390/cancers16020244	Multidisciplinary Digital Publishing Institute (MDPI)	20726694	All Open Access; Gold Open Access; Green Open Access	Scopus
338	Article	Sharma A.; Choudhary R.; Kumar A.	Laboratory Investigation of Draindown Behavior of Open-Graded Friction-Course Mixtures Containing Banana and Sugarcane Bagasse Natural Fibers	2024	Transportation Research Record	2678	1	366	380	14	10.1177/03611981231170875	SAGE Publications Ltd	3611981		Scopus
339	Article	Bodana V.; Swer T.L.; Kumar N.; Singh A.; Samtiya M.; Sari T.P.; Babar O.A.	Development and characterization of pomegranate peel extract-functionalized jackfruit seed starch-based edible films and coatings for prolonging the shelf life of white grapes	2024	International Journal of Biological Macromolecules	254					10.1016/j.ijbiomac.2023.127234	Elsevier B.V.	1418130		Scopus
340	Editorial	Laishram B.; Devkar G.; Ke Y.; Aziz A.A.	Guest editorial: Public private partnerships: past, present and future	2024	Built Environment Project and Asset Management	14	1	1	3	2	10.1108/BEPAM-02-2024-207	Emerald Publishing	2044124X	All Open Access; Bronze Open Access	Scopus
341	Article	Kar P.; Kumar S.; Samalla S.; Chunchu M.; Ravi Shankar K.V.R.	Exploratory analysis of evasion actions of powered two-wheeler conflicts at unsignalized intersection	2024	Accident Analysis and Prevention	194					10.1016/j.aap.2023.107363	Elsevier Ltd	14575		Scopus
342	Article	Gupta A.; Panda S.; Reddy R.S.	Damping Capabilities of Viscoelastic Composites for Active/Passive Constrained Layer Damping of the Plate Vibration: A Comparative Study	2024	Journal of Vibration Engineering and Technologies	12	1	891	908	17	10.1007/s42417-023-00882-z	Springer	25233920		Scopus
343	Article	Hasan M.R.; Sharma P.; Singh S.; Kumar S.; Shivani; Rani K.; Narang J.	Different electrode system based electrochemical aptasensor for the detection of dengue virus antigen in human serum: A comparative study	2024	Sensors International	5					10.1016/j.sintl.2024.100285	KeAi Communications Co.	26663511		Scopus
344	Article	Ghosh D.; De S.; Deka D.; Das G.	Amphiphilic polyphenol incorporated hydrogel derived from mucoadhesive of Dillenia indica: Potential antioxidant and adsorbent	2024	International Journal of Biological Macromolecules	254					10.1016/j.ijbiomac.2023.127759	Elsevier B.V.	1418130		Scopus
345	Article	Chowdhury A.; Rao Peela N.; Kumar Golder A.	Synthesis of spinel type 2D Co3O4 nanodiscs using gallic acid for electrochemical NH3 formation by N2 reduction	2024	Materials Science and Engineering: B	299					10.1016/j.mseb.2023.116912	Elsevier Ltd	9215107		Scopus

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346	Article	Mondal K.; Bhattacharjee S.K.; Goud V.V.; Katiyar V.	Effect of waste Dunaliella tertiolecta biomass ethanolic extract and turmeric essential oil on properties of guar gum-based active films	2024	Food Hydrocolloids	146					10.1016/j.foodhyd.2023.109199	Elsevier B.V.	0268005X		Scopus
347	Article	Rawat A.; Garg C.P.; Sinha P.	Analysis of the key hydrogen fuel vehicles adoption barriers to reduce carbon emissions under net zero target in emerging market	2024	Energy Policy	184					10.1016/j.enpol.2023.113847	Elsevier Ltd	3014215	All Open Access; Bronze Open Access	Scopus
348	Article	Bhowmik B.K.; Bhowmik T.; Pandey P.K.; Raju M.S.; Sikdar D.; Kumar G.	All-dielectric asymmetric planar metasurface based dual-parametric sensor	2024	Optics Communications	550					10.1016/j.optcom.2023.129880	Elsevier B.V.	304018		Scopus
349	Article	Mukherjee G.; Velmurugan G.; Kerscher M.; Kumar Satpathy J.; Sastri C.V.; Comba P.	Mechanistic Insights into Amphoteric Reactivity of an Iron-Bispidine Complex	2024	Chemistry - A European Journal	30	3				10.1002/chem.202303127	John Wiley and Sons Inc	9476539	All Open Access; Hybrid Gold Open Access	Scopus
350	Article	Warsi S.B.F.; Srinivas D.; Panda B.; Biswas P.	Investigating the impact of coarse aggregate dosage on the mechanical performance of 3D printable concrete	2024	Innovative Infrastructure Solutions	9	1				10.1007/s41062-023-01317-0	Springer Science and Business Media Deutschland GmbH	23644176		Scopus
351	Article	Yohannan A.; Vincent S.; Divakaran N.; Pottikadavath Venugopal A.K.; Patra S.; Ashish K.; Mohanty S.	Experimental and simulation studies of hybrid MWCNT/montmorillonite reinforced FDM based PLA filaments with multifunctional properties enhancement	2024	Polymer Composites	45	1	507	522	15	10.1002/pc.27794	John Wiley and Sons Inc	2728397		Scopus
352	Article	Shah K.; Bhanvadia V.J.; Patel M.J.; Iyer P.K.; Zade S.S.; Patel A.L.	Extended isoindigos as building blocks for developing D-A-type conjugated polymers	2024	New Journal of Chemistry	48	7	2992	3003	11	10.1039/d3nj05644a	Royal Society of Chemistry	11440546		Scopus
353	Article	Bhunia B.K.; Bandyopadhyay A.; Dey S.; Mandal B.B.	Silk-hydrogel functionalized with human decellularized Wharton's jelly extracellular matrix as a minimally invasive injectable hydrogel system for potential nucleus pulposus tissue replacement therapy	2024	International Journal of Biological Macromolecules	254					10.1016/j.ijbiomac.2023.127686	Elsevier B.V.	1418130		Scopus
354	Article	Kemprai P.P.; Murthy K.V.R.; Ranganayakulu C.; Muthukumar P.	Experimental investigation on condensation heat transfer coefficient and frictional pressure drop of low GWP refrigerant R1234yf on a wavy fin surface	2024	Thermal Science and Engineering Progress	47					10.1016/j.tsep.2023.102300	Elsevier Ltd	24519049		Scopus
355	Review	Thakkar P.; Gosai J.; Gogoi H.J.; Solanki A.	From fundamentals to frontiers: a review of memristor mechanisms, modeling and emerging applications	2024	Journal of Materials Chemistry C	12	5	1583	1608	25	10.1039/d3tc03692h	Royal Society of Chemistry	20507526		Scopus
356	Article	Goswami M.; Mondal K.; Prasannavenkadesan V.; Bodana V.; Katiyar V.	Effect of guar gum-chitosan composites edible coating functionalized with essential oils on the postharvest shelf life of Khasi mandarin at ambient condition	2024	International Journal of Biological Macromolecules	254					10.1016/j.ijbiomac.2023.127489	Elsevier B.V.	1418130		Scopus

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357	Article	Narjinari H.; Dhole S.; Kumar A.	Acceptorless or Transfer Dehydrogenation of Glycerol Catalyzed by Base Metal Salt Cobaltous Chloride – Facile Access to Lactic Acid and Hydrogen or Isopropanol	2024	Chemistry - A European Journal	30	1				10.1002/chem.202302686	John Wiley and Sons Inc	9476539		Scopus
358	Article	Jain R.K.; Sharma P.K.; Gaj S.; Sur A.; Ghosh P.	Knee osteoarthritis severity prediction using an attentive multi-scale deep convolutional neural network	2024	Multimedia Tools and Applications	83	3	6925	6942	17	10.1007/s11042-023-15484-w	Springer	13807501		Scopus
359	Article	Kumari S.; Dhara A.; Kumar M.	Leptospira ClpP mutant variants in association with the ClpX, acyldepsipeptide, and the trigger factor displays unprecedented gain-of-function	2024	International Journal of Biological Macromolecules	254					10.1016/j.ijbiomac.2023.127753	Elsevier B.V.	1418130		Scopus
360	Article	Yashavanth P.R.; Maiti S.K.	A multi-objective optimization approach for the production of polyhydroxybutyrate via Chlorogloea fritschii under diurnal light with single-stage cultivation	2024	International Journal of Biological Macromolecules	255					10.1016/j.ijbiomac.2023.128067	Elsevier B.V.	1418130		Scopus
361	Review	Shome S.; Kodieswaran M.; Dadheech R.; Chevella M.; Sensharma S.; Awasthi S.; Bandyopadhyay A.; Mandal B.B.	Recent advances in platelet-rich plasma and its derivatives: therapeutic agents for tissue engineering and regenerative medicine	2024	Progress in Biomedical Engineering	6	1				10.1088/2516-1091/ad1338	Institute of Physics	25161091		Scopus
362	Article	Paul T.; Aggarwal A.; Behera S.K.; Meher S.K.; Gupta S.; Baskaran D.; Rene E.R.; Pakshirajan K.; Pugazhenth G.	Neuro-fuzzy modelling of a continuous stirred tank bioreactor with ceramic membrane technology for treating petroleum refinery effluent: a case study from Assam, India	2024	Bioprocess and Biosystems Engineering	47	1	91	103	12	10.1007/s00449-023-02948-4	Springer Science and Business Media Deutschland GmbH	16157591		Scopus
363	Article	Chakraborty N.; Das B.; Barik D.; Rajbongshi K.K.; Patel B.K.	Base-Promoted Synthesis of S-Arylisothiazolones via Intramolecular Dehydrative Cyclization of α -Keto-N-acylsulfoximines	2024	Journal of Organic Chemistry	89	1	778	783	5	10.1021/acs.joc.3c02269	American Chemical Society	223263		Scopus
364	Article	Sarmah M.; Dutta A.; Deb S.K.	Calibration of finite element model of bridge with pier retrofitted using Fe-SMA strips	2024	Bulletin of Earthquake Engineering	22	2	667	691	24	10.1007/s10518-023-01797-6	Springer Science and Business Media B.V.	1570761X		Scopus
365	Article	Mohan S.; Khijwania S.K.	Graphene oxide based optical fiber humidity sensor having a linear response throughout a large dynamic range and optimum sensitivity	2024	Applied Optics	63	1	179	185	6	10.1364/AO.507936	Optica Publishing Group (formerly OSA)	1559128X		Scopus
366	Article	Kumar R.; Rohith K.M.; Pandey S.; Srivastava S.K.; Kumar G.	Terahertz tunable band-stop filter using topological valley photonic crystals	2024	Applied Optics	63	1	104	111	7	10.1364/AO.504776	Optica Publishing Group (formerly OSA)	1559128X		Scopus
367	Article	Mondal B.; Das G.	Dual functional porous organic polymer: Reversible iodine capture and selective sensing of picric acid	2024	Reactive and Functional Polymers	194					10.1016/j.reactfunctpolym.2023.105800	Elsevier B.V.	13815148		Scopus

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368	Article	Das B.; Panda B.N.; Dixit U.S.	Effects of Heat Treatment on the Mechanical Properties of Fe-Based ER70S-6 Cladding on Aluminum Substrate Using Cold Metal Transfer Process	2024	Journal of Materials Engineering and Performance	33	1	173	193	20	10.1007/s11665-023-07975-6	Springer	10599495		Scopus
369	Review	Gupta R.; Kumar A.; Singhal M.	A Critical Review of Multiphase Modelling of Blood Flow in Human Cardiovascular System	2024	Journal of the Indian Institute of Science	104	1	39	63	24	10.1007/s41745-024-00430-y	Springer	9704140		Scopus
370	Article	Patel P.K.; Pandey L.M.; Uppaluri R.V.S.	Highly effective removal of multi-heavy metals from simulated industrial effluent through an adsorption process employing carboxymethyl-chitosan composites	2024	Environmental Research	240					10.1016/j.envres.2023.117502	Academic Press Inc.	139351		Scopus
371	Article	Sinharoy A.; Mahanty B.; Behera S.K.; Mehta M.; Mantri S.; Das R.; Saikia S.; Rene E.R.; Pakshirajan K.	Modelling selenite and chemical oxygen demand removal in an inverse fluidized bed bioreactor using genetic algorithm optimized artificial neural network	2024	Journal of Chemical Technology and Biotechnology	99	1	247	258	11	10.1002/jctb.7532	John Wiley and Sons Ltd	2682575		Scopus
372	Article	Saha K.; Deka J.; Kumar A.; Mondal M.; Bora B.R.; Bakli C.; Sood A.K.; Chakraborty S.; Raidongia K.	Carbonized Cotton Fibers for Ultrahigh Power-Density Electrokinetic Energy Harvesting	2024	ACS Applied Energy Materials	7	1	176	185	9	10.1021/acsaem.3c02409	American Chemical Society	25740962		Scopus
373	Article	Ghosh K.; Giri P.K.	Experimental and theoretical study on the role of 2D Ti3C2Tx MXenes on superior charge transport and ultra-broadband photodetection in MXene/Bi2S3 nanorod composite through local Schottky junctions	2024	Carbon	216					10.1016/j.carbon.2023.118515	Elsevier Ltd	86223	All Open Access; Bronze Open Access	Scopus
374	Article	Parida C.; Devi M.; Chandra Pan S.	Organocatalytic Synthesis of 2,3,4,9-Tetrahydro-1H-carbazole Embedded Styrene Atropisomers	2024	European Journal of Organic Chemistry	27	2				10.1002/ejoc.202300996	John Wiley and Sons Inc	1434193X		Scopus
375	Article	Parida A.; Sunku Prasad J.; Muthukumar P.; Dalal A.	A dynamic model for predicting the absorption and desorption behaviors of metal hydride systems and its implementation for screening of alloys for metal hydride hydrogen compressor	2024	International Journal of Hydrogen Energy	51		454	472	18	10.1016/j.ijhydene.2023.06.275	Elsevier Ltd	3603199		Scopus
376	Article	Shankar D.; Pandey M.; Basu D.N.	Nonlinear analysis of coupled neutronic-thermohydraulic stability characteristics of supercritical water-cooled reactor	2024	Annals of Nuclear Energy	195					10.1016/j.anucene.2023.110197	Elsevier Ltd	3064549		Scopus
377	Article	Mahmud H.; Roy J.	Energy sector sustainability for a fast-growing economy like Bangladesh: an empirical assessment	2024	Sustainability Science	19	1	51	73	22	10.1007/s11625-023-01385-2	Springer	18624065		Scopus
378	Article	Pillajetti P.; Gupta R.; Goswami S.; Pant H.J.; Sen N.; Singh K.K.; Shenoy K.T.; Upadhyay R.K.	Single-Phase Flow Studies Using Radioactive Particle Tracking in an Air-Pulsed Column Having a Novel Plate Internal	2024	Industrial and Engineering Chemistry Research	63	1	797	805	8	10.1021/acs.iecr.3c02694	American Chemical Society	8885885		Scopus

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379	Article	Gavande P.V.; Ji S.; Cardoso V.; M.G.A. Fontes C.; Goyal A.	Reassigning the role of a mesophilic xylan hydrolysing family GH43 β -xylosidase from Bacteroides ovatus, BoExXyl43A as exo- β -1,4-xylosidase	2024	Current Research in Biotechnology	7					10.1016/j.crbiot.2024.100191	Elsevier B.V.	25902628	All Open Access; Gold Open Access	Scopus
380	Article	Uniyal A.; Kalita S.; Chakrabarti S.	Effect of temperature on measurement of fundamental constants using white dwarfs in Gaia-EDR3 survey	2024	Monthly Notices of the Royal Astronomical Society	527	1	232	237	5	10.1093/mnras/stad3123	Oxford University Press	358711	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
381	Article	Srivastava M.; Bisht G.S.; Srinivasan A.	Single-domain Fe2CoGa0.5Al0.5 Heusler alloy nanoparticles with enhanced properties	2024	Physical Chemistry Chemical Physics	26	4	2863	2869	6	10.1039/d3cp05382b	Royal Society of Chemistry	14639076		Scopus
382	Article	Kulkarni S.S.; Sanghai N.P.; Baishya C.; Kumar A.; Nayak S.K.	Random forest regression for radiation pattern prediction of planar metasurface reflector antenna	2024	AEU - International Journal of Electronics and Communications	174					10.1016/j.aeue.2023.155018	Elsevier GmbH	14348411		Scopus
383	Article	Verma S.; Ravi S.	Investigation of magnetocaloric effect in Holmium substituted Dysprosium iron garnet for magnetic refrigeration applications	2024	Journal of Magnetism and Magnetic Materials	589					10.1016/j.jmmm.2023.171512	Elsevier B.V.	3048853		Scopus
384	Article	Ravula R.; Mandal T.K.	A photoresistor-based portable digital sensor for rapid colorimetric detection of Arsenic	2024	Microchemical Journal	196					10.1016/j.microc.2023.109574	Elsevier Inc.	0026265X		Scopus
385	Article	Chakraborty S.; Mohanty K.; Vinu R.	Co-pyrolysis of bamboo biomass with polypropylene coverall: Distributed activation energy modeling and pyrolysate composition studies	2024	Renewable Energy	220					10.1016/j.renene.2023.119533	Elsevier Ltd	9601481		Scopus
386	Article	Balmuchu S.P.; Sahu S.; Dobbidi P.	The effect of interfacial charge-induced multiferroic properties of Bi0.993La0.007FeO3/BaTiO3 bilayer thin films: Performance modulation and energy storage applications	2024	Surfaces and Interfaces	44					10.1016/j.surfin.2023.103653	Elsevier B.V.	24680230	All Open Access; Bronze Open Access	Scopus
387	Article	Gupt C.B.; Yamsani S.K.; Shaikh J.; Sekharan S.; Rakesh R.R.	Enhanced Criterion for Selecting Surface Soils for Multi-layered Cover System	2024	Geotechnical and Geological Engineering	42	1	807	815	8	10.1007/s10706-023-02572-9	Springer Science and Business Media Deutschland GmbH	9603182		Scopus
388	Review	Shah T.A.; Sarkar T.; Kar S.; Maharana P.K.; Talukdar K.; Punniyamurthy T.	Transition-Metal-Catalyzed Directed C–H Functionalization in/on Water	2024	Chemistry - An Asian Journal	19	1				10.1002/asia.202300815	John Wiley and Sons Ltd	18614728		Scopus
389	Article	Singh M.; Das S.	Properties of relativistic hot accretion flow around a rotating black hole with radially varying viscosity	2024	Astrophysics and Space Science	369	1				10.1007/s10509-023-04263-6	Springer Science and Business Media B.V.	0004640X	All Open Access; Green Open Access	Scopus

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390	Article	Khan A.A.; Hussain S.; Chandra R.	A Quantum-Inspired Predator–Prey Algorithm for Real-Parameter Optimization	2024	Algorithms	17	1				10.3390/a17010033	Multidisciplinary Digital Publishing Institute (MDPI)	19994893	All Open Access; Gold Open Access	Scopus
391	Article	Sikha S.; Mandal B.	Cerium-Based Nanoporous Metal-Organic Frameworks Incorporated with Different Metals for the Remediation of Fluoride Ions from Water	2024	ACS Applied Nano Materials	7	1	866	880	14	10.1021/acsanm.3c04921	American Chemical Society	25740970		Scopus
392	Article	Moral R.; Paul S.	Exploring Cyclic Peptide Nanotube Stability Across Diverse Lipid Bilayers and Unveiling Water Transport Dynamics	2024	Langmuir	40	1	882	895	13	10.1021/acs.langmuir.3c03030	American Chemical Society	7437463		Scopus
393	Article	Mukherjee C.; Suryawanshi P.G.; Kalita M.C.; Deka D.; Aranda D.A.G.; Goud V.V.	Polarity-wise successive solvent extraction of Scenedesmus obliquus biomass and characterization of the crude extracts for broad-spectrum antibacterial activity	2024	Biomass Conversion and Biorefinery	14	2	2467	2483	16	10.1007/s13399-022-02432-1	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
394	Article	Ali A.; Faraz S.; Khan A.T.	l-Proline-catalysed synthesis of 2-aryl-2H,5H-thiopyrano[2,3-b]thiochromen-5-ones from 4-hydroxydithiocoumarins and cinnamaldehyde derivatives	2024	Organic and Biomolecular Chemistry	22	7	1426	1433	7	10.1039/d3ob02051g	Royal Society of Chemistry	14770520		Scopus
395	Article	Panda S.K.; Maiti S.K.	Novel cyclic shifting of temperature strategy for simultaneous saccharification and fermentation for lignocellulosic bioethanol production	2024	Bioresource Technology	391					10.1016/j.biortech.2023.129975	Elsevier Ltd	9608524		Scopus
396	Article	Kumar D.; Dalal A.	A numerical study of the thermal and hydraulic parameters of a finned tube heat exchanger using shear-thinning fluid and rectangular winglet	2024	International Journal of Thermal Sciences	195					10.1016/j.ijthermalsci.2023.108653	Elsevier Masson s.r.l.	12900729		Scopus
397	Article	Bose D.; Prasannavenkadesan V.; Katiyar V.	Tailored material for bioresorbable internal fixation devices: a novel approach using nanohydroxyapatite and chitosan in polylactic acid	2024	Journal of Materials Science	59	1	215	227	12	10.1007/s10853-023-09110-1	Springer	222461		Scopus
398	Article	Biswas M.; Pyngrope D.; Kumar S.; Majumdar S.; Bag A.	RF magnetron sputtering of Ga2 O3 thin films: Analysis of oxygen flow rate impact on stoichiometry, structural, optical characteristics, and energy band alignments	2024	Materials Science in Semiconductor Processing	169					10.1016/j.mssp.2023.107937	Elsevier Ltd	13698001		Scopus
399	Article	Chetia M.; Sarkar T.; Yadav M.; Dey C.; Sundaravadivelu P.K.; Thummer R.P.; Chatterjee S.	Tuning of hydrophobic-hydrophilic balance for the development of a salt-tolerant and protease-resistant lipopeptide AMP	2024	New Journal of Chemistry	48	6	2764	2777	13	10.1039/d3nj04815b	Royal Society of Chemistry	11440546		Scopus

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400	Review	Ghosh S.; Rana A.; Biswas S.	Metal-Organic Framework-Based Fluorescent Sensors for the Detection of Pharmaceutically Active Compounds	2024	Chemistry of Materials	36	1	99	131	32	10.1021/acs.chemmater.3c02459	American Chemical Society	8974756		Scopus
401	Article	Debnath I.; Roy T.; Borah D.; Mahata K.	Stable peri-Naphthoisatogens without C2 Protection: Synthesis via Aldrone Condensation, Optical Properties and 1,3-Dipolar Cycloaddition Reaction	2023	Chemistry - An Asian Journal	18	24				10.1002/asia.202300827	John Wiley and Sons Ltd	18614728		Scopus
402	Article	Nandi S.; Ghosh K.; Meyyappan M.; Giri P.K.	2D MXene Electrode-Enabled High-Performance Broadband Photodetector Based on a CVD-Grown 2D Bi2Se3 Ultrathin Film on Silicon	2023	ACS Applied Electronic Materials	5	12	6985	6995	10	10.1021/acsaelm.3c01363	American Chemical Society	26376113		Scopus
403	Article	Bora N.; Das S.	Empirical Green’s Function Simulations Toward Site-Specific Ground Motion Prediction for Kopili Fault of NER India	2023	Pure and Applied Geophysics	180	12	4237	4259	22	10.1007/s00024-023-03383-y	Birkhauser	334553	All Open Access; Green Open Access	Scopus
404	Article	Kumbhar S.; De M.	Waste biomass derived nitrogen-rich carbon dots augmented g-C3N4 photocatalyst for valorization of glycerol	2023	Materials Science and Engineering: B	298					10.1016/j.mseb.2023.116815	Elsevier Ltd	9215107		Scopus
405	Article	Ravi R.; Golder A.K.	Bio-based Au Doping with Dominant Oxygen Vacancies and Ti3+ Defects on Photocatalytic Functionalities of TiO2	2023	Industrial and Engineering Chemistry Research	62	48	20702	20715	13	10.1021/acs.iecr.3c02850	American Chemical Society	8885885		Scopus
406	Article	Tera S.P.; Alantattil R.; Paily R.	A Flexible FPGA-Based Stochastic Decoder for 5G LDPC Codes	2023	Electronics (Switzerland)	12	24				10.3390/electronics12244986	Multidisciplinary Digital Publishing Institute (MDPI)	20799292	All Open Access; Gold Open Access; Green Open Access	Scopus
407	Review	Bharti M.; Das P.P.; Purkait M.K.	A review on the treatment of water and wastewater by electrocoagulation process: Advances and emerging applications	2023	Journal of Environmental Chemical Engineering	11	6				10.1016/j.jece.2023.111558	Elsevier Ltd	22133437		Scopus
408	Article	Wankawala D.H.; Mondal P.K.	Experimental investigation of non-Newtonian droplet splitting mechanism in a cross-flow type microfluidic device	2023	Sadhana - Academy Proceedings in Engineering Sciences	48	4				10.1007/s12046-023-02335-5	Springer	2562499		Scopus
409	Article	Kumar A.; Das C.	A novel eco-friendly inhibitor of chayote fruit extract for mild steel corrosion in 1 M HCl: Electrochemical, weight loss studies, and the effect of temperature	2023	Sustainable Chemistry and Pharmacy	36					10.1016/j.scp.2023.101261	Elsevier B.V.	23525541		Scopus

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410	Article	Bakal P.P.; Das G.	A Comparative Study of Raw vs. Activated Biochar Derived from “Ricinus communis Stem” for Preferential Removal of Cationic Dyes	2023	Water Conservation Science and Engineering	8	1				10.1007/s41101-023-00192-1	Springer Science and Business Media B.V.	23663340		Scopus
411	Review	Adhikary A.; Mukherjee A.; Banerjee R.; Nagotu S.	DRP1: At the Crossroads of Dysregulated Mitochondrial Dynamics and Altered Cell Signaling in Cancer Cells	2023	ACS Omega	8	48	45208	45223	15	10.1021/acsomega.3c06547	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
412	Article	Saikia S.; Kalamdhad A.S.	Response surface methodology (RSM)-based pyrolysis process parameter optimization for char generation from municipal solid waste (MSW) in a fixed bed reactor	2023	Sustainable Energy Technologies and Assessments	60					10.1016/j.seta.2023.103541	Elsevier Ltd	22131388		Scopus
413	Article	Shankar M.; Bora S.N.	Stabilization and asymptotic stability of the Caputo–Fabrizio fractional-order linear and semilinear evolution equations	2023	Franklin Open	5					10.1016/j.fraope.2023.100043	Elsevier B.V.	27731871	All Open Access; Gold Open Access	Scopus
414	Article	Mazumder J.T.; Jha R.K.	Theoretical insights into gas sensing properties of MXene	2023	Sensors and Actuators Reports	6					10.1016/j.snr.2023.100174	Elsevier B.V.	26660539	All Open Access; Gold Open Access	Scopus
415	Article	Kumar R.; De M.	Enhanced degradation of petroleum hydrocarbons by Klebsiella michiganensis RK and Acinetobacter baumannii IITG19 isolated from local soil sources	2023	International Journal of Environmental Science and Technology	20	12	13387	13398	11	10.1007/s13762-023-04790-3	Institute for Ionics	17351472		Scopus
416	Article	Ray S.; Sahoo M.R.; Mukherjee S.; Perumal A.; Nayak S.K.; Bhaumik S.	Understanding the charge transfer mechanism in CsPbBr3 nanocrystals and nitrogen-doped carbon quantum dot heterostructures: effect of nanocrystal encapsulation	2023	RSC Advances	13	50	35551	35561	10	10.1039/d3ra06307k	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access	Scopus
417	Article	Parida A.; Muthukumar P.	Reactor design and numerical study on metal hydride based finned reactor configurations for hydrogen compression application	2023	International Journal of Hydrogen Energy	48	96	37930	37943	13	10.1016/j.ijhydene.2022.10.183	Elsevier Ltd	3603199		Scopus
418	Article	Pal D.; Almawgani A.H.M.; Das S.; Pal A.; Rahman M.F.; Alhawari A.R.H.; Bhattarai S.	Numerical investigation of a high-efficiency BaZrxTi1–xS3 chalcogenide perovskite solar cell	2023	New Journal of Chemistry	48	6	2474	2483	9	10.1039/d3nj04832b	Royal Society of Chemistry	11440546		Scopus
419	Article	Mandal P.; Panda A.N.	Contrasting the excited state properties of different conformers of trans- and cis-2,2'-bipyridine oligomers in the gas phase	2023	Physical Chemistry Chemical Physics	26	3	2646	2656	10	10.1039/d3cp05313j	Royal Society of Chemistry	14639076		Scopus

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420	Article	Gupta P.; Pal D.	Interwoven spin-reorientation and exchange bias in Nd1-xPrxCrO3	2023	Journal of Alloys and Compounds	969					10.1016/j.jallcom.2023.172389	Elsevier Ltd	9258388		Scopus
421	Article	Rana A.; Mir N.U.D.; Banik A.; Hazra A.; Biswas S.	Design of functionalized luminescent MOF sensor for the precise monitoring of tuberculosis drug and neonicotinoid pesticide from human body-fluids and food samples to protect health and environment	2023	Journal of Materials Chemistry C	12	3	1030	1039	9	10.1039/d3tc03712f	Royal Society of Chemistry	20507526		Scopus
422	Review	Sahoo K.K.; Katari J.K.; Das D.	Recent advances in methanol production from methanotrophs	2023	World Journal of Microbiology and Biotechnology	39	12				10.1007/s11274-023-03813-y	Springer Science and Business Media B.V.	9593993		Scopus
423	Review	Joardar S.; Duarah P.; Purkait M.K.	Recent advances in myo-inositol recovery and purification from agricultural sources as potential dietary supplements: A review	2023	Sustainable Chemistry and Pharmacy	36					10.1016/j.scp.2023.101331	Elsevier B.V.	23525541		Scopus
424	Article	Singh A.; Sinha R.K.	Multioutput FOSLS Deep Neural Network for Solving Allen–Cahn Equation	2023	Mathematical Models and Computer Simulations	15	6	1132	1146	14	10.1134/S2070048223060066	Pleiades Publishing	20700482		Scopus
425	Article	Choi M.-J.; Sauer R.A.; Klinkel S.	A selectively reduced degree basis for efficient mixed nonlinear isogeometric beam formulations with extensible directors	2023	Computer Methods in Applied Mechanics and Engineering	417					10.1016/j.cma.2023.116387	Elsevier B.V.	457825	All Open Access; Green Open Access	Scopus
426	Article	Jahedi S.	Optimal estimation of dimension-8 neutral triple gauge couplings at the e + e – colliders	2023	Journal of High Energy Physics	2023	12				10.1007/JHEP12(2023)031	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
427	Article	Zhou Y.; Bhowmick P.; Zhang L.; Chen L.; Nagamune R.; Li Y.	A model reference adaptive control framework for floating offshore wind turbines with collective and individual blade pitch strategy	2024	Ocean Engineering	291					10.1016/j.oceaneng.2023.116054	Elsevier Ltd	298018	All Open Access; Bronze Open Access	Scopus
428	Article	Warsi S.B.F.; Panda B.; Biswas P.	Exploring fibre addition methods and mechanical properties of fibre-reinforced 3D printed concrete: A review	2023	Developments in the Built Environment	16					10.1016/j.dibe.2023.100295	Elsevier Ltd	26661659	All Open Access; Gold Open Access	Scopus
429	Article	Mandal S.; Dasmahapatra A.K.	Hierarchical polyaniline/copper cobalt ferrite nanocomposites for high performance supercapacitor electrode	2023	Journal of Energy Storage	74					10.1016/j.est.2023.109402	Elsevier Ltd	2352152X		Scopus
430	Article	Hossain M.K.; Arnab A.A.; Toki G.F.I.; Bhattarai S.; Tawfeek A.M.; Bencherif H.; Dwivedi D.K.; Madan J.; Pandey R.	High-Efficiency Lead-Free La2NiMnO6-Based Double Perovskite Solar Cell by Incorporating Charge Transport Layers Composed of WS2, ZnO, and Cu2FeSnS4	2023	Energy and Fuels	37	24	19898	19914	16	10.1021/acs.energyfuels.3c04226	American Chemical Society	8870624		Scopus
431	Article	Maibam P.D.; Goyal A.	Designing of recombinant hydrolytic enzymes cocktail for effective saccharification of delignified rice straw	2023	Industrial Crops and Products	206					10.1016/j.indcrop.2023.117727	Elsevier B.V.	9266690		Scopus

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432	Article	Ray P.; Upadhyay S.	Schubert varieties in the Grassmannian and the symplectic Grassmannian via a bounded RSK correspondence	2023	Indian Journal of Pure and Applied Mathematics	54	4	1187	1213	26	10.1007/s13226-022-00334-6	Indian National Science Academy	195588		Scopus
433	Article	Bag S.S.; Sinha S.; Singh S.; Golder A.K.	Greener photocatalytic route to azide-alkyne cycloaddition reactions: Role of hole/oxygen in air	2023	Tetrahedron	149					10.1016/j.tet.2023.133703	Elsevier Ltd	404020		Scopus
434	Article	Shah A.; Vishwakarma V.K.; Lhouvum N.; Sudhakar A.A.; Kumar P.; Srivastava A.K.; Dubois F.; Chomchok T.; Chattham N.; Singh D.P.	Pyrazino[2,3-g]quinoxaline core-based organic liquid crystalline semiconductor: Proficient hole transporting material for optoelectronic devices	2024	Journal of Molecular Liquids	393					10.1016/j.molliq.2023.123535	Elsevier B.V.	1677322	All Open Access; Bronze Open Access	Scopus
435	Article	Moharana S.K.; Kumar P.P.	Microscopic insights on ion transport in Li3OCl1–xBrx anti-perovskites from metadynamics simulations	2023	Solid State Ionics	403					10.1016/j.ssi.2023.116409	Elsevier B.V.	1672738		Scopus
436	Article	Kumar A.; Muthukumar P.	Experimental studies on poisoning of La0.9Ce0.1Ni5 based hydrogen purification system with CO2 as impurity	2023	International Journal of Hydrogen Energy	48	96	37774	37783	9	10.1016/j.ijhydene.2022.10.137	Elsevier Ltd	3603199		Scopus
437	Article	Devi D.; Sarma A.K.	Impact of interbasin transfer hydroelectric project on downstream aquatic habitat	2023	Ecohydrology	16	8				10.1002/eco.2584	John Wiley and Sons Ltd	19360584		Scopus
438	Review	Mishra R.K.; Mohanty K.	A review of the next-generation biochar production from waste biomass for material applications	2023	Science of the Total Environment	904					10.1016/j.scitotenv.2023.167171	Elsevier B.V.	489697		Scopus
439	Article	Patra S.; Golder A.K.; Uppaluri R.V.	Monodispersed AuNPs synthesized in a bio-based route for ultra selective colorimetric determination of Ni(II) ions	2023	Chemical Physics Impact	7					10.1016/j.chphi.2023.100388	Elsevier B.V.	26670224	All Open Access; Gold Open Access	Scopus
440	Article	Kumar S.; Barman N.; Borbora A.; Mondal P.; Tenjimbayashi M.; Manna U.	pH-triggered adjustable bursting of liquid marbles in water pools	2023	Journal of Materials Chemistry A	12	6	3362	3372	10	10.1039/d3ta06238d	Royal Society of Chemistry	20507488		Scopus
441	Article	Das S.; Baro R.K.; Kotecha P.; Anandalakshmi R.	Numerical studies on thermal processing of solid, liquid, and solid–liquid food products: A comprehensive analysis	2023	Journal of Food Process Engineering	46	12				10.1111/jfpe.14484	John Wiley and Sons Inc	1458876		Scopus
442	Article	Jana S.; Muthukumar P.; Raju N.N.	Hydrogen charging and discharging studies on embedded cooling tube metal hydride reactor designed for fuel cell applications	2023	International Journal of Hydrogen Energy	48	96	37847	37859	12	10.1016/j.ijhydene.2022.07.118	Elsevier Ltd	3603199		Scopus
443	Article	Bhattacharya D.; Bhakat A.; Debnath T.	Breaking AgInTe2 Quantum Dot Chain to Fabricate AgInTe2–ZnS Janus Nanocrystals	2023	Inorganic Chemistry	62	49	20219	20227	8	10.1021/acs.inorgchem.3c03156	American Chemical Society	201669		Scopus

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444	Article	Paul M.; Chattopadhyay A.	Modulating the Photoluminescence of Europium through Crystalline Assembly Formation with Gold Nanoclusters and Then Phosphate Ions	2023	Journal of Physical Chemistry Letters	14	50	11250	11257	7	10.1021/acs.jpcllett.3c02834	American Chemical Society	19487185		Scopus
445	Article	Bhowmik A.; Barman R.	Hypergeometric Functions for Dirichlet Characters and Peisert-Like Graphs on Zn	2023	Matematica	2	4	992	1021	29	10.1007/s44007-023-00075-w	Springer	27309657	All Open Access; Bronze Open Access	Scopus
446	Article	Bhattarai S.; Toki G.F.I.; Madan J.; Amami M.; Pandey R.; Samajdar D.P.; Ezzine S.; Ansari M.Z.; Hossain M.K.	Design Principles of a Novel Triple Perovskite Absorber for Efficiency Enhancement: An Optimization Study	2023	Energy and Fuels	37	24	19845	19859	14	10.1021/acs.energyfuels.3c02946	American Chemical Society	8870624		Scopus
447	Review	Kalita N.; Gogoi S.; Minter S.D.; Goswami P.	Advances in Bioelectrode Design for Developing Electrochemical Biosensors	2023	ACS Measurement Science Au	3	6	404	433	294	10.1021/acsmeasuresciau.3c00034	American Chemical Society	2694250X	All Open Access; Gold Open Access; Green Open Access	Scopus
448	Article	Anand V.; Prabhakaran H.S.; Prakash A.; Hussain M.S.; Kumar M.	Differential processing of CRISPR RNA by LinCas5c and LinCas6 of Leptospira	2023	Biochimica et Biophysica Acta - General Subjects	1867	12				10.1016/j.bbagen.2023.130469	Elsevier B.V.	3044165		Scopus
449	Article	Dhar M.; Mishra C.; Das A.; Manna U.	Polymerization of monomer aggregates for tailoring and patterning water wettability	2023	Chemical Communications	60	4	444	447	3	10.1039/d3cc05172b	Royal Society of Chemistry	13597345		Scopus
450	Article	Shit S.; Choudhury C.; Saikia A.K.	Nitrile stabilized synthesis of pyrrolidine and piperidine derivatives via tandem alkynyl aza-Prins-Ritter reactions	2023	Organic and Biomolecular Chemistry	22	3	568	578	10	10.1039/d3ob01764h	Royal Society of Chemistry	14770520		Scopus
451	Editorial	Bicer Y.; Khalid F.	Guest editorial for special issue (SI-WHEC2022) on ‘Hydrogen Energy systems and sustainable development’	2023	International Journal of Hydrogen Energy	48	99	38935			10.1016/j.ijhydene.2023.10.119	Elsevier Ltd	3603199		Scopus
452	Article	Kumar A.; Mahato K.; Dkhar D.S.; Srivastava A.; Chandra P.	Self-signal generating bioelectronic sensor surface using gadolinium hexacyanoferrate nanocomposite for oral cancer diagnosis	2023	Sensors and Actuators B: Chemical	397					10.1016/j.snb.2023.134605	Elsevier B.V.	9254005		Scopus
453	Article	Singh T.; Uppaluri R.V.S.	Optimizing biogas production: a novel hybrid approach using anaerobic digestion calculator and machine learning techniques on Indian biogas plant	2023	Clean Technologies and Environmental Policy	25	10	3319	3343	24	10.1007/s10098-023-02584-2	Springer Science and Business Media Deutschland GmbH	1618954X		Scopus
454	Review	Kakati S.; Chakraborty D.	Low velocity impact on fibre metal laminates: A review	2023	Journal of Composite Materials	57	30	4731	4750	19	10.1177/00219983231212544	SAGE Publications Ltd	219983		Scopus

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455	Article	Moges A.; Goud V.V.	Optimization of oil extraction from Hippophae salicifolia berries using supercritical CO2: Assessment of physicochemical, antioxidant, antibacterial, and thermal properties	2023	Food and Humanity	1		826	837	11	10.1016/j.foohum.2023.08.001	Elsevier B.V.	29498244		Scopus
456	Article	Sarkar A.; Srinivasan A.; Robi P.S.	Processing and characterization of TiNbMoTaW refractory high entropy alloy by mechanical alloying	2023	Advanced Powder Technology	34	12				10.1016/j.apr.2023.104276	Elsevier B.V.	9218831		Scopus
457	Article	Singh A.; Sharma S.; Deka K.; Bhatia V.	Deep Learning-Assisted OFDM Detection with Hardware Impairments	2023	Journal of Communications and Information Networks	8	4	378	388	10	10.23919/JCIN.2023.10272364	Posts and Telecom Press Co Ltd	20961081		Scopus
458	Article	Kago K.; Venkataraman P.	Possibility of conjunction between altruism and egoism	2023	Humanities and Social Sciences Communications	10	1				10.1057/s41599-023-02163-2	Springer Nature	26629992	All Open Access; Gold Open Access	Scopus
459	Article	Kumar R.; Negi R.; Singh B.; Saini G.K.; Jawed M.	Assessment of Cu(II) impact on aerobic sludge biomass and its post-exposure self-recovery potential	2023	Journal of Water Process Engineering	56					10.1016/j.jwpe.2023.104501	Elsevier Ltd	22147144		Scopus
460	Article	Narayan G.; Sen P.; Nagotu S.; Thummer R.P.	Biological activity of recombinant human PDX1 protein produced from Escherichia coli	2023	Journal of Biochemical and Molecular Toxicology	37	12				10.1002/jbt.23511	John Wiley and Sons Inc	10956670		Scopus
461	Article	Dutta H.P.J.; Bhuyan M.K.; Neog D.R.; MacDorman K.F.; Laskar R.H.	Efficient hand segmentation for rehabilitation tasks using a convolution neural network with attention	2023	Expert Systems with Applications	234					10.1016/j.eswa.2023.121046	Elsevier Ltd	9574174		Scopus
462	Article	Thiyam J.; Singh S.R.; Bora P.K.	Integrated document segmentation and region identification: textual, equation and graphical	2023	Multimedia Systems	29	6	3447	3466	19	10.1007/s00530-023-01171-1	Springer Science and Business Media Deutschland GmbH	9424962	All Open Access; Green Open Access	Scopus
463	Article	Bachu V.; Barman K.; Goswami P.	Analysis on the in-silico ensemble methods for 3D modelling of ssDNA aptamers	2023	Biophysical Chemistry	303					10.1016/j.bpc.2023.107111	Elsevier B.V.	3014622		Scopus
464	Article	Singhal R.; Dutta S.; Kalita J.C.	Comprehensive study of forced convection over a heated elliptical cylinder with varying angle of incidences to uniform free stream	2023	International Journal of Thermal Sciences	194					10.1016/j.ijthermalsci.2023.108588	Elsevier Masson s.r.l.	12900729	All Open Access; Green Open Access	Scopus
465	Article	Dhara S.; Uppaluri R.V.S.; Purkait M.K.	Enhancing Bioethanol Yield from Ravenna Grass (Saccharum ravennae): Optimization of Pretreatment Strategies and Surfactant-Assisted Enzymatic Hydrolysis for Maximum Sugar Yield	2023	ACS Agricultural Science and Technology	3	12	1154	1168	14	10.1021/acsagscitech.3c00321	American Chemical Society	26921952		Scopus
466	Article	Singh S.; Chakraborty S.	Application of alternative organic wetland media for acid mine drainage treatment: Insights on reformations of microbial community structure	2023	Journal of Environmental Chemical Engineering	11	6				10.1016/j.jece.2023.111399	Elsevier Ltd	22133437		Scopus

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467	Article	Das M.; Murari H.; Ghosh S.; Sanyal B.	Manipulation of electrochemical properties of MXene electrodes for supercapacitor applications by chemical and magnetic disorder	2023	Nanoscale	16	3	1352	1361	9	10.1039/d3nr03186a	Royal Society of Chemistry	20403364		Scopus
468	Article	Katika B.R.; Karthik K.	Image life trails based on contrast reduction models for face counter-spoofing	2023	Eurasip Journal on Information Security	2023	1				10.1186/s13635-022-00135-8	Springer Science and Business Media Deutschland GmbH	2510523X	All Open Access; Gold Open Access; Green Open Access	Scopus
469	Article	Roy S.S.; Ghosh K.; Meyyappan M.; Giri P.K.	MXene-PEDOT:PSS Nanocomposite-Based Electromagnetic Interference Shields with Ultrahigh Absolute Shielding Effectiveness	2023	ACS Applied Nano Materials	6	24	23357	23369	12	10.1021/acsanm.3c04682	American Chemical Society	25740970		Scopus
470	Article	Lekshmi K.; Bharti R.; Mahanta C.	Significance of Physico-Chemical and Biological Parameters on Spatio-Temporal PCO2 Distribution in the Northeastern Indian Ocean	2023	Journal of the Indian Society of Remote Sensing	51	12	2511	2519	8	10.1007/s12524-023-01780-3	Springer	0255660X		Scopus
471	Article	Dhal M.K.; Madhu K.; Banerjee A.; Prasannavenkadesan V.; Kumar A.; Katiyar V.	Polylactic acid/polycaprolactone/sawdust based biocomposites trays with enhanced compostability	2023	International Journal of Biological Macromolecules	253					10.1016/j.ijbiomac.2023.126977	Elsevier B.V.	1418130		Scopus
472	Article	Yathirajula R.B.; Gupta R.K.; Afroz M.A.; Choudhury A.; Baishya H.; Iyer P.K.	Dual-Hole-Transport-Layer-Facilitated Efficient Perovskite Light-Emitting Diode	2023	Physica Status Solidi (A) Applications and Materials Science	220	24				10.1002/pssa.202300247	John Wiley and Sons Inc	18626300		Scopus
473	Article	Muksor A.; Parmar D.	Cultural Beliefs and Practices in Self-Management of Diabetes Among Pnar Women in Meghalaya, India	2023	Science of Diabetes Self-Management and Care	49	6	462	476	14	10.1177/26350106231208155	SAGE Publications Inc.	26350106		Scopus
474	Review	Gangar T.; Patra S.	Antibiotic persistence and its impact on the environment	2023	3 Biotech	13	12				10.1007/s13205-023-03806-6	Springer Science and Business Media Deutschland GmbH	2190572X	All Open Access; Green Open Access	Scopus
475	Article	Malakar B.; Das D.; Mohanty K.	Utilization of waste peel extract for cultivation of microalgal isolates: a study of lipid productivity and growth kinetics	2023	Biomass Conversion and Biorefinery	13	18	17017	17026	9	10.1007/s13399-022-02313-7	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
476	Article	Banerjee R.; Mukherjee A.; Adhikary A.; Sharma S.; Hussain M.S.; Ali M.E.; Nagotu S.	Insights into the role of the conserved GTPase domain residues T62 and S277 in yeast Dnm1	2023	International Journal of Biological Macromolecules	253					10.1016/j.ijbiomac.2023.127381	Elsevier B.V.	1418130		Scopus
477	Article	Shekhar Samanta N.; Mondal P.; Dhara S.; Bora U.; Purkait M.K.	Fabrication of LD-slag derived zeolite Y coated polysulfone (PSf) membrane for decontamination of groundwater	2023	Chemical Engineering Journal	478					10.1016/j.cej.2023.147330	Elsevier B.V.	13858947		Scopus

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478	Article	Bag S.S.; Sinha S.; Dutta S.; Baishya H.J.; Paul S.	Targeting the SARS-CoV-2 RNA-dependent RNA polymerase (RdRp) with synthetic/designer unnatural nucleoside analogs: an in silico study	2023	Journal of Molecular Modeling	29	12				10.1007/s00894-023-05767-2	Springer Science and Business Media Deutschland GmbH	16102940		Scopus
479	Article	Nandi P.; Pal S.; Pal S.K.; Majhi B.R.	Low frequency gravitational waves through Berry phase	2023	Physical Review D	108	12				10.1103/PhysRevD.108.124069	American Physical Society	24700010		Scopus
480	Article	Bhattarai S.; Hossain M.K.; Madan J.; Pandey R.; Samajdar D.P.; Ansari M.Z.; Hossain I.; Ezzine S.; Amami M.	Performance improvement of HTL-free perovskite solar cells with the graded approach by numerical simulation	2024	Journal of Physics and Chemistry of Solids	184					10.1016/j.jpcs.2023.111691	Elsevier Ltd	223697		Scopus
481	Article	Lenka B.K.; Bora S.N.	NEW COMPARISON METHOD FOR NONAUTONOMOUS CAPUTO–TYPE TIME–DELAY SYSTEMS	2023	Fractional Differential Calculus	13	2	141	148	7	10.7153/fdc-2023-13-08	Element D.O.O.	18479677	All Open Access; Gold Open Access	Scopus
482	Article	Majumder S.; Basu D.N.; Natarajan G.	Comprehensive assessment of the partially-saturated-cells framework for convective problems	2023	International Journal of Heat and Mass Transfer	217					10.1016/j.ijheatmasstransfer.2023.124613	Elsevier Ltd	179310		Scopus
483	Article	Ahmed G.; Kishore N.	Fuel phase extraction from pyrolytic liquid of Azadirachta indica biomass followed by subsequent characterization of pyrolysis products	2023	Renewable Energy	219					10.1016/j.renene.2023.119460	Elsevier Ltd	9601481		Scopus
484	Article	Kaur J.; Natesan S.	A novel numerical scheme for time-fractional Black-Scholes PDE governing European options in mathematical finance	2023	Numerical Algorithms	94	4	1519	1549	30	10.1007/s11075-023-01545-6	Springer	10171398		Scopus
485	Article	Shripad Kulkarni A.; Nemade H.B.; Swaminathan R.	Replacement of conventional reference electrode with platinum electrode for electronic tongue based analysis of dairy products	2023	Results in Chemistry	6					10.1016/j.rechem.2023.101185	Elsevier B.V.	22117156	All Open Access; Gold Open Access	Scopus
486	Article	Borah A.	Impact of COVID-19 on Indian politics: analyzing political leaders interactions and sentiments on Twitter	2023	Social Network Analysis and Mining	13	1				10.1007/s13278-023-01153-1	Springer	18695450		Scopus
487	Article	Kar S.; Maharana P.K.; Punniyamurthy T.; Trivedi V.	Tandem (4 + 3)-Annulation of Aziridines: Stereoselective Access to Fused Azepinoindoles	2023	Organic Letters	25	49	8850	8855	5	10.1021/acs.orglett.3c03547	American Chemical Society	15237060		Scopus
488	Article	Mandal A.; Mandal S.; Mallik S.; Mondal S.; Bag S.S.; Goswami D.K.	Precise and rapid point-of-care quantification of albumin levels in unspiked blood using organic field-effect transistors	2023	Nanoscale Advances	6	2	630	637	7	10.1039/d3na00564j	Royal Society of Chemistry	25160230	All Open Access; Gold Open Access; Green Open Access	Scopus
489	Article	Gupta D.; Das A.; Mitra S.	Role of modeling and artificial intelligence in process parameter optimization of biochar: A review	2023	Bioresource Technology	390					10.1016/j.biortech.2023.129792	Elsevier Ltd	9608524		Scopus

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490	Article	Maji S.; Natesan S.	An Efficient Numerical Method for Fractional Advection–Diffusion–Reaction Problem with RLC Fractional Derivative	2023	Mediterranean Journal of Mathematics	20	6				10.1007/s00009-023-02499-8	Birkhauser	16605446		Scopus
491	Article	Sahu S.; Gurrala R.C.; Dobbidi P.	Effect of rare earth substitution on electromagnetic and microwave absorption properties of nickel-cobalt nano ferrite	2023	Ceramics International	49	24	40875	40893	18	10.1016/j.ceramint.2023.10.073	Elsevier Ltd	2728842		Scopus
492	Article	Mukherjee S.; Ghosh S.; Biswas S.	Amine-Rich Porous MOF Nanocrystals for the Selective Capture of Carcinogenic Anions and Organo-Pollutants from the Waste Water Environment at Neutral pH	2023	ACS Applied Nano Materials	6	23	22231	22240	9	10.1021/acsanm.3c04443	American Chemical Society	25740970		Scopus
493	Article	Patawar M.; Kapoor K.	The square density of words having a sequence of FS-double squares	2023	Discrete Applied Mathematics	341		349	358	9	10.1016/j.dam.2023.08.021	Elsevier B.V.	0166218X		Scopus
494	Article	Dhara H.N.; Das B.; Barik D.; Manna S.; Patel B.K.	Pd(II)-Catalyzed Three-Component Synthesis of Furo[2,3-d]pyrimidines from β-Ketodinitriles, Boronic Acids, and Aldehydes	2023	Organic Letters	25	50	9070	9075	5	10.1021/acs.orglett.3c04017	American Chemical Society	15237060		Scopus
495	Article	Bhowmick S.; Biswas N.; Kalita P.C.; Sorathia K.	Design and evaluation of AMAZE: A multi-finger approach to select small and distant objects in dense virtual environments	2023	Displays	80					10.1016/j.displa.2023.102539	Elsevier B.V.	1419382		Scopus
496	Article	Pegu O.A.; Das A.; Das G.	Effect of terminal substituents on anion recognition in bis-urea receptors and tetracycline sensing in water	2023	Journal of Molecular Structure	1294					10.1016/j.molstruc.2023.136427	Elsevier B.V.	222860		Scopus
497	Article	Bhattarai S.; Pandey R.; Madan J.; Ansari M.Z.; Hossain M.K.; Amami M.; Ahammad S.H.; Rashed A.N.Z.	Chlorine-doped perovskite materials for highly efficient perovskite solar cell design offering an efficiency of nearly 29%	2024	Progress in Photovoltaics: Research and Applications	32	1	25	34	9	10.1002/pip.3732	John Wiley and Sons Ltd	10627995		Scopus
498	Article	Paul T.; Basak S.; Nanjegowda M.V.; Punniyamurthy T.	Biorelevant Weakly Coordinating Directing Group Assisted C-H Alkenylation with Cyclopropanols via Sequential C-H/C-C Activation	2023	Organic Letters	25	50	8975	8980	5	10.1021/acs.orglett.3c03493	American Chemical Society	15237060		Scopus
499	Article	Kadyan M.; Bhattacharjya B.	H-integral and Gaussian integral normal mixed Cayley graphs	2023	Discrete Mathematics	346	12				10.1016/j.disc.2023.113638	Elsevier B.V.	0012365X	All Open Access; Green Open Access	Scopus

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500	Article	Patel H.K.; Kumar B.	Hydro-morphological behavior around T-shaped spur dikes with downward seepage	2023	Scientific Reports	13	1				10.1038/s41598-023-37694-w	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
501	Article	Narayan G.; Agrawal A.; Sen P.; Nagotu S.; Thummer R.P.	Production of Bioactive Human PAX4 Protein from E. coli	2023	Protein Journal	42	6	766	777	11	10.1007/s10930-023-10143-3	Springer	15723887		Scopus
502	Article	Srivyas P.D.; Gupta A.; Medhi T.; Arumugam S.; Kumar D.; Mohan S.	Corrosion and Tribo-Investigations on Alumina–Graphene-Doped Hybrid Aluminium Composites	2023	Transactions of the Indian Institute of Metals	76	12	3281	3291	10	10.1007/s12666-023-02999-x	Springer	9722815		Scopus
503	Article	Tsopoe S.P.; Borgohain C.; Kar M.; Kumar Panda S.; Borah J.P.	An exhaustive scrutiny to amplify the heating prospects by devising a core@shell nanostructure for constructive magnetic hyperthermia applications	2023	Scientific Reports	13	1				10.1038/s41598-023-39766-3	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
504	Article	Vardhan H.; Sasamal S.; Mohanty K.	Xylitol Production by Candida tropicalis from Areca Nut Husk Enzymatic Hydrolysate and Crystallization	2023	Applied Biochemistry and Biotechnology	195	12	7298	7321	23	10.1007/s12010-023-04469-y	Springer	2732289		Scopus
505	Article	Garg H.; Kundu A.; Soti A.K.; Bhardwaj R.	Immersed boundary method based fluid–structure–thermal interaction solver with conjugate heat transfer	2023	Sadhana - Academy Proceedings in Engineering Sciences	48	4				10.1007/s12046-023-02241-w	Springer	2562499		Scopus
506	Article	Kumari S.V.G.; Pakshirajan K.; Pugazhenth G.	Facile fabrication and characterization of novel antimicrobial and antioxidant poly (3-hydroxybutyrate)/essential oil composites for potential use in active food packaging applications	2023	International Journal of Biological Macromolecules	252					10.1016/j.ijbiomac.2023.126566	Elsevier B.V.	1418130		Scopus
507	Article	Dey D.; Van V.N.; Xuan H.N.; Srinivas D.; Panda B.; Tran P.	Flexural performance of 3D printed concrete structure with lattice infills	2023	Developments in the Built Environment	16					10.1016/j.dibe.2023.100297	Elsevier Ltd	26661659	All Open Access; Gold Open Access	Scopus
508	Article	Kumari N.; Samdarshi S.K.; Verma R.; Gaurav K.; Bhattacharyya A.S.; Mohanty K.; Deshpande U.	Superior functionality of niobium pentoxide nano-rod/tripod photocatalyst synthesized using polyethyleneimine as a soft template for the abatement of methylene blue under UV and visible irradiation	2023	Environmental science and pollution research international	30	58	122458	1E+05	11	10.1007/s11356-023-31001-w		16147499		Scopus

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509	Article	Garia S.; Pal A.K.; Katre S.; Nayak S.; Ravi K.; Nair A.M.	Mapping petrophysical properties with seismic inversion constrained by laboratory based rock physics model	2023	Earth Science Informatics	16	4	3191	3207	16	10.1007/s12145-023-01089-2	Springer Science and Business Media Deutschland GmbH	18650473		Scopus
510	Article	Khatun H.; Pamu D.; Balmuchu S.P.; Singh N.S.; Sarma U.	Power enhancement of piezoelectric energy harvester using ZnOnf-PDMS composite with PVDF filler	2023	Sensors and Actuators A: Physical	364					10.1016/j.sna.2023.114812	Elsevier B.V.	9244247		Scopus
511	Article	Keot N.; Lama B.; Singh H.K.; Bhattacharyya H.P.; Sarma M.	Unveiling the Noncovalent Interaction of Thiazol-2-ylidene and Its Derivatives as N-heterocyclic Carbene with Different Proton Donor Molecules	2023	ChemPhysChem	24	23				10.1002/cphc.202300413	John Wiley and Sons Inc	14394235		Scopus
512	Article	Rarotra S.; Singh A.K.; Mandal T.K.; Bandyopadhyay D.	Co-electrolysis of seawater and carbon dioxide inside a microfluidic reactor to synthesize speciality organics	2023	Scientific Reports	13	1				10.1038/s41598-023-34456-6	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
513	Article	Chattopadhyay J.; Laxmi H.; Saikia A.	Structure of 2-class groups in the Z2 - extensions of certain real quadratic fields	2023	Research in Number Theory	9	4				10.1007/s40993-023-00478-2	Springer Science and Business Media Deutschland GmbH	23639555		Scopus
514	Article	Alhartomi M.A.; Khan M.T.; Alzahrani S.; Alzahmi A.; Shaik R.A.; Hazarika J.; Alsulami R.; Alotaibi A.; Al-Harthi M.	Low-Area and Low-Power VLSI Architectures for Long Short-Term Memory Networks	2023	IEEE Journal on Emerging and Selected Topics in Circuits and Systems	13	4	1000	1014	14	10.1109/JETCAS.2023.3330428	Institute of Electrical and Electronics Engineers Inc.	21563357		Scopus
515	Article	Gupta S.K.; Pal R.; Ahmad A.; Melandsø F.; Habib A.	Image denoising in acoustic microscopy using block-matching and 4D filter	2023	Scientific Reports	13	1				10.1038/s41598-023-40301-7	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
516	Article	Monnaf M.A.; Haque A.K.M.M.; Ali M.H.; Bhattarai S.; Haque M.D.; Rahman M.F.	Design and simulation of Cu2SnSe3-based solar cells using various hole transport layer (HTL) for performance efficiency above 32%	2023	Physica Scripta	98	12				10.1088/1402-4896/ad0529	Institute of Physics	318949		Scopus
517	Article	Annapureddy P.K.R.; Kishore N.; Yao Z.	Kinetics and thermodynamics of non-isothermal pyrolysis of polypropylene grocery bags	2023	Reaction Kinetics, Mechanisms and Catalysis	136	6	3151	3171	20	10.1007/s11144-023-02492-y	Springer Science and Business Media B.V.	18785190		Scopus
518	Article	Gogoi D.; Bhattarai S.; Das T.D.	Influence of altered parasitic aspects on the device structure for efficient organic solar cells	2023	Pramana - Journal of Physics	97	4				10.1007/s12043-023-02660-8	Springer	3044289		Scopus

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519	Article	Sarkar D.; Das N.; Saikh M.M.; Roy S.; Paul S.; Hoque N.A.; Basu R.; Das S.	Elevating the performance of nanoporous bismuth selenide incorporated arch-shaped triboelectric nanogenerator by implementing piezo-tribo coupling effect: harvesting biomechanical energy and low scale energy sensing applications	2023	Advanced Composites and Hybrid Materials	6	6				10.1007/s42114-023-00807-0	Springer Science and Business Media B.V.	25220128		Scopus
520	Article	Chellappa V.; Salve U.R.	Fall Risk Assessment for Vertical Formwork Activities in Construction	2023	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering	9	4				10.1061/AJRU6.RUENG-958	American Society of Civil Engineers (ASCE)	23767642		Scopus
521	Review	Pandey A.; Kalamdhad A.; Chandra Sharma Y.	Recent advances of nanocellulose as biobased adsorbent for heavy metal ions removal: A sustainable approach integrating with waste management	2023	Environmental Nanotechnology, Monitoring and Management	20					10.1016/j.enmm.2023.100791	Elsevier B.V.	22151532		Scopus
522	Article	Hossain M.; Sarkar K.; Mondal A.; Bag A.; Kuiri P.K.; Roopa; Kumar M.S.; Bysakh S.; Pal P.	NO2 gas sensing performance of Ag–WO3–x thin films prepared by reactive magnetron sputtering process	2023	Applied Physics A: Materials Science and Processing	129	12				10.1007/s00339-023-07134-7	Springer Science and Business Media Deutschland GmbH	9478396		Scopus
523	Article	Bhattacharya S.; Ghosh P.; Lahiri J.; Mukhopadhyaya B.	Mono- X signal and two component dark matter: New distinction criteria	2023	Physical Review D	108	11				10.1103/PhysRevD.108.L111703	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
524	Article	Pathak P.; Srivastava M.; Bisht G.S.; Srinivasan A.	Electrodeposited Fe2CoSn Thin Film with Enhanced Structural and Magnetic Properties	2023	Journal of the Electrochemical Society	170	12				10.1149/1945-7111/ad155b	Institute of Physics	134651		Scopus
525	Article	Kalita J.C.; Kumar P.	Vortex dynamics of accelerated flow past a mounted wedge	2023	Physics of Fluids	35	12				10.1063/5.0177161	American Institute of Physics Inc.	10706631	All Open Access; Green Open Access	Scopus
526	Review	Gawal P.M.; Subudhi S.	Advances and challenges in bio-based 2,3-BD downstream purification: A comprehensive review	2023	Bioresource Technology Reports	24					10.1016/j.biteb.2023.101638	Elsevier Ltd	2589014X		Scopus
527	Article	Dongre A.; Boro B.; Trivedi G.	ADC-Less Reprogrammable RRAM Array Architecture for In-Memory Computing	2023	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	31	12	2053	2060	7	10.1109/TVLSI.2023.3319578	Institute of Electrical and Electronics Engineers Inc.	10638210		Scopus
528	Article	Ghani W.; Rasool Shah S.; Kumar B.	Higher-order turbulent characteristics of sinuous alluvial river	2023	Results in Engineering	20					10.1016/j.rineng.2023.101508	Elsevier B.V.	25901230	All Open Access; Gold Open Access	Scopus

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529	Article	Renanse A.; Sharma A.; Chandra R.	Memory capacity of recurrent neural networks with matrix representation	2023	Neurocomputing	560					10.1016/j.neucom.2023.126824	Elsevier B.V.	9252312	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
530	Article	Wani K.M.; Uppaluri R.V.S.	Characterization of pectin extracted from pomelo peel using pulsed ultrasound assisted extraction and acidic hot water extraction process	2023	Applied Food Research	3	2				10.1016/j.afres.2023.100345	Elsevier B.V.	27725022	All Open Access; Gold Open Access	Scopus
531	Article	Nag A.; Chanda P.R.; Nandi S.	Mobile app-based tomato disease identification with fine-tuned convolutional neural networks	2023	Computers and Electrical Engineering	112					10.1016/j.compeleceng.2023.108995	Elsevier Ltd	457906		Scopus
532	Article	Mohanty S.S.; Mohanty K.	Valorization of Chlorella thermophila biomass cultivated in dairy wastewater for biopesticide production against bacterial rice blight: a circular biorefinery approach	2023	BMC Plant Biology	23	1				10.1186/s12870-023-04579-z	BioMed Central Ltd	14712229	All Open Access; Gold Open Access; Green Open Access	Scopus
533	Article	Singh S.; Katiyar N.K.; Goel S.; Joshi S.N.	Phase prediction and experimental realisation of a new high entropy alloy using machine learning	2023	Scientific Reports	13	1				10.1038/s41598-023-31461-7	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
534	Review	Mangal M.; Supriya H.; Bose S.; Banerjee T.	Innovations in applications and prospects of non-isocyanate polyurethane bioplastics	2023	Biopolymers	114	12				10.1002/bip.23568	John Wiley and Sons Inc	63525		Scopus
535	Article	Singh A.; Sharma S.; Sharma M.; Deka K.	Low Complexity Deep-Decoder for OTSM With Hardware Impairments	2023	IEEE Communications Letters	27	12	3240	3244	4	10.1109/LCOMM.2023.3327249	Institute of Electrical and Electronics Engineers Inc.	10897798		Scopus
536	Article	Priya M.; Venkatesan R.; Deepa S.; Sana S.S.; Arumugam S.; Karami A.M.; Vetcher A.A.; Kim S.-C.	Green synthesis, characterization, antibacterial, and antifungal activity of copper oxide nanoparticles derived from Morinda citrifolia leaf extract	2023	Scientific Reports	13	1				10.1038/s41598-023-46002-5	Nature Research	20452322		Scopus
537	Article	Singh R.; Chakinala N.; Mohanty K.; Chakinala A.G.	Catalytic upgrading of biomass pyrolysis vapors for selective production of phenolic monomers over metal oxide modified alumina catalysts	2023	Journal of Environmental Chemical Engineering	11	6				10.1016/j.jece.2023.111518	Elsevier Ltd	22133437		Scopus

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538	Article	Dai H.-N.; Wang C.-T.; Tran B.-T.; Nguyen T.-A.D.; Le L.-P.M.; Tran M.V.	Effect of bufferless conditions on the degradation of hydrogen fermentation effluent from bamboo hydrolysate by microbial fuel cells	2023	Journal of Water Process Engineering	56					10.1016/j.jwpe.2023.104364	Elsevier Ltd	22147144		Scopus
539	Article	Das N.M.; Prusty B.M.; Pradhan N.; Gupta A.; Carmena-Bargueño M.; Karn R.; Pérez-Sánchez H.; Kumar S.; Manna D.	Evaluation of mode of indoleamine 2,3-dioxygenase 1 inhibition by 4,7-dichloroquinolines	2023	European Journal of Medicinal Chemistry Reports	9					10.1016/j.ejmcr.2023.100110	Elsevier Masson s.r.l.	27724174	All Open Access; Gold Open Access	Scopus
540	Article	Gawal P.M.; Mudgil D.; Subudhi S.	Hybrid extraction distillation for downstream purification of 2, 3-butanediol, and ethanol from fermentation broth	2023	Bioresource Technology Reports	24					10.1016/j.biteb.2023.101649	Elsevier Ltd	2589014X		Scopus
541	Article	Biswas A.; Chakraborty S.	Cost benefit analysis of integrated constructed wetland microbial fuel cell system for sustainable and economic domestic wastewater treatment	2023	Sustainable Energy Technologies and Assessments	60					10.1016/j.seta.2023.103475	Elsevier Ltd	22131388		Scopus
542	Article	Pothan E.V.; Kashyap S.	Cell-Free Massive MIMO Enabled Wireless Communication With UAVs in Underlay Spectrum Access Networks	2023	IEEE Transactions on Communications	71	12	7363	7377	14	10.1109/TCOMM.2023.3313616	Institute of Electrical and Electronics Engineers Inc.	906778		Scopus
543	Article	Saikia P.; Baruah R.D.	Stacked ensemble model for reservoir characterisation to predict log properties from seismic signals	2023	Computational Geosciences	27	6	1067	1086	19	10.1007/s10596-023-10248-9	Springer Science and Business Media Deutschland GmbH	14200597		Scopus
544	Article	Anand A.; Murthy C.R.; Chopra R.	Impact of mobility on the downlink performance of cell-free massive MIMO systems	2023	Physical Communication	61					10.1016/j.phycom.2023.102178	Elsevier B.V.	18744907		Scopus
545	Article	Kanaujiya D.K.; Purnima M.; Pugazhenth G.; Dutta T.K.; Pakshirajan K.	An indigenous tubular ceramic membrane integrated bioreactor system for biodegradation of phthalates mixture from contaminated wastewater	2023	Biodegradation	34	6	533	548	15	10.1007/s10532-023-10040-7	Springer Science and Business Media B.V.	9239820		Scopus
546	Article	Kumar A.; Choudhary R.; Kumar A.	A Study on Aging Characteristics of Asphalt Binders Modified with Waste EPDM Rubber and Tire Pyrolysis Oil	2023	Journal of Materials in Civil Engineering	35	12				10.1061/JMCEE7.MTENG-16240	American Society of Civil Engineers (ASCE)	8991561		Scopus
547	Article	Hemdan B.A.; El-Taweel G.E.; Naha S.; Goswami P.	Bacterial community structure of electrogenic biofilm developed on modified graphite anode in microbial fuel cell	2023	Scientific Reports	13	1				10.1038/s41598-023-27795-x	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
548	Article	Bhattacharya S.; Jahedi S.; Wudka J.	Optimal determination of new physics couplings: a comparative study	2023	Journal of High Energy Physics	2023	12				10.1007/JHEP12(2023)026	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus

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549	Article	Mili R.; Sundriyal R.C.	ÉPOP (traditional starter culture): a complex composition of plant resources prepared by the Misings of Assam, Northeast India	2023	Journal of Ethnic Foods	10	1				10.1186/s42779-023-00214-2	BioMed Central Ltd	23526181	All Open Access; Gold Open Access	Scopus
550	Article	Jena T.; Hossain M.T.; Nath U.; Sarma M.; Sugimoto H.; Fujii M.; Giri P.K.	Evidence for intrinsic defects and nanopores as hotspots in 2D PdSe2 dendrites for plasmon-free SERS substrate with a high enhancement factor	2023	npj 2D Materials and Applications	7	1				10.1038/s41699-023-00367-3	Nature Research	23977132	All Open Access; Gold Open Access	Scopus
551	Review	Choudhary S.; Choudhary R.K.; Kumar M.; Singh S.; Malik Y.S.	Epidemiological Status of Leptospirosis in India	2023	Journal of Pure and Applied Microbiology	17	4	1968	1977	9	10.22207/JPAM.17.4.44	Journal of Pure and Applied Microbiology	9737510	All Open Access; Gold Open Access	Scopus
552	Article	Pillai A.J.; Ahmed M.H.; Talukdar S.	Fatigue Damage Assessment of Tensile Specimen Considering Opening Stress in Crack Propagation Stage	2023	International Journal of Steel Structures	23	6	1490	1499	9	10.1007/s13296-023-00783-7	Korean Society of Steel Construction	15982351		Scopus
553	Article	Kumar S.; Kumar B.; Deshpande V.; Agarwal M.	Predicting flow velocity in a vegetative alluvial channel using standalone and hybrid machine learning techniques[Formula presented]	2023	Expert Systems with Applications	232					10.1016/j.eswa.2023.120885	Elsevier Ltd	9574174		Scopus
554	Article	Sahoo S.; Dandapat S.	A physical exertion inspired multi-task learning framework for detecting out-of-breath speech	2023	Computer Speech and Language	84					10.1016/j.csl.2023.101556	Academic Press	8852308		Scopus
555	Article	Chel H.; Bora P.K.; Ramchiary K.K.	Segmentation-based Registration of Pre and Intra-operative Brain Ultrasound Images Using Particle Swarm Optimization	2023	Research on Biomedical Engineering	39	4	805	818	13	10.1007/s42600-023-00304-9	Springer Science and Business Media Deutschland GmbH	24464732		Scopus
556	Article	Singh S.; Kumar A.; Sitharam T.G.	Investigating the strength and durability properties of alkali activated red mud for tailings pond embankment material	2023	Geomechanics for Energy and the Environment	36					10.1016/j.gete.2023.100500	Elsevier Ltd	23523808		Scopus
557	Review	Dubey A.A.; Dhami N.K.; Ravi K.; Mukherjee A.	Erosion mitigation with biocementation: a review on applications, challenges, & future perspectives	2023	Reviews in Environmental Science and Biotechnology	22	4	1059	1091	32	10.1007/s11157-023-09674-z	Springer Science and Business Media B.V.	15691705	All Open Access; Hybrid Gold Open Access	Scopus
558	Article	Das A.K.; Kalita J.J.; Borah M.; Das S.; Sharma M.; Saharia D.; Sarma K.K.; Bora S.; Bora U.	Papaya latex mediated synthesis of prism shaped proteolytic gold nanozymes	2023	Scientific Reports	13	1				10.1038/s41598-023-32409-7	Nature Research	20452322		Scopus
559	Article	Debnath M.; Mahanta C.; Sarma A.K.; Upadhyaya A.; Das A.	Participatory design to investigate the effects of farmers’ fertilization practices under unsubmerged conditions toward efficient nutrient uptake in rainfed rice	2023	South African Journal of Botany	163		338	347	9	10.1016/j.sajb.2023.10.055	Elsevier B.V.	2546299		Scopus

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560	Article	Abbas M.; Narayan J.; Dwivedy S.K.	A systematic review on cooperative dual-arm manipulators: modeling, planning, control, and vision strategies	2023	International Journal of Intelligent Robotics and Applications	7	4	683	707	24	10.1007/s41315-023-00292-0	Springer	23665971		Scopus
561	Conference paper	Neethu K.; Sharin Shahana K.C.; James R.K.; Jose J.; Mandal S.K.	ELEMENT: Energy-Efficient Multi-NoP Architecture for IMC-Based 2.5-D Accelerator for DNN Training	2023	IEEE Design and Test	40	6	51	63	12	10.1109/MDAT.2023.3309743	IEEE Computer Society	21682356		Scopus
562	Article	Kumar Kanaujiya D.; More A.; Kumar Chhantyal A.; Karn R.; Pakshirajan K.	Biodegradation of low, medium and high molecular weight phthalate by Gordonia sp. in a batch system: Kinetics and phytotoxicity analyses	2023	Bioengineered	14	1	195	211	16	10.1080/21655979.2023.2229094	NLM (Medline)	21655987	All Open Access; Gold Open Access; Green Open Access	Scopus
563	Article	Haq I.; Kalamdhad A.S.	Enhanced biodegradation of toxic pollutants from paper industry wastewater using Pseudomonas sp. immobilized in composite biocarriers and its toxicity evaluation	2023	Bioresource Technology Reports	24					10.1016/j.biteb.2023.101674	Elsevier Ltd	2589014X		Scopus
564	Article	Hegde M.; Kumar A.; Girisa S.; Aswani B.S.; Vishwa R.; Sethi G.; Kunnumakkara A.B.	Nanoformulations of curcumin: An alliance for effective cancer therapeutics	2023	Food Bioscience	56					10.1016/j.fbio.2023.103095	Elsevier Ltd	22124292		Scopus
565	Article	Shankar M.; Bora S.N.	Caputo-fabrizio fractional-order systems: periodic solution and stabilization of non-periodic solution with application to gunn diode oscillator	2023	Physica Scripta	98	12				10.1088/1402-4896/ad0c12	Institute of Physics	318949		Scopus
566	Article	Barman D.; Annadhasan M.; Bidkar A.P.; Rajamalli P.; Barman D.; Ghosh S.S.; Chandrasekar R.; Iyer P.K.	Highly efficient color-tunable organic co-crystals unveiling polymorphism, isomerism, delayed fluorescence for optical waveguides and cell-imaging	2023	Nature Communications	14	1				10.1038/s41467-023-42017-8	Nature Research	20411723	All Open Access; Gold Open Access; Green Open Access	Scopus
567	Article	Li G.M.; Peng Z.J.; Chen X.L.; Ding K.H.; Sorokin P.; Perumal A.; Chen J.H.; Xu X.D.	Correlated microstructure and magnetic properties of Ce-substituted sintered Nd-Fe-B magnets: Role of various phases at triple junctions and grain boundaries	2023	Acta Materialia	261					10.1016/j.actamat.2023.119407	Acta Materialia Inc	13596454		Scopus
568	Article	Rahevar S.; Kakati A.; Kumar G.; Sangwai J.; Myers M.; Al-Yaseri A.	Controlled salinity water flooding and zeta potential: Insight into a novel enhanced oil recovery mechanism	2023	Energy Reports	9		2557	2565	8	10.1016/j.egyr.2023.01.088	Elsevier Ltd	23524847	All Open Access; Gold Open Access	Scopus
569	Article	Sarmah M.; Dutta A.; Deb S.K.	Axial Stress-Strain Model for Concrete Actively Confined with Fe-SMA Strips	2023	Journal of Materials in Civil Engineering	35	12				10.1061/JMCEE7.MTENG-16087	American Society of Civil Engineers (ASCE)	8991561		Scopus

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570	Article	Deo B.D.N.; Datta A.K.	A step toward the development of a user interface (UI) for material calculation and cost analysis of jacketed buildings	2023	Asian Journal of Civil Engineering	24	8	2925	2938	13	10.1007/s42107-023-00685-3	Institute for Ionics	15630854		Scopus
571	Article	Jeribi F.; Ahamed S.R.; Perumal U.; Alhameed M.H.; Chari Kamsali M.	Developing an MQ-LSTM-Based Cultural Tourism Accelerator with Database Security	2023	Sustainability (Switzerland)	15	23				10.3390/su152316276	Multidisciplinary Digital Publishing Institute (MDPI)	20711050	All Open Access; Gold Open Access; Green Open Access	Scopus
572	Article	Ashraf M.; Mainuddin M.; Beg M.T.; Moin F.; Saikia A.; Dwivedi S.K.; Kumar G.	U-shaped plastic optical fiber sensor for phosphate detection in water	2023	Optical and Quantum Electronics	55	13				10.1007/s11082-023-05466-5	Springer	3068919		Scopus
573	Article	Mandal R.; Ghosh S.; Khandelia T.; Panigrahi P.; Patel B.K.	Base-Induced Decarboxylative 1,1-Alkoxy Thiolation via Hydrothiolation of Vinylene Carbonate	2023	Journal of Organic Chemistry	88	23	16655	16660	5	10.1021/acs.joc.3c02036	American Chemical Society	223263		Scopus
574	Article	Xalxo A.; Jyoti Goswami U.; Sarkar S.; Kandasamy T.; Mehta K.; Ghosh S.S.; Bharatam P.V.; Khan A.T.	Synthesis of 3-sulfenylindole derivatives from 4-hydroxy-2H-chromene-2-thione and indole using oxidative cross-dehydrogenative coupling reaction and anti-proliferative activity study of some of their sulfone derivatives	2023	Bioorganic Chemistry	141					10.1016/j.bioorg.2023.106900	Academic Press Inc.	452068		Scopus
575	Article	Barman D.; Baruah A.; Sarma A.K.; Aggarwal S.P.	Performance Assessment of DEM Vertical Sensitivity on Two-Dimensional Hydrodynamic Simulation in an Alluvial Tributary Floodplain of the Brahmaputra Lower Basin in India	2023	Iranian Journal of Science and Technology - Transactions of Civil Engineering	47	6	3935	3948	13	10.1007/s40996-023-01149-z	Springer Science and Business Media Deutschland GmbH	22286160		Scopus
576	Article	Bhattacharya S.; Pradhan D.; Lahiri J.	Dynamics of pseudofeebly interacting massive particles in presence of thermal dark matter	2023	Physical Review D	108	11				10.1103/PhysRevD.108.L111702	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
577	Article	Shafeeque M.; Mathew A.; Nandy M.K.	Maximal mass of the neutron star with a deconfined quark core	2023	Journal of Astrophysics and Astronomy	44	2				10.1007/s12036-023-09957-5	Springer	2506335	All Open Access; Green Open Access	Scopus
578	Article	Nayak N.; Ravi S.	Investigation of conventional exchange bias in (Nd1-xHox)2CoMnO6 (x = 0.0–0.4) double perovskite	2023	Solid State Sciences	146					10.1016/j.solidstatesciences.2023.107370	Elsevier Masson s.r.l.	12932558		Scopus
579	Article	Sharma G.; Dawo C.; Kumawat U.K.; Saini S.K.; Singhal R.K.; Lal C.	Revealing the relaxation kinetics of curcumin based dye-sensitized solar cell	2023	Materials Science and Engineering: B	298					10.1016/j.mseb.2023.116905	Elsevier Ltd	9215107		Scopus

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580	Article	Das T.; Das S.; Das D.	Fabrication of core–shell beads, hollow capsules, and AuNP-embedded catalytic beads from an ultrasmall peptide hydrogel	2023	Chemical Engineering Journal	477					10.1016/j.cej.2023.147105	Elsevier B.V.	13858947		Scopus
581	Article	Sinha A.K.; Talukdar S.	Rehabilitation of RC Beams with Web Openings Using Alkali-Activated Fiber-Reinforced U-Jacket	2023	Journal of Performance of Constructed Facilities	37	6				10.1061/JPCFEV.CFENG-4487	American Society of Civil Engineers (ASCE)	8873828		Scopus
582	Article	Naqvi A.A.; Gupta V.K.; Das S.	On frequency-domain estimation of increase in design yield force levels of SDOF structures due to multiplicity of earthquake events	2023	Earthquake Engineering and Resilience	2	4	458	478	20	10.1002/eer2.54	John Wiley and Sons Inc	27705706		Scopus
583	Article	Kumar A.; Deb D.; Das S.; Das P.	edAttack: Hardware Trojan Attack on On-Chip Packet Compression	2023	IEEE Design and Test	40	6	125	135	10	10.1109/MDAT.2023.3306718	IEEE Computer Society	21682356		Scopus
584	Article	Behera P.P.; Mehta S.K.; Arun R.K.; Mondal P.K.	Solute imbibition in paper strip: Pore-scale insights into the concentration-dependent permeability	2023	Physics of Fluids	35	12				10.1063/5.0177100	American Institute of Physics Inc.	10706631		Scopus
585	Article	Gangolu J.; Kishore K.B.; Sharma H.	Probabilistic demand models and reliability based code calibration for reinforced concrete column and beam subjected to blast loading	2023	Reliability Engineering and System Safety	240					10.1016/j.res.2023.109577	Elsevier Ltd	9518320		Scopus
586	Article	Kumar R.; Davis E.; Kalita N.; Choudhury D.; Shunmugam R.	4-Vinylpyridine derived physically crosslinked hydrogel as efficient mercury indicator	2023	Polymer Engineering and Science	63	12	4118	4126	8	10.1002/pen.26512	John Wiley and Sons Inc	323888		Scopus
587	Article	Mishra D.; Minz M.; Sonkar R.K.	Subwavelength grating-based silicon photonic TE mode division multiplexer for C + L band operation	2023	Nano Communication Networks	38					10.1016/j.nancom.2023.100467	Elsevier B.V.	18787789		Scopus
588	Article	Bharadwaj M.; Rai S.; Gaur A.	Color tunable upconversion luminescence from ex-situ sol-gel derived Titania-Silicate dense glass-ceramic co-doped with Pr3+-Yb3+ ion pair	2023	Optical Materials	146					10.1016/j.optmat.2023.114492	Elsevier B.V.	9253467		Scopus
589	Article	Yadav K.S.; Dalal D.C.	Penetration and distribution efficacy of chemotherapeutic drugs in biological tissues: A computational investigation	2023	Mathematics and Computers in Simulation	214		152	171	19	10.1016/j.matcom.2023.06.025	Elsevier B.V.	3784754		Scopus
590	Article	Bora K.; Sarma M.; Kanaujia S.P.; Dubey V.K.	Dual-target drugs against Leishmania donovani for potential novel therapeutics	2023	Scientific Reports	13	1				10.1038/s41598-023-45448-x	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
591	Article	Sharma A.; Kumar H.; Kumar B.	One-Dimensional Velocity Distribution in Seepage Bed Open Channels Using Tsallis Entropy	2023	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering	9	4				10.1061/AJRU6.RUENG-1041	American Society of Civil Engineers (ASCE)	23767642		Scopus

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592	Article	Majumder S.; Das S.; Agrawal V.K.; Nandi A.	Unveiling the accretion scenario of BH-ULXs using XMM-Newton observations	2023	Monthly Notices of the Royal Astronomical Society	526	2	2086	2103	17	10.1093/mnras/stad2889	Oxford University Press	358711		Scopus
593	Article	Ali N.A.; Dash K.K.	Modified lotus seed starch and red turnip peel extract based pH responsive edible films	2023	Food Packaging and Shelf Life	40					10.1016/j.fpsl.2023.101182	Elsevier Ltd	22142894		Scopus
594	Article	Dang Y.; Imaizumi T.; Nishizu T.; Anandalakshmi R.; Katsuno N.	Effect of the addition of pregelatinized rice starch paste on the retrogradation of rice starch gel	2023	Food Hydrocolloids	145					10.1016/j.foodhyd.2023.109159	Elsevier B.V.	0268005X	All Open Access; Bronze Open Access	Scopus
595	Article	Goswami S.S.P.; Trivedi G.	FPGA Implementation of Modified SNOW 3G Stream Ciphers Using Fast and Resource Efficient Substitution Box	2023	IEEE Embedded Systems Letters	15	4	238	241	3	10.1109/LES.2023.3298743	Institute of Electrical and Electronics Engineers Inc.	19430663		Scopus
596	Article	Moatoshi; Sarma S.; Borah J.P.	Enhancing structural and magnetic properties of BaFe12O19 nanoparticles through co-substitution (Co-Mn): A promising approach for permanent magnet applications	2023	Physica Scripta	98	12				10.1088/1402-4896/ad0c91	Institute of Physics	318949		Scopus
597	Article	Wani K.M.; Uppaluri R.V.S.	Comparative efficacy of ultrasound-assisted and hot water extraction of papaya leaves	2023	Journal of Herbal Medicine	42					10.1016/j.hermed.2023.100809	Elsevier GmbH	22108033		Scopus
598	Data paper	Bhattacharya D.; Sharma N.K.; Dutta D.; Chetupalli S.R.; Mote P.; Ganapathy S.; Chandrakiran C.; Nori S.; Suhail K.K.; Gonuguntla S.; Alagesan M.	Coswara: A respiratory sounds and symptoms dataset for remote screening of SARS-CoV-2 infection	2023	Scientific Data	10	1				10.1038/s41597-023-02266-0	Nature Research	20524463	All Open Access; Gold Open Access; Green Open Access	Scopus
599	Article	BISWAS S.; Singh BISHT G.; ALAGARSAMY P.; SRINIVASAN A.	Roles of solidification rate and Co substitution for Cr on single phase ordered Fe2CrSi alloy formation	2023	Journal of Magnetism and Magnetic Materials	587					10.1016/j.jmmm.2023.171241	Elsevier B.V.	3048853		Scopus
600	Article	Janveja M.; Sharma A.K.; Bhardwaj A.; Pidanic J.; Trivedi G.	An Optimized Low-Power VLSI Architecture for ECG/VCG Data Compression for IoHT Wearable Device Application	2023	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	31	12	2008	2015	7	10.1109/TVLSI.2023.3314611	Institute of Electrical and Electronics Engineers Inc.	10638210		Scopus
601	Article	Shweta S.; Kundu D.	Screening of ionic liquids and deep eutectic solvents for the extraction of persistent organic pollutants from edible oils and fat	2023	Journal of Molecular Liquids	390					10.1016/j.molliq.2023.123201	Elsevier B.V.	1677322		Scopus
602	Review	Farooq R.	Mapping the field of knowledge management: a bibliometric analysis using R	2023	VINE Journal of Information and Knowledge Management Systems	53	6	1178	1206	28	10.1108/VJIKMS-06-2021-0089	Emerald Publishing	20595891		Scopus

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603	Article	Behera B.K.; Arandhara P.J.; Porashar B.; Bora S.K.; Saikia A.K.	Base-Promoted [4 + 2] Annulation Reaction of In Situ-Generated Azadienes from N-Propargylamines with Active Methylene Compounds: Access to Highly Functionalized 2-Pyridones	2023	Journal of Organic Chemistry	88	21	15041	15059	18	10.1021/acs.joc.3c01478	American Chemical Society	223263		Scopus
604	Article	Singh Gangwar M.; Agarwal P.	Growth dynamics and its correlation with plasmonic properties of silver nanoparticles grown by solid state dewetting	2023	Materials Research Bulletin	167					10.1016/j.materresbull.2023.112380	Elsevier Ltd	255408		Scopus
605	Article	Singh R.; Tiwari S.; Jena J.; Kar R.K.	Characterization of Graphene Variants Using Spectroscopic and Electrochemical Analysis	2023	Journal of Chemical Education	100	11	4462	4471	9	10.1021/acs.jchemed.3c00605	American Chemical Society	219584		Scopus
606	Article	Kamisetty A.; Gandhi I.S.R.; Kumar A.	Combined effect of fly ash and fiber on spreadability, strength and water permeability of foam concrete	2023	Journal of Building Engineering	78					10.1016/j.jobe.2023.107607	Elsevier Ltd	23527102		Scopus
607	Article	Sarma M.P.; Sarma K.K.; Barman P.	An Optimized and Highly Efficient Low Power RF Energy Harvesting System with Current Boost Technique Designed using 45 nm Technology	2023	Applied Energy	350					10.1016/j.apenergy.2023.121756	Elsevier Ltd	3062619		Scopus
608	Article	Tarai U.K.; Pal S.; Robi P.S.	Reduction of ASZ size and enhancement of mechanical properties of TLP bonded IN718 joint using post bond heat treatment process	2023	International Journal of Advanced Manufacturing Technology	129	#####	1425	1442	17	10.1007/s00170-023-12386-x	Springer Science and Business Media Deutschland GmbH	2683768		Scopus
609	Article	Gopal R.; Kumari C.; Manam J.	Development of SrWO4:Ho3+/Yb3+ green phosphor for optical thermometry application	2023	Physical Chemistry Chemical Physics	25	46	32184	32195	11	10.1039/d3cp04574a	Royal Society of Chemistry	14639076		Scopus
610	Article	Dey B.; Narzary R.; Rout S.N.; Kar M.; Ravi S.; Srivastava S.K.	Room temperature ferromagnetism, optical band gap widening in Mg-doped ZnO compounds for spintronics applications	2023	Ceramics International	49	22	35860	35871	11	10.1016/j.ceramint.2023.08.267	Elsevier Ltd	2728842		Scopus
611	Article	Keot N.; Sarma M.	Probing the dynamic behaviour and magnetic identification of seven coordinated Mn(ii) complexes: a combined AIMD and multi-reference approach	2023	Physical Chemistry Chemical Physics	25	45	31165	31177	12	10.1039/d3cp04072k	Royal Society of Chemistry	14639076		Scopus
612	Article	Maruthi R.; Singh S.; Ghosh S.; Seehra M.S.; Weise B.; Prellier W.; Thota S.	Magnetic structure and field-induced transitions in the triangular spin-1 antiferromagnet NiNb2 O6: Observation of a triple point	2023	Physical Review B	108	22				10.1103/PhysRevB.108.224430	American Physical Society	24699950		Scopus
613	Article	Patel P.K.; Pandey L.M.; Uppaluri R.V.S.	Synthesized carboxymethyl-chitosan variant composites for cyclic adsorption-desorption based removal of Fe, Pb, and Cu	2023	Chemosphere	340					10.1016/j.chemosphere.2023.139780	Elsevier Ltd	456535		Scopus

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614	Article	Karnajit Singh H.; Mohapatra P.P.; Pandey S.; Dobbidi P.	Unlocking the potential of hexaferrite-spinel ferrite composites: Microstructure-induced colossal permittivity and relaxation phenomena	2023	Journal of Applied Physics	134	19				10.1063/5.0168293	American Institute of Physics Inc.	218979		Scopus
615	Article	Rajan M.; Choksey M.; Jose J.	Secure Routing Framework for Mitigating Time-Delay Trojan Attack in System-on-Chip	2023	Journal of Systems Architecture	144					10.1016/j.sysarc.2023.103006	Elsevier B.V.	13837621		Scopus
616	Article	Maji S.; Natesan S.	Nonsymmetric interior penalty Galerkin method for nonlinear time-fractional integro-partial differential equations	2023	Mathematics and Computers in Simulation	213		1	17	16	10.1016/j.matcom.2023.05.020	Elsevier B.V.	3784754		Scopus
617	Article	Sathyan A.; Koley S.; Khwairakpam M.; Kalamdhad A.S.	Effect of thermal pretreatments on biogas production and methane yield from anaerobic digestion of aquatic weed biomass Hydrilla verticillata	2023	Biomass Conversion and Biorefinery	13	17	16273	16284	11	10.1007/s13399-023-04890-7	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
618	Article	Radhika E.; Dobbidi P.	XPS and dielectric studies of phase pure AlN-BN composite ceramics using powder bed	2023	Materials Science and Engineering: B	297					10.1016/j.mseb.2023.116783	Elsevier Ltd	9215107		Scopus
619	Article	Nath J.; Baruah J.B.	E- or Z-Isomers Arising from the Geometries of Ligands in the Mercury Complex of 2-(Anthracen-9-ylmethylene)-N-phenylhydrazine Carbothioamide	2023	ACS Omega	8	45	42827	42839	12	10.1021/acsomega.3c05806	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
620	Article	Behera P.K.; Yadav K.; Patra A.; Gupta R.K.; Rao D.S.S.; Kumar S.; Pandey U.K.; Achalkumar A.S.	Highly Soluble Ambipolar anti-Perylene-3,4 : 9,10-bis(benzimidazole)s Stabilize a Room-Temperature Columnar Hexagonal Phase	2023	Chemistry - A European Journal	29	61				10.1002/chem.202302187	John Wiley and Sons Inc	9476539		Scopus
621	Article	Kumar R.; Deka B.	Optimal A Priori Error Estimates for Elliptic Interface Problems: Weak Galerkin Mixed Finite Element Approximations	2023	Journal of Scientific Computing	97	2				10.1007/s10915-023-02333-z	Springer	8857474		Scopus
622	Article	Dey A.; Basumatary H.; Hazarika S.M.	A Decade of Haptic Feedback for Upper Limb Prostheses	2023	IEEE Transactions on Medical Robotics and Bionics	5	4	793	810	17	10.1109/TMRB.2023.3310045	Institute of Electrical and Electronics Engineers Inc.	25763202		Scopus
623	Article	Kumar R.; Deka B.	Weak Galerkin finite element methods with and without stabilizers for H(div; Ω)-elliptic problems	2023	ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik	103	11				10.1002/zamm.202200207	John Wiley and Sons Inc	442267		Scopus
624	Article	Sharma V.K.; Chakraborty G.; Narendren S.; Katiyar V.	Fabrication and characterization of conductive electrospun nanofiber mats of carbon nanofiber/poly(vinyl alcohol)/poly(lactic acid) ternary nanocomposites for flexible electronics applications	2023	Materials Advances	4	23	6294	6303	9	10.1039/d3ma00670k	Royal Society of Chemistry	26335409	All Open Access; Gold Open Access	Scopus
625	Article	Sahoo L.; Satpathy J.K.; Yadav R.; de Visser S.P.; Sastri C.V.	Equatorial Perturbation Driven Reaction Bifurcation in Non-Heme Iron Complexes for Chlorite Oxidation	2023	European Journal of Inorganic Chemistry	26	33				10.1002/ejic.202300380	John Wiley and Sons Inc	14341948		Scopus

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626	Article	Mallick R.; Vairakannu P.	Experimental investigation of acrylonitrile butadiene styrene plastics plasma gasification	2023	Journal of Environmental Management	345					10.1016/j.jenvman.2023.118655	Academic Press	3014797		Scopus
627	Article	Ghosal S.; Bora A.; Giri P.K.	Evidence of oxygen vacancy-mediated ultrahigh SERS sensitivity of Niobium pentoxide nanoparticles through defect engineering: theoretical and experimental studies	2023	Nanoscale	16	1	309	321	12	10.1039/d3nr04112c	Royal Society of Chemistry	20403364		Scopus
628	Article	Devi D.; Sarma A.K.	Flow Assessment Downstream of a Hydroelectric Project in an Ungauged Area	2023	Journal of Hydrologic Engineering	28	11				10.1061/JHYEFF.HEENG-6050	American Society of Civil Engineers (ASCE)	10840699		Scopus
629	Article	Biswas S.; Shit S.; Behera B.K.; Sahu A.K.; Saikia A.K.	Leveraging cascade alkynyl Prins cyclization towards the stereoselective synthesis of spiro-furan quinoxalinone scaffolds	2023	Chemical Communications	59	96	14301	14304	3	10.1039/d3cc04464e	Royal Society of Chemistry	13597345		Scopus
630	Article	Kumar L.; Dey D.; Panda B.; Muthu N.	Experimental and numerical evaluation of multi-directional compressive and flexure behavior of three-dimensional printed concrete	2023	Frontiers of Structural and Civil Engineering	17	11	1643	1661	18	10.1007/s11709-023-0004-z	Higher Education Press Limited Company	20952430		Scopus
631	Article	Biswas S.; Pattader P.S.G.; Mandal T.K.	Droplet splitting in multi-furcating microchannel: A three-dimensional numerical simulation study	2023	Canadian Journal of Chemical Engineering	101	11	6641	6655	14	10.1002/cjce.24918	John Wiley and Sons Inc	84034	All Open Access; Bronze Open Access	Scopus
632	Article	Pisharody G.R.; Sahoo P.; Shankar Rao D.S.; Ramakrishna Matte H.S.S.; Sikdar D.; Krishna Prasad S.	IR regulation through preferential placement of h-BN nanosheets in a polymer network liquid crystal	2023	Materials Horizons	11	2	554	565	11	10.1039/d3mh01467c	Royal Society of Chemistry	20516347		Scopus
633	Article	Shukla S.S.; Murthy K.S.R.K.	A study on the effect of different Paris constants in mixed mode (I/II) fatigue life prediction in Al 7075-T6 alloy	2023	International Journal of Fatigue	176					10.1016/j.ijfatigue.2023.107895	Elsevier Ltd	1421123		Scopus
634	Article	Das P.J.; Deb S.K.	Experimental Study of Newly Developed Hybrid Buckling-Restrained Brace with Different Infill-Layer Geometries under Cyclic Loading	2023	Practice Periodical on Structural Design and Construction	28	4				10.1061/PPSCFX.SCENG-1316	American Society of Civil Engineers (ASCE)	10840680		Scopus
635	Article	Karlapudi S.; Govinda V.; Koralkar N.; Siva Kumar K.; Bahadur I.	Intra- and Inter-molecular Interactions between 1-Alkanol and Benzonitrile: Computational and Thermodynamic Study	2023	Journal of Chemical and Engineering Data	68	11	2752	2766	14	10.1021/acs.jced.2c00393	American Chemical Society	219568		Scopus
636	Article	Mishra M.; Dutta K.; Kshetrimayum R.S.; Sharawi M.S.; Kishk A.A.; Chaudhuri S.; Bhunia S.	Mutual Coupling Reduction between Two Tightly Packed Half-Split Cylindrical Dielectric Resonator Antennas	2023	IEEE Transactions on Antennas and Propagation	71	12	9974	9979	5	10.1109/TAP.2023.3325205	Institute of Electrical and Electronics Engineers Inc.	0018926X		Scopus
637	Article	Kumar R.; Deka B.	High-order weak Galerkin scheme for H(div)-elliptic interface problems	2023	Journal of Computational and Applied Mathematics	432					10.1016/j.cam.2023.115269	Elsevier B.V.	3770427		Scopus
638	Article	Sarmah P.; Chakraborty S.; Tamborra I.; Auchettl K.	Gamma rays and neutrinos from supernovae of type Ib and Ic with late time emission	2023	Physical Review D	108	10				10.1103/PhysRevD.108.103033	American Physical Society	24700010		Scopus

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639	Article	Verma K.; Mishra M.; Maharana P.K.; Bhattacharyya H.; Saha S.; Punniyamurthy T.	Sc(OTf)3-Catalyzed Domino C-C/C-N Bond Formation of Aziridines with Quinones via Radical Pathway	2023	Organic Letters	25	43	7933	7938	5	10.1021/acs.orglett.3c03318	American Chemical Society	15237060		Scopus
640	Article	Malakar B.; Das D.; Mohanty K.	Utilization of Chlorella Biomass Grown in Waste Peels-Based Substrate for Simultaneous Production of Biofuel and Value-Added Products Under Microalgal Biorefinery Approach	2023	Waste and Biomass Valorization	14	11	3589	3601	12	10.1007/s12649-023-02058-y	Springer Science and Business Media B.V.	18772641		Scopus
641	Article	Teli Y.A.; Reetu R.; Singh P.G.; Patel M.J.; Dash S.; Paine S.; Prabhakar P.S.; Singh V.; Keremane K.S.; Al-Zaqri N.; Mukherjee K.; Dutta S.; Malakar C.C.	Synthesis and Characterization of Novel Pd@rGO–CuFe2O4 Magnetic Nanoparticles: A Recyclable Catalyst for C–C Coupling Reaction in Biomass-Derived Organic Solvent	2023	Asian Journal of Organic Chemistry	12	12				10.1002/ajoc.202300481	John Wiley and Sons Inc	21935807		Scopus
642	Article	Faraz S.; Ali A.; Taleb Khan A.	FeCl3-catalyzed regioselective ring-opening of aryl oxirane with 4-hydroxycoumarin for the synthesis of furo[3,2-c]coumarins	2023	Organic and Biomolecular Chemistry	22	1	95	105	10	10.1039/d3ob01721d	Royal Society of Chemistry	14770520		Scopus
643	Article	Han J.W.; Sai P.; But D.B.; Uykur E.; Winnerl S.; Kumar G.; Chin M.L.; Myers-Ward R.L.; Dejarld M.T.; Daniels K.M.; Murphy T.E.; Knap W.; Mittendorff M.	Strong transient magnetic fields induced by THz-driven plasmons in graphene disks	2023	Nature Communications	14	1				10.1038/s41467-023-43412-x	Nature Research	20411723	All Open Access; Gold Open Access; Green Open Access	Scopus
644	Article	Chowdhury A.; Bhan C.; Rao Peela N.; Kumar Golder A.	A simple template-free bioinspired route of 1D Bi2S3 nanorods synthesis for electrochemical CO2 reduction to formate	2023	Journal of Industrial and Engineering Chemistry	127		138	148	10	10.1016/j.jiec.2023.06.055	Korean Society of Industrial Engineering Chemistry	1226086X		Scopus
645	Article	Mehta S.K.; Mondal P.K.	Vortex-assisted electroosmotic mixing of Carreau fluid in a microchannel	2023	Electrophoresis	44	21-22	1629	1636	7	10.1002/elps.202200258	John Wiley and Sons Inc	1730835		Scopus
646	Article	Pegu O.A.; Moral R.; Das G.	Anion-Induced Intramolecular Cyclization of Urea-Based Receptors: Entrapment of Cyclic [SO4(H2O)42-]n Cluster and Encapsulation of Anions with Varied Dimensionality	2023	Crystal Growth and Design	23	11	8370	8380	10	10.1021/acs.cgd.3c01029	American Chemical Society	15287483		Scopus
647	Article	Paul S.; Chattopadhyay A.	Single Phase Transition Leads to the Nanoparticle Deposition in an Evaporating Sessile Droplet	2023	Journal of Physical Chemistry C	127	45	22401	22411	10	10.1021/acs.jpcc.3c06029	American Chemical Society	19327447	All Open Access; Green Open Access	Scopus
648	Article	Gogoi A.; Baithy M.; Navgire M.; Gogoi N.; Borgohain C.; Kamal Senapati K.; Sarmah J.K.; Kim J.; Gogoi P.	Development of Highly Efficient Heterogeneous Fe3O4-Biochar Nanocomposite as Fenton-like Catalysts for Degradation of Fast Green	2023	ChemistrySelect	8	41				10.1002/slct.202302553	John Wiley and Sons Inc	23656549		Scopus

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649	Article	Andrabi A.B.; Mallajosyula A.T.	Unraveling trap distribution in perovskite films: A qualitative analysis via diffusion to drift transition voltage of current–voltage characteristics	2023	Solar Energy	264					10.1016/j.solener.2023.112020	Elsevier Ltd	0038092X		Scopus
650	Article	Sarkar A.; Mandal A.; Adhikary A.; Chakraborty T.; Rana S.; Samanta D.; Das D.	Role of Labile Methanol on the Bio-inspired Catalytic Activity of a Zn(II)-based Compound: An Experimental and Theoretical Investigation	2023	Chemistry - An Asian Journal	18	22				10.1002/asia.202300654	John Wiley and Sons Ltd	18614728		Scopus
651	Article	Khatin-Zadeh O.; Banaruee H.; Reali F.; Tirado C.; Ruiz-Fernández S.; Yamada Y.; Wang R.; Nicolas R.; Khwaileh T.; Szychowska M.; Vestlund J.; Correa J.C.; Farsani D.; Butcher N.; Som B.; Volkonskii I.; Plevoets K.; Marmolejo-Ramos F.	Metaphors of time across cultures	2023	Journal of Cultural Cognitive Science	7	3	219	231	12	10.1007/s41809-023-00125-3	Springer	25201018	All Open Access; Green Open Access	Scopus
652	Article	Mehta S.K.; Mondal P.K.	Viscoelectric effect on the chemiosmotic flow in charged soft nanochannels	2023	Physics of Fluids	35	11				10.1063/5.0171806	American Institute of Physics Inc.	10706631		Scopus
653	Article	Das N.; Das S.J.; Borah D.	Thermalized dark radiation in the presence of a PBH: Δ Neff and gravitational waves complementarity	2023	Physical Review D	108	9				10.1103/PhysRevD.108.095052	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
654	Article	Tat S.A.; Muthukumar P.; Mondal P.K.	Design, development and performance investigations of a latent heat storage with PCM encapsulation	2023	Journal of Energy Storage	72					10.1016/j.est.2023.108695	Elsevier Ltd	2352152X		Scopus
655	Article	Zaray A.H.; Hasan A.; Johari S.; Hashmat P.A.; Jha K.N.	Client and contractor perspectives on attributes affecting construction quality in a war-affected region	2023	Engineering, Construction and Architectural Management	30	10	4762	4781	19	10.1108/ECAM-01-2022-0059	Emerald Publishing	9699988		Scopus
656	Article	Balmuchu S.P.; Radhika E.; Dobbidi P.	The impact of oxygen partial pressure in modifying energy storage property of lanthanum doped multiferroic bismuth ferrite thin films deposited via pulsed laser deposition	2023	Journal of Energy Storage	71					10.1016/j.est.2023.108179	Elsevier Ltd	2352152X		Scopus
657	Review	Kashyap I.; Deb R.; Battineni A.; Nagotu S.	Acyl CoA oxidase: from its expression, structure, folding, and import to its role in human health and disease	2023	Molecular Genetics and Genomics	298	6	1247	1260	13	10.1007/s00438-023-02059-5	Springer Science and Business Media Deutschland GmbH	16174615		Scopus
658	Article	Chand K.; Laskar D.N.; Sharma M.; De A.K.	Effect of isothermal rough boundaries on the statistics of velocity and temperature fluctuations in turbulent Rayleigh-Bénard convection	2023	Physics of Fluids	35	11				10.1063/5.0169955	American Institute of Physics Inc.	10706631	All Open Access; Bronze Open Access	Scopus

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659	Article	Farooq R.	Employee exit and its relationship with multidimensional knowledge retention: the moderating role of organizational structure	2023	VINE Journal of Information and Knowledge Management Systems	53	6	1207	1230	23	10.1108/VJIKMS-06-2021-0093	Emerald Publishing	20595891		Scopus
660	Article	Talpada N.; Sharma A.S.; Sharma V.S.; Varma R.S.; Shrivastav P.S.; Ahmed R.; Ammathnadu Sudhakar A.	Visible light mediated synthesis of 1,3-diarylated imidazo[1,5-a]pyridines via oxidative amination of C-H catalyzed by graphitic carbon nitride	2023	Organic and Biomolecular Chemistry	21	48	9552	9561	9	10.1039/d3ob01636f	Royal Society of Chemistry	14770520		Scopus
661	Article	Bhattarai S.; Hossain M.K.; Madan J.; Pandey R.; Samajdar D.P.; Kalita P.K.; Rashed A.N.Z.; Ansari M.Z.; Amami M.	Performance improvement of CZTS-based hybrid solar cell with double hole transport layer using extensive simulation	2023	Journal of Physics and Chemistry of Solids	183					10.1016/j.jpcs.2023.111641	Elsevier Ltd	223697		Scopus
662	Article	Mahata D.; Srivastava M.; Srinivasan A.	Synthesis and Characterization of Single Phase γ -Co46-xNi22+xAl32 (x = 0, 10, 20) Heusler Alloy Nanoparticles	2023	IEEE Transactions on Magnetics	59	11				10.1109/TMAG.2023.3281150	Institute of Electrical and Electronics Engineers Inc.	189464		Scopus
663	Article	Bhattarai S.; Borah D.; Rout J.; Pandey R.; Madan J.; Hossain I.; Handique P.; Ansari M.Z.; Hossain M.K.; Rahman M.F.	Designing an efficient lead-free perovskite solar cell with green-synthesized CuCrO2 and CeO2 as carrier transport materials	2023	RSC Advances	13	49	34693	34702	9	10.1039/d3ra06722j	Royal Society of Chemistry	20462069		Scopus
664	Article	Yukta N.; Chavan R.D.; Mahapatra A.; Prochowicz D.; Yadav P.; Iyer P.K.; Satapathi S.	Improved Efficiency and Stability in 1,5-Diaminonaphthalene Iodide-Passivated 2D/3D Perovskite Solar Cells	2023	ACS Applied Materials and Interfaces	15	46	53351	53361	10	10.1021/acsami.3c09887	American Chemical Society	19448244		Scopus
665	Article	Mehta S.K.; Mondal P.K.	AC Electrothermal Effect Promotes Enhanced Solute Mixing in a Wavy Microchannel	2023	Langmuir	39	47	16797	16806	9	10.1021/acs.langmuir.3c02150	American Chemical Society	7437463		Scopus
666	Article	Mazhar S.; Atif N.; Bhuyan M.K.; Ahamed S.R.	Block attention network: A lightweight deep network for real-time semantic segmentation of road scenes in resource-constrained devices	2023	Engineering Applications of Artificial Intelligence	126					10.1016/j.engappai.2023.107086	Elsevier Ltd	9521976		Scopus
667	Article	Venu Gopala Kumari S.; Gupta S.P.A.; Pakshirajan K.; Pugazhenth G.	Facile fabrication and characterization of novel polyvinyl alcohol/polyethylene glycol/aluminum nitride nanocomposites	2023	Polymer Engineering and Science	63	11	3855	3864	9	10.1002/pen.26491	John Wiley and Sons Inc	323888		Scopus
668	Article	Thejaswini N.; Annapureddy P.K.R.; Rammohan D.; Kishore N.	Kinetics and thermodynamics of non-isothermal pyrolysis of Terminalia chebula branches at different heating rates	2023	International Journal of Chemical Kinetics	55	11	673	687	14	10.1002/kin.21677	John Wiley and Sons Inc	5388066		Scopus
669	Article	Kumar N.; Basu D.N.	Thermalhydraulic assessment and design optimization of incorporating flow obstructors in a supercritical minichannel heat sink	2023	Applied Energy	349					10.1016/j.apenergy.2023.121666	Elsevier Ltd	3062619		Scopus

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670	Article	Singh R.; Kumar R.; Roy A.; Behera P.M.; Atri A.K.; Kumar K.; Manna D.; Dixit A.; Patil M.T.; Mankamna Kumari R.; Nimesh S.; Salunke D.B.	Imidazo[2,1-b]thiazole based indoleamine-2,3-dioxygenase 1 (IDO1) inhibitor: Structure based design, synthesis, bio-evaluation and docking studies	2023	Bioorganic and Medicinal Chemistry Letters	96					10.1016/j.bmcl.2023.129532	Elsevier Ltd	0960894X		Scopus
671	Article	Kumar A.; Komandur J.; Chaudhary V.; Mohanty K.	Catalytic Co-Pyrolysis of Mesua ferrea L. De-Oiled Cake and Garlic Husk in the Presence of Red-Mud-Based Catalysts	2023	Catalysts	13	11				10.3390/catal13111401	Multidisciplinary Digital Publishing Institute (MDPI)	20734344	All Open Access; Gold Open Access	Scopus
672	Article	Assegie M.A.; Siram O.; Sahoo N.; Kalita P.	Thermo-Physical Characterization of Waste-Glass-Induced Packed Bed Material as Thermal Energy Storage Device for Compressed Air Energy Storage System	2023	Journal of Thermal Science and Engineering Applications	15	11				10.1115/1.4063098	American Society of Mechanical Engineers (ASME)	19485085		Scopus
673	Article	Saha M.; Ghosh S.S.	Targeting tumor microenvironment of metastatic triple negative breast cancer cells via exosomes derived from non-invasive breast cancer cells for multi-drug resistance inhibition and enhancing drug susceptibility	2023	Journal of Drug Delivery Science and Technology	89					10.1016/j.jddst.2023.105028	Editions de Sante	17732247		Scopus
674	Article	Choudhury K.; Chattopadhyay A.; Ghosh S.S.	Therapeutic Targeting of Lung Adenocarcinoma with Mannose-Coated Chitosan/Copper Nanocluster-Levocetirizine Nanocomposite	2023	ACS Applied Nano Materials	6	22	21371	21384	13	10.1021/acsanm.3c04868	American Chemical Society	25740970		Scopus
675	Article	Kumar N.; Deka B.	A numerical method for analysis and simulation of diffusive viscous wave equations with variable coefficients on polygonal meshes	2023	Calcolo	60	4				10.1007/s10092-023-00541-5	Springer International Publishing	80624		Scopus
676	Article	Mandal S.; Paul T.; Karjee P.; Barman M.; Punniyamurthy T.	Site-Selective C8-Alkylation of Quinolines with Cyclopropanols: Merging C-H/C-C Bond Activation	2023	Organic Letters	25	43	7805	7809	4	10.1021/acs.orglett.3c02972	American Chemical Society	15237060		Scopus
677	Article	Dawo C.; Krishnan Iyer P.; Chaturvedi H.	Carbon nanotubes/PANI composite as an efficient counter electrode material for dye sensitized solar cell	2023	Materials Science and Engineering: B	297					10.1016/j.mseb.2023.116722	Elsevier Ltd	9215107		Scopus
678	Article	Dahiya D.; Laishram B.	Energy analysis of high-rise residential buildings under demolition using controlled explosion: An Indian case study	2023	Journal of Cleaner Production	426					10.1016/j.jclepro.2023.139190	Elsevier Ltd	9596526		Scopus
679	Article	Prasad A.; Bhasney S.M.; Prasannavenkadesan V.; Sankar M.R.; Katiyar V.	Nano-hydroxyapatite reinforced polylactic acid bioabsorbable cancellous screws for bone fracture fixations	2023	Journal of Applied Polymer Science	140	43				10.1002/app.54577	John Wiley and Sons Inc	218995		Scopus
680	Article	Balmuchu S.P.; Pathak R.; Dobbidi P.	Composition-driven (barium titanate based ceramics) pseudo-binary system for energy storage applications through ferroelectric studies	2023	Applied Physics A: Materials Science and Processing	129	11				10.1007/s00339-023-07067-1	Springer Science and Business Media Deutschland GmbH	9478396		Scopus

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681	Article	Talukdar G.; Bhattacharjya R.K.; Sarma A.K.	Understanding the effect of long term and short term hydrological components on landscape ecosystem	2023	Ecological Informatics	77					10.1016/j.ecoinf.2023.102267	Elsevier B.V.	15749541		Scopus
682	Review	Hazarika J.; Gupta A.; Rajaraman P.V.	Review—Post-Chemical Mechanical Planarization Cleaning Technology	2023	ECS Journal of Solid State Science and Technology	12	11				10.1149/2162-8777/acfc64	Institute of Physics	21628769		Scopus
683	Article	Pramanick S.; Samala S.V.; Pattanayak D.; Mandal P.S.	Distributed algorithms for filling MIS vertices of an arbitrary graph by myopic luminous robots	2023	Theoretical Computer Science	978					10.1016/j.tcs.2023.114187	Elsevier B.V.	3043975		Scopus
684	Article	Kumar S.S.; Muthu N.	Generalized displacement control technique for mode I/II fracture problems using cohesive zone model within a modified element-free Galerkin framework	2023	Fatigue and Fracture of Engineering Materials and Structures	46	11	4119	4141	22	10.1111/ffe.14118	John Wiley and Sons Inc	8756758X		Scopus
685	Article	Sufian A.; Badirujjaman M.; Barman P.; Bhabak K.P.	Dual-Stimuli-Activatable Hybrid Prodrug for the Self-Immolative Delivery of an Anticancer Agent and Hydrogen Sulfide with Turn-On Fluorescence	2023	Chemistry - A European Journal	29	66				10.1002/chem.202302197	John Wiley and Sons Inc	9476539		Scopus
686	Article	Gond A.K.; Dalal A.; Basu D.N.	Thermalhydraulic characterization and feasibility assessment of double-cooled annular channel under supercritical heat transfer	2023	International Journal of Thermal Sciences	193					10.1016/j.ijthermalsci.2023.108508	Elsevier Masson s.r.l.	12900729		Scopus
687	Article	Halder A.; Biswas D.; Chauhan A.; Saha A.; Auromahima S.; Yadav D.; Nissa M.U.; Iyer G.; Parihari S.; Sharma G.; Epari S.; Shetty P.; Moiyadi A.; Ball G.R.; Srivastava S.	A large-scale targeted proteomics of serum and tissue shows the utility of classifying high grade and low grade meningioma tumors	2023	Clinical Proteomics	20	1				10.1186/s12014-023-09426-9	BioMed Central Ltd	15426416	All Open Access; Gold Open Access; Green Open Access	Scopus
688	Review	Mukherjee P.; Raj N.; Sivaprakasam S.	Harnessing valorization potential of whey permeate for D-lactic acid production using lactic acid bacteria	2023	Biomass Conversion and Biorefinery	13	17	15639	15658	19	10.1007/s13399-023-05038-3	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
689	Article	Kandpal S.; Bora S.N.	Analytical Solution for Linearized Saint-Venant Equations with a Uniformly Distributed Lateral Inflow in a Finite Rectangular Channel	2023	Water Resources Management	37	14	5655	5676	21	10.1007/s11269-023-03623-9	Springer Science and Business Media B.V.	9204741		Scopus
690	Article	Rajendran H.K.; Das M.; Chandrasekar R.; Deen M.A.; Murugan B.; Narayanasamy S.; Sahoo L.	UiO-66 octahedrons for adsorptive removal of direct blue-6: process optimization, interaction mechanism, and phytotoxicity assessment	2023	Environmental Science and Pollution Research	30	53	114264	1E+05	18	10.1007/s11356-023-30296-z	Springer	9441344		Scopus
691	Article	Dubey S.; Majumder S.K.	Characterization and Evaluation of the Rheological Behavior of a Natural Surfactant (Acacia concinna)	2023	Industrial and Engineering Chemistry Research	62	43	18047	18062	15	10.1021/acs.iecr.3c02773	American Chemical Society	8885885		Scopus

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692	Article	Bhattarai S.; Madan J.; Pandey R.; Samajdar D.P.; Muchahary D.; Amami M.; Ezzine S.; Hossain M.K.	Performance Improvement of Hybrid-Perovskite Solar Cells with Double Active Layer Design Using Extensive Simulation	2023	Energy and Fuels	37	21	16893	16903	10	10.1021/acs.energyfuels.3c02478	American Chemical Society	8870624		Scopus
693	Article	Nandi P.G.; Jasra R.V.; Kumar A.	Pincer-Ruthenium-Catalyzed β -Methylation of Alcohols	2023	Organometallics	42	21	3138	3152	14	10.1021/acs.organomet.3c00376	American Chemical Society	2767333		Scopus
694	Article	Panigrahi P.; Karfa C.	Translation Validation of Information Leakage of Compiler Optimizations	2023	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems	42	11	3585	3598	13	10.1109/TCAD.2023.3269954	Institute of Electrical and Electronics Engineers Inc.	2780070		Scopus
695	Article	Borah S.; Bhuyan P.M.; Sarma B.; Hazarika S.; Gogoi A.; Gogoi P.	Sustainable dyeing of mulberry silk fabric using extracts of green tea (Camellia sinensis): Extraction, mordanting, dyed silk fabric properties and silk-dye interaction mechanism	2023	Industrial Crops and Products	205					10.1016/j.indcrop.2023.117517	Elsevier B.V.	9266690		Scopus
696	Article	Parmar P.R.; Yadav N.; Dubey S.; Arfa N.; Ghoshal T.; Mahanta J.; Kakati N.; Vanarse V.B.; Bandyopadhyay D.	Microdroplet Sensor for Point-of-Care-Testing of Glycemic Index Using Gold-Amylase Nanocomposite	2023	IEEE Journal on Flexible Electronics	2	6	457	463	6	10.1109/JFLEX.2023.3298312	Institute of Electrical and Electronics Engineers	2768167X		Scopus
697	Article	Singh T.; Uppaluri R.V.S.	Machine learning tool-based prediction and forecasting of municipal solid waste generation rate: a case study in Guwahati, Assam, India	2023	International Journal of Environmental Science and Technology	20	11	12207	12230	23	10.1007/s13762-022-04644-4	Institute for Ionics	17351472		Scopus
698	Article	Das S.; Karn R.; Kumar M.; Srimayee S.; Manna D.	A chloride-responsive molecular switch: driving ion transport and empowering antibacterial properties	2023	Organic and Biomolecular Chemistry	22	1	114	119	5	10.1039/d3ob01826a	Royal Society of Chemistry	14770520		Scopus
699	Article	Pradhan C.; Nandi K.K.; Bharti R.; Dutta S.	Developing process-based geomorphic indicators for understanding river dynamics of a highly braided system: Implications for designing resilience based management strategies	2023	Catena	232					10.1016/j.catena.2023.107411	Elsevier B.V.	3418162		Scopus
700	Article	Banik R.K.; Kalita P.	Enrichment of fuel properties of biomass using non-oxidative torrefaction for gasification	2023	Journal of Renewable and Sustainable Energy	15	6				10.1063/5.0168553	American Institute of Physics Inc.	19417012	All Open Access; Bronze Open Access	Scopus
701	Article	Narayan J.; Abbas M.; Patel B.; Dwivedy S.K.	Adaptive RBF neural network-computed torque control for a pediatric gait exoskeleton system: an experimental study	2023	Intelligent Service Robotics	16	5	549	564	15	10.1007/s11370-023-00477-3	Springer Science and Business Media Deutschland GmbH	18612776		Scopus
702	Article	Kumar A.; Jeyabalan J.; Priyan V V.; Charan Patra C.; Narayanasamy S.	Fabrication of a novel bio-polymer adsorbent with high adsorptive capacity towards organic dyes	2023	Industrial Crops and Products	203					10.1016/j.indcrop.2023.117166	Elsevier B.V.	9266690		Scopus
703	Article	Kumar A.; Singh A.R.; Kumar R.S.; Deng Y.; He X.; Bansal R.C.; Kumar P.; Naidoo R.M.	An effective energy management system for intensified grid-connected microgrids	2023	Energy Strategy Reviews	50					10.1016/j.esr.2023.101222	Elsevier Ltd	2211467X	All Open Access; Gold Open Access	Scopus

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704	Article	Saha S.; Maity S.; Mazumdar R.; Samanta B.; Ghosh R.; Guha A.K.; Mondal B.	Sixth Ligand Induced HNO/NO-Release by a Five-Coordinated Cobalt(II) Nitrosyl Complex Having a {CoNO}8 Configuration	2023	Inorganic Chemistry	62	42	17074	17082	8	10.1021/acs.inorgchem.3c01124	American Chemical Society	201669		Scopus
705	Article	Sahoo S.C.; Parida C.; Pan S.C.	Organocatalytic Asymmetric Domino [3+2]-Cycloaddition-Acyl Transfer Reaction between Azomethine Ylides and α -Nitro- α,β -Unsaturated Ketones	2023	Chemistry - An Asian Journal	18	19				10.1002/asia.202300563	John Wiley and Sons Ltd	18614728		Scopus
706	Article	Prajapati M.J.; Kumar A.; Lin S.-C.; Jeng J.-Y.	Closed-cell metamaterial composites 3D printed with hybrid FFF process for tunable mechanical and functional properties	2023	Thin-Walled Structures	192					10.1016/j.tws.2023.111168	Elsevier Ltd	2638231		Scopus
707	Article	Bassi A.; Mir A.A.; Kumar B.; Patel M.	A comprehensive study of various regressions and deep learning approaches for the prediction of friction factor in mobile bed channels	2023	Journal of Hydroinformatics	25	6	2500	2521	21	10.2166/hydro.2023.246	IWA Publishing	14647141	All Open Access; Gold Open Access	Scopus
708	Article	Sharma V.; Bhuyan M.K.; Das P.K.; Bora K.	A DWT-based encoder-decoder network for Specularity segmentation in colonoscopy images	2023	Multimedia Tools and Applications	82	26	40065	40084	19	10.1007/s11042-023-14564-1	Springer	13807501		Scopus
709	Article	Taraka H.; Pardeep P.; Pankaj B.; Anilkumar D.; Indira B.; Aadarsh K.	FRICTION STIR WELDING TOOL LIFE ASSESSMENT THROUGH FATIGUE ANALYSIS	2023	Strojnický Casopis	73	2	163	180	17	10.2478/scjme-2023-0031	Slovak University of Technology in Bratislava	392472	All Open Access; Gold Open Access	Scopus
710	Article	Hossain M.K.; Toki G.F.I.; Kuddus A.; Mohammed M.K.A.; Pandey R.; Madan J.; Bhattarai S.; Rahman M.F.; Dwivedi D.K.; Amami M.; Bencherif H.; Samajdar D.P.	Optimization of the architecture of lead-free CsSnCl3-perovskite solar cells for enhancement of efficiency: A combination of SCAPS-1D and wxAMPS study	2023	Materials Chemistry and Physics	308					10.1016/j.matchemphys.2023.128281	Elsevier Ltd	2540584		Scopus
711	Article	Roy-Chowdhury M.; Seehra M.S.; Thota S.	Optimized analysis of the AC magnetic susceptibility data in several spin-glass systems using the Vogel-Fulcher and Power laws	2023	AIP Advances	13	11				10.1063/5.0169800	American Institute of Physics Inc.	21583226	All Open Access; Gold Open Access; Green Open Access	Scopus
712	Article	Cai W.; Bordoloi S.; Zhu C.; Gupt C.B.	Influence of plasticity and porewater salinity on shrinkage and water retention characteristics of biochar-engineered clays	2023	Soil Science Society of America Journal	87	6	1285	1303	18	10.1002/saj2.20591	John Wiley and Sons Inc	3615995	All Open Access; Hybrid Gold Open Access	Scopus
713	Article	Arandhara P.J.; Behera B.K.; Biswas S.; Saikia A.K.	Synthesis of 1,2,3-triazole-fused N-heterocycles from N-alkynyl hydroxyisoindolinones and sodium azide via the Huisgen reaction	2023	Organic and Biomolecular Chemistry	21	43	8772	8781	9	10.1039/d3ob01498c	Royal Society of Chemistry	14770520		Scopus

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714	Article	Sivakumar S.; Jose J.	Self Adaptive Logical Split Cache Techniques for Delayed Aging of NVM LLC	2023	ACM Transactions on Design Automation of Electronic Systems	28	6				10.1145/3616871	Association for Computing Machinery	10844309		Scopus
715	Article	Goswami S.; Sharma A.K.	Wide tuning of epsilon-near-zero plasmon resonance in pulsed laser deposited ITO thin films	2023	Journal of Applied Physics	134	16				10.1063/5.0168130	American Institute of Physics Inc.	218979		Scopus
716	Review	Garg A.; Gadi V.K.; Zhu H.-H.; Sarmah A.K.; Sreeja P.; Sekharan S.	A geotechnical perspective on soil-termite interaction: Role of termites in unsaturated soil properties	2023	Science of the Total Environment	895					10.1016/j.scitotenv.2023.164864	Elsevier B.V.	489697	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
717	Article	Majumdar A.; Karim G.M.; Dutta P.; Lee H.; Deb S.K.; Sikdar A.; Oh Y.; Maiti U.N.	Microwave induced rapid surface amorphization of metal oxide nanowire into sulfides shell for electronically modulated efficient hydrogen evolution catalyst	2023	Catalysis Today	423					10.1016/j.cattod.2022.11.023	Elsevier B.V.	9205861		Scopus
718	Article	Bhowmik T.; Gupta J.; Sikdar D.	Electro-tunable metasurface for tri-state dynamic polarization switching at near-infrared wavelengths	2023	Journal of Physics Condensed Matter	35	39				10.1088/1361-648X/ace01b	Institute of Physics	9538984		Scopus
719	Article	Bharadwaj M.; Rai S.; Gaur A.	Structural and morphological characterizations of ex-situ sol-gel derived luminescent Nd3+-Yb3+-ion co-doped zinc-silicate dense glass-ceramic	2023	Journal of Non-Crystalline Solids	619					10.1016/j.jnoncrysol.2023.122552	Elsevier B.V.	223093		Scopus
720	Review	Bose R.; Alanazi A.K.; Bhowmik S.; Garai S.; Roy M.; Pakhira B.; Pramanik T.	Applications of Graphene and Graphene Oxide as Versatile Sensors: A Brief Review	2023	Biointerface Research in Applied Chemistry	13	5				10.33263/BRIAC135.457	AMG Transcend Association	20695837	All Open Access; Gold Open Access	Scopus
721	Article	Mahmoud N.H.M.; Takagi H.; Shimizu N.; Igarashi N.; Sakurai S.	Significantly High Melting Temperature of Homopolymer Crystals Obtained in a Poly(l-Lactic Acid)/Poly(d-Lactic Acid) (50/50) Blend	2023	ACS Omega	8	43	40482	40493	11	10.1021/acsomega.3c05165	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
722	Article	Kumari J.; Agarwal P.	Optimization of deposition conditions to tune optoelectronic properties of MoO3-x films prepared by RF-sputtering technique	2023	Vacuum	216					10.1016/j.vacuum.2023.112485	Elsevier Ltd	0042207X		Scopus
723	Article	Arora V.; Dhole S.; Kumar A.	Reforming of ethanol to hydrogen and acetic acid catalyzed by pincer-ruthenium complexes	2023	Catalysis Science and Technology	13	23	6699	6711	12	10.1039/d3cy01107k	Royal Society of Chemistry	20444753		Scopus

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724	Article	Bhattarai S.; Hossain M.K.; Toki G.F.I.; Samajdar D.P.; Pandey R.; Madan J.; Amami M.	Comparative Study of Distinct Halide Composites for Highly Efficient Cesium-Based Perovskite Solar Cells	2023	Energy and Fuels	37	20	16035	16049	14	10.1021/acs.energyfuels.3c02610	American Chemical Society	8870624		Scopus
725	Article	Jaiswal D.; Kalita J.C.	An efficient high-order compact approach for spiral wave dynamics by the FHN model	2023	Journal of Computational Science	73					10.1016/j.jocs.2023.102147	Elsevier B.V.	18777503		Scopus
726	Article	Tanwar A.S.; Khatun M.N.; Chanu M.A.; Sarmah T.; Im Y.-H.; Iyer P.K.	A water-soluble conjugated polyelectrolyte for selective and sensitive detection of carcinogenic chromium(vi)	2023	Analyst	148	23	6011	6019	8	10.1039/d3an01387a	Royal Society of Chemistry	32654		Scopus
727	Article	Paul S.; Deb S.K.; Rangoonwala A.H.	Seismic performance of bidirectional bolted drilled cut RBS-CFT connections under cyclic loads	2023	Journal of Building Engineering	77					10.1016/j.jobe.2023.107185	Elsevier Ltd	23527102	All Open Access; Bronze Open Access	Scopus
728	Article	Mondal S.; Vashi Y.; Ghosh P.; Kalita P.; Kumar S.; Iyer P.K.	Self-Assembly Driven Formation of Functional Ultralong “Artificial Fibers” to Mitigate the Neuronal Damage Associated with Alzheimer’s Disease	2023	ACS Applied Bio Materials	6	10	4383	4391	8	10.1021/acsabm.3c00583	American Chemical Society	25766422		Scopus
729	Article	Roy R.; Mishra A.K.	Utilization of organoclay amended bentonite for hydraulic barrier applications under adverse electrolyte environment	2023	Journal of Environmental Chemical Engineering	11	5				10.1016/j.jece.2023.110829	Elsevier Ltd	22133437		Scopus
730	Article	Ganekanti T.; Banerjee A.	Simulation of shape memory alloy based curved structures using isogeometric analysis	2023	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	237	20	4858	4881	23	10.1177/09544062231155827	SAGE Publications Ltd	9544062		Scopus
731	Article	Barua E.; Das A.; Deoghare A.B.; Pamu D.; Deb P.; Lala S.D.; Chatterjee S.	Performance of ZnO-Incorporated Hydroxyapatite/Polymethyl Methacrylate Tri-Component Composite Bone Scaffolds Fabricated from Varying Sources of Hydroxyapatite	2023	Journal of Materials Engineering and Performance	32	21	9649	9664	15	10.1007/s11665-022-07789-y	Springer	10599495		Scopus
732	Article	Singh H.K.; Mohapatra P.P.; Dobbidi P.; Chittari B.L.	Low-frequency electrical response related to oxygen vacancies in Al3+ substituted M-type hexaferrite	2023	Journal of Physics D: Applied Physics	56	41				10.1088/1361-6463/ace45a	Institute of Physics	223727		Scopus
733	Article	Gupta S.K.; Habib A.; Kumar P.; Melandsø F.; Ahmad A.	Automated tilt compensation in acoustic microscopy	2023	Journal of Microscopy	292	2	90	102	12	10.1111/jmi.13226	John Wiley and Sons Inc	222720	All Open Access; Hybrid Gold Open Access	Scopus

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734	Article	Debnath S.; Rajalakshmi V.S.; Kumar D.; Das B.; Vasudev P.G.; Satpati P.; Chatterjee S.	Ambidexterity and Left-Handedness Induced by Geminally Disubstituted γ Amino Acid Residues in Chiral 310 Helices	2023	ACS Omega	8	39	36370	36385	15	10.1021/acsomega.3c05124	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
735	Article	Isia I.; Hadibarata T.; Hapsari R.I.; Jusoh M.N.H.; Bhattacharjya R.K.; Shahedan N.F.	Assessing social vulnerability to flood hazards: A case study of Sarawak's divisions	2023	International Journal of Disaster Risk Reduction	97					10.1016/j.ijdr.2023.104052	Elsevier Ltd	22124209	All Open Access; Hybrid Gold Open Access	Scopus
736	Article	Pandey S.; Das A.; Sharma L.G.; Pandey L.M.; Dobbidi P.	Exploring Multifunctional Response of Ca10(PO4)6(OH)2-K0.5Na0.5NbO3 Ceramic Composite for Biomedical Applications	2023	ACS Biomaterials Science and Engineering	9	10	5687	5699	12	10.1021/acsbiomaterials.3c01069	American Chemical Society	23739878		Scopus
737	Article	Sen P.; Ghosh S.S.	γ-Secretase Inhibitor Potentiates the Activity of Suberoylanilide Hydroxamic Acid by Inhibiting Its Ability to Induce Epithelial to Mesenchymal Transition and Stemness via Notch Pathway Activation in Triple-Negative Breast Cancer Cells	2023	ACS Pharmacology and Translational Science	6	10	1396	1415	19	10.1021/acsptsci.3c00099	American Chemical Society	25759108	All Open Access; Green Open Access	Scopus
738	Article	Bora H.J.; Borpatra Gohain R.; Barman P.; Biswas S.; Sen Sarma N.; Kalita A.	Assessing CO2 Adsorption Behavior onto Free-Standing, Flexible Organic Framework-PVDF Composite Membrane: An Empirical Modeling and Validation of an Experimental Data Set	2023	ACS Omega	8	39	36065	36075	10	10.1021/acsomega.3c04198	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
739	Article	Morang S.; Bandyopadhyay A.; Rajput J.H.; Mandal B.B.; Poundarik A.; Karak N.	Robust Self-Healable and Three-Dimensional Printable Thermoplastic Elastomeric Waterborne Polyurethane for Artificial Muscle and Biomedical Scaffold Applications	2023	ACS Applied Polymer Materials	5	10	8518	8532	14	10.1021/acsapm.3c01627	American Chemical Society	26376105		Scopus
740	Article	Lahiri S.; Basu S.	Higher order topology in a Creutz ladder	2023	Journal of Physics Condensed Matter	35	42				10.1088/1361-648X/ace6ec	Institute of Physics	9538984	All Open Access; Green Open Access	Scopus

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741	Article	Deka C.; Dutta M.K.; Yazdanpanah M.; Komendantova N.	Can gain motivation induce Indians to adopt electric vehicles? Application of an extended theory of Planned Behavior to map EV adoption intention	2023	Energy Policy	182					10.1016/j.enpol.2023.113724	Elsevier Ltd	3014215	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
742	Article	Rajput S.; Suroshe S.S.; Yadav P.R.; Kumar A.; Saini G.K.	Bioefficacy of engineered Beauveria bassiana with scorpion neurotoxin, LqqIT1 against cotton mealybug, Phenacoccus solenopsis and cowpea aphid, Aphis craccivora	2023	PeerJ	11					10.7717/PEERJ.16030	PeerJ Inc.	21678359	All Open Access; Gold Open Access; Green Open Access	Scopus
743	Article	Prusty J.K.; Pradhan B.	Evaluation of durability and microstructure evolution of chloride added fly ash and fly ash-GGBS based geopolymer concrete	2023	Construction and Building Materials	401					10.1016/j.conbuildmat.2023.132925	Elsevier Ltd	9500618		Scopus
744	Article	Borah D.; Mahapatra S.; Sahu N.; Thounaojam V.S.	Self-interacting dark matter and the GRB221009A event	2023	Physical Review D	108	8				10.1103/PhysRevD.108.083038	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
745	Review	Muthukumar P.; Kumar A.; Afzal M.; Bhogilla S.; Sharma P.; Parida A.; Jana S.; Kumar E.A.; Pai R.K.; Jain I.P.	Review on large-scale hydrogen storage systems for better sustainability	2023	International Journal of Hydrogen Energy	48	85	33223	33259	36	10.1016/j.ijhydene.2023.04.304	Elsevier Ltd	3603199		Scopus
746	Article	Borah N.; Rather M.A.; Bhar B.; Mandal B.B.; Mandal M.; Karak N.	A robust epoxy nanocomposite with iron oxide decorated cellulose nanofiber as a sustained drug delivery vehicle for antibacterial drugs	2023	New Journal of Chemistry	47	43	20010	20025	15	10.1039/d3nj03412g	Royal Society of Chemistry	11440546		Scopus
747	Article	Kar M.R.; Sahoo K.; Mohapatra A.; Bhaumik S.	Stable and luminescent cesium copper halide nanocrystals embedded in flexible polymer fibers for fabrication of down-converting WLEDs	2023	Nanoscale Advances	5	22	6238	6248	10	10.1039/d3na00440f	Royal Society of Chemistry	25160230	All Open Access; Gold Open Access; Green Open Access	Scopus
748	Article	Mazumder P.; Dash S.; Khwairakpam M.; Kalamdhad A.S.	Ecological and health risk assessment associated with translocation of heavy metals in Lycopersicum esculentum from farmland soil treated with different composts	2023	Journal of Environmental Management	344					10.1016/j.jenvman.2023.118577	Academic Press	3014797		Scopus

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749	Review	Mosquera-Ortega M.; Rodrigues de Sousa L.; Susmel S.; Cortón E.; Figueredo F.	When microplastics meet electroanalysis: future analytical trends for an emerging threat	2023	Analytical Methods	15	44	5978	5999	21	10.1039/d3ay01448g	Royal Society of Chemistry	17599660		Scopus
750	Article	Borah D.; Mahapatra S.; Sahu N.	New realization of light thermal self-interacting dark matter and detection prospects	2023	Physical Review D	108	9				10.1103/PhysRevD.108.L091702	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
751	Review	Selvam A.; Parmar P.R.; Bandyopadhyay D.; Chakrabarti S.	Adsorptive Recovery of Heavy Metal Ions from Aquatic Systems Using Metal-Organic Frameworks: A Perspective in the Sustainable Development of Nanomaterials	2023	ChemistrySelect	8	38				10.1002/slct.202302015	John Wiley and Sons Inc	23656549		Scopus
752	Article	Lalthlansanga C.; Pottipati S.; Sreeram Meesala N.; Mohanty B.; Kalamdhad A.S.	Evaluating the potential of biodegradation of swine manure through rotary drum composting utilizing different bulking agents	2023	Bioresource Technology	388					10.1016/j.biortech.2023.129751	Elsevier Ltd	9608524		Scopus
753	Article	Pathak D.; Nandi S.; Sarmah P.	Part-of-speech Tagger for Assamese Using Ensembling Approach	2023	ACM Transactions on Asian and Low-Resource Language Information Processing	22	10				10.1145/3617653	Association for Computing Machinery	23754699		Scopus
754	Article	Siram O.; Shinde S.Y.; Kulkarni V.; Sahoo N.	In-depth three-component assessment of wind turbine wake using stereo PIV under low tip speed ratio conditions	2023	Physics of Fluids	35	11				10.1063/5.0169891	American Institute of Physics Inc.	10706631		Scopus
755	Article	Shukla R.; Mallick S.	Conflicting Institutional Mandates, Biofuels, Jatropha in India	2023	Journal of Asian and African Studies	58	7	1173	1188	15	10.1177/00219096221081767	SAGE Publications Ltd	219096		Scopus
756	Review	Muraliraja R.; Anthoni Sagaya Selvan R.; Selvakumar A.; Franco M.; Tamilarasan T.R.; Sanjith U.; Sha W.; Sudagar J.	A review of electroless coatings on non-metals: Bath conditions, properties and applications	2023	Journal of Alloys and Compounds	960					10.1016/j.jallcom.2023.170723	Elsevier Ltd	9258388		Scopus
757	Article	Rajhi H.; Bardi A.; Ajmi L.; Hazoug M.; des Tureaux T.H.; Haq I.; Bousnina H.; Abichou M.; Podwojewski P.	Effect of multi sourced compost on a rainfed olive tree grove in an arid land: Management practices to adapt to global climate change	2023	Journal of Arid Environments	218					10.1016/j.jaridenv.2023.105058	Academic Press	1401963	All Open Access; Bronze Open Access	Scopus
758	Article	Hazarika U.N.; Borah J.; Kakoti A.; Brahma R.; Sarmah K.; Guha A.K.; Khakhlary P.	Highly conductive three-dimensional metal organic frameworks from small in situ generated ligands	2023	Materials Advances	4	23	6304	6311	7	10.1039/d3ma00562c	Royal Society of Chemistry	26335409	All Open Access; Gold Open Access	Scopus
759	Article	Kundu D.; Grover R.	Robust estimators of two dimensional sinusoidal model parameters	2023	Signal Processing	212					10.1016/j.sigpro.2023.109167	Elsevier B.V.	1651684		Scopus

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760	Article	Lipsa L.; Rajput S.; Parida S.; Ghosh S.P.; Verma S.K.; Gupta S.	Influence of Hot-Press Temperature on β -Phase Formation and Electrical Properties of Solvent-Casted PVDF-HFP Co-Polymer Films Prepared from Two Different Solvents: A Comparison Study	2023	Macromolecular Chemistry and Physics	224	21				10.1002/macp.202300204	John Wiley and Sons Inc	10221352		Scopus
761	Article	Bhattarai S.; Jayan K D.; Pandey R.; Madan J.; Ansari M.Z.; Amami M.; Hossain M.K.	Optimized High-Efficiency Solar Cells with Dual Hybrid Halide Perovskite Absorber Layers	2023	Energy and Fuels	37	20	16022	16034	12	10.1021/acs.energyfuels.3c02099	American Chemical Society	8870624		Scopus
762	Article	Reddy P.R.; Kumar A.; Reddy K.A.	Understanding the boron rejection of cation intercalated multilayered graphene oxide (GO) membrane in reverse osmosis (RO) process: A molecular dynamics study	2023	Journal of Molecular Liquids	389					10.1016/j.molliq.2023.122817	Elsevier B.V.	1677322		Scopus
763	Article	Mallick R.; Vairakannu P.	CO2 plasma gasification of bakelite-based electrical switch waste feedstock	2023	Journal of Cleaner Production	423					10.1016/j.jclepro.2023.138813	Elsevier Ltd	9596526		Scopus
764	Article	Fiori M.; Pramanik S.; MacMinn C.W.	Flow and deformation due to periodic loading in a soft porous material	2023	Journal of Fluid Mechanics	974					10.1017/jfm.2023.747	Cambridge University Press	221120	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
765	Article	Bora T.J.; Hazarika N.; Gour N.K.; Lee S.; Park Y.-B.; Biswas S.; Devi A.; Bania K.K.	Low-Palladium-Content Iron(III) Nanocatalyst Supported on Zeolite-NaY for C-Cl Bond Activation	2023	ACS Applied Nano Materials	6	19	17972	17985	13	10.1021/acsanm.3c03244	American Chemical Society	25740970		Scopus
766	Article	Rohilla S.; Mahanta C.L.; Singha S.	Development of Carotenoids Enriched Mayonnaise Utilizing Yellow Tamarillo Peel Waste: An Innovative Approach for Extracting Carotenoids Using High Shear Disperser and Ultrasound as Green Extraction Techniques	2023	Waste and Biomass Valorization	14	11	3575	3587	12	10.1007/s12649-023-02078-8	Springer Science and Business Media B.V.	18772641		Scopus
767	Article	Sarmah S.; Maji D.; Ravi S.; Bora T.	Effect of Cr3+ substitution on the magnetic and dielectric properties of cobalt ferrites	2023	Journal of Alloys and Compounds	960					10.1016/j.jallcom.2023.170589	Elsevier Ltd	9258388		Scopus
768	Review	Patel M.J.; Baishya H.; Sharma S.; Zehra N.; Hossain M.; Adhikari R.D.; Iyer P.K.	Imidazolium Functionalized Polyelectrolyte Assisted Perovskite Crystallization for Efficient and Stable Perovskite Solar Cells	2023	ACS Applied Energy Materials	6	20	10243	10250	7	10.1021/acsaeam.2c04166	American Chemical Society	25740962		Scopus
769	Review	Behera P.P.; Kumar N.; Kumari M.; Kumar S.; Mondal P.K.; Arun R.K.	Integrated microfluidic devices for point-of-care detection of bio-analytes and disease	2023	Sensors and Diagnostics	2	6	1437	1459	22	10.1039/d3sd00170a	Royal Society of Chemistry	26350998	All Open Access; Gold Open Access	Scopus

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770	Article	Pal T.; Sahu K.	Effect of salt addition on a triblock copolymer-zwitterionic surfactant assembly: insight from excited-state proton transfer	2023	Physical Chemistry Chemical Physics	25	43	29816	29830	14	10.1039/d3cp03388k	Royal Society of Chemistry	14639076		Scopus
771	Article	Moral R.; Pegu O.A.; Das G.	Terminal substituent-induced differential aggregation and sensing properties: A case study of neutral benzimidazole-based urea receptors	2023	New Journal of Chemistry	47	42	19625	19632	7	10.1039/d3nj03806h	Royal Society of Chemistry	11440546		Scopus
772	Article	Kane G.R.; Majhi B.R.	Thermality of horizon through near horizon instability: a path integral approach	2023	General Relativity and Gravitation	55	11				10.1007/s10714-023-03174-9	Springer	17701		Scopus
773	Article	Pandey D.; Mondal P.K.; Wongwises S.	Dielectric polarization-mediated efficient solute mixing: Effect of the geometrical configuration of polarizing blocks	2023	Electrophoresis	44	21-22	1637	1644	7	10.1002/elps.202200223	John Wiley and Sons Inc	1730835		Scopus
774	Article	Sarma B.; Basu D.N.; Dalal A.	Jetting Dynamics of Viscous Droplets on Superhydrophobic Surfaces	2023	Langmuir	39	39	14040	14052	12	10.1021/acs.langmuir.3c01820	American Chemical Society	7437463		Scopus
775	Article	Kumar M.; Paul T.; Kumar P.V.A.; Pugazhenth G.; Pakshirajan K.	Both biogenic and chemically synthesized metal sulfide nanoparticles induce oxidative stress and enhance lipid accumulation in Rhodococcus opacus	2023	BioMetals	36	5	1047	1058	11	10.1007/s10534-023-00504-x	Springer Science and Business Media B.V.	9660844		Scopus
776	Article	Yashmin S.; Khan A.T.; Akula S.J.; Radhakrishnanand P.; Bhattacharyya K.	One-Step Synthesis of 7-Bromobenzo[c]chromeno[4,3,2-gh]phenanthridines through a Sequential Bromination/Cyclization/Aromatization Reaction Using N-Bromosuccinimide (NBS)	2023	Journal of Organic Chemistry	88	19	13622	13633	11	10.1021/acs.joc.3c01329	American Chemical Society	223263		Scopus
777	Article	Senapati D.; Rajesh K.; Karfa C.; Sarkar A.	TMDS: Temperature-aware Makespan Minimizing DAG Scheduler for Heterogeneous Distributed Systems	2023	ACM Transactions on Design Automation of Electronic Systems	28	6				10.1145/3616869	Association for Computing Machinery	10844309		Scopus
778	Article	Bhattacharya A.; Singh Chouhan B.; Singh R.; Bhowmik B.K.; Kumar G.	Polarization independent lattice-coupled terahertz toroidal excitation	2023	Journal of Physics D: Applied Physics	56	41				10.1088/1361-6463/ace459	Institute of Physics	223727	All Open Access; Green Open Access	Scopus
779	Article	Barman D.; Majhi B.R.	Are multiple reflecting boundaries capable of enhancing entanglement harvesting	2023	Physical Review D	108	8				10.1103/PhysRevD.108.085007	American Physical Society	24700010	All Open Access; Green Open Access	Scopus
780	Article	Brahma S.; Seenivasan A.N.	Gravity-induced entanglement as a probe of spacetime curvature	2023	International Journal of Modern Physics D	32	14				10.1142/S0218271823420208	World Scientific	2182718		Scopus

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781	Article	Mia A.K.; Bora A.; Hossain M.T.; Sinha S.; Giri P.K.	Fast detection of Staphylococcus aureus using thiol-functionalized WS2 quantum dots and Bi2O2Se nanosheets hybrid through a fluorescence recovery mechanism	2023	Journal of Materials Chemistry B	11	42	10206	10217	11	10.1039/d3tb01465g	Royal Society of Chemistry	2050750X		Scopus
782	Article	Shrivastav N.; Yadav V.; Bhattarai S.; Madan J.; Hossain M.K.; Samajdar D.P.; Dwivedi D.K.; Pandey R.	Two-terminal tandem solar cell with Sb2S3/Sb2Se3 absorber pair: achieving 14% power conversion efficiency	2023	Physica Scripta	98	11				10.1088/1402-4896/ad000e	Institute of Physics	318949		Scopus
783	Article	Choudhury S.P.; Haq I.; Kalamdhad A.S.	Unleashing synergistic potential of microbially enhanced anaerobic co-digestion of petroleum refinery biosludge and yard waste: Impact of nutrient balance and microbial diversity	2023	Journal of Hazardous Materials	460					10.1016/j.jhazmat.2023.132361	Elsevier B.V.	3043894		Scopus
784	Article	Meitei S.R.; Devi L.S.; Singh N.K.	Ag nanoparticle assisted vertically aligned β -Ga2O3 nanowire deposited by GLAD technique for ultrafast photodetection	2023	Optical Materials	145					10.1016/j.optmat.2023.114482	Elsevier B.V.	9253467		Scopus
785	Article	Nandi K.K.; Pradhan C.; Dutta S.; Khatua K.K.	Identifying the stability trajectory of a large braided Brahmaputra river using reach-scale process-based approach	2023	Journal of Hydrology	626					10.1016/j.jhydrol.2023.130329	Elsevier B.V.	221694		Scopus
786	Review	Mehrotra S.; Dey S.; Sachdeva K.; Mohanty S.; Mandal B.B.	Recent advances in tailoring stimuli-responsive hybrid scaffolds for cardiac tissue engineering and allied applications	2023	Journal of Materials Chemistry B	11	43	10297	10331	34	10.1039/d3tb00450c	Royal Society of Chemistry	2050750X		Scopus
787	Article	Borah D.; Dasgupta A.; Knauss M.; Saha I.	Baryon asymmetry from dark matter decay in the vicinity of a phase transition	2023	Physical Review D	108	9				10.1103/PhysRevD.108.L091701	American Physical Society	24700010		Scopus
788	Article	Saha S.; Bhattacharyya H.; Karjee P.; Debnath B.; Verma K.; Punniyamurthy T.	Expedient C-H allylation of sulfoxonium ylides: merging C-H and C-C/C-het bond activation	2023	Chemical Communications	59	95	14173	14176	3	10.1039/d3cc04507b	Royal Society of Chemistry	13597345		Scopus
789	Article	Tanwar A.S.; Chanu M.A.; Parui R.; Barman D.; Im Y.-H.; Krishnan Iyer P.	Dynamic quenching mechanism based optical detection of carcinogenic Cr(vi) in water and on economical paper test strips via a conjugated polymer	2023	RSC Applied Polymers	2	2	196	204	8	10.1039/d3lp00195d	Royal Society of Chemistry	2755371X	All Open Access; Gold Open Access	Scopus
790	Article	Moorthy M.; Moorthy B.; Ganesan B.K.; Saha A.; Yu S.; Kim D.-H.; Hong S.; Park S.; Kang K.; Thangavel R.; Lee Y.-S.	A Series of Hybrid Multifunctional Interfaces as Artificial SEI Layer for Realizing Dendrite Free, and Long-Life Sodium Metal Anodes	2023	Advanced Functional Materials	33	42				10.1002/adfm.202300135	John Wiley and Sons Inc	1616301X		Scopus
791	Article	Srimayee S.; Badajena S.R.; Akhtar N.; Kar M.K.; Dey S.; Mohapatra P.; Manna D.	Stimuli-responsive release of active anionophore from RGD-peptide-linked proanionophore	2023	Chemical Communications	59	85	12759	12762	3	10.1039/d3cc02451b	Royal Society of Chemistry	13597345		Scopus

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792	Article	Das B.; Robi P.S.; Mahanta P.	Experimental Investigation and Modelling by Machine Learning Techniques for Hydrogen Generation by Reacting Aluminium with Aqueous NaOH Solution	2023	Fuel	351					10.1016/j.fuel.2023.128924	Elsevier Ltd	162361		Scopus
793	Article	Virmani N.; Ravindra Salve U.	Significance of Human Factors and Ergonomics (HFE): Mediating Its Role between Industry 4.0 Implementation and Operational Excellence	2023	IEEE Transactions on Engineering Management	70	11	3976	3989	13	10.1109/TEM.2021.3091398	Institute of Electrical and Electronics Engineers Inc.	189391		Scopus
794	Article	Sah P.K.; Kumar S.S.; Sreedeeep S.	Thermal conductivity and specific volume heat capacity of bentonite–fly ash-based fluidized thermal backfill	2023	Journal of Thermal Analysis and Calorimetry	148	21	11607	11617	10	10.1007/s10973-023-12523-4	Springer Science and Business Media B.V.	13886150		Scopus
795	Article	Bhan C.; Kumar Golder A.	Bio-based hierarchical vertically aligned 2D ZnO nanostructures for ultra selective electrochemical sensing of p-Chloroaniline	2023	Chemical Engineering Journal	475					10.1016/j.cej.2023.146122	Elsevier B.V.	13858947		Scopus
796	Article	Mondal J.K.; Kumar A.	A New Frequency Domain Framework of Inverse Ground Response Analysis for the Determination of Dynamic Soil Properties in a Two-Layered System	2023	International Journal of Geomechanics	23	11				10.1061/IJGNAI.GMENG-8520	American Society of Civil Engineers (ASCE)	15323641		Scopus
797	Article	Reza M.S.; Rahman M.F.; Kuddus A.; Mohammed M.K.A.; Al-Mousoi A.K.; Islam M.R.; Ghosh A.; Bhattarai S.; Pandey R.; Madan J.; Hossain M.K.	Boosting efficiency above 28% using effective charge transport layer with Sr3SbI3 based novel inorganic perovskite	2023	RSC Advances	13	45	31330	31345	15	10.1039/d3ra06137j	Royal Society of Chemistry	20462069		Scopus
798	Article	Behera P.K.; Yadav K.; Rao D.S.S.; Pandey U.K.; Sudhakar A.A.	Self-Assembled anti-Napthalene-3,4:9,10-bis(benzimidazole)s: Stabilizing Room Temperature Columnar Phase with Ambipolar Conductivity	2023	ACS Applied Electronic Materials	5	10	5417	5421	4	10.1021/acsaelm.3c01101	American Chemical Society	26376113		Scopus
799	Article	Mulpuri S.K.; Sah B.; Kumar P.	Unraveling capacity fading in lithium-ion batteries using advanced cyclic tests: A real-world approach	2023	iScience	26	10				10.1016/j.isci.2023.107770	Elsevier Inc.	25890042	All Open Access; Gold Open Access; Green Open Access	Scopus
800	Article	Pankaj P.; Medhi T.; Dhara L.N.; Tiwari A.; Biswas P.	A route for properties enhancement by utilizing external auxiliary energy systems for FSW of aluminum-steel	2023	CIRP Journal of Manufacturing Science and Technology	46		204	229	25	10.1016/j.cirpj.2023.08.010	Elsevier Ltd	17555817		Scopus
801	Article	Naik K.; Sahoo N.	Synergistic Effect of J-Shape Airfoil on the Performance of Darrieus-Type Straight-Bladed Vertical Axis Wind Turbine	2023	Journal of Energy Resources Technology	145	10				10.1115/1.4062082	American Society of Mechanical Engineers (ASME)	1950738		Scopus

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802	Article	Das B.; Bora S.	Nearest rank deficient matrix polynomials	2023	Linear Algebra and Its Applications	674		304	350	46	10.1016/j.laa.2023.05.019	Elsevier Inc.	243795		Scopus
803	Article	Tripura T.; Hazra B.; Chakraborty S.	Novel Girsanov correction based Milstein schemes for analysis of nonlinear multi-dimensional stochastic dynamical systems	2023	Applied Mathematical Modelling	122		350	372	22	10.1016/j.apm.2023.05.041	Elsevier Inc.	0307904X		Scopus
804	Article	Mondal S.; Mukherjee P.; Paul A.; Sikdar A.; Mandal B.	Carbon-Sulfur Bond Formation via Ipso Nucleophilic Substitution of Electron-Deficient Benzenesulfonic Acid with Thiol	2023	ChemistrySelect	8	36				10.1002/slct.202303212	John Wiley and Sons Inc	23656549	All Open Access; Bronze Open Access	Scopus
805	Review	Sajeev A.; BharathwajChetty B.; Vishwa R.; Alqahtani M.S.; Abbas M.; Sethi G.; Kunnumakkara A.B.	Crosstalk between Non-Coding RNAs and Wnt/ β -Catenin Signaling in Head and Neck Cancer: Identification of Novel Biomarkers and Therapeutic Agents	2023	Non-coding RNA	9	5				10.3390/ncrna9050063	Multidisciplinary Digital Publishing Institute (MDPI)	2311553X	All Open Access; Gold Open Access; Green Open Access	Scopus
806	Article	Nitu; Srinivasan A.	Influence of iron oxide substitution on the magnetic interactions in sol–gel-derived 45S5 bioactive glass–ceramics	2023	Journal of the American Ceramic Society	106	10	5806	5813	7	10.1111/jace.19265	John Wiley and Sons Inc	27820		Scopus
807	Article	Parida C.; Pan S.C.	Organocatalytic Synthesis of Furan-Embedded Styrene Atropisomers	2023	Journal of Organic Chemistry	88	18	13358	13370	12	10.1021/acs.joc.3c01391	American Chemical Society	223263		Scopus
808	Article	Sutradhar R.; Dalal D.C.	Fractional-order models of hepatitis B virus infection with recycling effects of capsids	2023	Mathematical Methods in the Applied Sciences	46	14	15599	15625	26	10.1002/mma.9415	John Wiley and Sons Ltd	1704214		Scopus
809	Article	Sonowal J.; Bhowmik M.; Muthukumar P.; Anandalakshmi R.	Comparative Study of Different Tube Geometries of Evacuated Tube Solar Collector	2023	Journal of Solar Energy Engineering, Transactions of the ASME	145	5				10.1115/1.4056904	American Society of Mechanical Engineers (ASME)	1996231		Scopus
810	Article	Bhatia E.; Chakrabarti S.; Chakraborty S.	Velocity dispersion of dark-matter deficient ultradiffuse galaxies: A case for modified gravity	2023	Physical Review D	108	6				10.1103/PhysRevD.108.064021	American Physical Society	24700010	All Open Access; Green Open Access	Scopus
811	Article	Ghosh R.; Ghosh J.; Giri P.K.; Guha P.; Yi G.-C.	Facile growth of perovskite nanoparticles confined on dimension-controlled Si nanorod arrays for various promising photophysical applications	2023	Materials Today Chemistry	33					10.1016/j.mtchem.2023.101681	Elsevier Ltd	24685194	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
812	Article	Mishra H.; Bhattacharjee P.; Nemade H.B.	Development and Demonstration of Charge Transfer Devices With Aligned Polymer Chains	2023	IEEE Transactions on Electron Devices	70	10	5313	5318	5	10.1109/TED.2023.3307075	Institute of Electrical and Electronics Engineers Inc.	189383		Scopus
813	Article	Samanta B.; Ghosh R.; Mazumdar R.; Saha S.; Maity S.; Mondal B.	Reaction of a Co(iii)-peroxo complex with nitric oxide: putative formation of a peroxynitrite intermediate	2023	Dalton Transactions	52	43	15815	15821	6	10.1039/d3dt02261g	Royal Society of Chemistry	14779226		Scopus

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814	Article	Mahanta N.; Dixit U.S.	A Study on Degradation of N95 Respirator After Disinfecting it by Various Techniques	2023	Journal of The Institution of Engineers (India): Series C	104	5	887	895	8	10.1007/s40032-023-00978-1	Springer	22500545		Scopus
815	Article	Jena S.K.; Seehra M.S.; Sarkar T.; Reehuis M.; Hoser A.; Weise B.; Thota S.	Spin-liquid state with precursor ferromagnetic clusters interacting antiferromagnetically in frustrated glassy tetragonal spinel Zn0.8Cu0.2FeMnO4	2023	Journal of Physics Condensed Matter	35	37				10.1088/1361-648X/acdbfa	Institute of Physics	9538984		Scopus
816	Article	Asati B.; Narayanan R.G.; Shajan N.; Arora K.S.	Effect of Die Design and Sheet Placement on Self-Piercing Rivet of Automotive Steels and Comparison with Resistance Spot and Friction Stir Spot Welding	2023	Journal of Materials Engineering and Performance	32	19	8913	8926	13	10.1007/s11665-022-07762-9	Springer	10599495		Scopus
817	Article	Jana B.; Ghorai S.; Singh Y.R.; Parshi N.; Pan D.; Pramanik S.K.; Goyal A.; Ganguly J.	Phenomenal performance of polysaccharide based microgel-nanocomposite template for distinctive binding of picric acid in aqueous medium and cancer cell recognition	2023	Materials Today Chemistry	33					10.1016/j.mtchem.2023.101684	Elsevier Ltd	24685194		Scopus
818	Article	Goswami U.J.; Xalxo A.; Khan A.T.	Catalyst- and Solvent-Free Synthesis of Pentacyclic-dione Derivatives from 4-Hydroxythiocoumarin and Aldehyde Using Pseudo-Three-Component Reaction	2023	ChemistrySelect	8	35				10.1002/slct.202302520	John Wiley and Sons Inc	23656549	All Open Access; Bronze Open Access	Scopus
819	Article	Nongthombam R.; Gupta P.K.; Sarma A.K.	Quantum transduction of a superconducting qubit in an electro-optomechanical and an electro-optomagnonical system	2023	Physical Review A	108	4				10.1103/PhysRevA.108.043501	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
820	Review	Jeyabalan J.; Veluchamy A.; V V.P.; Kumar A.; Chandrasekar R.; Narayanasamy S.	A review on the laccase assisted decolourization of dyes: Recent trends and research progress	2023	Journal of the Taiwan Institute of Chemical Engineers	151					10.1016/j.jtice.2023.105081	Taiwan Institute of Chemical Engineers	18761070		Scopus
821	Article	Hazarika J.; Talukdar A.; Rajaraman P.V.	Effect of Potassium Iodate-Based Slurry for Polishing of Ruthenium (Ru) as Advanced Interconnects	2023	Journal of Electronic Materials	52	10	6551	6565	14	10.1007/s11664-023-10585-6	Springer	3615235		Scopus
822	Article	Singh S.; Kumar A.; Sitharam T.G.	Mechanical, Microstructural, and Durability Properties of Soil Stabilized with Alkali-Activated Jarofix for Road Applications	2023	Journal of Hazardous, Toxic, and Radioactive Waste	27	4				10.1061/JHTRBP.HZENG-1236	American Society of Civil Engineers (ASCE)	21535493		Scopus
823	Article	Venthuruthiyil S.P.; Samalla S.; Chunchu M.	Association of crash potential of powered two-wheelers with the state of traffic stream	2023	Safety Science	166					10.1016/j.ssci.2023.106257	Elsevier B.V.	9257535		Scopus
824	Article	Wang C.-T.; Ubando A.T.; Wan M.-L.; Ong Tang R.C.	Optimal aeration area of cathode electrode in the batch type of microbial fuel cells with non-woven interface	2023	Chemosphere	337					10.1016/j.chemosphere.2023.139257	Elsevier Ltd	456535		Scopus

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825	Article	Ejtehadi O.; Mankodi T.K.; Sohn I.; Kim B.J.; Myong R.S.	Gas-particle flows in a microscale shock tube and collection efficiency in the jet impingement on a permeable surface	2023	Physics of Fluids	35	10				10.1063/5.0170871	American Institute of Physics Inc.	10706631		Scopus
826	Review	Choudhry N.K.; Panda B.; Dixit U.S.	Energy Absorption Characteristics of Fused Deposition Modeling 3D Printed Auxetic Re-entrant Structures: A Review	2023	Journal of Materials Engineering and Performance	32	20	8981	8999	18	10.1007/s11665-023-08243-3	Springer	10599495		Scopus
827	Article	Manna S.K.; Sil A.	Majorons revisited: Light dark matter as a FIMP	2023	Physical Review D	108	7				10.1103/PhysRevD.108.075026	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
828	Article	Singh Chauhan D.; Sahoo L.; Mohanty K.	Acclimation-driven microalgal cultivation improved temperature and light stress tolerance, CO2 sequestration and metabolite regulation for bioenergy production	2023	Bioresource Technology	385					10.1016/j.biortech.2023.129386	Elsevier Ltd	9608524		Scopus
829	Article	Prasad R.; Panda S.; Hazra B.	A new symplectic integrator for stochastic Hamiltonian systems on manifolds	2023	Probabilistic Engineering Mechanics	74					10.1016/j.probengmech.2023.103526	Elsevier Ltd	2668920		Scopus
830	Article	Deka B.; Rehman A.; Singh K.K.	miR-6893-3p is a bonafide negative regulator of splicing activator, RNPS1	2023	3 Biotech	13	10				10.1007/s13205-023-03761-2	Springer Science and Business Media Deutschland GmbH	2190572X	All Open Access; Green Open Access	Scopus
831	Article	Dhaked D.K.; Dadhich S.; Birla D.	Power output forecasting of solar photovoltaic plant using LSTM	2023	Green Energy and Intelligent Transportation	2	5				10.1016/j.geits.2023.100113	Elsevier B.V.	20972512	All Open Access; Gold Open Access	Scopus
832	Article	Mandal P.; Panda A.N.	Conformational Effect on the Excitonic States of 2-Phenylpyridine Oligomers: Ab Initio Studies and Analysis	2023	Journal of Physical Chemistry A	127	38	7898	7907	9	10.1021/acs.jpca.3c03601	American Chemical Society	10895639		Scopus
833	Article	Sen T.; Mallick S.; Kipgen N.	Tattooing, Cultural Change, and the Indigenous Apatanis of Arunachal Pradesh	2023	Society	60	5	761	771	10	10.1007/s12115-023-00869-2	Springer	1472011		Scopus
834	Article	Chakraborty G.; Pramanik S.; Ghosh U.	Interplay of bulk soluble surfactants and interfacial kinetics governs the stability of two-layer channel flows	2023	Soft Matter	19	41	8011	8021	10	10.1039/d3sm01109g	Royal Society of Chemistry	1744683X		Scopus
835	Article	Ahmed T.; Baruah R.; Kumar R.	A weak Galerkin finite-element method for singularly perturbed convection–diffusion–reaction problems with interface	2023	Computational and Applied Mathematics	42	7				10.1007/s40314-023-02438-z	Springer Nature	22383603		Scopus

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836	Article	Barman K.K.; Bora S.N.	Impact of a porous structure in mitigating wave effect on a floating elastic plate in a two-layer fluid	2023	Archive of Applied Mechanics	93	10	4009	4029	20	10.1007/s00419-023-02475-4	Springer Science and Business Media Deutschland GmbH	9391533		Scopus
837	Article	Mittal A.; Grover R.; Kundu D.; Mitra A.	Estimation of the Elementary Chirp Model Parameters	2023	IEEE Transactions on Aerospace and Electronic Systems	59	5	5218	5234	16	10.1109/TAES.2023.3254527	Institute of Electrical and Electronics Engineers Inc.	189251	All Open Access; Green Open Access	Scopus
838	Article	Roy R.; Mishra A.K.	Consolidation and Compressibility Behavior of Compacted Nanoclay-Amended Bentonite Liners Inundated with Inorganic Salt Solutions	2023	Journal of Hazardous, Toxic, and Radioactive Waste	27	4				10.1061/JHTRBP.HZENG-1231	American Society of Civil Engineers (ASCE)	21535493		Scopus
839	Article	Bora M.J.; Cai W.; Pekkat S.; Garg A.; Sekharan S.	Development of a simplified theoretical model to determine erodibility of compacted soil in hole erosion test based on fluid energy transformation	2023	Acta Geotechnica	18	10	5441	5455	14	10.1007/s11440-023-01877-6	Springer Science and Business Media Deutschland GmbH	18611125		Scopus
840	Article	Sharma S.; Kulkarni R.	State-space modeling approach for fringe pattern demodulation	2023	Applied Optics	62	27	7330	7337	7	10.1364/AO.496722	Optica Publishing Group (formerly OSA)	1559128X		Scopus
841	Article	Debarshi D.A.S.	Marxist Rent Theory and Its Applications in Developing Countries	2023	Science and Society	87	4	531	555	24	10.1521/siso.2023.87.4.531	Guilford Publications	368237		Scopus
842	Article	Gangolu J.; Daudeville L.; Rao Gangolu A.; Sharma H.	Improvement of Probabilistic Models for Prediction of Missile-Impact Effects on Reinforced Concrete Protective Panels Using an Experimental and Numerical Database	2023	Journal of Performance of Constructed Facilities	37	5				10.1061/JPCFEV.CFENG-4316	American Society of Civil Engineers (ASCE)	8873828		Scopus
843	Article	Swain J.; Hajra S.; Das N.; Parhi P.; Panda S.; Priyadarshini A.; Panda J.; Sahu A.K.; Alagarsamy P.; Vivekananthan V.; Kim H.J.; Sahu R.	Spent Catalyst-Derived Mo-MOF: Triboelectric Nanogenerators and Energy Harvesting	2023	Energy Technology	11	10				10.1002/ente.202300498	John Wiley and Sons Inc	21944288		Scopus
844	Review	Hegde M.; Kumar A.; Girisa S.; Alqahtani M.S.; Abbas M.; Goel A.; Hui K.M.; Sethi G.; Kunnumakkara A.B.	Exosomal noncoding RNA-mediated spatiotemporal regulation of lipid metabolism: Implications in immune evasion and chronic inflammation	2023	Cytokine and Growth Factor Reviews	73		114	134	20	10.1016/j.cytogfr.2023.06.001	Elsevier Ltd	13596101		Scopus
845	Article	Rajasekhar R.; Mandal D.D.; Mandal T.K.	A highly sensitive hybrid digital sensor for room temperature arsenic detection	2023	Journal of Environmental Chemical Engineering	11	5				10.1016/j.jece.2023.110381	Elsevier Ltd	22133437		Scopus
846	Article	Saisorn S.; Benjawun P.; Suriyawong A.; Asirvatham L.G.; Mondal P.K.; Wongwises S.	Two-phase flow structures in a helically coiled microchannel: An experimental investigation	2023	Physics of Fluids	35	10				10.1063/5.0171004	American Institute of Physics Inc.	10706631		Scopus
847	Article	Kumar R.; Deka B.	Weak Galerkin finite element methods for $H(\text{curl};\Omega)$ and $H(\text{curl},\text{div};\Omega)$ -elliptic problems[Formula presented]	2023	Computers and Mathematics with Applications	147		210	221	11	10.1016/j.camwa.2023.07.019	Elsevier Ltd	8981221		Scopus

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848	Article	Deb T.K.; Singh B.	Bearing Behavior of a Monopod Bucket Foundation Supporting an Offshore Wind Turbine in Sandy Soils	2023	International Journal of Geomechanics	23	10				10.1061/IJGNAL.GMENG-8217	American Society of Civil Engineers (ASCE)	15323641		Scopus
849	Article	Tripathi S.; Sahu H.S.; Kumar S.; Nayak S.K.; Mishra M.K.	Maximum Energy Harvest from a TCT Connected PV Array under Nonhomogeneous Irradiation Conditions	2023	IEEE Journal of Emerging and Selected Topics in Power Electronics	11	5	5441	5453	12	10.1109/JESTPE.2023.3307734	Institute of Electrical and Electronics Engineers Inc.	21686777		Scopus
850	Article	Singha S.; Manna M.; Das P.; Pramanik S.; Bhandari S.	Surfactant-mediated enhanced FRET from a quantum-dot complex for ratiometric sensing of food colorants	2023	Chemical Communications	59	84	12653	12656	3	10.1039/d3cc04104b	Royal Society of Chemistry	13597345		Scopus
851	Article	Nanda A.; Jha R.K.; Yadav A.; Rao A.; Bhat N.	Arsenic Trioxide Nanostructures for Selective Detection of NO Gas at Room Temperature	2023	IEEE Sensors Journal	23	19	22225	22232	7	10.1109/JSEN.2023.3307797	Institute of Electrical and Electronics Engineers Inc.	1530437X		Scopus
852	Article	Rajput A.S.; Kapil S.; Das M.	A post processing technique to achieve nanofinishing for functionality enhancement of Ti-6Al-4V femoral head fabricated by Laser Powder Bed Fusion	2023	CIRP Journal of Manufacturing Science and Technology	45		99	112	13	10.1016/j.cirpj.2023.06.006	Elsevier Ltd	17555817		Scopus
853	Article	Dhiman B.; Zindani D.; Chakrabarti D.; Singh G.	A user-centric assessment of solar-photovoltaic-home-lighting systems in rural parts of Assam, India	2023	Energy for Sustainable Development	76					10.1016/j.esd.2023.101290	Elsevier B.V.	9730826		Scopus
854	Article	Baruah D.; Tamuli R.	The cell functions of phospholipase C-1, Ca2+/H+ exchanger-1, and secretory phospholipase A2 in tolerance to stress conditions and cellulose degradation in Neurospora crassa	2023	Archives of Microbiology	205	10				10.1007/s00203-023-03662-1	Springer Science and Business Media Deutschland GmbH	3028933		Scopus
855	Article	Pemmana H.R.; Reddi R.; Uppaluri R.V.S.; Peela N.R.	Glycerol selective oxidation to lactic acid over platinum-vanadium bimetallic catalysts supported on activated carbon	2023	Reaction Chemistry and Engineering	9	2	260	272	12	10.1039/d3re00425b	Royal Society of Chemistry	20589883		Scopus
856	Article	Sangineni R.; Chandrasekaran T.; Nayak S.K.	Study of Partial Discharges in Fresh and Oxidative Aged Mineral-Natural Ester Blended Oils	2023	IEEE Transactions on Dielectrics and Electrical Insulation	30	5	2325	2333	8	10.1109/TDEI.2023.3308531	Institute of Electrical and Electronics Engineers Inc.	10709878		Scopus
857	Article	Kumar N.; Dutta J.; Deka B.	L2 estimates for weak Galerkin finite element methods for second-order wave equations with polygonal meshes	2023	Applied Numerical Mathematics	192		84	103	19	10.1016/j.apnum.2023.05.009	Elsevier B.V.	1689274		Scopus
858	Article	Deka H.; Sunaniya A.K.; Agarwal P.	Simulation studies on MoS2 (n)/a-Si:H (i)/c-Si (p)/MoO3 heterojunction solar cells using one sided short diode approximation	2023	Solar Energy	263					10.1016/j.solener.2023.111943	Elsevier Ltd	0038092X		Scopus
859	Article	Tripathi S.; Chopra S.; Sahu H.S.; Mishra M.K.; Kumar S.; Nayak S.K.	A Novel MPP Estimation Technique for DDM PV Array Under Different Solar Irradiance Conditions	2023	IEEE Transactions on Sustainable Energy	14	4	2177	2191	14	10.1109/TSTE.2023.3294809	Institute of Electrical and Electronics Engineers Inc.	19493029		Scopus
860	Article	Lenka B.K.; Bora S.N.	New comparison results for nonlinear Caputo-type real-order systems with applications	2023	Nonlinear Dynamics	111	20	19249	19264	15	10.1007/s11071-023-08846-4	Springer Science and Business Media B.V.	0924090X		Scopus

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861	Article	Mitra A.; Paul S.	Pathways of hLL-3717-29 Aggregation Give Insight into the Mechanism of α-Amyloid Formation	2023	Journal of Physical Chemistry B	127	38	8162	8175	13	10.1021/acs.jpcb.3c04742	American Chemical Society	15206106		Scopus
862	Article	Moral R.; Pegu O.A.; Das G.	Probing the aggregation potential and picric acid recognition aptitude by altering aromatic core substitution in a series of cinnamaldehyde-based receptors	2023	Dyes and Pigments	218					10.1016/j.dyepig.2023.111502	Elsevier Ltd	1437208	All Open Access; Bronze Open Access	Scopus
863	Article	Gupta J.; Das P.; Bhattacharjee R.; Sikdar D.	Enhancing signal-to-noise ratio of clinical 1.5T MRI using metasurface-inspired flexible wraps	2023	Applied Physics A: Materials Science and Processing	129	10				10.1007/s00339-023-06962-x	Springer Science and Business Media Deutschland GmbH	9478396		Scopus
864	Article	Maring T.M.; Mushahary S.K.; Dhamane S.; Singh K.D.; Borsaikia A.C.	Mechanical Properties of S700 Butt-Weld during and after Fire	2023	Journal of Materials in Civil Engineering	35	10				10.1061/JMCEE7.MTENG-15937	American Society of Civil Engineers (ASCE)	8991561		Scopus
865	Article	Bhattacharya A.; Manivannan V.	Ratiometric detection of Zn(II) and Cd(II) ions by a benzobisimidazole based probe in aqueous systems and theoretical calculations	2023	Journal of Photochemistry and Photobiology A: Chemistry	444					10.1016/j.jphotochem.2023.114913	Elsevier B.V.	10106030		Scopus
866	Article	Bhattacharyya H.; Saha S.; Verma K.; Punniyamurthy T.	Redox-Neutral Site-Selective C-H Allylation and Iodolactonization of Benzoic Acids Using Morita-Baylis-Hillman Adducts in Water	2023	Organic Letters	25	37	6830	6834	4	10.1021/acs.orglett.3c02318	American Chemical Society	15237060		Scopus
867	Article	Pushpanjali Patra K.; Ravi S.	Effect of Partial Replacement of Mn with Cr on Exchange Bias Behavior and Negative Magnetization in Nanocrystalline Ho2CoMnO6 Double Perovskite	2023	Journal of Magnetism and Magnetic Materials	582					10.1016/j.jmmm.2023.171008	Elsevier B.V.	3048853	All Open Access; Bronze Open Access	Scopus
868	Article	Chattopadhyay J.; Saikia A.	On the p-ranks of the ideal class groups of imaginary quadratic fields	2023	Ramanujan Journal	62	2	571	581	10	10.1007/s11139-022-00667-0	Springer	13824090	All Open Access; Green Open Access	Scopus
869	Article	Khwairakpam S.; Gandhi I.S.R.; Wagh C.	Investigations on Optimization of Extraction Process of Surfactant from Hingot Fruit (Balanites aegyptiaca) and Sesame Seed (Sesamum indicum) and Its Suitability in Foam Concrete Production	2023	Arabian Journal for Science and Engineering	48	10	14119	14152	33	10.1007/s13369-023-08098-9	Institute for Ionics	2193567X		Scopus
870	Article	Mallampalli K.C.; Dhar D.; Pal S.	A User-Centered Ergonomic Design of Cashew Nut Sheller to Mitigate Musculoskeletal Disorders Among Cashew Nut Shelling Workers	2023	Journal of The Institution of Engineers (India): Series C	104	5	909	923	14	10.1007/s40032-023-00966-5	Springer	22500545		Scopus
871	Article	Yadav S.; Laxmi V.; Kapoor H.; Gaur M.S.; Kumar A.	Adaptive distribution of control messages for improving bandwidth utilization in multiple NoC	2023	Journal of Supercomputing	79	15	17208	17246	38	10.1007/s11227-023-05208-0	Springer	9208542		Scopus

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872	Article	Shufen R.; Singh N.P.; Dixit U.S.	Thermally assisted rotational autofrettage of long cylinders with free ends	2023	Journal of Pressure Vessel Technology, Transactions of the ASME	145	5				10.1115/1.4063095	American Society of Mechanical Engineers (ASME)	949930		Scopus
873	Review	Kumari S.; Rehman A.; Chandra P.; Singh K.K.	Functional role of SAP18 protein: From transcriptional repression to splicing regulation	2023	Cell Biochemistry and Function	41	7	738	751	13	10.1002/cbf.3830	John Wiley and Sons Ltd	2636484		Scopus
874	Article	Lenka B.K.; Bora S.N.	Limiting behaviour of non-autonomous Caputo-type time-delay systems and initial-time on the real number line	2023	Computational and Applied Mathematics	42	7				10.1007/s40314-023-02459-8	Springer Nature	22383603		Scopus
875	Article	Sorenson C.; Ding L.; Zamalloa C.; Arsenault A.; Debeni Devi N.; Hu B.	Illuminated septic tank – A microalgae assisted onsite wastewater treatment system	2023	Journal of Environmental Chemical Engineering	11	5				10.1016/j.jece.2023.110768	Elsevier Ltd	22133437		Scopus
876	Article	Biswas S.; Purkayastha S.K.; Guha A.K.; Pan S.C.	Sequential organo and metal catalyzed reaction between 3-pyrrolyloxindoles and linear nitroenynes: access to cyclic aza-spirooxindoles	2023	Chemical Communications	59	81	12156	12159	3	10.1039/d3cc03713d	Royal Society of Chemistry	13597345		Scopus
877	Article	Gangwar M.S.; Agarwal P.	Influence of microstructure on dielectric function and plasmonic properties of silver nanoparticles grown by solid state dewetting: a spectroscopic ellipsometry study	2023	Physica Scripta	98	10				10.1088/1402-4896/acf796	Institute of Physics	318949		Scopus
878	Article	Baruah S.; Borah J.; Bhattarai S.; Maity S.	Optimization of all inorganic perovskite solar cell with dual active layers for beyond 29% efficiency	2023	Solar Energy	263					10.1016/j.solener.2023.111939	Elsevier Ltd	0038092X		Scopus
879	Article	Tamuly S.; Dixit S.; Kombaiah B.; Parameswaran V.; Khanikar P.	High strain rate deformation behavior of Al0.65CoCrFe2Ni dual-phase high entropy alloy	2023	Intermetallics	161					10.1016/j.intermet.2023.107983	Elsevier Ltd	9669795		Scopus
880	Article	Bora M.; Sharma A.V.; Kumari P.; Sahoo N.	Investigation of bamboo-based vertical axis wind turbine blade under static loading	2023	Ocean Engineering	285					10.1016/j.oceaneng.2023.115317	Elsevier Ltd	298018		Scopus
881	Article	Sarmah A.; Sarma M.; Sarma M.; Hobza P.	Functional Design of a Reconfigurable Molecular Nanomachine: A Promising Domain for Optically Propelled Molecular Motors	2023	Journal of Physical Chemistry C	127	37	18574	18585	11	10.1021/acs.jpcc.3c02533	American Chemical Society	19327447		Scopus
882	Article	Patwa D.; Ravi K.; Sreedeeep S.	Influence of initial molding parameters and natural moisture migration on biochar-based soil composite for thermal backfills applications	2023	Acta Geophysica	71	5	2381	2399	18	10.1007/s11600-022-00993-3	Springer Science and Business Media Deutschland GmbH	18956572		Scopus
883	Review	Sarhadi T.R.; Panse J.S.; Nagotu S.	Mind the gap: Methods to study membrane contact sites	2023	Experimental Cell Research	431	1				10.1016/j.yexcr.2023.113756	Elsevier Inc.	144827		Scopus
884	Article	Hatwik J.; Patil H.N.; Limaye A.M.	Proliferative response of ERα-positive breast cancer cells to 10 μM enterolactone, and the associated alteration in the transcriptomic landscape	2023	Gene	881					10.1016/j.gene.2023.147640	Elsevier B.V.	3781119	All Open Access; Green Open Access	Scopus

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885	Article	Senthilkumar S.; Singh R.; Rangan L.; Swaminathan R.	Enhanced electronic absorption and solubility of Mammeigin in aqueous micelles and protein aggregate solutions compared to water	2023	Journal of Molecular Liquids	386					10.1016/j.molliq.2023.122510	Elsevier B.V.	1677322	All Open Access; Bronze Open Access	Scopus
886	Article	Das S.; Goud V.V.	Rice husk derived biogenic silica coated cotton as an effective, sustainable oil-water separation platform	2023	Biomass and Bioenergy	177					10.1016/j.biombioe.2023.106935	Elsevier Ltd	9619534		Scopus
887	Article	Mohan M.; Saha U.K.	Computational study of a newly developed parabolic blade profile of a Savonius wind rotor	2023	Journal of the Brazilian Society of Mechanical Sciences and Engineering	45	10				10.1007/s40430-023-04474-6	Springer Science and Business Media Deutschland GmbH	16785878		Scopus
888	Article	Parmar D.; Rao M.	Population Control and Eugenics: Dhanvanthi Rama Rau and Margaret Sanger in the Making of India’s Family Planning Programme, 1930s–1960s	2023	Indian Journal of Gender Studies	30	3	330	349	19	10.1177/09715215231183624	Sage Publications India Pvt. Ltd	9715215		Scopus
889	Article	Haque N.; Singh A.; Saha U.K.	A New Method to Develop Homogeneous and Heterogeneous Porous Micromodels Applicable to Enhanced Oil Recovery and Flow Visualization Experiments	2023	Journal of Energy Resources Technology	145	10				10.1115/1.4057032	American Society of Mechanical Engineers (ASME)	1950738		Scopus
890	Article	Paul D.; Pandey A.; Neogi S.	Bacterial cell permeability study by metal oxide and mixed metal oxide nanoparticles: analysis of the factors contributing to the antibacterial activity of nanoparticles	2023	World Journal of Microbiology and Biotechnology	39	10				10.1007/s11274-023-03712-2	Springer Science and Business Media B.V.	9593993		Scopus
891	Article	Gupta J.; Das P.; Bhattacharjee R.; Sikdar D.	Resonating sub-wavelength metallic wires based pads for boosting signal-to-noise ratio of birdcage head coils at 1.5T MRI	2023	Results in Physics	53					10.1016/j.rinp.2023.106972	Elsevier B.V.	22113797	All Open Access; Gold Open Access	Scopus
892	Article	Nath A.; Bora U.	RNAinsecta: A tool for prediction of precursor microRNA in insects and search for their target in the model organism Drosophila melanogaster	2023	PLoS ONE	18	#####				10.1371/journal.pone.0287323	Public Library of Science	19326203	All Open Access; Gold Open Access; Green Open Access	Scopus
893	Article	Meitei N.Y.; Baishnab K.L.; Trivedi G.	Fast power density aware three-dimensional integrated circuit floorplanning for hard macroblocks using best operator combination genetic algorithm	2023	International Journal of Circuit Theory and Applications	51	10	4879	4896	17	10.1002/cta.3672	John Wiley and Sons Ltd	989886		Scopus
894	Article	Ghosh S.; Chatterjee S.; Satpati P.	Effect of Spacer Length Modification of the Cationic Side Chain on the Energetics of Antimicrobial Peptide Binding to Membrane-Mimetic Bilayers	2023	Journal of Chemical Information and Modeling	63	18	5823	5833	10	10.1021/acs.jcim.3c01080	American Chemical Society	15499596		Scopus

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895	Article	Shukla A.; Kundu D.; Mitra A.; Grover R.	On Estimating Parameters of a Multicomponent Chirp Model With Equal Chirp Rates	2023	IEEE Transactions on Aerospace and Electronic Systems	59	5	5027	5038	11	10.1109/TAES.2023.3247974	Institute of Electrical and Electronics Engineers Inc.	189251		Scopus
896	Article	Meitei S.R.; Devi L.S.; Singh N.K.	Nanocrystalline β -Ga2O3 thin film prepared by electron beam evaporation for enhanced photodetection	2023	Journal of Physics D: Applied Physics	56	39				10.1088/1361-6463/ace201	Institute of Physics	223727		Scopus
897	Article	Islam M.; Bhardwaj A.; Bhowmik B.K.; Kumar G.	Terahertz Meta-waveguide Based upon Strongly Near-Field Coupled Split-Ring Resonators	2023	Journal of Infrared, Millimeter, and Terahertz Waves	44	#####	740	751	11	10.1007/s10762-023-00934-1	Springer	18666892		Scopus
898	Article	Tiwari P.; Singha A.D.; Atkar S.A.; Datta A.; Thota S.	Probing the incoherent admixture of low and high-spin states of Co in (LaPr)CoO3 perovskite: focus on structural phase transitions	2023	Journal of Physics Condensed Matter	35	37				10.1088/1361-648X/acdb22	Institute of Physics	9538984		Scopus
899	Article	Barman B.; Borah D.; Das S.J.; Saha I.	Scale of Dirac leptogenesis and left-right symmetry in the light of recent PTA results	2023	Journal of Cosmology and Astroparticle Physics	2023	10				10.1088/1475-7516/2023/10/053	Institute of Physics	14757516	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
900	Article	Samantaray T.; Gupta U.; Saini J.; Gupta C.N.	Unique Brain Network Identification Number for Parkinson’s and Healthy Individuals Using Structural MRI	2023	Brain Sciences	13	9				10.3390/brainsci13091297	Multidisciplinary Digital Publishing Institute (MDPI)	20763425	All Open Access; Gold Open Access; Green Open Access	Scopus
901	Article	Maji S.; Natesan S.	Analytical and numerical solution techniques for a class of time-fractional integro-partial differential equations	2023	Numerical Algorithms	94	1	229	256	27	10.1007/s11075-023-01498-w	Springer	10171398		Scopus
902	Article	Kumari A.; Gopal Y.; Dhaked D.K.; Panda K.P.; Kumar Y.N.V.	A single source five-level switched-capacitor based multilevel inverter with reduced device count	2023	e-Prime - Advances in Electrical Engineering, Electronics and Energy	5					10.1016/j.prime.2023.100235	Elsevier Ltd	27726711	All Open Access; Gold Open Access	Scopus
903	Conference paper	Deb D.; Jose J.	ZPP: A Dynamic Technique to Eliminate Cache Pollution in NoC based MPSoCs	2023	ACM Transactions on Embedded Computing Systems	22	5 s				10.1145/3609113	Association for Computing Machinery	15399087		Scopus
904	Article	Talukdar A.; Baranwal P.K.; Talukdar M.K.; Rajaraman P.V.	Synergistic Effect of H2S and Acetic Acid on CO2 Corrosion of Carbon Steel at Elevated Temperature	2023	JOM	75	9	3757	3770	13	10.1007/s11837-023-05952-x	Springer	10474838		Scopus
905	Article	Sanfui S.; Sharma D.	GPU-based mesh reduction strategy utilizing active nodes for structural topology optimization	2023	Structures	55		570	586	16	10.1016/j.istruc.2023.05.079	Elsevier Ltd	23520124		Scopus
906	Article	Agnihotry A.; Prasad N.K.; Dalal A.	Numerical study of bubble rise in a three-dimensional sinusoidal channel	2023	Physics of Fluids	35	9				10.1063/5.0165945	American Institute of Physics Inc.	10706631		Scopus

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907	Article	Biswas R.; Tiwari S.	Regularity results for Choquard equations involving fractional p-Laplacian	2023	Mathematische Nachrichten	296	9	4060	4085	25	10.1002/mana.202100469	John Wiley and Sons Inc	0025584X		Scopus
908	Editorial	Iyer S.S.K.; Badhulika S.; Bandyapadhyay D.; Dhawan A.; Kim D.-K.; Narayan K.S.; Ramamurthy P.	Guest Editorial Special Issue on Flexible Electronics for Emerging Markets and Developing Economies	2023	IEEE Journal on Flexible Electronics	2	5	333	335	2	10.1109/JFLEX.2023.3327800	Institute of Electrical and Electronics Engineers	2768167X	All Open Access; Bronze Open Access	Scopus
909	Review	Hegde M.; Girisa S.; Naliyadhara N.; Kumar A.; Alqahtani M.S.; Abbas M.; Mohan C.D.; Warrier S.; Hui K.M.; Rangappa K.S.; Sethi G.; Kunnumakkara A.B.	Natural compounds targeting nuclear receptors for effective cancer therapy	2023	Cancer and Metastasis Reviews	42	3	765	822	57	10.1007/s10555-022-10068-w	Springer	1677659		Scopus
910	Article	Sugihara D.; Ono F.; Sugino M.; Suzuki H.; Endo N.; Shimada A.; Ebihara A.	Production of recombinant His-tagged triple-FLAG peptide in Brevibacillus choshinensis and its utilization as an easy-to-remove affinity peptide	2023	Bioscience, Biotechnology and Biochemistry	87	9	1029	1035	6	10.1093/bbb/zbad079	Oxford University Press	9168451		Scopus
911	Article	Baithy M.; Gogoi A.; Borgohain C.; Nagare A.; Bhitre S.; Gogoi P.; Navgire M.	Design of visible light-assisted Fenton-like Ni-Fe oxide nanocomposites for photodegradation of rhodamine-B	2023	Bulletin of Materials Science	46	3				10.1007/s12034-023-02971-x	Springer	2504707		Scopus
912	Article	Khuntia R.; Mahapatra S.K.; Roy L.; Chandra Pan S.	Structurally divergent enantioselective synthesis of benzofuran fused azocine derivatives and spiro-cyclopentanone benzofurans enabled by sequential catalysis	2023	Chemical Science	14	39	10768	10776	8	10.1039/d3sc03239f	Royal Society of Chemistry	20416520	All Open Access; Gold Open Access; Green Open Access	Scopus
913	Article	Sarkar P.; Nandi N.; Barnwal N.; Sahu K.	BSA-Capped Dual-Emissive Silver Nanoclusters for Detection of IO4- and Cu2+ Ions	2023	ACS Applied Nano Materials	6	17	15851	15859	8	10.1021/acsanm.3c02752	American Chemical Society	25740970		Scopus
914	Article	De S.; Das G.	Acidochromic and solvatochromic urease tracker: The aggregation and optical feature of a quinoxaline scaffold	2023	Journal of Photochemistry and Photobiology A: Chemistry	443					10.1016/j.jphotochem.2023.114884	Elsevier B.V.	10106030		Scopus
915	Article	Marak C.N.K.; Tamuli R.	Calmodulin, Calcium/Calmodulin-Dependent Kinases-1 and 2 Regulate Expression of the Heat Shock Proteins for Heat Shock Tolerance and Pheromone Signaling Genes for Sexual Development in Neurospora crassa	2023	Indian Journal of Microbiology	63	3	317	323	6	10.1007/s12088-023-01091-8	Springer	468991	All Open Access; Green Open Access	Scopus
916	Article	Singh H.K.; Nath U.; Keot N.; Sarma M.	Exploring π - π interactions and electron transport in complexes involving a hexacationic host and PAH guest: a promising avenue for molecular devices	2023	Physical Chemistry Chemical Physics	25	39	26767	26778	11	10.1039/d3cp03389a	Royal Society of Chemistry	14639076		Scopus

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917	Review	Dey A.; Ghosh S.; Bhuniya T.; Koley M.; Bera A.; Guha S.; Chakraborty K.; Muthu S.; Gorai S.; Vorn R.; Vadivalagan C.; Anand K.	Clinical Theragnostic Signature of Extracellular Vesicles in Traumatic Brain Injury (TBI)	2023	ACS Chemical Neuroscience	14	17	2981	2994	13	10.1021/acschemneuro.3c00386	American Chemical Society	19487193	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
918	Article	Balmuchu S.P.; Sahu S.; Dobbidi P.	Enhanced magnetic properties and leakage current mechanism in bismuth lanthanum ferrite thin films coupled with impedance and magnetic studies	2023	Vacuum	215					10.1016/j.vacuum.2023.112356	Elsevier Ltd	0042207X		Scopus
919	Review	Garodia P.; Hegde M.; Kunnumakkara A.B.; Aggarwal B.B.	Curcumin, inflammation, and neurological disorders: How are they linked?	2023	Integrative Medicine Research	12	3				10.1016/j.imr.2023.100968	Korea Institute of Oriental Medicine	22134220	All Open Access; Gold Open Access; Green Open Access	Scopus
920	Article	Mohan A.; Mondal S.; Dan S.S.; Paily R.P.	Design Considerations for Efficient Realization of Rectifiers in Microscale Wireless Power Transfer Systems: A Review	2023	IEEE Sensors Journal	23	18	20691	20704	13	10.1109/JSEN.2022.3222938	Institute of Electrical and Electronics Engineers Inc.	1530437X		Scopus
921	Article	Das S.; Narayanan R.G.	Friction stir spot welding of aluminum and steel sheets using a consumable sheet	2023	International Journal of Advanced Manufacturing Technology	128	#####	221	241	20	10.1007/s00170-023-11863-7	Springer Science and Business Media Deutschland GmbH	2683768		Scopus
922	Article	Dokala R.K.; Das S.; Mishra P.K.; Thota S.	Magnetic ordering in Ce substituted zirconite-YCrO4nanostructures: Focus on tunable energy bandgap and local-atomic environment	2023	Physica Scripta	98	9				10.1088/1402-4896/aced29	Institute of Physics	318949		Scopus
923	Article	Mohan S.; Khijwania S.K.	Highly Sensitive GO-ZnO Nanocomposite-Based Optical Fiber Relative Humidity Sensor	2023	IEEE Sensors Letters	7	9				10.1109/LENS.2023.3301846	Institute of Electrical and Electronics Engineers Inc.	24751472		Scopus
924	Article	Haque M.R.; Kpatcha E.; Maity D.; Mambrini Y.	Primordial black hole reheating	2023	Physical Review D	108	6				10.1103/PhysRevD.108.063523	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
925	Article	Singh R.K.	Efficiency of Wheat Futures across APMC Mandis	2023	Journal of Quantitative Economics	21	3	681	701	20	10.1007/s40953-023-00348-9	Springer	9711554		Scopus
926	Article	Shuprajhaa T.; Mathav Raj J.; Paramasivam S.K.; Sheeba K.N.; Uma S.	Deep learning based intelligent identification system for ripening stages of banana	2023	Postharvest Biology and Technology	203					10.1016/j.postharvbio.2023.112410	Elsevier B.V.	9255214		Scopus

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927	Article	Bhattarai S.; Pandey R.; Madan J.; Tayeng S.; Kalita P.K.; Ansari M.Z.; Ben Farhat L.; Amami M.; Hossain M.K.	Comparative study of distinct halide composites for highly efficient perovskite solar cells using a SCAPS-1D simulator	2023	RSC Advances	13	38	26851	26860	9	10.1039/d3ra04134d	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access; Green Open Access	Scopus
928	Article	Mahato K.; Baranwal A.; Kumari R.; Srivastava A.; Pratap Azad U.; Chandra P.	Differential electrochemical behaviour of phytofabricated and chemically synthesized silver nanoparticles towards hydrogen peroxide sensing**	2023	Electroanalysis	35	9				10.1002/elan.202300094	John Wiley and Sons Inc	10400397		Scopus
929	Article	Yadav H.N.S.; Das M.	Experimental investigations through modeling and optimization for fabrication of fused silica in medium-pressure plasma process	2023	Optical Materials	143					10.1016/j.optmat.2023.114157	Elsevier B.V.	9253467		Scopus
930	Article	Ghosh S.; Lipin R.; Ngoipala A.; Ruser N.; Venturi D.M.; Rana A.; Vandichel M.; Biswas S.	Hf-Based MOF for Rapid and Selective Sensing of a Nerve Agent Simulant and an Aminophenol: Insights from Experiments and Theory	2023	Inorganic Chemistry	62	36	14632	14646	14	10.1021/acs.inorgchem.3c01777	American Chemical Society	201669		Scopus
931	Article	Akasapu K.; Uppaluri R.V.S.	Efficacy of score deviation method as a novel sensory evaluation technique for the identification of optimal mixed vegetable soup formulations	2023	International Journal of Gastronomy and Food Science	33					10.1016/j.ijgfs.2023.100761	AZTI-Tecnalia	1878450X		Scopus
932	Article	Patel V.D.; Kumar A.; Bharti R.; Choudhary R.; Kumar A.	Evaluation of Spectral Characteristics of Asphalt Mixtures	2023	Journal of Materials in Civil Engineering	35	9				10.1061/JMCEE7.MTENG-15877	American Society of Civil Engineers (ASCE)	8991561		Scopus
933	Article	Das P.; Gupta J.; Sikdar D.; Bhattacharjee R.	A smart metasurface for scanning deep brain tissues at 1.5T MRI	2023	Current Applied Physics	53		172	180	8	10.1016/j.cap.2023.07.003	Elsevier B.V.	15671739		Scopus
934	Article	Sinha A.; Goswami G.; Kumar R.; Das D.	A microalgal biorefinery approach for bioactive molecules, biofuel, and biofertilizer using a novel carbon dioxide-tolerant strain Tetrademus obliquus CT02	2023	Biomass Conversion and Biorefinery	13	14	12605	12618	13	10.1007/s13399-021-02098-1	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
935	Article	Ghosh S.; Mal D.; Mukherjee S.; Biswas S.	Sustainable Fabrication of an Eco-Friendly, Reusable Chitosan@Cotton@MOF Composite Sensor for 2,4-Dichlorophenoxyacetic Acid Herbicide and Nitroxoline Antibiotic	2023	ACS Sustainable Chemistry and Engineering	11	35	13179	13186	7	10.1021/acssuschemeng.3c03517	American Chemical Society	21680485		Scopus
936	Article	Kumar S.; Singh H.K.; Bhattacharyya H.P.; Sarma M.	Low energy electron interaction with citric acid: a local complex potential based time-dependent wavepacket study	2023	Journal of Chemical Sciences	135	3				10.1007/s12039-023-02200-2	Springer	9743626		Scopus

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937	Article	Su Y.-H.; Bhowmick P.; Lanzon A.	A robust adaptive formation control methodology for networked multi-UAV systems with applications to cooperative payload transportation	2023	Control Engineering Practice	138					10.1016/j.conengprac.2023.105608	Elsevier Ltd	9670661	All Open Access; Green Open Access	Scopus
938	Article	Lenka B.K.; Bora S.N.	Nonnegativity, Convergence and Bounds of Non-homogeneous Linear Time-Varying Real-Order Systems with Application to Electrical Circuit System	2023	Circuits, Systems, and Signal Processing	42	9	5207	5232	25	10.1007/s00034-023-02368-5	Birkhauser	0278081X		Scopus
939	Article	Kumar A.S.G.; Selvaraj S.	Preliminary investigation of temperature and pressure profile of pudam in the preparation of Siddha medicine Padigara parpam	2023	Journal of Ayurveda and Integrative Medicine	14	5				10.1016/j.jaim.2023.100762	Elsevier B.V.	9759476	All Open Access; Gold Open Access; Green Open Access	Scopus
940	Article	Talukdar P.K.; Kulkarni V.; Chatterjee D.; Saha U.K.	Vertical-axis hybrid turbines as wind and hydrokinetic energy harvesters: technological growth and future design strategies	2023	Sadhana - Academy Proceedings in Engineering Sciences	48	3				10.1007/s12046-023-02176-2	Springer	2562499		Scopus
941	Article	Bhattarai S.; Jayan D.; Yousfi A.; Chowdhury M.; Rahman M.F.; Pandey R.; Madan J.; Ansari M.Z.; Hossain M.K.	Novel double graded perovskite materials for performance increment of perovskite solar cell using extensive numerical analysis	2023	Physica Scripta	98	9				10.1088/1402-4896/aceb97	Institute of Physics	318949		Scopus
942	Article	Chandra P.; Mahto A.K.; Tripathi Y.M.	Inference for a competing risks model with Burr XII distributions under generalized progressive hybrid censoring	2023	Brazilian Journal of Probability and Statistics	37	3	566	595	29	10.1214/23-BJPS582	Brazilian Statistical Association	1030752		Scopus
943	Article	Biswas N.; Singh A.; Bhattacharya S.	Augmented 3D arrows for visualizing off-screen Points of Interest without clutter	2023	Displays	79					10.1016/j.displa.2023.102502	Elsevier B.V.	1419382		Scopus
944	Article	Kalimullah N.M.M.; Shelke A.; Habib A.	A deep learning approach for anomaly identification in PZT sensors using point contact method	2023	Smart Materials and Structures	32	9				10.1088/1361-665X/acee37	Institute of Physics	9641726	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
945	Article	Bhattarai S.; Hossain M.K.; Ben Farhat L.; Marzouki R.; Hossain I.; Ansari M.Z.; Madan J.; Pandey R.	Performance enhancement using an embedded nano-pyramid in a perovskite solar cell with TaTm as a hole transport layer	2023	New Journal of Chemistry	47	39	18332	18340	8	10.1039/d3nj03665k	Royal Society of Chemistry	11440546		Scopus
946	Article	Tarafdar S.; Dutta S.	Long-term decline in rainfall causing depletion in groundwater aquifer storage sustaining the springflow in the middle-Himalayan headwaters	2023	Journal of Earth System Science	132	3				10.1007/s12040-023-02136-8	Springer	23474327		Scopus

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947	Article	Mehta S.K.; Raj A.R.; Mondal P.K.	Salinity Gradient-Induced Power Generation in Nanochannels: The Role of pH-Sensitive Polyelectrolyte Layers	2023	Langmuir	39	35	12302	12312	10	10.1021/acs.langmuir.3c01236	American Chemical Society	7437463		Scopus
948	Article	Narzary R.; Ravi S.; Srivastava S.K.	Crystal structure, micro-structure, Raman spectroscopy, optical, magnetic, and electrical property of Sn0.94-y Ag0.06 Sby O2 compounds	2023	Applied Physics A: Materials Science and Processing	129	9				10.1007/s00339-023-06910-9	Springer Science and Business Media Deutschland GmbH	9478396		Scopus
949	Article	Hazarika H.; Dutta D.; Brahma S.; Das B.; Gogoi P.	Pd-Catalyzed Alkyne and Aryne Annulations: Synthesis and Photophysical Properties of π -Extended Coumarins	2023	Journal of Organic Chemistry	88	17	12168	12182	14	10.1021/acs.joc.2c01187	American Chemical Society	223263		Scopus
950	Article	Chahal R.; Bora A.; Giri P.K.	Chemical Vapor Deposition Growth of Highly Stable Cs2AgBiBr6 Double Perovskite Thin Films and Their Ultralow Thermal Conductivity and Fast Photoresponse	2023	ACS Applied Energy Materials	6	17	8794	8807	13	10.1021/acsaem.3c01249	American Chemical Society	25740962		Scopus
951	Article	Sarvendranath R.; Chavva A.K.R.; Larsson E.G.	Optimal Antenna Selection and Beamforming for an IRS Assisted System	2023	IEEE Transactions on Wireless Communications	22	9	5698	5710	12	10.1109/TWC.2023.3235835	Institute of Electrical and Electronics Engineers Inc.	15361276	All Open Access; Green Open Access	Scopus
952	Review	Talukdar P.; Kumar B.; Kulkarni V.V.	A review of water quality models and monitoring methods for capabilities of pollutant source identification, classification, and transport simulation	2023	Reviews in Environmental Science and Biotechnology	22	3	653	677	24	10.1007/s11157-023-09658-z	Springer Science and Business Media B.V.	15691705		Scopus
953	Article	Mohapatra K.; Jena D.P.	Numerical and experimental methods to measure the acoustic performance of sonic crystal noise barrier	2023	Building Acoustics	30	3	339	356	17	10.1177/1351010X231179003	SAGE Publications Inc.	1351010X		Scopus
954	Article	Shakya D.; Deshpande V.; Kumar B.; Agarwal M.	Predicting total sediment load transport in rivers using regression techniques, extreme learning and deep learning models	2023	Artificial Intelligence Review	56	9	10067	10098	31	10.1007/s10462-023-10422-6	Springer Nature	2692821		Scopus
955	Article	Das S.; Chakraborty S.; Dey T.N.	Gain-assisted controllable fast-light generation in cavity magnomechanics	2023	Physical Review A	108	3				10.1103/PhysRevA.108.033517	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
956	Article	Mehta S.K.; Kakati R.; Rahman A.; Mondal P.K.; Wongwises S.	Reaction characteristics of non-Newtonian species in a microreactor: The role of electroosmotic vortices	2023	Physics of Fluids	35	9				10.1063/5.0170034	American Institute of Physics Inc.	10706631		Scopus
957	Article	Annapureddy P.K.R.; Kishore N.	Non-isothermal pyrolysis of Polyalthia longifolia using thermogravimetric analyzer: Kinetics and thermodynamics	2023	Journal of Renewable and Sustainable Energy	15	5				10.1063/5.0160104	American Institute of Physics Inc.	19417012		Scopus

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958	Article	Bhushan S.; Eshkabilov S.; Jayakrishnan U.; Prajapati S.K.; Simsek H.	A comparative analysis of growth kinetics, image analysis, and biofuel potential of different algal strains	2023	Chemosphere	336					10.1016/j.chemosphere.2023.139196	Elsevier Ltd	456535		Scopus
959	Article	Gupta S.; De M.	Role of metal (Cu/Ni/Fe/Co)-carbon composite in enhancing electro-oxidation of ethylene glycol	2023	Journal of Applied Electrochemistry	53	9	1795	1809	14	10.1007/s10800-023-01883-2	Springer Science and Business Media B.V.	0021891X		Scopus
960	Article	Singh A.; Sharma S.; Deka K.; Bhatia V.	DL-Based OTFS Signal Detection in Presence of Hardware Impairments	2023	IEEE Wireless Communications Letters	12	9	1533	1537	4	10.1109/LWC.2023.3281790	Institute of Electrical and Electronics Engineers Inc.	21622337		Scopus
961	Article	Chattopadhyay A.; Pradhan C.; Skripka A.	Approximation of the Spectral Action Functional in the Case of τ -Compact Resolvents	2023	Integral Equations and Operator Theory	95	3				10.1007/s00020-023-02740-9	Birkhauser	0378620X		Scopus
962	Review	Ghosh J.; Parveen S.; Sellin P.J.; Giri P.K.	Recent Advances and Opportunities in Low-Dimensional Layered Perovskites for Emergent Applications beyond Photovoltaics	2023	Advanced Materials Technologies	8	17				10.1002/admt.202300400	John Wiley and Sons Inc	2365709X	All Open Access; Bronze Open Access	Scopus
963	Article	Kumbhakar S.; Sain R.; Vardani J.	Lepton flavor violating B -K *2(1430) $\mu \pm \tau \pm$ decays	2023	Journal of Physics G: Nuclear and Particle Physics	50	9				10.1088/1361-6471/ace923	Institute of Physics	9543899	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
964	Article	Nath J.K.; Borah R.	A lanthanide cluster formed by fixing atmospheric CO2 to carbonate: a molecular magnetic refrigerant and photoluminescent material	2023	Journal of Chemical Sciences	135	3				10.1007/s12039-023-02176-z	Springer	9743626		Scopus
965	Article	Radhika E.; Balmuchu S.P.; Sridhar V.; Dobbidi P.	Effect of ZnO on structural and dielectric properties of AlN ceramics	2023	Journal of Materials Science: Materials in Electronics	34	26				10.1007/s10854-023-11226-8	Springer	9574522		Scopus
966	Article	Shukla A.; Grover R.; Kundu D.; Mitra A.	A computationally efficient algorithm to estimate the parameters of a two-dimensional chirp model with the product term	2023	Multidimensional Systems and Signal Processing	34	3	633	655	22	10.1007/s11045-023-00879-7	Springer	9236082		Scopus
967	Review	Barman P.; Dutta L.; Bordoloi S.; Kalita A.; Buragohain P.; Bharali S.; Azzopardi B.	Renewable energy integration with electric vehicle technology: A review of the existing smart charging approaches	2023	Renewable and Sustainable Energy Reviews	183					10.1016/j.rser.2023.113518	Elsevier Ltd	13640321	All Open Access; Hybrid Gold Open Access	Scopus
968	Article	Mishra M.	Infinite Hilbert class field tower	2023	Research in Number Theory	9	3				10.1007/s40993-023-00453-x	Springer Science and Business Media Deutschland GmbH	23639555		Scopus
969	Article	Saini R.; Navale G.R.; Singh S.; Singh H.K.; Chauhan R.; Agrawal S.; Sarkar D.; Sarma M.; Ghosh K.	Inhibition of amyloid β 1–42 peptide aggregation by newly designed cyclometallated palladium complexes	2023	International Journal of Biological Macromolecules	248					10.1016/j.ijbiomac.2023.125847	Elsevier B.V.	1418130		Scopus

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970	Article	Singh P.; Kalamdhad A.S.	A comprehensive assessment of state-wise biogas potential and its utilization in India	2023	Biomass Conversion and Biorefinery	13	14	12557	12579	22	10.1007/s13399-021-02001-y	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
971	Article	Singh R.; Kar R.K.	Dynamic Properties of Graphene Oxide Functionalized with L-Cysteine	2023	Journal of Physical Chemistry C	127	35	17438	17453	15	10.1021/acs.jpcc.3c04469	American Chemical Society	19327447		Scopus
972	Article	Bhattarai S.; Hossain M.K.; Toki G.F.I.; Pandey R.; Madan J.; Samajdar D.P.; Ezzine S.; Farhat L.B.; Ansari M.Z.; Ahammad S.H.; Rashed A.N.Z.	Efficiency enhancement of perovskite solar cell devices utilizing MXene and TiO2 as an electron transport layer	2023	New Journal of Chemistry	47	38	17908	17922	14	10.1039/d3nj03548d	Royal Society of Chemistry	11440546		Scopus
973	Article	Bora B.R.; Mondal M.; Nath N.; Datta K.K.R.; Raidongia K.	Sustainable electricity from gravity-driven nanofluidic flow of water through modified bio-channels of coir fibers	2023	Journal of Materials Chemistry A	11	39	21383	21392	9	10.1039/d3ta02105j	Royal Society of Chemistry	20507488		Scopus
974	Article	Mandal S.; Kishore A.V.; Mandal S.; Bhar B.; Mandal B.B.; Nandi S.K.; Roy M.	Controlled nano Cu precipitation through age treatment: A method to enhance the biodegradation, mechanical, antimicrobial properties and biocompatibility of Fe-20Mn-3Cu alloys	2023	Acta Biomaterialia	168		650	669	19	10.1016/j.actbio.2023.07.004	Acta Materialia Inc	17427061	All Open Access; Bronze Open Access	Scopus
975	Article	Basak S.; Paul T.; Punniyamurthy T.	A redox-neutral weak carbonyl chelation assisted C4-H allylation of indoles with vinylcyclopropanes	2023	Chemical Communications	59	77	11568	11571	3	10.1039/d3cc03614f	Royal Society of Chemistry	13597345		Scopus
976	Article	Raina K.; Joshi G.; Modak K.; Premkumar C.; Priyanka S.; Rajesh P.; Velayudhan S.R.; Thummer R.P.	Generation and characterization of induced pluripotent stem cell line IITGi001-A derived from adult human primary dermal fibroblasts	2023	Stem Cell Research	71					10.1016/j.scr.2023.103159	Elsevier B.V.	18735061	All Open Access; Gold Open Access	Scopus
977	Review	Isia I.; Hadibarata T.; Jusoh M.N.H.; Bhattacharjya R.K.; Shahedan N.F.; Fitriyani N.L.; Syafrudin M.	Identifying Factors to Develop and Validate Social Vulnerability to Floods in Malaysia: A Systematic Review Study	2023	Sustainability (Switzerland)	15	17				10.3390/su151712729	Multidisciplinary Digital Publishing Institute (MDPI)	20711050	All Open Access; Gold Open Access	Scopus
978	Article	Kalia S.; Rawat Y.; Mondal P.K.; Wongwises S.	Capillary imbibition of inelastic non-Newtonian fluids in an asymmetric flow assay	2023	European Journal of Mechanics, B/Fluids	101		22	29	7	10.1016/j.euromechflu.2023.04.012	Elsevier Ltd	9977546		Scopus
979	Article	Bhardwaj N.; Narayanan R.G.; Dixit U.S.	Experimental and numerical investigation on the effect of rotational speed on exit-hole-free friction stir spot welding with consumable pin	2023	International Journal of Material Forming	16	5				10.1007/s12289-023-01779-8	Springer-Verlag Italia s.r.l.	19606206		Scopus
980	Article	Kumar S.; Nayak S.K.; Sahu H.S.	A novel GMPP estimation technique for series parallel connected partially shaded PV array	2023	Solar Compass	7					10.1016/j.solcom.2023.100049	Elsevier Ltd	27729400	All Open Access; Gold Open Access	Scopus
981	Article	Chowdhury A.; Deka B.; Jagnani S.; Bandyopadhyay D.	Centrifugable Multiplexer Targeting Frugal Point-of-Care-Testing	2023	IEEE Journal on Flexible Electronics	2	5	343	349	6	10.1109/JFLEX.2023.3291332	Institute of Electrical and Electronics Engineers	2768167X		Scopus

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982	Article	Bhattarai S.; Mohammed M.K.A.; Madan J.; Pandey R.; Abdelkader H.; Farhat L.B.; Amami M.; Hossain M.K.	Comparative Study of Different Perovskite Active Layers for Attaining Higher Efficiency Solar Cells: Numerical Simulation Approach	2023	Sustainability (Switzerland)	15	17				10.3390/su151712805	Multidisciplinary Digital Publishing Institute (MDPI)	20711050	All Open Access; Gold Open Access	Scopus
983	Article	Kashyap A.	General Relativity, MOND, and the problem of unconceived alternatives	2023	European Journal for Philosophy of Science	13	3				10.1007/s13194-023-00532-x	Springer Science and Business Media B.V.	18794912	All Open Access; Green Open Access	Scopus
984	Article	Jraisheh A.; Chutia J.; Benidar A.; Kulkarni V.	Altitude compensating ringed nozzle	2023	Acta Astronautica	210		45	55	10	10.1016/j.actaastro.2023.05.003	Elsevier Ltd	945765		Scopus
985	Article	Bala E.; Patra S.; Singha S.	Flavour enhancement strategy for herbal beverages and kinetic modelling of their antioxidant and sensory properties in accelerated storage conditions	2023	International Journal of Gastronomy and Food Science	33					10.1016/j.ijgfs.2023.100788	AZTI-Tecnalía	1878450X		Scopus
986	Article	Bhattacharyya M.; Shadangi K.P.; Mahanta P.; Mohanty K.	Thermo-catalytic pyrolysis of sawdust by a synthesized NiO/Al2O3 composite catalyst: investigation on its reaction mechanism, kinetics, and thermodynamics	2023	Chemical Papers	77	9	4877	4903	26	10.1007/s11696-023-02826-z	Springer Science and Business Media Deutschland GmbH	3666352		Scopus
987	Note	Lenka B.K.; Bora S.N.	Metzler asymptotic stability of initial time linear time-varying real-order systems	2023	Franklin Open	4					10.1016/j.fraope.2023.100025	Elsevier B.V.	27731871	All Open Access; Gold Open Access	Scopus
988	Article	Haque M.R.; Maity D.; Mondal R.	WIMPs, FIMPs, and Inflaton phenomenology via reheating, CMB and ΔN eff	2023	Journal of High Energy Physics	2023	9				10.1007/JHEP09(2023)012	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
989	Article	Bhowmik M.; Sonowal J.; Muthukumar P.; Anandalakshmi R.	Experimental investigations on a solar assisted packed bed regeneration system for building air conditioning applications	2023	Journal of Building Engineering	74					10.1016/j.jobe.2023.106858	Elsevier Ltd	23527102		Scopus
990	Letter	Deka M.J.; Kalita P.; Das D.; Kamble A.D.; Jyoti Bora B.; Sharma P.; Jyoti Medhi B.	An approach towards building robust neural networks models using multilayer perceptron through experimentation on different photovoltaic thermal systems	2023	Energy Conversion and Management	292					10.1016/j.enconman.2023.117395	Elsevier Ltd	1968904		Scopus
991	Article	Bhattarai S.; Mohammed M.K.A.; Madan J.; Pandey R.; Ansari M.Z.; Zaki Rashed A.N.; Amami M.; Hossain M.K.	Performance Improvement of Perovskite Solar Cell Design with Double Active Layer to Achieve an Efficiency of over 31%	2023	Sustainability (Switzerland)	15	18				10.3390/su151813955	Multidisciplinary Digital Publishing Institute (MDPI)	20711050	All Open Access; Gold Open Access	Scopus
992	Article	Patel B.M.; Dwivedy S.K.	Virtual holonomic constraints based super twisting sliding mode control for motion control of planar snake robot in the uncertain underwater environment	2023	Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering	237	8	1480	1491	11	10.1177/09596518231153253	SAGE Publications Ltd	9596518		Scopus

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993	Article	Khalse N.M.; De M.	Enhanced adsorptive removal of thiophenic sulfur compounds by nitrogen-doped surfactant modified mesoporous templated carbons	2023	Fuel	347					10.1016/j.fuel.2023.128495	Elsevier Ltd	162361		Scopus
994	Article	Roy R.; Paul S.	Exploring the Curvature-Dependence of Boron Nitride Nanoparticles on the Inhibition of hIAPP Aggregation	2023	Journal of Physical Chemistry B	127	35	7558	7570	12	10.1021/acs.jpcb.3c02689	American Chemical Society	15206106		Scopus
995	Article	Cengizci S.; Natesan S.	Hybridized successive complementary expansions for solving convection-dominated 2D elliptic PDEs with boundary layers	2023	Computational and Applied Mathematics	42	6				10.1007/s40314-023-02411-w	Springer Nature	22383603		Scopus
996	Article	Kumar G.; Ravidas B.K.; Bhattarai S.; Roy M.K.; Samajdar D.P.	Exploration of the photovoltaic properties of oxide-based double perovskite Bi2FeCrO6 using an amalgamation of DFT with spin-orbit coupling effect and SCAPS-1D simulation approaches	2023	New Journal of Chemistry	47	40	18640	18658	18	10.1039/d3nj02841k	Royal Society of Chemistry	11440546		Scopus
997	Article	Kundu D.; Sarvasiddi V.L.; Bhattacharjee S.; Yamashita S.; Roy S.	Preparing Fluid Samples Under Retention Time Constraints Using Flow-Based Microfluidic Biochips	2023	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems	42	9	3021	3030	9	10.1109/TCAD.2023.3237980	Institute of Electrical and Electronics Engineers Inc.	2780070		Scopus
998	Article	Mondal N.; Dalal D.C.	Modelling of reversible tissue electroporation and its thermal effects in drug delivery	2023	European Journal of Pharmaceutics and Biopharmaceutics	190		47	57	10	10.1016/j.ejpb.2023.07.005	Elsevier B.V.	9396411	All Open Access; Green Open Access	Scopus
999	Article	Moatoshi; Borgohain C.; Kaushik S.D.; Borah J.P.	Impact of transition metal (Co and Mn) substitution on the structural and magnetic properties of BaFe12O19 nanoparticles towards permanent magnet application	2023	Applied Physics A: Materials Science and Processing	129	9				10.1007/s00339-023-06882-w	Springer Science and Business Media Deutschland GmbH	9478396		Scopus
1000	Article	Ingtipi K.; Choudhury B.J.; Moholkar V.S.	Kaolin-embedded cellulose hydrogel with tunable properties as a green fire retardant	2023	Carbohydrate Polymers	313					10.1016/j.carbpol.2023.120871	Elsevier Ltd	1448617		Scopus
1001	Article	Antony D.; Barman R.	P-Adic quotient sets: Linear recurrence sequences	2023	Bulletin of the Australian Mathematical Society	108	1	19	28	9	10.1017/S0004972722001563	Cambridge University Press	49727		Scopus
1002	Article	Gangwar S.; Ravisankar R.; Muruganandam P.; Kumar Mishra P.	Exploring the role of beyond mean-field interaction in the structure and dynamics of one-dimensional quantum droplets	2023	Journal of Physics B: Atomic, Molecular and Optical Physics	56	16				10.1088/1361-6455/ace1bc	Institute of Physics	9534075	All Open Access; Green Open Access	Scopus
1003	Article	Saikia P.J.; Muthu N.	Extrinsic/intrinsic cohesive zone modelling and experiments on interface failure of multi-walled carbon nanotube reinforced adhesively bonded joints under mode II loading	2023	Theoretical and Applied Fracture Mechanics	126					10.1016/j.tafmec.2023.103967	Elsevier B.V.	1678442		Scopus

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1004	Article	Shit S.; Behera B.K.; Biswas S.; Saikia A.K.	Regio- and Chemoselective Synthesis of 3-(Dihydrofuran-3(2H)-ylidene)isobenzofuran-1(3H)-imines via Tandem Alkynyl Prins- and Intramolecular Oxycyclization Reactions	2023	Journal of Organic Chemistry	88	15	10844	10857	13	10.1021/acs.joc.3c00909	American Chemical Society	223263		Scopus
1005	Article	Kale R.C.; Ravi K.	Impact of iron corrosion on swell pressure of compacted barmer bentonite induced with thermal history	2023	Progress in Nuclear Energy	162					10.1016/j.pnucene.2023.104787	Elsevier Ltd	1491970		Scopus
1006	Article	Fang J.; Li P.; Xue X.; Li H.; Cui D.; Zhang J.; Wang Y.; Debnath T.; Jie Y.; Huang W.; Chen R.	Realignment of Local and Charge-Transfer Excited States in Promoting Room-Temperature Phosphorescence of Organic Aggregates	2023	Chemistry of Materials	35	16	6405	6414	9	10.1021/acs.chemmater.3c01103	American Chemical Society	8974756		Scopus
1007	Article	Mishra A.; Tiwari P.; Pandey L.M.	Surface, interfacial and thermodynamic aspects of the Rhamnolipid-salt systems	2023	Journal of Molecular Liquids	384					10.1016/j.molliq.2023.122245	Elsevier B.V.	1677322		Scopus
1008	Review	Panda C.; Kumar S.; Gupta S.; Pandey L.M.	Structural, kinetic, and thermodynamic aspects of insulin aggregation	2023	Physical Chemistry Chemical Physics	25	36	24195	24213	18	10.1039/d3cp03103a	Royal Society of Chemistry	14639076		Scopus
1009	Article	Rajput A.S.; Patil A.; Das M.; Kapil S.	Post processing of low cost Aligners fabricated by additive manufacturing process to enhance the surface quality and functionality	2023	Journal of the Mechanical Behavior of Biomedical Materials	144					10.1016/j.jmbbm.2023.106003	Elsevier Ltd	17516161		Scopus
1010	Review	Sarmah M.K.; Singh T.P.; Kalita P.; Dewan A.	Sustainable hydrogen generation and storage - a review	2023	RSC Advances	13	36	25253	25275	22	10.1039/d3ra04148d	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access; Green Open Access	Scopus
1011	Article	Samanta N.S.; Anweshan; Mondal P.; Bora U.; Purkait M.K.	Synthesis of precipitated calcium carbonate from LD-slag using CO2	2023	Materials Today Communications	36					10.1016/j.mtcomm.2023.106588	Elsevier Ltd	23524928		Scopus
1012	Article	Kar P.; Venthuruthiyil S.P.; Chunchu M.	Assessing the crash risk of mixed traffic on multilane rural highways using a proactive safety approach	2023	Accident Analysis and Prevention	188					10.1016/j.aap.2023.107099	Elsevier Ltd	14575		Scopus
1013	Article	Jamir M.; Borgohain C.; Borah J.P.	Dipolar and anisotropy effect on dextran coated Cu doped ferrite for magnetic hyperthermia applications	2023	Journal of Magnetism and Magnetic Materials	580					10.1016/j.jmmm.2023.170917	Elsevier B.V.	3048853		Scopus
1014	Article	Kumari J.; Bhardwaj J.S.; Rahul N.; Agarwal P.	Oxygen Plasma Treatment of Thermally Evaporated MoO3-x Films: An Approach to Tune the Work Function	2023	ACS Applied Electronic Materials	5	8	4103	4113	10	10.1021/acsaelm.3c00343	American Chemical Society	26376113		Scopus
1015	Article	Debnath S.; Ghosh K.; Meyyappan M.; Giri P.K.	A fully printed ultrafast Si/WS2 quantum dot photodetector with very high responsivity over the UV to near-infrared region	2023	Nanoscale	15	33	13809	13821	12	10.1039/d3nr02331a	Royal Society of Chemistry	20403364		Scopus

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1016	Article	Baro R.K.; Kotecha P.; Anandalakshmi R.	Multi-objective optimization of nanofluid-based direct absorption solar collector for low-temperature applications	2023	Journal of Building Engineering	72					10.1016/j.jobe.2023.106258	Elsevier Ltd	23527102		Scopus
1017	Article	Kumar D.A.; Karjee P.; Prasad M.R.; Punniyamurthy T.; Trivedi V.	Plasmodium falciparum FIKK 9.1 kinase modeling to screen and identify potent antimalarial agents from chemical library	2023	3 Biotech	13	8				10.1007/s13205-023-03677-x	Springer Science and Business Media Deutschland GmbH	2190572X	All Open Access; Green Open Access	Scopus
1018	Article	Suresh A.; Pekkat S.; Subbiah S.	Quantifying the efficacy of Low Impact Developments (LIDs) for flood reduction in micro-urban watersheds incorporating climate change	2023	Sustainable Cities and Society	95					10.1016/j.scs.2023.104601	Elsevier Ltd	22106707		Scopus
1019	Article	Sahariah B.J.; Baishya M.J.; Namdeo A.; Khanikar P.	A novel strategy to design lattice structures with zero Poisson's ratio	2023	Engineering Structures	288					10.1016/j.engstruct.2023.116214	Elsevier Ltd	1410296		Scopus
1020	Article	Bisht G.S.; Pal D.	Multilevel thermal memory cell based on cyclic temperature experiment under glassy phase of frustrated magnet	2023	Journal of Physics D: Applied Physics	56	32				10.1088/1361-6463/acd1fb	Institute of Physics	223727		Scopus
1021	Article	Fischer T.L.; Bödecker M.; Schweer S.M.; Dupont J.; Lepère V.; Zehnacker-Rentien A.; Suhm M.A.; Schröder B.; Henkes T.; Andrada D.M.; Balabin R.M.; Singh H.K.; Bhattacharyya H.P.; Sarma M.; Käser S.; Töpfer K.; Vazquez-Salazar L.I.; Boittier E.D.; Meuwly M.; Mandelli G.; Lanzi C.; Conte R.; Ceotto M.; Dietrich F.; Cisternas V.; Gnanasekaran R.; Hippler M.; Jarraya M.; Hochlaf M.; Viswanathan N.; Nevolianis T.; Rath G.; Kopp W.A.; Leonhard K.; Mata R.A.	The first HyDRA challenge for computational vibrational spectroscopy	2023	Physical Chemistry Chemical Physics	25	33	22089	22102	13	10.1039/d3cp01216f	Royal Society of Chemistry	14639076		Scopus
1022	Article	Thakwani Y.; Karwa A.; BG P.K.; Purkait M.K.; Changmai M.	A composite starch-date seeds extract based biodegradable film for food packaging application	2023	Food Bioscience	54					10.1016/j.fbio.2023.102818	Elsevier Ltd	22124292		Scopus
1023	Review	Das R.; Gandhi I.S.R.; Palanisamy M.	A Critical Review on Properties of PCM-Incorporated Cementitious Building Materials	2023	Advances in Civil Engineering Materials	12	1	271	294	23	10.1520/ACEM20220053	ASTM International	23791357		Scopus
1024	Article	Pandey D.; Mondal P.K.	Dielectric layer modulated nanofluidic transport: Formation of parent-sister vortices	2023	Physics of Fluids	35	8				10.1063/5.0158804	American Institute of Physics Inc.	10706631		Scopus
1025	Article	Kumari S.; Deka B.; Singh K.K.	Serine-rich domain of RNPS1 functions in activation of alternative splicing	2023	Genes to Cells	28	8	615	623	8	10.1111/gtc.13036	John Wiley and Sons Inc	13569597		Scopus

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1026	Article	Sahoo S.; Bhuyan M.; Sahu A.K.; Alagarsamy P.; Sahoo D.	Photodegradation of methylene blue by metal-nanoparticles-modulated-graphene-based composites: An efficient way of sewage water management	2023	Solid State Sciences	142					10.1016/j.solidstatesciences.2023.107255	Elsevier Masson s.r.l.	12932558		Scopus
1027	Article	Maity B.; Nayak S.K.	Compact bowtie-shaped microstrip patch antennas with low cross-polarization and wideband harmonic suppression	2023	AEU - International Journal of Electronics and Communications	168					10.1016/j.aeue.2023.154699	Elsevier GmbH	14348411		Scopus
1028	Review	Badirujjaman M.; Pal N.; Bhabak K.P.	Small-molecule organoselenocyanates: Recent developments toward synthesis, anticancer, and antioxidant activities	2023	Current Opinion in Chemical Biology	75					10.1016/j.cbpa.2023.102337	Elsevier Ltd	13675931		Scopus
1029	Article	De S.; Das G.	Surfactant-induced disaggregation of a quinoxaline AIEn scaffold: aggregation aptitude in the solid and solution states	2023	Soft Matter	19	32	6116	6121	5	10.1039/d3sm00638g	Royal Society of Chemistry	1744683X		Scopus
1030	Article	Sharma V.; Sharma D.; Anand A.	Hybrid Multi-Scale Convolutional Long Short-Term Memory Network for Remaining Useful Life Prediction and Offset Analysis	2023	Journal of Computing and Information Science in Engineering	23	4				10.1115/1.4056433	American Society of Mechanical Engineers (ASME)	15309827		Scopus
1031	Article	Gangwar M.S.; Agarwal P.	Plasmon-enhanced photoluminescence and Raman spectroscopy of silver nanoparticles grown by solid state dewetting	2023	Journal of Physics Condensed Matter	35	32				10.1088/1361-648X/acd1cd	Institute of Physics	9538984		Scopus
1032	Article	Bhatti T.M.; Kumar A.; Parihar A.; Moncy H.K.; Emge T.J.; Waldie K.M.; Hasanayn F.; Goldman A.S.	Metal-Ligand Proton Tautomerism, Electron Transfer, and C(sp ³)-H Activation by a 4-Pyridinyl-Pincer Iridium Hydride Complex	2023	Journal of the American Chemical Society	145	33	18296	18306	10	10.1021/jacs.3c03376	American Chemical Society	27863	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1033	Article	Mukherjee D.; Das P.; Kundu S.; Mohan Kundu L.; Mandal B.	Graphene quantum dots decorated MIL-100(Fe) composites for dye degradation	2023	Journal of Photochemistry and Photobiology A: Chemistry	442					10.1016/j.jphotochem.2023.114776	Elsevier B.V.	10106030		Scopus
1034	Article	Kumar R.; Kumar N.; Chandel S.; Tiwari A.; Bag A.; Kumar Ghorai P.; Ghosh N.; Shunmugam R.	Functional Polymer Material with Efficient Optical Tunability	2023	ChemistrySelect	8	29				10.1002/slct.202302213	John Wiley and Sons Inc	23656549		Scopus
1035	Article	Modak R.; Singh B.	Numerical study on settlement-dependent variation of raft-soil-pile interactions for large piled raft in clay soil	2023	Ocean Engineering	281					10.1016/j.oceaneng.2023.115011	Elsevier Ltd	298018		Scopus
1036	Article	Borbora A.; Xu Y.; Dey S.; Wang X.; Yao Y.; Mandal B.B.; Wang X.; Manna U.	Lubricated Interfaces Enabling Simultaneous Pulsatile and Continuous Chemical Release Modes	2023	Advanced Materials	35	31				10.1002/adma.202302264	John Wiley and Sons Inc	9359648		Scopus

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1037	Article	De A.K.; Sarkar S.; Naren M.	Vortex-induced vibration of an elastically mounted cylinder subject to planar inflow shear	2023	Journal of Fluids and Structures	121					10.1016/j.jfluidstructs.2023.103940	Academic Press	8899746		Scopus
1038	Article	Biswas R.; Sharma D.	Chaos control assisted single-loop multi-objective reliability-based design optimization using differential evolution	2023	Swarm and Evolutionary Computation	81					10.1016/j.swevo.2023.101340	Elsevier B.V.	22106502		Scopus
1039	Review	Tiwari S.K.; Kim K.-H.; Singh R.S.; Lee J.; Kim T.; Mahlkecht J.; Giri B.S.; Kumar M.	A critical review on CO2 sequestration using construction and demolition waste: Future scope and perspective	2023	Environmental Engineering Research	29	3				10.4491/eer.2023.256	Korean Society of Environmental Engineers	12261025	All Open Access; Gold Open Access	Scopus
1040	Article	Dhobale K.V.; Murugan B.; Deb R.; Kumar S.; Sahoo L.	Molecular Epidemiology of Begomoviruses Infecting Mungbean from Yellow Mosaic Disease Hotspot Regions of India	2023	Applied Biochemistry and Biotechnology	195	8	5158	5179	21	10.1007/s12010-023-04402-3	Springer	2732289		Scopus
1041	Article	Sarmah H.S.; Ghosh S.	Stacking and layer dependence of magnetic properties in Ti2C and Fe2C	2023	Journal of Physics D: Applied Physics	56	34				10.1088/1361-6463/accf24	Institute of Physics	223727		Scopus
1042	Article	Khatiwoda N.; Panda A.N.	Comparison of excited states between thiophene-furan with thiophene-pyrrole oligomers: A computational study at the RI-ADC(2) level	2023	Chemical Physics Letters	825					10.1016/j.cplett.2023.140618	Elsevier B.V.	92614		Scopus
1043	Article	Mishra H.; Bhattacharjee P.; Nemade H.B.	Acoustical control of charge movement in an organic semiconductor	2023	Sensors and Actuators A: Physical	358					10.1016/j.sna.2023.114451	Elsevier B.V.	9244247		Scopus
1044	Article	Vashi Y.; Nehru G.; Kumar S.	Niclosamide inhibits Newcastle disease virus replication in chickens by perturbing the cellular glycolysis	2023	Virology	585		196	204	8	10.1016/j.virol.2023.06.010	Academic Press Inc.	426822	All Open Access; Bronze Open Access	Scopus
1045	Article	Kommadath R.; Maharana D.; Kotecha P.	An effective strategy for solving single and multi-unit production planning models with unique process constraints using metaheuristic techniques	2023	Expert Systems with Applications	224					10.1016/j.eswa.2023.119813	Elsevier Ltd	9574174		Scopus
1046	Article	Kalimullah N.M.-M.; Shelke A.; Habib A.	A probabilistic framework for source localization in anisotropic composite using transfer learning based multi-fidelity physics informed neural network (mfPINN)	2023	Mechanical Systems and Signal Processing	197					10.1016/j.ymssp.2023.110360	Academic Press	8883270		Scopus
1047	Article	Tiwari A.; Pankaj P.; Biswas P.; Kumar A.	Characterization of ultrafine grain tungsten carbide tool and its wear investigation in friction stir welding of HSLA steel	2023	Tribology International	186					10.1016/j.triboint.2023.108579	Elsevier Ltd	0301679X		Scopus
1048	Article	Gupta P.; Pal D.	Exploration of low field magnetic states in Nd 1–x CexCrO3	2023	Journal of Physics Condensed Matter	35	34				10.1088/1361-648X/acd7bc	Institute of Physics	9538984		Scopus
1049	Article	Kulkarni N.D.; Saha A.; Kumari P.	The development of a low-cost, sustainable bamboo-based flexible bio composite for impact sensing and mechanical energy harvesting applications	2023	Journal of Applied Polymer Science	140	29				10.1002/app.54040	John Wiley and Sons Inc	218995		Scopus

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1050	Review	Sonbhadra S.; Mehak; Pandey L.M.	Biogenesis, Isolation, and Detection of Exosomes and Their Potential in Therapeutics and Diagnostics	2023	Biosensors	13	8				10.3390/bios13080802	Multidisciplinary Digital Publishing Institute (MDPI)	20796374	All Open Access; Gold Open Access; Green Open Access	Scopus
1051	Article	Dey S.; Patel A.; Haloi N.; Srimayee S.; Paul S.; Barik G.K.; Akhtar N.; Shaw D.; Hazarika G.; Prusty B.M.; Kumar M.; Santra M.K.; Tajkhorshid E.; Bhattacharjee S.; Manna D.	Quinoline Thiourea-Based Zinc Ionophores with Antibacterial Activity	2023	Journal of Medicinal Chemistry	66	16	11078	11093	15	10.1021/acs.jmedchem.3c00368	American Chemical Society	222623		Scopus
1052	Article	Das A.K.; Acharyya K.; Mankodi T.K.; Saha U.K.	Fluidic Thrust Vector Control of Aerospace Vehicles: State-of-the-Art Review and Future Prospects	2023	Journal of Fluids Engineering, Transactions of the ASME	145	8				10.1115/1.4062109	American Society of Mechanical Engineers (ASME)	982202		Scopus
1053	Article	Sharma R.; Nemade H.B.	Cadmium sulfide deposition suited for photo pattern-based SAW device	2023	Analog Integrated Circuits and Signal Processing	116	#####	15	22	7	10.1007/s10470-023-02172-w	Springer	9251030		Scopus
1054	Article	Pandey P.; Bhowmick S.; Qureshi M.	Magnetically Triggered Interplay of Capacitive and Diffusion Contributions for Boosted Supercapacitor Performance	2023	ACS Applied Materials and Interfaces	15	33	39435	39447	12	10.1021/acsami.3c08988	American Chemical Society	19448244		Scopus
1055	Article	Kumar M.; Mondal P.K.	Leveraging perturbation method for the analysis of field-driven microflow of Carreau fluid	2023	Microfluidics and Nanofluidics	27	8				10.1007/s10404-023-02657-0	Springer Science and Business Media Deutschland GmbH	16134982		Scopus
1056	Article	Paul R.; Sawoo D.; Devi M.; Paul S.	Inhibitory action of indanone-carbamate hybrid molecules on the aggregation of Aβ16–22 peptides and their translocation across POPC lipid bilayer	2023	Journal of Molecular Liquids	383					10.1016/j.molliq.2023.122028	Elsevier B.V.	1677322		Scopus
1057	Article	Bhat C.; Kumar A.; Lin S.-C.; Jeng J.-Y.	Design of tessellation based load transfer mechanisms in additively manufactured lattice structures to obtain hybrid responses	2023	Additive Manufacturing	76					10.1016/j.addma.2023.103774	Elsevier B.V.	22148604		Scopus
1058	Article	Khandelia T.; Ghosh S.; Panigrahi P.; Mandal R.; Boruah D.; Patel B.K.	Photo-induced 1,2-thiohydroxylation of maleimide involving disulfide and singlet oxygen	2023	Chemical Communications	59	75	11196	11199	3	10.1039/d3cc03296e	Royal Society of Chemistry	13597345		Scopus
1059	Article	Roy-Chowdhury M.; Jena S.K.; Khadse V.P.; Joshi D.C.; Thota S.	The role of Zn and Ru substitution on the structural, magnetic and dielectric properties of ferrite cuprospinel	2023	Journal of Physics D: Applied Physics	56	35				10.1088/1361-6463/acd5dd	Institute of Physics	223727		Scopus
1060	Article	Deka P.; Roy S.; Jyoti Konch T.; Rani Bora B.; Gogoi R.; Bikash Neog A.; Sundararajan K.; Subbiah S.; Raidongia K.	Recovering electrical energy from forward osmosis process through amorphous silicon oxide crosslinked vanadium pentoxide-reduced graphene oxide membrane	2023	Chemical Engineering Journal	469					10.1016/j.cej.2023.143964	Elsevier B.V.	13858947		Scopus

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1061	Article	Barman J.; Roy M.; Kumar B.	Velocity estimation in compound channels with different bank slopes using Renyi and Tsallis entropy	2023	Stochastic Environmental Research and Risk Assessment	37	8	2869	2884	15	10.1007/s00477-023-02423-2	Springer Science and Business Media Deutschland GmbH	14363240		Scopus
1062	Article	Pal U.; Manjegowda M.C.; Singh N.; Saikia S.; Philip B.S.; Jyoti Kalita D.; Kumar Rai A.; Sarma A.; Raphael V.; Modi D.; Chandra Katakai A.; Mukund Limaye A.	The G-protein-coupled estrogen receptor, a gene co-expressed with ERα in breast tumors, is regulated by estrogen-ERα signalling in ERα positive breast cancer cells	2023	Gene	877					10.1016/j.gene.2023.147548	Elsevier B.V.	3781119		Scopus
1063	Article	Bhowmik T.; Chowdhary A.K.; Sikdar D.	Polarization- and Angle-Insensitive Tunable Metasurface for Electro-Optic Modulation	2023	IEEE Photonics Technology Letters	35	16	879	882	3	10.1109/LPT.2023.3256584	Institute of Electrical and Electronics Engineers Inc.	10411135		Scopus
1064	Article	Sarma S.; Sur A.	DiRaC-I: Identifying Diverse and Rare Training Classes for Zero-Shot Learning	2023	ACM Transactions on Multimedia Computing, Communications and Applications	20	1				10.1145/3603147	Association for Computing Machinery	15516857	All Open Access; Green Open Access	Scopus
1065	Article	Sarmah M.; Deb S.K.; Dutta A.	Hybrid Simulation for Evaluation of Seismic Performance of Highway Bridge with Pier Retrofitted Using Fe-SMA Strips	2023	Journal of Bridge Engineering	28	8				10.1061/JBENF2.BEENG-6047	American Society of Civil Engineers (ASCE)	10840702		Scopus
1066	Article	Zhang J.; Wang J.; Li J.; Debnath T.; Zhou R.; Wang Z.; Xu L.; Wang X.; Qin C.; Xu D.; Yang S.; Li M.-D.; Li D.-S.; Wu T.	Atomic-Level Insights into Manganese-Environment-Related Photophysical Properties of II-III-VI Quantum Dots Using Well-Defined Nanofragments	2023	Journal of Physical Chemistry C	127	32	15951	15961	10	10.1021/acs.jpcc.3c03940	American Chemical Society	19327447		Scopus
1067	Article	Nagendraprasad G.; Adupa V.; Anki Reddy K.; Das C.; Karan S.	Semiaromatic Polyamide-Based Membrane in Forward Osmosis: Molecular Insights	2023	Journal of Physical Chemistry B	127	30	6751	6766	15	10.1021/acs.jpcb.3c01922	American Chemical Society	15206106		Scopus
1068	Article	Gupta S.; Dasmahapatra A.K.	Lycopene destabilizes preformed Aβ fibrils: Mechanistic insights from all-atom molecular dynamics simulation	2023	Computational Biology and Chemistry	105					10.1016/j.compbiolchem.2023.107903	Elsevier Ltd	14769271		Scopus
1069	Article	Sahu S.; Mohapatra P.P.; Karnajit Singh H.; Dobbidi P.	Enhanced microwave absorbing performance of Sr2+ substituted Nickel-Cobalt nano ferrite for radar and stealth applications	2023	Materials Science and Engineering: B	294					10.1016/j.mseb.2023.116514	Elsevier Ltd	9215107		Scopus
1070	Article	Kuriakose V.; Bishwas S.K.; Mohandas N.P.	Does bullying among students hamper their well-being? Roles of helplessness and psychological capital	2023	International Journal of Educational Management	37	5	1104	1123	19	10.1108/IJEM-10-2022-0437	Emerald Publishing	0951354X		Scopus
1071	Article	Hossain M.K.; Uddin M.S.; Toki G.F.I.; Mohammed M.K.A.; Pandey R.; Madan J.; Rahman M.F.; Islam M.R.; Bhattarai S.; Bencherif H.; Samajdar D.P.; Amami M.; Dwivedi D.K.	Achieving above 24% efficiency with non-toxic CsSnI3 perovskite solar cells by harnessing the potential of the absorber and charge transport layers	2023	RSC Advances	13	34	23514	23537	23	10.1039/d3ra02910g	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access; Green Open Access	Scopus

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1072	Article	Kumar I.; Tripathi B.K.; Singh A.	Attention-based LSTM network-assisted time series forecasting models for petroleum production	2023	Engineering Applications of Artificial Intelligence	123					10.1016/j.engappai.2023.106440	Elsevier Ltd	9521976		Scopus
1073	Article	Narzary A.; Brahma J.; Das A.K.	Utilization of waste rice straw for charcoal briquette production using three different binder	2023	Cleaner Energy Systems	5					10.1016/j.cles.2023.100072	Elsevier B.V.	27727831	All Open Access; Gold Open Access	Scopus
1074	Article	Islam M.; Biswas T.; Basu S.	Effect of magnetic field on the electronic properties of an α -T3 ring	2023	Physical Review B	108	8				10.1103/PhysRevB.108.085423	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
1075	Article	Jyotishi D.; Dandapat S.	An Attentive Spatio-Temporal Learning-Based Network for Cardiovascular Disease Diagnosis	2023	IEEE Transactions on Systems, Man, and Cybernetics: Systems	53	8	4661	4671	10	10.1109/TSMC.2023.3257022	Institute of Electrical and Electronics Engineers Inc.	21682216		Scopus
1076	Article	Singh A.P.; Baruah J.B.	π -Stacking among the Anthracenyl Groups of a Copper Complex Resulted in Doubling of Unit Cell Volume To Provide New Polymorphs	2023	ACS Omega	8	33	30776	30787	11	10.1021/acsomega.3c05132	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
1077	Article	Baban N.S.; Saha S.; Jancheska S.; Singh I.; Khapli S.; Khobdabayev M.; Kim J.; Bhattacharjee S.; Song Y.-A.; Chakrabarty K.; Karri R.	Material-level countermeasures for securing microfluidic biochips	2023	Lab on a Chip	23	19	4213	4231	18	10.1039/d3lc00335c	Royal Society of Chemistry	14730197		Scopus
1078	Article	Deb A.; Gogoi M.; Mandal T.K.; Sinha S.; Pattader P.S.G.	Specific Instantaneous Detection of Klebsiella pneumoniae for UTI Diagnosis with a Plasmonic Gold Nanoparticle Conjugated Aptasensor	2023	ACS Applied Bio Materials	6	8	3309	3318	9	10.1021/acsabm.3c00369	American Chemical Society	25766422		Scopus
1079	Article	Prasad N.K.; Ghosh S.S.; Dalal A.	Understanding Deformation and Breakup Tendency of Shear-Thinning Viscoelastic Drops in Constricted Microchannels	2023	Langmuir	39	34	11975	11991	16	10.1021/acs.langmuir.3c00716	American Chemical Society	7437463		Scopus
1080	Article	Das P.; Chattopadhyay A.	Moiré superlattices of two-dimensional copper nanocluster assemblies with tuneable twin emissions from hierarchical components leading to white light emission	2023	Journal of Materials Chemistry C	11	35	12029	12036	7	10.1039/d3tc02193a	Royal Society of Chemistry	20507526		Scopus
1081	Article	Kumar R.; Saini G.K.; Jawed M.	Assessing recovery potential of aerobic sludge biomass stressed with amoxicillin	2023	Environmental Technology and Innovation	31					10.1016/j.eti.2023.103225	Elsevier B.V.	23521864		Scopus
1082	Article	Singha T.B.; Palathinkal R.P.; Ahamed S.R.	Securing AES Designs Against Power Analysis Attacks: A Survey	2023	IEEE Internet of Things Journal	10	16	14332	14356	24	10.1109/JIOT.2023.3265683	Institute of Electrical and Electronics Engineers Inc.	23274662		Scopus

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1083	Article	Mazumder J.T.; Jha R.K.; Kim H.W.; Kim S.S.	Capacitive Toxic Gas Sensors Based on Oxide Composites: A Review	2023	IEEE Sensors Journal	23	16	17842	17853	11	10.1109/JSEN.2023.3289835	Institute of Electrical and Electronics Engineers Inc.	1530437X		Scopus
1084	Article	Pemmana H.R.; Barnwal P.K.; Uppaluri R.V.; Peela N.R.	Selective aerobic-oxidation of glycerol to lactic acid over ruthenium-vanadium bimetallic catalysts	2023	Journal of Industrial and Engineering Chemistry	124		224	231	7	10.1016/j.jiec.2023.04.010	Korean Society of Industrial Engineering Chemistry	1226086X		Scopus
1085	Article	Dhara S.; Shekhar Samanta N.; Das P.P.; Uppaluri R.V.S.; Purkait M.K.	Ravenna Grass-Extracted Alkaline Lignin-Based Polysulfone Mixed Matrix Membrane (MMM) for Aqueous Cr(VI) Removal	2023	ACS Applied Polymer Materials	5	8	6399	6411	12	10.1021/acsapm.3c00999	American Chemical Society	26376105		Scopus
1086	Article	Borbora A.; Dhar M.; Shome A.; Barman N.; Roy S.; Manna U.	Chemically Customizing Mechanical Properties and Optical Transparency in Underwater Superoleophobic Coating	2023	Advanced Functional Materials	33	33				10.1002/adfm.202302569	John Wiley and Sons Inc	1616301X		Scopus
1087	Article	Rani J.R.; Das N.C.; Kim M.; Thangavel R.; Kim S.T.; Lee Y.S.; Jang J.-H.	Realizing high energy density supercapacitors assisted by light-induced charging	2023	Journal of Power Sources	576					10.1016/j.jpowsour.2023.233197	Elsevier B.V.	3787753	All Open Access; Hybrid Gold Open Access	Scopus
1088	Article	Patawar M.; Kapoor K.	Density of distinct squares in non-primitive words	2023	Information Processing Letters	182					10.1016/j.ipl.2023.106367	Elsevier B.V.	200190		Scopus
1089	Article	Gogoi R.; Madeshwaran H.; Ghosh A.; Green Y.; Raidongia K.	Ionic Thermoelectric Properties of Reconstructed Lamellar Vanadium Pentoxide Membranes	2023	Advanced Functional Materials	33	32				10.1002/adfm.202301178	John Wiley and Sons Inc	1616301X		Scopus
1090	Review	Sahoo A.K.; Barik D.; Dam B.; Patel B.K.	Metal-Free Visible-light Mediated C–S Bond Formation	2023	Asian Journal of Organic Chemistry	12	8				10.1002/ajoc.202300252	John Wiley and Sons Inc	21935807		Scopus
1091	Article	Singh S.; Gokhale S.	Modeling the dispersion of traffic-derived black carbon emissions into hilly terrain	2023	Environmental Monitoring and Assessment	195	8				10.1007/s10661-023-11554-6	Springer Science and Business Media Deutschland GmbH	1676369	All Open Access; Green Open Access	Scopus
1092	Article	Rondiya S.R.; Mali S.S.; Roy A.; Inwati G.K.; Rahane G.K.; Jadhav Y.A.; Suresh S.; Debnath T.; Hong C.K.; Dzade N.Y.	Interfacial band offset engineering with barium-doping towards enhanced performance of all inorganic CsPbI2Br perovskite solar cells	2023	Physical Chemistry Chemical Physics	25	42	29050	29060	10	10.1039/d3cp02935b	Royal Society of Chemistry	14639076		Scopus
1093	Article	Prusty B.M.; Karn R.; Patel A.; Mazumder P.; Kumar S.; Manna D.	Stimuli-responsive assembly and disassembly of anionic suprasomes with tunable antibacterial activity	2023	Chemical Communications	59	71	10624	10627	3	10.1039/d3cc02729e	Royal Society of Chemistry	13597345		Scopus
1094	Article	Yadav K.S.; Kirupakaran A.M.; Laskar R.H.; Bhuyan M.K.	Detection, tracking, and recognition of isolated multi-stroke gesticulated characters	2023	Pattern Analysis and Applications	26	3	987	1012	25	10.1007/s10044-023-01137-z	Springer Science and Business Media Deutschland GmbH	14337541		Scopus
1095	Article	Bhat C.; Kumar A.; Lin S.-C.; Jeng J.-Y.	Adaptive mechanical properties and stretchability of novel chainmail fabrics based on overlapping tessellation strategies	2023	Additive Manufacturing	76					10.1016/j.addma.2023.103777	Elsevier B.V.	22148604		Scopus

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1096	Article	Saikumar G.; Sahu K.K.; Saha P.	Design of fractional-order IMC for nonlinear chemical processes with time delay	2023	International Journal of Dynamics and Control	11	4	1797	1807	10	10.1007/s40435-022-01087-0	Springer Science and Business Media Deutschland GmbH	2195268X		Scopus
1097	Article	Kiran U.; Sharma D.; Gautam S.S.	A GPU-based framework for finite element analysis of elastoplastic problems	2023	Computing	105	8	1673	1696	23	10.1007/s00607-023-01169-7	Springer	0010485X		Scopus
1098	Article	Fang J.; Wang Y.; Kurashvili M.; Rieger S.; Kasprzyk W.; Wang Q.; Stolarczyk J.K.; Feldmann J.; Debnath T.	Simultaneous Hydrogen Generation and Exciplex Stimulated Emission in Photobasic Carbon Dots	2023	Angewandte Chemie - International Edition	62	33				10.1002/anie.202305817	John Wiley and Sons Inc	14337851	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1099	Article	Chanu S.A.; Sonkar R.K.	High coupling efficiency photonic crystal waveguide for compact channel drop filter design on silicon-on-insulator platform	2023	Optical Engineering	62	8				10.1117/1.OE.62.8.087101	SPIE	913286		Scopus
1100	Review	Silori R.; Shrivastava V.; Mazumder P.; Kumar M.	Antimicrobial resistance surge in the context of pollution, war, and pandemic	2023	Current Opinion in Environmental Science and Health	34					10.1016/j.coesh.2023.100479	Elsevier B.V.	24685844	All Open Access; Bronze Open Access	Scopus
1101	Article	Katare A.; Mandal B.	Green-Synthesized HF-free MIL-100(Fe) Nanoparticle-Infused Chitosan Mixed-Matrix Membranes for Enhanced CO2 Permeance	2023	Industrial and Engineering Chemistry Research	62	28	11151	11164	13	10.1021/acs.iecr.3c01648	American Chemical Society	8885885		Scopus
1102	Article	Mawa I.; Panda A.N.	Theoretical Investigation of the E/ Z Photoisomerization Pathway in 1-(2-Pyrrolyl)-2-(2-thienyl)ethylene	2023	Journal of Physical Chemistry A	127	27	5673	5682	9	10.1021/acs.jpca.3c02184	American Chemical Society	10895639		Scopus
1103	Article	Maheshwari A.; Misra S.; Gudi R.; Subbiah S.; Laspidou C.	An Operational Scheduling Framework for Tanker-Based Water Distribution Systems under Uncertainty	2023	Industrial and Engineering Chemistry Research	62	27	10523	10541	18	10.1021/acs.iecr.3c00496	American Chemical Society	8885885	All Open Access; Green Open Access	Scopus
1104	Article	Das J.K.; Pradhan B.	Significance of chloride salt type and sulfate salt on chloride transport mechanism of concrete in the presence of corrosion inhibiting admixtures	2023	Construction and Building Materials	387					10.1016/j.conbuildmat.2023.131658	Elsevier Ltd	9500618		Scopus
1105	Article	Konwar B.; Mullick P.; Das G.; Ramesh A.	Anthraquinone-Based Ligands as MNase Inhibitors: Insights from Inhibition Studies and Generation of a Payload Nanocarrier for Potential Anti-MRSA Therapy	2023	ChemMedChem	18	13				10.1002/cmdc.202200711	John Wiley and Sons Ltd	18607179		Scopus
1106	Article	De A.K.; Sarkar S.	Injection and Escape: A new model on the thrust generated by a thin pitching plate	2023	Physics of Fluids	35	8				10.1063/5.0167944	American Institute of Physics Inc.	10706631		Scopus

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1107	Article	Panigrahi P.; Ghosh S.; Khandelia T.; Mandal R.; Patel B.K.	Isoxazole as a nitrile synthon: en routes to the ortho-alkenylated isoxazole and benzonitrile with allyl sulfone catalyzed by Ru(ii)	2023	Chemical Communications	59	70	10536	10539	3	10.1039/d3cc02996d	Royal Society of Chemistry	13597345		Scopus
1108	Article	Chattopadhyay J.; Laxmi H.; Saikia A.	On the p-rationality of consecutive quadratic fields	2023	Journal of Number Theory	248		14	26	12	10.1016/j.jnt.2023.01.001	Academic Press Inc.	0022314X	All Open Access; Green Open Access	Scopus
1109	Review	Basak M.; Das G.	Fluorescent Probes for Detection of Environmental Contaminants (NACs & VOCs): Probe Design from a Supramolecular Perspective	2023	ChemPlusChem	88	7				10.1002/cplu.202300179	John Wiley and Sons Inc	21926506		Scopus
1110	Article	Harmel M.; Sauer R.A.	New hybrid quadrature schemes for weakly singular kernels applied to isogeometric boundary elements for 3D Stokes flow	2023	Engineering Analysis with Boundary Elements	153		172	200	28	10.1016/j.enganabound.2023.04.037	Elsevier Ltd	9557997	All Open Access; Green Open Access	Scopus
1111	Erratum	Mondal S.S.; Swain J.	Correction: Restriction theorem for the Fourier–Hermite transform and solution of the Hermite–Schrödinger equation (Advances in Operator Theory, (2022), 7, 4, (44), 10.1007/s43036-022-00208-y)	2023	Advances in Operator Theory	8	3				10.1007/s43036-023-00276-8	Birkhauser	2538225X	All Open Access; Bronze Open Access	Scopus
1112	Article	Sarma A.K.; Kalita S.	Tutorial: Cavity Quantum Optomechanics	2023	Indian Journal of Pure and Applied Physics	61	7	622	634	12	10.56042/ijpap.v61i7.103	National Institute of Science Communication and Policy Research	195596	All Open Access; Gold Open Access; Green Open Access	Scopus
1113	Article	Mitra S.; Ghoreyshi S.M.; Mosallanezhad A.; Abbassi S.; Das S.	Global transonic solution of hot accretion flow with thermal conduction	2023	Monthly Notices of the Royal Astronomical Society	523	3	4431	4440	9	10.1093/mnras/stad1682	Oxford University Press	358711	All Open Access; Green Open Access	Scopus
1114	Short survey	Garai R.; Gupta R.K.; Iyer P.K.	Trap State Passivation for Stabilizing Perovskite Solar Cells via Multifunctional Molecules	2023	Accounts of Materials Research	4	7	560	565	5	10.1021/accountsmr.2c00207	American Chemical Society	26436728		Scopus
1115	Article	Parmar P.R.; Mahanta J.; Dubey S.; Mandal T.K.; Bandyopadhyay D.	Real-Time Monitoring of Glycemic Starch Using Biosynthesized Gold Nanoparticle-Amylase Composites	2023	ACS Sustainable Chemistry and Engineering	11	28	10509	10519	10	10.1021/acssuschemeng.3c02292	American Chemical Society	21680485		Scopus
1116	Article	Bazmara M.; Sauer R.A.; Agrawal A.	Biomimetic torene shells	2023	Mathematics and Mechanics of Solids	28	8	1926	1935	9	10.1177/10812865221146743	SAGE Publications Inc.	10812865		Scopus
1117	Article	Murari H.; Ghosh S.	Structural arrangement and improved thermoelectric figure of merit in hexagonal SiX (X = N, P, As, Sb, Bi) monolayers: understanding from first-principles calculations	2023	Journal of Physics D: Applied Physics	56	29				10.1088/1361-6463/accaf5	Institute of Physics	223727		Scopus

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1118	Article	Debnath S.; Kumar D.; Vasudev P.G.; Chatterjee S.	Helices in Peptides Containing Differentially Geminally Di-substituted γ Amino Acid Residues	2023	ChemistrySelect	8	25				10.1002/slct.202301352	John Wiley and Sons Inc	23656549		Scopus
1119	Article	Hemdan B.A.; Jadhav D.A.; Dutta A.; Goswami P.	Facilitating the electrochemical characterization and biofilm enrichment through anode modification in microbial fuel cells	2023	Journal of Water Process Engineering	54					10.1016/j.jwpe.2023.104065	Elsevier Ltd	22147144		Scopus
1120	Article	Bhattacharya S.; Biswas S.; Pal K.; Wudka J.	Associated production of Higgs and single top at the LHC in presence of the SMEFT operators	2023	Journal of High Energy Physics	2023	8				10.1007/JHEP08(2023)015	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
1121	Article	Debnath B.; Sarkar T.; Karjee P.; Purkayastha S.K.; Guha A.K.; Punniyamurthy T.	Palladium-Catalyzed Annulative Coupling of Spirovinylcyclopropyl Oxindoles with p-Quinone Methides	2023	Journal of Organic Chemistry	88	14	9704	9719	15	10.1021/acs.joc.3c00173	American Chemical Society	223263		Scopus
1122	Article	Kar S.; Jha K.N.	Examining the Effect of Material Management Practices on Material Availability and Waste Reduction in Construction Projects	2023	Journal of Construction Engineering and Management	149	8				10.1061/JCEMD4.COENG-13589	American Society of Civil Engineers (ASCE)	7339364		Scopus
1123	Article	Lande J.; Pillay A.; Chandra R.	Deep learning for COVID-19 topic modelling via Twitter: Alpha, Delta and Omicron	2023	PLoS ONE	18	#####				10.1371/journal.pone.0288681	Public Library of Science	19326203	All Open Access; Gold Open Access; Green Open Access	Scopus
1124	Article	Bisarya A.; Jasra R.V.; Kumar A.	NNN Pincer-Manganese-Catalyzed Guerbet-Type β-Alkylation of Alcohols under Microwave Irradiation	2023	Organometallics	42	14	1818	1831	13	10.1021/acs.organomet.3c00132	American Chemical Society	2767333		Scopus
1125	Article	Beere H.K.; Kulkarni P.; Maiti U.N.; Balakrishna R.G.; Mukherjee P.; Jung H.Y.; Samanta K.; Ghosh D.	Achieving favourable oxygen electrocatalytic activity with compositionally complex metal molybdates	2023	Sustainable Energy and Fuels	7	17	4303	4316	13	10.1039/d3se00736g	Royal Society of Chemistry	23984902		Scopus
1126	Article	Bansal S.; Natesan S.	Richardson extrapolation technique for generalized Black–Scholes PDEs for European options	2023	Computational and Applied Mathematics	42	5				10.1007/s40314-023-02372-0	Springer Nature	22383603		Scopus
1127	Article	Suresh A.; Pekkat S.	Importance of Copula-Based Bivariate Rainfall Intensity-Duration-Frequency Curves for an Urbanized Catchment Incorporating Climate Change	2023	Journal of Hydrologic Engineering	28	7				10.1061/JHYEFF.HEENG-5577	American Society of Civil Engineers (ASCE)	10840699		Scopus
1128	Article	More S.M.; Kakati J.; Saha U.K.	Evaluating the Operating Parameters of a Compression Ignition Engine Fueled With Waste Cooking Oil—Diesel Blends Using Artificial Neural Network and Ensemble Methods	2023	Journal of Engineering for Gas Turbines and Power	145	7				10.1115/1.4062411	American Society of Mechanical Engineers (ASME)	7424795		Scopus

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1129	Article	Jodhawat N.; Bargir U.A.; Setia P.; Taur P.; Bala N.; Madkaikar A.; Yadav R.M.; Dalvi A.; Shinde S.; Gupta M.; Shelar S.; Kambli P.; Gowri V.; Lokeshwar M.; Satoskar P.; Desai M.; Madkaikar M.	Normative data for paediatric lymphocyte subsets: A pilot study from western India	2023	Indian Journal of Medical Research	158	2	161	174	13	10.4103/ijmr.ijmr_3282_21	Wolters Kluwer Medknow Publications	9715916	All Open Access; Gold Open Access; Green Open Access	Scopus
1130	Article	Prasad R.K.; Ghosh K.; Giri P.K.; Kim D.-S.; Singh D.K.	High-Efficiency Photodetector Based on a CVD-Grown WS2 Monolayer	2023	ACS Applied Electronic Materials	5	7	3634	3640	6	10.1021/acsaelm.3c00366	American Chemical Society	26376113		Scopus
1131	Article	Bhattacharyya D.; Adhikari P.; Hazarika N.; Sarmah B.K.; Das A.	Phosphine-Free Pincer Ruthenium-Catalyzed α -Alkylation of Ketones with Secondary Alcohols to form β -Branched Ketones	2023	ChemCatChem	15	14				10.1002/cctc.202300542	John Wiley and Sons Inc	18673880		Scopus
1132	Article	Kanumuri D.; Baruah N.; Kumar A.; Nayak S.K.	Effects of Oxidative Aging on Dielectric Strength of Natural Ester Oil Under DC Voltage Stresses	2023	IEEE Transactions on Dielectrics and Electrical Insulation	30	4	1517	1524	7	10.1109/TDEI.2023.3277416	Institute of Electrical and Electronics Engineers Inc.	10709878		Scopus
1133	Article	Bhattacharjee P.; Mishra H.; Iyer P.K.; Nemade H.B.	Acoustically Operated Excitonic Transistor Using Poly(3-hexylthiophene)	2023	ACS Applied Electronic Materials	5	7	3650	3656	6	10.1021/acsaelm.3c00400	American Chemical Society	26376113		Scopus
1134	Article	Bania N.; Barman D.; Pan S.C.	Organocatalytic Asymmetric Inverse-Electron-Demand Diels-Alder Reaction between Alkylidene Pyrazolones and Allyl Ketones: Access to Tetrahydropyrano[2,3-c]pyrazoles	2023	Journal of Organic Chemistry	88	13	9584	9593	9	10.1021/acs.joc.3c01063	American Chemical Society	223263		Scopus
1135	Article	Naz H.; Sayyed R.Z.; Khan R.U.; Naz A.; Wani O.A.; Maqsood A.; Maqsood S.; Fahad A.; Ashraf S.; Show P.L.	Mesorhizobium improves chickpea growth under chromium stress and alleviates chromium contamination of soil	2023	Journal of Environmental Management	338					10.1016/j.jenvman.2023.117779	Academic Press	3014797		Scopus
1136	Article	Kumar A.; Chauhan T.; Natesan S.; Pham N.T.; Nguyen N.D.; Lim C.P.	Towards an efficient machine learning model for financial time series forecasting	2023	Soft Computing	27	16	11329	11339	10	10.1007/s00500-023-08676-x	Springer Science and Business Media Deutschland GmbH	14327643		Scopus
1137	Article	Ghosh N.; Kundu L.M.	Cyclic di-peptide in situ inhibited protein-aggregation	2023	Bioorganic and Medicinal Chemistry Letters	91					10.1016/j.bmcl.2023.129379	Elsevier Ltd	0960894X		Scopus
1138	Article	Nitu N.; Fopase R.; Pandey L.M.; Seal P.; Borah J.P.; Srinivasan A.	Assessment of sol-gel derived iron oxide substituted 45S5 bioglass-ceramics for biomedical applications	2023	Journal of Materials Chemistry B	11	31	7502	7513	11	10.1039/d3tb00287j	Royal Society of Chemistry	2050750X	All Open Access; Green Open Access	Scopus
1139	Article	Chanu S.A.; Sonkar R.K.	Mode division (de)multiplexer based on transverse mode conversion in photonic crystal using asymmetric directional couplers	2023	Applied Optics	62	21	5735	5744	9	10.1364/AO.494224	Optica Publishing Group (formerly OSA)	1559128X		Scopus
1140	Article	Yadav K.S.; Dalal D.C.	Effects of cell orientation on drug delivery into biological tissues: A computational study	2023	Applied Mathematical Modelling	119		156	173	17	10.1016/j.apm.2023.02.028	Elsevier Inc.	0307904X		Scopus

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1141	Article	Lyndem S.; Hazarika U.; Bhatta A.; Prakash V.; Jha A.N.; Roy A.S.	In vitro interactions of esculin and esculetin with bovine hemoglobin alter its structure and inhibit aggregation: insights from spectroscopic and computational studies	2023	New Journal of Chemistry	47	30	14447	14468	21	10.1039/d3nj02273k	Royal Society of Chemistry	11440546		Scopus
1142	Article	Katari J.K.; Uz Zama Khan M.R.; Trivedi V.; Das D.	Extraction, purification, characterization and bioactivity evaluation of high purity C- phycocyanin from Spirulina sp. NCIM 5143	2023	Process Biochemistry	130		322	333	11	10.1016/j.procbio.2023.04.022	Elsevier Ltd	13595113		Scopus
1143	Review	Biswas S.; Bania N.; Chandra Pan S.	Recent Developments in Intermolecular Cross-Rauhut-Currier Reactions	2023	Chemical Record	23	7				10.1002/tcr.202200257	John Wiley and Sons Inc	15278999		Scopus
1144	Article	Senapati D.; Sarkar A.; Karfa C.	Energy-Aware Real-Time Scheduling of Multiple Periodic DAGs on Heterogeneous Systems	2023	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems	42	8	2447	2460	13	10.1109/TCAD.2022.3228504	Institute of Electrical and Electronics Engineers Inc.	2780070		Scopus
1145	Article	Borah D.; Das S.J.; Roshan R.; Samanta R.	Imprint of PBH domination on gravitational waves generated by cosmic strings	2023	Physical Review D	108	2				10.1103/PhysRevD.108.023531	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1146	Article	Chakraborty A.; Haque M.R.; Maity D.; Mondal R.	Inflaton phenomenology via reheating in light of primordial gravitational waves and the latest BICEP/Keck data	2023	Physical Review D	108	2				10.1103/PhysRevD.108.023515	American Physical Society	24700010	All Open Access; Green Open Access	Scopus
1147	Article	Sharma A.; Sreen N.; Baishya K.	Identifying gratification behind the consumption of the OTT platforms in an emerging market: a means-end theory approach	2023	Marketing Intelligence and Planning	41	5	593	612	19	10.1108/MIP-12-2022-0558	Emerald Publishing	2634503		Scopus
1148	Article	Paul S.; Nandi S.; Das M.; Bora A.; Hossain M.T.; Ghosh S.; Giri P.K.	Two-dimensional bismuth oxyselenide quantum dots as nanosensors for selective metal ion detection over a wide dynamic range: sensing mechanism and selectivity	2023	Nanoscale	15	30	12612	12625	13	10.1039/d3nr02029k	Royal Society of Chemistry	20403364		Scopus
1149	Article	Maheshwari B.; Hagare D.; Spencer R.; Dollin J.; Reynolds J.; Atkins D.; Packham R.; Batelaan O.; Sitharam T.G.; Lan Y.-C.; Arora M.; Kashyap R.; Kartha S.; Sathasivan A.; Dutta S.	Training young water professionals in leadership and transdisciplinary competencies for sustainable water management in India	2023	World Water Policy	9	3	300	314	14	10.1002/wwp2.12114	John Wiley and Sons Inc	2639541X	All Open Access; Hybrid Gold Open Access	Scopus

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1150	Article	Datta A.; Roshan R.; Sil A.	Flavor leptogenesis during the reheating era	2023	Physical Review D	108	3				10.1103/PhysRevD.108.035029	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1151	Article	Hossain M.T.; Mawlong L.P.L.; Jena T.; Bora A.; Nath U.; Sarma M.; Giri P.K.	Interlayer Charge-Transfer-Induced Photoluminescence Quenching and Enhanced Photoconduction in Two-Dimensional Bi2O2Se/MoS2 Type-II Heterojunction	2023	ACS Applied Nano Materials	6	13	11023	11036	13	10.1021/acsanm.3c00759	American Chemical Society	25740970		Scopus
1152	Article	Borah D.; Ma E.; Nanda D.	Dark SU(2)→Z3 × Z2 gauge symmetry	2023	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	842					10.1016/j.physletb.2023.137981	Elsevier B.V.	3702693	All Open Access; Gold Open Access; Green Open Access	Scopus
1153	Article	Anilkumar R.; Bharti R.; Chutia D.; Aggarwal S.P.	Modelling point mass balance for the glaciers of the Central European Alps using machine learning techniques	2023	Cryosphere	17	7	2811	2828	17	10.5194/tc-17-2811-2023	Copernicus Publications	19940416	All Open Access; Gold Open Access	Scopus
1154	Article	Bagha U.K.; Yadav R.; Mokkawes T.; Satpathy J.K.; Kumar D.; Sastri C.V.; de Visser S.P.	Defluorination of Fluorophenols by a Nonheme Iron(IV)-Oxo Species: Observation of a New Intermediate Along the Reaction	2023	Chemistry - A European Journal	29	39				10.1002/chem.202300478	John Wiley and Sons Inc	9476539	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1155	Article	Basak M.; Das G.	Dual application of a fluorene-based switch-on chemosensor for mercury and glutathione sensing in water: analyte-recognition-triggered self-assembly	2023	New Journal of Chemistry	47	34	16012	16021	9	10.1039/d3nj02344c	Royal Society of Chemistry	11440546		Scopus
1156	Article	Dhongde N.R.; Baranwal P.K.; Rajaraman P.V.	Functionalization of graphene oxide with an ionic liquid (1-butyl-3-methylimidazolium acetate): Preparation of epoxy-based coating on carbon steel for anticorrosive applications	2023	Journal of Applied Polymer Science	140	27				10.1002/app.54026	John Wiley and Sons Inc	218995		Scopus
1157	Article	Joshi D.; Dash S.; Reddy S.; Manigilla R.; Trivedi G.	Multi-objective Hybrid Particle Swarm Optimization and its Application to Analog and RF Circuit Optimization	2023	Circuits, Systems, and Signal Processing	42	8	4443	4469	26	10.1007/s00034-023-02342-1	Birkhauser	0278081X		Scopus

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1158	Article	Faraz S.; Khan A.T.	p-TSA-H2O catalyzed metal-free and environmentally benign synthesis of 4-aryl quinolines from arylamine, arylacetylene, and dimethyl sulfoxide	2023	Organic and Biomolecular Chemistry	21	37	7553	7560	7	10.1039/d3ob00993a	Royal Society of Chemistry	14770520		Scopus
1159	Article	Borah A.J.; Dikshit P.K.; Doloi M.; Moholkar V.S.; Poddar M.K.	Extraction and characterization of lignin from waste invasive weeds with dioxane-based process	2023	Biomass Conversion and Biorefinery	13	12	11121	11130	9	10.1007/s13399-021-01960-6	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1160	Review	Mazumder P.; Dash S.; Kumar M.; Silori R.; Tiwari A.; Khwairakpam M.; Kalamdhad A.S.	Association of microplastics with heavy metals and antibiotic resistance bacteria/genes in natural ecosystems - A perspective through science mapping approach	2023	Groundwater for Sustainable Development	22					10.1016/j.gsd.2023.100962	Elsevier B.V.	2352801X		Scopus
1161	Article	Dolai G.; Shill S.; Roy S.; Mandal B.	Atomic Insight on Inhibition of Fibrillization of Dipeptides by Replacement of Phenylalanine with Tryptophan	2023	Langmuir	39	27	9367	9383	16	10.1021/acs.langmuir.3c00823	American Chemical Society	7437463		Scopus
1162	Article	Moktan S.; Rotta M.K.V.; Halder S.; Pradhan P.; Kancharla P.K.	ortho-[1-(p-MeOPhenyl)vinyl]benzoate PMPVB as a recyclable auxiliary for C-O and C-S bond formation reactions under Brønsted acid catalysis	2023	Organic and Biomolecular Chemistry	21	29	5929	5934	5	10.1039/d3ob00839h	Royal Society of Chemistry	14770520		Scopus
1163	Article	Srivastava M.; Bisht G.S.; Srinivasan A.	Single domain Co2FeGa nanoparticles with high crystalline order synthesized by template-less chemical method	2023	Journal of Alloys and Compounds	949					10.1016/j.jallcom.2023.169848	Elsevier Ltd	9258388		Scopus
1164	Article	Tomar T.S.; Dasgupta P.; Kanaujia S.P.	Operon Finder: A Deep Learning-based Web Server for Accurate Prediction of Prokaryotic Operons	2023	Journal of Molecular Biology	435	14				10.1016/j.jmb.2022.167921	Academic Press	222836	All Open Access; Bronze Open Access	Scopus
1165	Article	Ravichandran V.; Kantamaneni K.; Singh A.; Nair A.; A J.; Kumar S.P.; Choudhury S.D.	Mapping hotspot clustering: An approach to study the spatial pattern of quality of living households in India	2023	Remote Sensing Applications: Society and Environment	31					10.1016/j.rsase.2023.101007	Elsevier B.V.	23529385	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1166	Article	Sardar B.; Pal D.; Sarmah R.; Srimani D.	Ruthenium-catalyzed dehydrogenative cyclization to synthesize polysubstituted 4-quinolones under solvent-free conditions	2023	Chemical Communications	59	60	9267	9270	3	10.1039/d3cc02426a	Royal Society of Chemistry	13597345		Scopus
1167	Article	Verma S.K.; Punekar R.M.	Gaining insights into the creative process of designing nature inspired product forms	2023	International Journal of Technology and Design Education	33	3	1007	1035	28	10.1007/s10798-022-09749-y	Springer Science and Business Media B.V.	9577572		Scopus

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1168	Article	Roy K.; Basu S.	Topological properties of a periodically driven Creutz ladder	2023	Physical Review B	108	4				10.1103/PhysRevB.108.045415	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
1169	Article	Sharma G.; Dawo C.; Mulchandani K.; Kumawat U.K.; Singhal R.K.; Lal C.	Revealing the photophysics of N719 dye based dye-sensitized solar cell	2023	Optical Materials	142					10.1016/j.optmat.2023.114113	Elsevier B.V.	9253467		Scopus
1170	Article	Joshi N.; Sarhadi T.R.; Raveendran A.; Nagotu S.	Sporadic SNCA mutations A18T and A29S exhibit variable effects on protein aggregation, cell viability and oxidative stress	2023	Molecular Biology Reports	50	7	5547	5556	9	10.1007/s11033-023-08457-7	Springer Science and Business Media B.V.	3014851		Scopus
1171	Article	Kumar S.; Saxena S.; Sharma H.; Gangolu J.; Prabhu T.A.	Development of design guidelines using probabilistic framework for the development of smart thickening fluid based ultra resistant adaptive kinematic soft human armor (SURAKSHA)	2023	Reliability Engineering and System Safety	236					10.1016/j.res.2023.109277	Elsevier Ltd	9518320		Scopus
1172	Article	Das B.; Dahiya A.; Chakraborty N.; Patel B.K.	Synthesis of Chromenopyrroles (Azacoumestans) from Functionalized Enones and Alkyl Isocyanoacetates	2023	Organic Letters	25	28	5209	5213	4	10.1021/acs.orglett.3c01655	American Chemical Society	15237060		Scopus
1173	Article	Kadyan M.	HS-integral and Eisenstein integral normal mixed Cayley graphs	2023	Linear Algebra and Its Applications	669		1	23	22	10.1016/j.laa.2023.03.022	Elsevier Inc.	243795	All Open Access; Green Open Access	Scopus
1174	Article	Rajendra Y.; Sahu S.; Subramanian V.; Shukla S.K.	Storage efficient blockchain models for constrained applications	2023	Cluster Computing	26	4	2163	2181	18	10.1007/s10586-022-03804-y	Springer	13867857		Scopus
1175	Article	Morang S.; Bandyopadhyay A.; Mandal B.B.; Karak N.	Asymmetric Hard Domain-Induced Robust Resilient Biocompatible Self-Healable Waterborne Polyurethane for Biomedical Applications	2023	ACS Applied Bio Materials	6	7	2771	2784	13	10.1021/acsabm.3c00243	American Chemical Society	25766422		Scopus
1176	Article	Upadhyay P.; Punekar R.M.	A framework for designing frugal innovations in marginalised contexts	2023	Journal of Cleaner Production	410					10.1016/j.jclepro.2023.137170	Elsevier Ltd	9596526		Scopus
1177	Article	Garimella R.M.; Valle M.E.; Vieira G.; Rayala A.; Munugoti D.	Vector-Valued Hopfield Neural Networks and Distributed Synapse Based Convolutional and Linear Time-Variant Associative Memories	2023	Neural Processing Letters	55	4	4163	4182	19	10.1007/s11063-022-11035-w	Springer	13704621		Scopus
1178	Article	Sonagara A.M.; Mishra M.; Kshetrimayum R.S.; Bjornson E.; Chen Z.N.	Ultra-Thin Flexible Uniplanar Antenna Based on SSPP for B5G Radio Stripe Network	2023	IEEE Antennas and Wireless Propagation Letters	22	8	1947	1951	4	10.1109/LAWP.2023.3270282	Institute of Electrical and Electronics Engineers Inc.	15361225		Scopus
1179	Article	Shivakumar S.; Shanmuganathan M.; Goonetilleke A.; Day D.; Sarkar A.; Hagare D.; Maheshwari B.; Spencer R.; Thimmegowda M.N.; Mailapalli D.R.; Purkait M.K.; Mahadevappa S.M.B.	Managing floods in Chennai City as part of situation understanding and improvement project	2023	World Water Policy	9	3	349	370	21	10.1002/wwp2.12119	John Wiley and Sons Inc	2639541X	All Open Access; Hybrid Gold Open Access	Scopus

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1180	Article	Mondal S.; Basu S.	Band-engineered bilayer Haldane model: Evidence of multiple topological phase transitions	2023	Physical Review B	108	4				10.1103/PhysRevB.108.045307	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
1181	Article	Singh H.K.; Changmai R.R.; Keot N.; Bhattacharyya H.P.; Sarma M.	A computational insight on the noncovalent interactions of aminothiazole-based palladium(II) complexes with DNA as a potent anticancer agent	2023	Polyhedron	239					10.1016/j.poly.2023.116448	Elsevier Ltd	2775387		Scopus
1182	Article	Kanti Das B.; Samanta R.; Ahmed S.; Pramanik B.	Disulphide Cross-Linked Ultrashort Peptide Hydrogelator for Water Remediation	2023	Chemistry - A European Journal	29	37				10.1002/chem.202300312	John Wiley and Sons Inc	9476539		Scopus
1183	Article	Chakraborty P.; Mahanta A.	Asymmetric information, capacity constraint and segmentation in credit markets	2023	Indian Growth and Development Review	16	2	158	192	34	10.1108/IGDR-03-2022-0042	Emerald Publishing	17538254		Scopus
1184	Note	Maheshwari B.; Atkins D.; Hagare D.; Spencer R.; Dillon P.; Jain S.; Rollason R.; Reynolds J.; Dollin J.; Batelaan O.; Packham R.; Patel J.B.; Purkait M.K.; Bhaduri A.; Mailapalli D.; Ashok A.; Prasad J.	Mentoring in the young water professionals' training program: Lessons for effective capacity development	2023	World Water Policy	9	3	334	348	14	10.1002/wwp2.12129	John Wiley and Sons Inc	2639541X	All Open Access; Hybrid Gold Open Access	Scopus
1185	Article	Mallik R.; Saha M.; Singh V.; Mohan H.; Kumaran S.S.; Mukherjee C.	Mn(ii) complex impregnated porous silica nanoparticles as Zn(ii)-responsive “Smart” MRI contrast agent for pancreas imaging	2023	Journal of Materials Chemistry B	11	34	8251	8261	10	10.1039/d3tb01289a	Royal Society of Chemistry	2050750X		Scopus
1186	Article	Maharana P.K.; Sarkar T.; Kar S.; Purkayastha S.K.; Guha A.K.; Punniyamurthy T.	Cobalt-Catalyzed Stereospecific C-N/C-O Bond Formation of Oxiranes with Diaziridines	2023	Journal of Organic Chemistry	88	13	9447	9458	11	10.1021/acs.joc.3c00445	American Chemical Society	223263		Scopus
1187	Article	Sah B.; Kumar P.	An insight into battery degradation for the proposal of a battery-friendly charging technique	2023	Energy Advances	2	9	1429	1446	17	10.1039/d3ya00275f	Royal Society of Chemistry	27531457	All Open Access; Gold Open Access; Green Open Access	Scopus
1188	Article	Pradhan S.; Dhar A.; Tiwari K.N.; Sahoo S.	Spatiotemporal analysis of land use land cover and future simulation for agricultural sustainability in a sub-tropical region of India	2023	Environment, Development and Sustainability	25	8	7873	7902	29	10.1007/s10668-022-02379-3	Springer Science and Business Media B.V.	1387585X		Scopus
1189	Article	Sahu A.K.; Bag S.	Influence of heat input on intermetallic formation in dissimilar autogenous laser welding between Inconel 718 and AISI 316L steel	2023	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	237	9	1422	1435	13	10.1177/09544054221129463	SAGE Publications Ltd	9544054		Scopus

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1190	Article	Debnath B.; Duarah P.; Purkait M.K.	Microwave-assisted quick synthesis of microcrystalline cellulose from black tea waste (Camellia sinensis) and characterization	2023	International Journal of Biological Macromolecules	244					10.1016/j.ijbiomac.2023.125354	Elsevier B.V.	1418130		Scopus
1191	Article	Kumar K.; Bharti A.; Kumar A.; Ghosh S.K.; Kumar A.	Choline based deep eutectic solvent for denitrogenation of liquid fuel: A molecular dynamics study	2023	Journal of Molecular Liquids	382					10.1016/j.molliq.2023.121862	Elsevier B.V.	1677322		Scopus
1192	Article	Sahu P.K.; Das J.; Shi Q.	Effect of Alloying Foil on the Friction Stir Weld Quality of Mg Alloy Joints	2023	Metallography, Microstructure, and Analysis	12	4	672	682	10	10.1007/s13632-023-00980-0	Springer	21929262		Scopus
1193	Article	Varadharaj V.P.; Ramesh G.; Kumar A.; Jeyabalan J.; Narayanasamy S.	Synthesis, characterization, and application of oxidant-modified biochar prepared from sawdust for sequestration of basic fuchsin: isotherm, kinetics, and toxicity studies	2023	Biomass Conversion and Biorefinery	13	11	9525	9536	11	10.1007/s13399-023-04210-z	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1194	Article	Gupta S.; Das S.; Narayanan R.G.; Asati B.	Friction stir spot welding of dissimilar quality galvanized steel sheets meant for automotive applications using a consumable sheet	2023	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	237	4	1517	1528	11	10.1177/09544089221117935	SAGE Publications Ltd	9544089		Scopus
1195	Article	Borah D.; Dasgupta A.	Large neutrino asymmetry from TeV scale leptogenesis	2023	Physical Review D	108	3				10.1103/PhysRevD.108.035015	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1196	Article	Saikia P.P.; Garg P.; Mayawad K.; Paul T.; Neog A.B.; Sarmah B.J.; Raidongia K.; Gogoi R.K.	Light and solvent-driven actuator of clay and vanadium pentoxide nanosheets	2023	Materials Advances	4	16	3619	3627	8	10.1039/d3ma00119a	Royal Society of Chemistry	26335409	All Open Access; Gold Open Access	Scopus
1197	Article	Reddy P.R.; Gogoi A.; Reddy K.A.	Cationic stabilized layered graphene oxide (GO) membrane for shale gas wastewater treatment: An atomistic insight	2023	Desalination	559					10.1016/j.desal.2023.116621	Elsevier B.V.	119164		Scopus
1198	Article	Parui R.; Zehra N.; Iyer P.K.	Deciphering the proficiency of aliphatic/aromatic functionality on a heteroatom embedded planar polycyclic core: towards advanced onsite detection of tetracycline and oxytetracycline	2023	Journal of Materials Chemistry C	11	33	11243	11251	8	10.1039/d3tc01850d	Royal Society of Chemistry	20507526	All Open Access; Green Open Access	Scopus
1199	Article	Ray T.; Sinha R.K.	Residual-based a posteriori error estimates for nonconforming finite element approximation to parabolic interface problems	2023	Numerical Methods for Partial Differential Equations	39	4	2935	2962	27	10.1002/num.22994	John Wiley and Sons Inc	0749159X		Scopus

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1200	Article	Raju N.N.; Kulkarni I.A.; Muthukumar P.	Parametric investigations on LCC1 based hydrogen storage system intended for fuel cell applications	2023	International Journal of Hydrogen Energy	48	56	21451	21465	14	10.1016/j.ijhydene.2022.03.125	Elsevier Ltd	3603199		Scopus
1201	Article	Cengizci S.; Uğur Ö.; Natesan S.	A SUPG formulation augmented with shock-capturing for solving convection-dominated reaction–convection–diffusion equations	2023	Computational and Applied Mathematics	42	5				10.1007/s40314-023-02370-2	Springer Nature	22383603		Scopus
1202	Article	Bhattacharjee S.; Lekshmi K.; Bharti R.	Evidences of localized coastal warming near major urban centres along the Indian coastline: past and future trends	2023	Environmental Monitoring and Assessment	195	6				10.1007/s10661-023-11214-9	Springer Science and Business Media Deutschland GmbH	1676369		Scopus
1203	Article	Kumar Sinha A.; Talukdar S.	Mechanical and bond behaviour of high volume Ultrafine-slag blended fly ash based alkali activated concrete	2023	Construction and Building Materials	383					10.1016/j.conbuildmat.2023.131368	Elsevier Ltd	9500618		Scopus
1204	Article	Das D.; Bag S.; Pal S.	Probing finite element modelling of defects in friction stir welding by tailoring mass scaling factor	2023	Materials Today Communications	35					10.1016/j.mtcomm.2023.105646	Elsevier Ltd	23524928		Scopus
1205	Article	Yadav H.; Tadikonda B.V.; Gaurav S.; Kumar S.	Fate and Transport of Coronavirus Surrogate through Compacted Clays for Pathogenic Waste Disposal	2023	Langmuir	39	23	8042	8054	12	10.1021/acs.langmuir.3c00110	American Chemical Society	7437463		Scopus
1206	Article	Gavande P.V.; Goyal A.	Molecular dynamics–based structural insights of the first putative endoglucanase, PsGH5A of glycoside hydrolase family 5 from Pseudopedobacter saltans	2023	Journal of Molecular Modeling	29	6				10.1007/s00894-023-05575-8	Springer Science and Business Media Deutschland GmbH	16102940		Scopus
1207	Article	Mohapatra A.; Hans A.; Chaudhary N.	Interfacial properties of α-synuclein's Parkinsonian variants	2023	Biophysical Chemistry	297					10.1016/j.bpc.2023.107006	Elsevier B.V.	3014622		Scopus
1208	Article	Kumar M.; Kumari P.	Design and fabrication of self-powered flexible P(VDF-TrFE)/ZnO/TiO2 fiber mats as nanogenerator for wearable applications	2023	Materials Science in Semiconductor Processing	160					10.1016/j.mssp.2023.107429	Elsevier Ltd	13698001		Scopus
1209	Article	Thiyam J.; Singh S.R.; Bora P.K.	Effect of attention and triplet loss on chart classification: a study on noisy charts and confusing chart pairs	2023	Journal of Intelligent Information Systems	60	3	731	758	27	10.1007/s10844-022-00741-5	Springer	9259902		Scopus
1210	Article	Biswal S.K.; Pal S.	A methodological approach to design a coil for localised high-frequency induction heating of flat plate	2023	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	237	11	2575	2591	16	10.1177/09544062221140819	SAGE Publications Ltd	9544062		Scopus
1211	Article	Panda R.; Panda P.K.; Krishnamoorthy J.; Kar R.K.	Network analysis of chromophore binding site in LOV domain	2023	Computers in Biology and Medicine	161					10.1016/j.combiomed.2023.106996	Elsevier Ltd	104825	All Open Access; Green Open Access	Scopus

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1212	Article	Kanaujiya D.K.; Chhantyal A.K.; Pugazhenthii G.; Pakshirajan K.	A novel hybrid system for continuous biodegradation and toxicity removal of low molecular weight phthalates	2023	Journal of Environmental Chemical Engineering	11	3				10.1016/j.jece.2023.109983	Elsevier Ltd	22133437		Scopus
1213	Article	Saharia A.; Mahato B.; Mishra B.K.; Panda A.N.	Effect of Fluorine Substitution on Absorption and Emission Properties of Figure-eight-shaped [5]Helicene Dimer: A Computational Study at RI-MP2/RI-ADC(2) Level	2023	ChemPhysChem	24	12				10.1002/cphc.202300006	John Wiley and Sons Inc	14394235		Scopus
1214	Article	Raj S.; Biswas P.	Experimental investigation of the effect of induction preheating on the microstructure evolution and corrosion behaviour of dissimilar FSW (IN718 and SS316L) joints	2023	Journal of Manufacturing Processes	95		143	159	16	10.1016/j.jmapro.2023.04.021	Elsevier Ltd	15266125		Scopus
1215	Data paper	Hatwik J.; Pal U.; Limaye A.M.	Transcriptomic data of MCF-7 breast cancer cells treated with 10 µM enterolactone	2023	Data in Brief	48					10.1016/j.dib.2023.109098	Elsevier Inc.	23523409	All Open Access; Gold Open Access; Green Open Access	Scopus
1216	Article	Ghosh S.; Krishnan J.; Hossain S.S.; Dhakshinamoorthy A.; Biswas S.	MOF-Fabric Composites Based on a Multi-Functional MOF as Luminescent Sensors for a Neurotransmitter and an Anti-Cancer Drug	2023	ACS Applied Materials and Interfaces	15	22	26843	26851	8	10.1021/acsami.3c04278	American Chemical Society	19448244		Scopus
1217	Article	Singh M.K.; Bharti R.	Inversion model for snow geophysical parameters estimation using sentinel–1 stokes parameter	2023	Earth Science Informatics	16	2	1585	1595	10	10.1007/s12145-023-00984-y	Springer Science and Business Media Deutschland GmbH	18650473		Scopus
1218	Article	Mishra M.; Chaudhuri S.; Kshetrimayum R.S.; Sharawi M.S.; Kishk A.A.	A Highly Efficient and Low-Mutual Coupling Partial $\pi/8$ SIW Cavity-Based 8-Port MIMO Antenna	2023	IEEE Antennas and Wireless Propagation Letters	22	7	1721	1725	4	10.1109/LAWP.2023.3262159	Institute of Electrical and Electronics Engineers Inc.	15361225		Scopus
1219	Article	Rathod U.H.; Kulkarni V.; Saha U.K.	Evolving a Bio-Inspired Blade Shape of the Drag-Based Vertical-Axis Wind Rotor Derived from Orange Sea Pen (Ptilosarcus Gurneyi)	2023	Journal of Solar Energy Engineering, Transactions of the ASME	145	3				10.1115/1.4055914	American Society of Mechanical Engineers (ASME)	1996231		Scopus
1220	Article	Uniyal A.; Kanzi S.; Sakalli İ.	Some observable physical properties of the higher dimensional dS/AdS black holes in Einstein-bumblebee gravity theory	2023	European Physical Journal C	83	7				10.1140/epjc/s10052-023-11846-8	Institute for Ionics	14346044	All Open Access; Gold Open Access; Green Open Access	Scopus

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1221	Article	Singh T.; Uppaluri R.V.S.	Application of ANN and traditional ML algorithms in modelling compost production under different climatic conditions	2023	Neural Computing and Applications	35	18	13465	13484	19	10.1007/s00521-023-08404-4	Springer Science and Business Media Deutschland GmbH	9410643		Scopus
1222	Article	Ghosh A.; Kartha S.A.	Composition and characteristics of excavated materials from a legacy waste dumpsite: Potential of landfill biomining	2023	Environmental Research and Technology	6	2				10.35208/ert.1245574	Yildiz Technical University	26368498	All Open Access; Gold Open Access; Green Open Access	Scopus
1223	Article	Shyam R.; Negi D.; Shekhawat K.; Kumar M.; Gupta M.; Vashishtha P.; Gupta G.; Das A.; Dobbidi P.; Nelamarri S.R.	Investigation of annealing effects on structural, morphological, optical, chemical, and luminescent properties of (K,Na)NbO3 thin films	2023	Physica B: Condensed Matter	660					10.1016/j.physb.2023.414908	Elsevier B.V.	9214526		Scopus
1224	Article	Hazarika D.; Chakraborty G.; Kumar A.; Katiyar V.	Role of silk nanocrystal (SNC)-ZnO as an antibacterial nucleating nanohybrid for a patterned mimic poly(lactic acid) based nanofabric	2023	International Journal of Biological Macromolecules	242					10.1016/j.ijbiomac.2023.125126	Elsevier B.V.	1418130		Scopus
1225	Article	Babu N.M.; Mishra A.K.	Influence of Salt Permeants on The Swelling and Strength Behavior of Fibre Treated Black Cotton Soil	2023	KSCE Journal of Civil Engineering	27	6	2392	2402	10	10.1007/s12205-023-1453-6	Korean Society of Civil Engineers	12267988	All Open Access; Hybrid Gold Open Access	Scopus
1226	Article	Fathima N.; Jha R.K.; Bhat N.	Sustainable Approach toward the Development of Next-Generation Gas Sensors	2023	ACS Sustainable Chemistry and Engineering	11	22	8217	8228	11	10.1021/acssuschemeng.2c07299	American Chemical Society	21680485		Scopus
1227	Article	Barman N.; Gokhale S.	Transported aerosols regulate the pre-monsoon rainfall over north-east India: a WRF-Chem modelling study	2023	Atmospheric Chemistry and Physics	23	11	6197	6215	18	10.5194/acp-23-6197-2023	Copernicus Publications	16807316	All Open Access; Gold Open Access; Green Open Access	Scopus
1228	Article	Giri J.; Lach R.; Henning S.; Grellmann W.; Bhasney S.M.; Katiyar V.; Saiter J.-M.; Adhikari R.	Influence of wheat stalk nanocellulose on structural, mechanical, thermal, surface and degradation properties of composites with poly(butylene adipate-co-terephthalate)	2023	Polymer Bulletin	80	7	7599	7625	26	10.1007/s00289-022-04388-8	Springer Science and Business Media Deutschland GmbH	1700839		Scopus
1229	Article	Mahanta A.	Ad valorem tax versus tax per unit of output in a Bertrand competition with strictly increasing marginal cost	2023	Indian Economic Review	58	1	105	117	12	10.1007/s41775-023-00189-6	Editorial Office, Indian Economic Review	194670		Scopus
1230	Article	Bhattacharjee U.; Uppaluri R.V.S.	Growth and nutritional characteristics of Phaseolus vulgaris and Jeevamrutha bio-fertilizer-vermicompost system	2023	Bioresource Technology Reports	22					10.1016/j.biteb.2023.101416	Elsevier Ltd	2589014X		Scopus

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1231	Article	Das A.; Gujre N.; Devi R.J.; Mitra S.	A Review on Traditional Ecological Knowledge and Its Role in Natural Resources Management: North East India, a Cultural Paradise	2023	Environmental Management	72	1	113	134	21	10.1007/s00267-021-01554-y	Springer	0364152X		Scopus
1232	Article	Mandal A.; Thakur A.; Goyal A.	Role of carbohydrate binding modules, CBM3A and CBM3B in stability and catalysis by a β -1,4 endoglucanase, AtGH9C-CBM3A-CBM3B from Acetivibrio thermocellus ATCC 27405	2023	International Journal of Biological Macromolecules	242					10.1016/j.ijbiomac.2023.125164	Elsevier B.V.	1418130		Scopus
1233	Article	Gupt C.B.; Bordoloi S.; Sekharan S.	Contaminant retention affected by controlled and uncontrolled pH for fly ash-bentonite composites used as landfill liner material	2023	Journal of Cleaner Production	406					10.1016/j.jclepro.2023.136924	Elsevier Ltd	9596526		Scopus
1234	Article	Jana S.; Muthukumar P.	Design, development and hydrogen storage performance testing of a tube bundle metal hydride reactor	2023	Journal of Energy Storage	63					10.1016/j.est.2023.106936	Elsevier Ltd	2352152X		Scopus
1235	Article	Kamal A.; Sahoo N.; Menezes V.; Kulkarni V.	Viscous damping theory based recovery algorithm for force measurement in hypersonic flow regime	2023	Measurement: Journal of the International Measurement Confederation	216					10.1016/j.measurement.2023.112962	Elsevier B.V.	2632241		Scopus
1236	Article	Girisha H.R.; Krushna B.R.R.; Manjunatha K.; Wu S.Y.; Ho M.-K.; Sharma S.C.; Prasad B.D.; Subramanian B.; Kumar J.B.P.; Nagabhushana H.	Stimuli-responsive color-tunable BaLa2ZnO5:Bi3+ phosphor for the encryption and authentication of security patterns and latent fingerprint detection	2023	Colloids and Surfaces A: Physicochemical and Engineering Aspects	666					10.1016/j.colsurfa.2023.131219	Elsevier B.V.	9277757		Scopus

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1237	Article	Abud A.A.; Abi B.; Acciarri R.; Acero M.A.; Adames M.R.; Adamov G.; Adamowski M.; Adams D.; Adinolfi M.; Adriano C.; Aduszkiewicz A.; Aguilar J.; Ahmad Z.; Ahmed J.; Aimard B.; Akbar F.; Ali-Mohammadzadeh B.; Allison K.; Monsalve S.A.; AlRashed M.; Alt C.; Alton A.; Alvarez R.; Amedo P.; Anderson J.; Andreopoulos C.; Andreotti M.; Andrews M.; Andrianala F.; Andringa S.; Anfimov N.; Ankowski A.; Antoniassi M.; Antonova M.; Antoshkin A.; Antusch S.; Aranda-Fernandez A.; Arellano L.; Arnold L.O.; Arroyave M.A.; Asaadi J.; Asquith L.; Aurisano A.; Aushev V.; Autiero D.; Ayala Lara V.; Ayala-Torres M.; Azfar F.; Back A.; Back H.; Back J.J.; Backhouse C.; Bagaturia I.; Bagby L.; Balashov N.; Balasubramanian S.; Baldi P.; Baller B.; Bambah B.; Barao F.; Barenboim G.; Barker G.; Barkhouse W.; Barnes C.; Barr G.; Monarca J.B.; Barros A.; Barros N.; Barrow J.L.; Basharina-Freshville A.; Bashyal A.; Basque V.; Batchelor C.; Battat J.; Battisti F.; Bay F.; Bazetto M.C.Q.; Bazo Alba J.L.; Beacom J.F.; Bechetoille E.; Behera B.; das Chagas E.B.B.; Bellantoni L.; Bellettini G.; Bellini V.; Beltramello O.; Benekos N.;	Reconstruction of interactions in the ProtoDUNE-SP detector with Pandora	2023	European Physical Journal C	83	7				10.1140/epjc/s10052-023-11733-2	Institute for Ionics	14346044		Scopus
1238	Review	Narayan J.; Auepanwiriyakul C.; Jhunjhunwala S.; Abbas M.; Dwivedy S.K.	Hierarchical Classification of Subject-Cooperative Control Strategies for Lower Limb Exoskeletons in Gait Rehabilitation: A Systematic Review	2023	Machines	11	7				10.3390/machines11070764	Multidisciplinary Digital Publishing Institute (MDPI)	20751702	All Open Access; Gold Open Access	Scopus
1239	Article	Gupta S.; Dasmahapatra A.K.	Enhanced stability of a disaggregated Aβ fibril on removal of ligand inhibits refibrillation: An all atom Molecular Dynamics simulation study	2023	International Journal of Biological Macromolecules	240					10.1016/j.ijbiomac.2023.124481	Elsevier B.V.	1418130		Scopus
1240	Article	Katare A.; Sharma S.; Horo H.; Bhowmick S.; Kundu L.M.; Mandal B.	An investigation on the effects of both amine grafting and blending with biodegradable chitosan membrane for CO2 capture from CO2/N2 gas mixtures	2023	Chemical Engineering Journal	466					10.1016/j.cej.2023.143215	Elsevier B.V.	13858947		Scopus
1241	Article	Mondal S.; Jana G.; Srivastava H.K.; Sastry G.N.; Chattaraj P.K.	Structure and stability of the sH binary hydrate cavity and host-guest versus guest-guest interactions therein: A DFT approach	2023	Journal of Computational Chemistry	44	15	1446	1453	7	10.1002/jcc.27102	John Wiley and Sons Inc	1928651		Scopus
1242	Review	Negi B.B.; Das C.	Mycoremediation of wastewater, challenges, and current status: A review	2023	Bioresource Technology Reports	22					10.1016/j.biteb.2023.101409	Elsevier Ltd	2589014X		Scopus

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1243	Article	Ray T.; Sinha R.K.	An adaptive immersed finite element method for linear parabolic interface problems with nonzero flux jump	2023	Calcolo	60	2				10.1007/s10092-023-00515-7	Springer International Publishing	80624		Scopus
1244	Article	Shivagunde S.S.; Saradhi V.V.	View incremental decremental multi-view discriminant analysis	2023	Applied Intelligence	53	11	13593	13607	14	10.1007/s10489-022-04168-x	Springer	0924669X		Scopus
1245	Article	Bala E.; Patra S.; Singha S.	Development of Centella asiatica beverages with potential antioxidant and prebiotic activity for maintaining intestinal health	2023	Food Bioscience	53					10.1016/j.fbio.2023.102751	Elsevier Ltd	22124292		Scopus
1246	Article	Ingle J.; Tat S.; Shinde S.; Kumar M.; Sanyam; Mondal A.; Santra M.K.; Basu S.	3-Methoxy-Pyrrole-Based Small Molecule Damages Mitochondria to Instigate Apoptosis in Breast Cancer Cells	2023	ChemistrySelect	8	24				10.1002/slct.202300663	John Wiley and Sons Inc	23656549		Scopus
1247	Article	Kumari J.; Rahul; Agarwal P.	Role of deposition parameters on optoelectronic properties of ITO films and its application in MoO3–x/c-Si(n) heterojunction solar cells	2023	Journal of Materials Science: Materials in Electronics	34	16				10.1007/s10854-023-10715-0	Springer	9574522		Scopus
1248	Article	Gadkari S.; Narisetty V.; Maity S.K.; Manyar H.; Mohanty K.; Jeyakumar R.B.; Pant K.K.; Kumar V.	Techno-Economic Analysis of 2,3-Butanediol Production from Sugarcane Bagasse	2023	ACS Sustainable Chemistry and Engineering	11	22	8337	8349	12	10.1021/acssuschemeng.3c01221	American Chemical Society	21680485	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1249	Article	Banerjee P.; Kalita S.; Sarma A.K.	Robust mechanical squeezing beyond 3 dB in a quadratically coupled optomechanical system	2023	Journal of the Optical Society of America B: Optical Physics	40	6	1398	1406	8	10.1364/JOSAB.483944	Optica Publishing Group (formerly OSA)	7403224	All Open Access; Green Open Access	Scopus
1250	Article	Ray N.; Jana C.K.	Iminium and azonium-activated metal and oxidant-free C-H functionalization of aliphatic amines	2023	Chemical Communications	59	55	8504	8519	15	10.1039/d3cc01299a	Royal Society of Chemistry	13597345		Scopus
1251	Article	Chaturvedi K.; Basu S.; Singha S.; Das K.	Predictive microbial growth modelling for an effective shelf-life extension strategy of Chhana (Indian cottage cheese)	2023	Food Control	149					10.1016/j.foodcont.2023.109697	Elsevier Ltd	9567135		Scopus
1252	Article	Hayal M.R.; Elsayed E.E.; Kakati D.; Singh M.; Elfikky A.; Boghdady A.I.; Grover A.; Mehta S.; Mohsan S.A.H.; Nurhidayat I.	Modeling and investigation on the performance enhancement of hovering UAV-based FSO relay optical wireless communication systems under pointing errors and atmospheric turbulence effects	2023	Optical and Quantum Electronics	55	7				10.1007/s11082-023-04772-2	Springer	3068919	All Open Access; Hybrid Gold Open Access	Scopus
1253	Article	Borkotoky N.	Shifting Narratives of Soil in Scientific Discourses of Colonial Assam Tea Plantations	2023	Indian Historical Review	50	1	129	145	16	10.1177/03769836231173254	SAGE Publications Inc.	3769836		Scopus

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1254	Review	Shekhar Samanta N.; Das P.P.; Dhara S.; Purkait M.K.	An Overview of Precious Metal Recovery from Steel Industry Slag: Recovery Strategy and Utilization	2023	Industrial and Engineering Chemistry Research	62	23	9006	9031	25	10.1021/acs.iecr.3c00604	American Chemical Society	8885885		Scopus
1255	Article	Deb R.; Sarma B.; Dalal A.	Magnetic-Field Mediated Active Propulsion of Ferrofluid Droplets on a Wire	2023	Langmuir	39	23	8244	8254	10	10.1021/acs.langmuir.3c00717	American Chemical Society	7437463		Scopus
1256	Review	Rawat S.; Wang C.-T.; Lay C.-H.; Hotha S.; Bhaskar T.	Sustainable biochar for advanced electrochemical/energy storage applications	2023	Journal of Energy Storage	63					10.1016/j.est.2023.107115	Elsevier Ltd	2352152X		Scopus
1257	Article	Boruah P.; Gupta R.; Katiyar V.	Fabrication of cellulose nanocrystal (CNC) from waste paper for developing antifouling and high-performance polyvinylidene fluoride (PVDF) membrane for water purification	2023	Carbohydrate Polymer Technologies and Applications	5					10.1016/j.carpta.2023.100309	Elsevier Ltd	26668939	All Open Access; Gold Open Access	Scopus
1258	Article	Kumar N.; Ghosh S.; Basu D.N.	Thermalhydraulic assessment and performance prediction of supercritical minichannel heat sink with airfoil-shaped obstructions using GA-tuned neural network	2023	Applied Thermal Engineering	227					10.1016/j.applthermaleng.2023.120352	Elsevier Ltd	13594311		Scopus
1259	Article	Bahukhandi K.D.; Kushwaha A.; Goswami L.; Bhan U.; Kamboj V.; Kamboj N.; Bisht A.; Sharma A.K.; Sathe S.S.; Saini V.K.; Sharma B.	Hydrogeochemical Evaluation of Groundwater for Drinking and Irrigation Purposes in the Upper Piedmont Area of Haridwar, India	2023	ACS ES and T Water	3	6	1641	1653	12	10.1021/acsestwater.2c00419	American Chemical Society	26900637		Scopus

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1260	Article	Dong T.V.; Luo T.; Adachi I.; Aihara H.; Asner D.M.; Atmacan H.; Aulchenko V.; Aushev T.; Ayad R.; Babu V.; Bahinipati S.; Behera P.; Belous K.; Bernlochner F.; Bessner M.; Bhuyan B.; Bilka T.; Biswal J.; Bobrov A.; Bozek A.; Bračko M.; Branchini P.; Browder T.E.; Budano A.; Campajola M.; Červenkov D.; Chang M.-C.; Chang P.; Chen A.; Cheon B.G.; Chilikin K.; Cho H.E.; Cho K.; Cho S.-J.; Choi S.-K.; Choi Y.; Choudhury S.; Cinabro D.; Cunliffe S.; Czank T.; Das S.; De Nardo G.; De Pietro G.; Dhamija R.; Di Capua F.; Dingfelder J.; Doležal Z.; Dubey S.; Epifanov D.; Ferber T.; Ferlewicz D.; Fulsom B.G.; Garg R.; Gaur V.; Gabyshev N.; Garmash A.; Giri A.; Goldenzweig P.; Graziani E.; Gu T.; Gudkova K.; Hara T.; Hartbrich O.; Hayasaka K.; Hernandez Villanueva M.; Hou W.-S.; Hsu C.-L.; Inami K.; Inguglia G.; Ishikawa A.; Itoh R.; Iwasaki M.; Jacobs W.W.; Jang E.-J.; Jia S.; Jin Y.; Joo K.K.; Kahn J.; Kang K.H.; Kichimi H.; Kiesling C.; Kim C.H.; Kim D.Y.; Kim S.H.; Kim Y.-K.; Kimmel T.D.; Kodyš P.; Konno T.; Korobov A.; Korpar S.; Kovalenko E.; Križan P.; Kroeger R.; Krovovny P.; Kuhr T.; Kulasiri	Search for the decay $B_0 \rightarrow K^* 0 \tau^+ \tau^-$ at the Belle experiment	2023	Physical Review D	108	1				10.1103/PhysRevD.108.L011102	American Physical Society	24700010		Scopus
1261	Article	Biswas A.; Chakraborty S.	Organics and coliform removal from low strength domestic wastewater using integrated constructed wetland – microbial fuel cell reactor with bioelectricity generation	2023	Journal of Cleaner Production	408					10.1016/j.jclepro.2023.137204	Elsevier Ltd	9596526		Scopus
1262	Article	Jee A.A.; Pradhan B.	Effect of Magnesium Sulfate in Chloride Solution on Variation in Microstructure, Chloride Diffusion, and Chloride-Binding Behavior of Concrete	2023	Journal of Materials in Civil Engineering	35	7				10.1061/JMCEE7.MTENG-14633	American Society of Civil Engineers (ASCE)	8991561		Scopus
1263	Article	Sah B.; Kumar P.	Charger Integrated Coestimation of Parameters and States of Battery	2023	IEEE Transactions on Power Electronics	38	7	7923	7932	9	10.1109/TPEL.2023.3253562	Institute of Electrical and Electronics Engineers Inc.	8858993		Scopus
1264	Article	Sinha A.K.; Talukdar S.	Repairing of web opened RC beam with ferrocement laminates using alkali activated mortar	2023	Journal of Building Pathology and Rehabilitation	8	1				10.1007/s41024-023-00302-5	Springer Nature	23653159		Scopus
1265	Article	Banerjee P.; Coutinho A.; Engel T.; Gurgone A.; Signer A.; Ulrich Y.	High-precision muon decay predictions for ALP searches	2023	SciPost Physics	15	1				10.21468/SciPostPhys.15.1.021	SciPost Foundation	25424653	All Open Access; Gold Open Access; Green Open Access	Scopus

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1266	Article	Mitra S.; Basak M.; Biswas S.; Gooh Pattader P.S.	Digital electronic based portable device for colorimetric quantification of ketones and glucose level in human urine	2023	Measurement: Journal of the International Measurement Confederation	214					10.1016/j.measurement.2023.112848	Elsevier B.V.	2632241		Scopus
1267	Article	Durgaprasad K.; Pal S.; Das M.	Influence of cusp magnetic field on the evolution of metallurgical and mechanical properties in GTAW of SS 304	2023	International Journal of Advanced Manufacturing Technology	126	#####	5199	5214	15	10.1007/s00170-023-11441-x	Springer Science and Business Media Deutschland GmbH	2683768		Scopus
1268	Article	Vio War A.S.; Kumar N.; Chanda S.	Does preclinical analysis based on static loading underestimate post-surgery stem micromotion in THA as opposed to dynamic gait loading?	2023	Medical and Biological Engineering and Computing	61	6	1473	1488	15	10.1007/s11517-023-02801-6	Springer Science and Business Media Deutschland GmbH	1400118		Scopus
1269	Article	Hazra S.K.; Pathak P.K.; Dey T.N.	Self-induced transparency in a semiconductor quantum dot medium at ultracold temperatures	2023	Physical Review B	107	23				10.1103/PhysRevB.107.235409	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
1270	Article	Bhan C.; Golder A.K.	Utilizing bioinspired AgNPs as an antibacterial agent to enhance ceramic membrane performance	2023	Journal of Environmental Chemical Engineering	11	3				10.1016/j.jece.2023.110283	Elsevier Ltd	22133437		Scopus
1271	Article	Karjee P.; Mandal S.; Debnath B.; Namdev N.; Punniyamurthy T.	Expedient (3+3)-annulation of in situ generated azaoxyallyl cations with diaziridines	2023	Chemical Communications	59	53	8270	8273	3	10.1039/d3cc02136j	Royal Society of Chemistry	13597345		Scopus
1272	Article	Maurya P.; Palanisamy M.; Ramalingam A.	Assessment of indoor air quality of porous media combustion-based cookstoves	2023	Environmental Science and Pollution Research	30	31	77657	77667	10	10.1007/s11356-023-27760-1	Springer Science and Business Media Deutschland GmbH	9441344	All Open Access; Green Open Access	Scopus
1273	Article	Padhan A.; Parida R.; Lahiri S.; Giri M.K.; Mishra T.	Quantum phases of constrained bosons on a two-leg Bose-Hubbard ladder	2023	Physical Review A	108	1				10.1103/PhysRevA.108.013316	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
1274	Article	Bora S.N.; Das S.; Meylan M.H.; Saha S.; Zheng S.	Time-dependent water wave scattering by a marine structure consisting of an array of compound porous cylinders	2023	Physics of Fluids	35	7				10.1063/5.0147809	American Institute of Physics Inc.	10706631		Scopus
1275	Article	Sengupta B.	Regional policy interaction in a federal economy	2023	Indian Economic Review	58	1	91	103	12	10.1007/s41775-023-00185-w	Editorial Office, Indian Economic Review	194670		Scopus
1276	Article	Hajra A.; Chattopadhyay A.	Dimension-Dependent Magnetic Behavior of Manganese-Cysteine Inorganic Complex Nanoparticles	2023	Langmuir	39	25	8668	8679	11	10.1021/acs.langmuir.3c00531	American Chemical Society	7437463		Scopus
1277	Review	Kundu A.; Reddy C.V.; Singh R.K.; Kalamdhad A.S.	Critical review with science mapping on the latest pre-treatment technologies of landfill leachate	2023	Journal of Environmental Management	336					10.1016/j.jenvman.2023.117727	Academic Press	3014797		Scopus
1278	Article	Deka B.; Chandra P.; Yadav P.; Rehman A.; Kumari S.; Kunnumakkara A.B.; Singh K.K.	RNPS1 functions as an oncogenic splicing factor in cervical cancer cells	2023	IUBMB Life	75	6	514	529	15	10.1002/iub.2686	John Wiley and Sons Inc	15216543		Scopus

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1279	Article	Shyam R.; Negi D.; Shekhawat K.; Singh F.; Ojha S.; Umapathy G.R.; Vashishtha P.; Gupta G.; Pandey S.; Dobbidi P.; Nelamarri S.R.	Influence of 120 MeV Au Ion Irradiation on Phase Transition, Surface, and Optical Properties of Lead-Free (K,Na)NbO3 Films	2023	Physica Status Solidi (A) Applications and Materials Science	220	13				10.1002/pssa.202300179	John Wiley and Sons Inc	18626300		Scopus
1280	Article	Singh V.; Das C.	Detailed Study of Mosambi Juice Clarification by Hybrid (Packed Column and Membrane) Process	2023	Iranian Journal of Chemistry and Chemical Engineering	42	7	2221	2232	119	10.30492/ijcce.2022.556203.539	Iranian Institute of Research and Development in Chemical Industries	10219986		Scopus
1281	Article	Panda S.; Shin H.; Hajra S.; Oh Y.; Oh W.; Lee J.; Rajaittha P.M.; Panigrahi B.K.; Shukla J.; Sahu A.K.; Alagarsamy P.; Kim H.J.	Ferroelectric composite-based piezoelectric energy harvester for self-powered detection of obstructive sleep	2023	Journal of Materiomics	9	4	609	617	8	10.1016/j.jmat.2023.01.002	Chinese Ceramic Society	23528478	All Open Access; Gold Open Access	Scopus
1282	Review	Rajendran R.M.; Selvam R.A.; Tiwari P.; Pandey L.M.	Recent Perspectives on the Management of Formation Water Generated from Hydrocarbon Reservoirs	2023	ACS ES and T Water	3	6	1502	1514	12	10.1021/acsestwater.2c00453	American Chemical Society	26900637		Scopus
1283	Article	Das S.; Saikia A.	A necessary condition for p and 2p to be congruent for a prime $p \equiv 1 \pmod{8}$	2023	Journal of Pure and Applied Algebra	227	7				10.1016/j.jpaa.2023.107335	Elsevier B.V.	224049		Scopus
1284	Review	Devi M.; Moorthy B.; Thangavel R.	Recent developments in zinc metal anodes, cathodes, and electrolytes for zinc-ion hybrid capacitors	2023	Sustainable Energy and Fuels	7	16	3776	3795	19	10.1039/d3se00565h	Royal Society of Chemistry	23984902		Scopus
1285	Article	Panda S.; Gogoi A.; Hazra B.; Pakrashi V.	Geometry preserving Ito-Taylor formulation for stochastic hamiltonian dynamics on manifolds	2023	Applied Mathematical Modelling	119		626	647	21	10.1016/j.apm.2023.03.015	Elsevier Inc.	0307904X		Scopus
1286	Article	Priyadarshi A.; Devi H.M.; Swaminathan R.	Disruption of Spatial Proximities among Charged Groups in Equilibrium-Denatured States of Proteins Tracked Using Protein Charge Transfer Spectra	2023	Biochemistry	62	11	1643	1658	15	10.1021/acs.biochem.3c00006	American Chemical Society	62960		Scopus
1287	Article	Bhattacharyya R.; Sarma P.K.; Das T.K.	Mass exodus of India’s internal migrant labourers during the first phase of COVID-19: a critical analysis	2023	SN Social Sciences	3	7				10.1007/s43545-023-00691-x	Springer Nature	26629283		Scopus
1288	Article	Ghosh S.; Krishnan J.; Karthik V.; Dhakshinamoorthy A.; Biswas S.	Functionalized Metal-Organic Framework for Selective Fluorometric Detection of Sodium Dodecyl Sulfate and Vitamin B12Using MOF@Cotton Composites and Lewis Base-Catalyzed Condensation Reaction	2023	Inorganic Chemistry	62	22	8605	8614	9	10.1021/acs.inorgchem.3c00631	American Chemical Society	201669		Scopus
1289	Article	Pawar A.R.; Kashyap S.; Chouhan S.	Error Probability Analysis of Intelligent Reflecting Surface-Enabled Non-Orthogonal Multiple Access Systems	2023	IEEE Transactions on Vehicular Technology	72	7	9237	9251	14	10.1109/TVT.2023.3252083	Institute of Electrical and Electronics Engineers Inc.	189545		Scopus

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1290	Article	Biswas A.; Nandi S.; Ray I.	Extractions of $ \nu_{ub} / \nu_{cb} $ from a combined study of the exclusive $b \rightarrow u(c) \ell - \nu^- \ell$ decays	2023	Journal of High Energy Physics	2023	7				10.1007/JHEP07(2023)024	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access; Green Open Access	Scopus
1291	Article	Sahu P.; Vairakannu P.	CO2 pyrolysis and gasification of COVID-19 based wastes (overall gown) with Indian high ash coal	2023	Asia-Pacific Journal of Chemical Engineering	18	4				10.1002/apj.2905	John Wiley and Sons Ltd	19322135		Scopus
1292	Letter	Bhale P.; Biswas S.; Nandi S.	Effective injection of adversarial botnet attacks in IoT ecosystem using evolutionary computing	2023	Internet Technology Letters	6	4				10.1002/itl2.433	John Wiley and Sons Inc	24761508		Scopus
1293	Article	Ghosh A.; Kulkarni R.; Gupta C.B.; Sekharan S.	Measurement of fly ash particle size distribution using lensless digital in-line holography	2023	Journal of Testing and Evaluation	51	4				10.1520/JTE20220545	ASTM International	903973		Scopus
1294	Article	Kumar D.; Mehta S.K.; Mondal P.K.	Enhanced bio-fluids mixing by the soft polyelectrolyte layer-modulated electroosmotic vortices	2023	Physics of Fluids	35	7				10.1063/5.0157622	American Institute of Physics Inc.	10706631		Scopus
1295	Review	Dey S.; Jaiswal C.; Shome S.; Bhar B.; Bandyopadhyay A.; Manikumar K.; Dadheech R.; Mandal B.B.	Photocrosslinkable Silk-Based Biomaterials for Regenerative Medicine and Healthcare Applications	2023	Regenerative Engineering and Translational Medicine	9	2	181	201	20	10.1007/s40883-022-00277-8	Springer Science and Business Media Deutschland GmbH	23644133		Scopus
1296	Article	Baruah S.; Kumar A.; Peela N.R.	Role of ZSM-5/AC hybrid support on the catalytic activity of Pd-Ag electrocatalysts towards ethanol oxidation: An experimental and kinetic study	2023	Electrochimica Acta	453					10.1016/j.electacta.2023.142357	Elsevier Ltd	134686		Scopus
1297	Article	Patel P.K.; Pandey L.M.; Uppaluri R.V.S.	Cyclic desorption based efficacy of polyvinyl alcohol-chitosan variant resins for multi heavy-metal removal	2023	International Journal of Biological Macromolecules	242					10.1016/j.ijbiomac.2023.124812	Elsevier B.V.	1418130		Scopus
1298	Article	Das A.; Debnath T.	Giant Exciton Stokes Shift in Interfacially Prepared Cs(Mn/Pb)Cl3 Alloy Nanoplatelets	2023	Journal of Physical Chemistry Letters	14	25	5940	5948	8	10.1021/acs.jpclett.3c01093	American Chemical Society	19487185		Scopus
1299	Article	Das P.; Gupta J.; Sikdar D.; Bhattacharjee R.	Aperture–patch sandwich metasurface for magnetic field enhancement in 1.5 T MRI	2023	Magnetic Resonance Imaging	100		1	9	8	10.1016/j.mri.2023.03.005	Elsevier Inc.	0730725X		Scopus
1300	Article	Singh H.K.; Sarma M.	Torsional Rotation in Ditopic Receptor Host and its Complex Formation with Resorcinol Guest: A Computational Study	2023	ChemPhysChem	24	11				10.1002/cphc.202200928	John Wiley and Sons Inc	14394235	All Open Access; Bronze Open Access	Scopus
1301	Article	Yadav H.N.S.; Kumar M.; Kumar A.; Das M.	Plasma polishing processes applied on optical materials: A review	2023	Journal of Micromanufacturing	6	1	27	39	12	10.1177/25165984211038882	SAGE Publications Ltd	25165984		Scopus
1302	Article	Gogoi R.; Ghosh A.; Deka P.; Datta K.K.R.; Raidongia K.	Application of lamellar nickel hydroxide membrane as a tunable platform for ionic thermoelectric studies	2023	Materials Horizons	10	8	3072	3081	9	10.1039/d3mh00479a	Royal Society of Chemistry	20516347		Scopus

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1303	Article	Shi Q.; Dong D.; Gervinskas G.; Lin H.; Sikdar D.; Jia B.; Walia S.; Sriram S.; Bhaskaran M.; Yap L.W.; Cheng W.	Soft Plasmene Helical Nanostructures	2023	Advanced Materials Technologies	8	9				10.1002/admt.202201866	John Wiley and Sons Inc	2365709X	All Open Access; Hybrid Gold Open Access	Scopus
1304	Article	Das A.; Mohanty K.	Optimization of lignin extraction from bamboo by ultrasound-assisted organosolv pretreatment	2023	Bioresource Technology	376					10.1016/j.biortech.2023.128884	Elsevier Ltd	9608524		Scopus
1305	Article	Ghale V.; Das S.; Chakraborty D.	A Heron triangle and a Diophantine equation	2023	Periodica Mathematica Hungarica	86	2	530	537	7	10.1007/s10998-022-00491-5	Akademiai Kiado ZRt.	315303	All Open Access; Green Open Access	Scopus
1306	Article	Veerasamy S.; Srinivasan N.	Robust numerical method for space shift 2D singularly perturbed parabolic convection diffusion differential equations	2023	Computational and Applied Mathematics	42	4				10.1007/s40314-023-02289-8	Springer Nature	22383603		Scopus
1307	Article	Ganguly S.; Paul S.; Khurana D.; Khan T.S.; Giri P.K.; Loha C.; Ghosh S.	Ternary Ni-Co-Se Nanostructure for Electrocatalytic Oxidative Value Addition of Biomass Platform Chemicals	2023	ACS Applied Energy Materials	6	10	5331	5341	10	10.1021/acsaem.3c00313	American Chemical Society	25740962		Scopus
1308	Article	Kumar N.; Deka B.	A stabilizer free weak Galerkin finite element method for second-order Sobolev equation	2023	Numerical Methods for Partial Differential Equations	39	3	2115	2140	25	10.1002/num.22960	John Wiley and Sons Inc	0749159X		Scopus
1309	Article	Rajput A.S.; Das M.; Kapil S.	Investigation of surface characteristics on post processed additively manufactured biomaterial through magnetorheological fluid assisted finishing process	2023	Wear	522					10.1016/j.wear.2023.204684	Elsevier Ltd	431648		Scopus
1310	Article	Behera P.K.; Deshpande V.; Kumar B.	Behavioral patterns of turbulent kinetic energy budget and quadrant analysis for flows over bedform under the influence of downward seepage	2023	AIP Advances	13	6				10.1063/5.0155757	American Institute of Physics Inc.	21583226	All Open Access; Gold Open Access	Scopus
1311	Article	Rambabu P.; Peela N.R.	In-situ CdS nanowires on g-C3N4 nanosheet heterojunction construction in 3D-Optofluidic microreactor for the photocatalytic green hydrogen production	2023	International Journal of Hydrogen Energy	48	41	15406	15420	14	10.1016/j.ijhydene.2023.01.041	Elsevier Ltd	3603199		Scopus
1312	Article	Thongam D.D.; Chaturvedi H.	Heterostructure charge transfer dynamics on self-assembled ZnO on electronically different single-walled carbon nanotubes	2023	Chemosphere	323					10.1016/j.chemosphere.2023.138239	Elsevier Ltd	456535		Scopus
1313	Article	Reddy R.S.; Panda S.	A generalized finite element formulation for nonlinear frequency response analysis of viscoelastic sandwich beams using harmonic balance method	2023	Archive of Applied Mechanics	93	5	2209	2241	32	10.1007/s00419-023-02380-w	Springer Science and Business Media Deutschland GmbH	9391533		Scopus

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1314	Article	Behera P.K.; Yadav K.; Shankar Rao D.S.; Pandey U.K.; Sudhakar A.A.	Ambipolar Columnar Self-assembled Organic Semiconductors based on Heteroatom bay-Annulated Perylene Bisimides	2023	Chemistry - An Asian Journal	18	9				10.1002/asia.202300086	John Wiley and Sons Ltd	18614728		Scopus
1315	Article	Gupta S.; Kumar A.; Mukherjee S.; Kushwah K.K.; Mahobia S.K.; Patharia P.; Kushwaha A.; Yadav D.; Dwivedi U.K.; Kumar S.; Choubey R.K.	Temperature-dependent study of the fabricated ZnS/p-Si heterojunction	2023	Physica B: Condensed Matter	657					10.1016/j.physb.2023.414831	Elsevier B.V.	9214526		Scopus
1316	Article	Kumar D.; Singh L.G.; Singh S.R.	Hashtag-Based Tweet Expansion for Improved Topic Modeling	2023	IEEE Transactions on Computational Social Systems	10	3	1211	1229	18	10.1109/TCSS.2022.3171206	Institute of Electrical and Electronics Engineers Inc.	2329924X		Scopus
1317	Article	Ingtipi K.; Choudhury B.J.; Moholkar V.S.	Ultrasound assisted lignin-decorated MWCNT doped flexible PVA–Chitosan composite hydrogel	2023	Materials Today Communications	35					10.1016/j.mtcomm.2023.105676	Elsevier Ltd	23524928		Scopus
1318	Article	Kalita S.; Uniyal A.	Constraining Fundamental Parameters in Modified Gravity Using Gaia-DR2 Massive White Dwarf Observations	2023	Astrophysical Journal	949	2				10.3847/1538-4357/accf1c	Institute of Physics	0004637X	All Open Access; Gold Open Access; Green Open Access	Scopus
1319	Article	Arora S.; Lade A.D.; Kumar B.	Higher-order turbulence statistics and multiscale characterization of morphodynamics in a riverbank section with an upstream mining pit	2023	Physics of Fluids	35	6				10.1063/5.0159014	American Institute of Physics Inc.	10706631		Scopus
1320	Article	Barman N.; Shome A.; Kumar S.; Mondal P.; Jain K.; Tenjimbayashi M.; Manna U.	Preprogramming Floating Time of Liquid Marble	2023	Advanced Functional Materials	33	22				10.1002/adfm.202214840	John Wiley and Sons Inc	1616301X		Scopus
1321	Article	Kumar P.V.; Birru A.K.; Muthu N.	EVALUATION OF Zr, Ni-Cr, And Au-Ag APPLIED MATERIALS USING FEM ON PROSTHETIC CROWNS	2023	Malaysian Journal of Science	42	2	41	46	5	10.22452/mjs.vol42no2.6	Malaysian Abstracting and Indexing System	13943065		Scopus
1322	Article	Singh S.; Navale G.R.; Agrawal S.; Singh H.K.; Singla L.; Sarkar D.; Sarma M.; Choudhury A.R.; Ghosh K.	Design and synthesis of piano-stool ruthenium(II) complexes and their studies on the inhibition of amyloid β (1–42) peptide aggregation	2023	International Journal of Biological Macromolecules	239					10.1016/j.ijbiomac.2023.124197	Elsevier B.V.	1418130		Scopus
1323	Article	Dey B.; Bandyopadhyay S.; Nandi S.	Mobility Assisted Adaptive Clustering Hierarchy for IoT Based Sensor Networks in 5G and Beyond	2023	Journal of Communications	18	6	346	356	10	10.12720/jcm.18.6.346-356	Engineering and Technology Publishing	17962021	All Open Access; Hybrid Gold Open Access	Scopus

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1324	Article	Bhattacharyya R.; El-Emam R.S.; Khalid F.	Climate action for the shipping industry: Some perspectives on the role of nuclear power in maritime decarbonization	2023	e-Prime - Advances in Electrical Engineering, Electronics and Energy	4					10.1016/j.prime.2023.100132	Elsevier Ltd	27726711	All Open Access; Gold Open Access	Scopus
1325	Article	Barua G.; Talukdar J.	An analytical solution to the steady one-dimensional Gardner-based infiltration equation for an inclined heterogeneous soil with any arbitrary root-water uptake function	2023	Sadhana - Academy Proceedings in Engineering Sciences	48	2				10.1007/s12046-023-02144-w	Springer	2562499		Scopus
1326	Article	Borbora A.; Das J.; Manna U.	Chemically selective raising and rolling of oil-droplets underwater: an equipment-free chemical sensing method	2023	Chemical Communications	59	51	7915	7918	3	10.1039/d3cc01540h	Royal Society of Chemistry	13597345		Scopus
1327	Article	Mohapatra P.P.; Dobbidi P.	Development of spinel ferrite-based composites for efficient EMI shielding	2023	Materials Chemistry and Physics	301					10.1016/j.matchemphys.2023.127581	Elsevier Ltd	2540584		Scopus
1328	Article	Kumar M.; Ajay Kumar P.V.; Pugazhenth G.; Pakshirajan K.	Recovery and purification of copper sulfide nanoparticles from acid mine drainage by biological sulfate reduction and microfiltration using low-cost ceramic membrane	2023	Clean Technologies and Environmental Policy	25	4	1309	1322	13	10.1007/s10098-022-02444-5	Springer Science and Business Media Deutschland GmbH	1618954X		Scopus
1329	Article	Maity A.; Mondal S.S.	A note on singular integral	2023	Analysis (Germany)						10.1515/anly-2022-1107	Walter de Gruyter GmbH	1744747		Scopus
1330	Article	Dhara H.N.; Rakshit A.; Barik D.; Ghosh K.; Patel B.K.	Visible-light driven electron-donor-acceptor (EDA) complex-initiated synthesis of thio-functionalized pyridines	2023	Chemical Communications	59	51	7990	7993	3	10.1039/d3cc01678a	Royal Society of Chemistry	13597345		Scopus
1331	Article	Kumar D.; Gaikwad H.S.; Kaushik P.; Mondal P.K.	Swirl driven solute mixing in narrow cylindrical channel	2023	Physics of Fluids	35	6				10.1063/5.0153818	American Institute of Physics Inc.	10706631		Scopus
1332	Article	Kumar A.; Deng Y.; He X.; Singh A.R.; Kumar P.; Bansal R.C.; Bettayeb M.; Ghenai C.; Naidoo R.M.	Impact of demand side management approaches for the enhancement of voltage stability loadability and customer satisfaction index	2023	Applied Energy	339					10.1016/j.apenergy.2023.120949	Elsevier Ltd	3062619	All Open Access; Green Open Access	Scopus
1333	Article	Sundaram M.K.; Nehru G.; Tadi S.R.R.; Katsuno N.; Nishizu T.; Sivaprakasam S.	Bacterial cellulose production by Komagataeibacter hansenii utilizing agro-industrial residues and its application in coffee milk stabilization	2023	Biomass Conversion and Biorefinery	13	9	7971	7981	10	10.1007/s13399-021-01867-2	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1334	Article	Singh K.M.; Deka J.; Biswas S.	Incomplete Testing of SOC	2023	Journal of Electronic Testing: Theory and Applications (JETTA)	39	3	387	402	15	10.1007/s10836-023-06067-6	Springer	9238174		Scopus
1335	Article	Alom S.E.; Swaminathan R.	Protein charge transfer spectra in a monomeric protein with no lysine	2023	Physical Chemistry Chemical Physics	25	24	16626	16642	16	10.1039/d2cp05836g	Royal Society of Chemistry	14639076		Scopus
1336	Article	Hossain M.T.; Jena T.; Nath U.; Sarma M.; Giri P.K.	Room temperature exciton formation and robust optical properties of CVD-grown ultrathin Bi2O2Se crystals on arbitrary substrates	2023	Nanoscale	15	26	11222	11236	14	10.1039/d3nr01201h	Royal Society of Chemistry	20403364		Scopus

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1337	Article	Sarma R.; Singh A.K.; Kapil S.; Bag S.; Joshi S.N.	Evolution of near homogenous mechanical and microstructural properties in wire-arc based directed energy deposition of low carbon steel following trochoidal trajectory toolpath	2023	Journal of Materials Processing Technology	315					10.1016/j.jmatprotec.2023.117921	Elsevier Ltd	9240136		Scopus
1338	Article	Singh S.; Kumar A.; Sitharam T.G.	Stability Assessment of a Tailings Pond Considering the Effect of Staged Construction and Embankment Raising Rate: a Numerical Study	2023	Mining, Metallurgy and Exploration	40	3	851	869	18	10.1007/s42461-023-00772-8	Springer Science and Business Media Deutschland GmbH	25243462		Scopus
1339	Article	Saha S.; Debnath B.; Talukdar K.; Karjee P.; Mandal S.; Punniyamurthy T.	Cascade C-H Activation/Annulation of Sulfoxonium Ylides with Vinyl Cyclopropanes: Access to Cyclopropane-Fused α -Tetralones	2023	Organic Letters	25	19	3352	3357	5	10.1021/acs.orglett.3c00650	American Chemical Society	15237060		Scopus
1340	Article	Das P.; Gupta J.; Sikdar D.; Bhattacharjee R.	A non-linear triangular split-ring based metaresonator for targeted scanning at 1.5T MRI	2023	Physica Scripta	98	6				10.1088/1402-4896/accf49	Institute of Physics	318949		Scopus
1341	Article	Bhattacharjee P.; Mishra H.; Iyer P.K.; Nemade H.B.	Acoustically improved performance in poly(3-hexylthiophene) based organic field effect transistor	2023	Journal of Applied Physics	133	19				10.1063/5.0150580	American Institute of Physics Inc.	218979		Scopus
1342	Article	Bhale P.; Chowdhury D.R.; Biswas S.; Nandi S.	OPTIMIST: Lightweight and Transparent IDS with Optimum Placement Strategy to Mitigate Mixed-Rate DDoS Attacks in IoT Networks	2023	IEEE Internet of Things Journal	10	10	8357	8370	13	10.1109/JIOT.2023.3234530	Institute of Electrical and Electronics Engineers Inc.	23274662		Scopus
1343	Article	Baruah R.R.; Mohanta Y.K.; Saha M.; Ghosh S.S.; Kalita M.C.; Devi D.	Reinforced non-mulberry silk fibroin–fibroin nanocomposites and their optimization for tissue engineering applications	2023	Journal of Materials Science	58	24	10131	10147	16	10.1007/s10853-023-08625-x	Springer	222461		Scopus
1344	Article	Kumar U.; Tiwari S.	MULTIPLE SOLUTIONS TO BAHRI–CORON PROBLEM INVOLVING FRACTIONAL p-LAPLACIAN IN SOME DOMAIN WITH NONTRIVIAL TOPOLOGY	2023	Topological Methods in Nonlinear Analysis	61	2	717	742	25	10.12775/TMNA.2022.033	Juliusz Schauder Center for Nonlinear Analysis	12303429		Scopus
1345	Review	Katare A.; Kumar S.; Kundu S.; Sharma S.; Kundu L.M.; Mandal B.	Mixed Matrix Membranes for Carbon Capture and Sequestration: Challenges and Scope	2023	ACS Omega	8	20	17511	17522	11	10.1021/acsomega.3c01666	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
1346	Review	Parbat D.; Jana N.; Dhar M.; Manna U.	Reactive Multilayer Coating As Versatile Nanoarchitectonics for Customizing Various Bioinspired Liquid Wettabilities	2023	ACS Applied Materials and Interfaces	15	21	25232	25247	15	10.1021/acsami.2c04759	American Chemical Society	19448244		Scopus

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1347	Review	Afroz M.A.; Singh A.; Gupta R.K.; Garai R.; Tailor N.K.; Yukta N.; Choudhary S.; Sharma B.; Mahajan P.; Padha B.; Verma S.; Arya S.; Gupta V.; Akin S.; Prochowicz D.; Tavakoli M.M.; Singh S.P.; Iyer P.K.; Yadav P.; Hu H.; De G.; Satapathi S.	Design potential and future prospects of lead-free halide perovskites in photovoltaic devices	2023	Journal of Materials Chemistry A	11	25	13133	13173	40	10.1039/d2ta07687j	Royal Society of Chemistry	20507488		Scopus
1348	Article	Kulkarni S.S.; Kumar A.; Lambor A.R.; Nayak S.K.	Planar metasurface sub-reflector based dual-reflector antenna for multi-directional beaming	2023	AEU - International Journal of Electronics and Communications	164					10.1016/j.aeue.2023.154621	Elsevier GmbH	14348411		Scopus
1349	Article	Sharma S.; Deka K.; Bhatia V.	Intelligent Reflecting Surface-Aided Downlink SCMA	2023	IEEE Systems Journal	17	2	3204	3211	7	10.1109/JSYST.2022.3207998	Institute of Electrical and Electronics Engineers Inc.	19328184		Scopus
1350	Article	Mohapatra P.P.; Dobbidi P.	Thickness tuneable dielectric, optical and magnetic response of lithium ferrite thin films deposited by pulsed laser deposition	2023	Thin Solid Films	774					10.1016/j.tsf.2023.139845	Elsevier B.V.	406090		Scopus
1351	Article	Ganeshan P.; Vigneswaran V.S.; Gowd S.C.; Kondusamy D.; Sanjay kumar C.; Krishnamoorthy N.; Kumar D.; Juneja A.; Paramasivan B.; Raju N.N.; Rajendran K.; Pugazhendhi A.	How does techno-economic analysis and lifecycle assessment help in commercializing the biohydrogen supply chain?	2023	Fuel	341					10.1016/j.fuel.2023.127601	Elsevier Ltd	162361		Scopus
1352	Article	Bhattacharjee T.; Bhattacharjee A.; Deka D.; Purkait M.K.; Chowdhury D.; Majumdar G.	Adsorption Characteristics of Cetirizine on Graphene Oxide	2023	Sustainable Chemistry	4	2	209	223	14	10.3390/suschem4020016	Multidisciplinary Digital Publishing Institute (MDPI)	26734079	All Open Access; Gold Open Access; Green Open Access	Scopus
1353	Article	Kumar Mondal S.; Bharti R.; Kumar S.	Spatio-temporal variations in oxygen and deuterium isotope of different water sources in Sikkim Himalayas: An understanding towards regional scale basin hydrology	2023	Journal of Hydrology	621					10.1016/j.jhydrol.2023.129613	Elsevier B.V.	221694		Scopus
1354	Review	Sardar B.; Srimani D.	Concept and progress on the de(hydrogenation) and hydrogenation reactions using transition metal integrated layered double hydroxides (LDHs)	2023	Tetrahedron	138					10.1016/j.tet.2023.133414	Elsevier Ltd	404020		Scopus
1355	Article	Purnima M.; Goswami K.P.; Kumar M.; Pakshirajan K.; Pugazhenth G.	Low-cost and highly durable kaolin supported CHA zeolite composite membrane for efficient removal of heavy metals from aqueous solution	2023	Environmental Technology and Innovation	30					10.1016/j.eti.2023.103102	Elsevier B.V.	23521864	All Open Access; Gold Open Access	Scopus

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1356	Article	Seenivasan A.N.; Chakrabarti S.; Majhi B.R.	Scalar fluid in scalar-tensor gravity from an equivalent picture of thermodynamic and fluid descriptions of gravitational dynamics	2023	Physical Review D	107	10				10.1103/PhysRevD.107.104027	American Physical Society	24700010	All Open Access; Green Open Access	Scopus
1357	Article	Dehury P.; Mahanta U.; Singh R.; Banerjee T.	Potential of deep eutectic solvent based nanofluids as a new generation heat transfer media	2023	Journal of Molecular Liquids	379					10.1016/j.molliq.2023.121700	Elsevier B.V.	1677322		Scopus
1358	Article	Paul B.; Nath A.; Krishnaswamy S.; Pidanic J.; Nemecek Z.; Trivedi G.	Tensor Based Multivariate Polynomial Modulo Multiplier for Cryptographic Applications	2023	IEEE Transactions on Computers	72	6	1581	1594	13	10.1109/TC.2022.3215638	IEEE Computer Society	189340	All Open Access; Green Open Access	Scopus
1359	Article	Nudrat S.; Giri P.; Nongbri D.L.; Kumari K.; Quraishi S.; Jana M.; Aguan K.; Singha Roy A.	Analysis of the Binding Mechanism of Bioactive Coumarins with Ovalbumin: Further Investigation into the Inhibitory Effects toward Protein Fibrillation	2023	ACS Food Science and Technology	3	5	866	880	14	10.1021/acsfoodscitech.3c00055	American Chemical Society	26921944		Scopus
1360	Article	Reddy R.S.; Gupta A.; Panda S.	Parametric Instability Control of Porous Functionally Graded Beam using Piezoelectric Actuators	2023	Journal of The Institution of Engineers (India): Series C	104	3	553	562	9	10.1007/s40032-023-00937-w	Springer	22500545		Scopus
1361	Review	Bhushan S.; Jayakrishnan U.; Shree B.; Bhatt P.; Eshkabilov S.; Simsek H.	Biological pretreatment for algal biomass feedstock for biofuel production	2023	Journal of Environmental Chemical Engineering	11	3				10.1016/j.jece.2023.109870	Elsevier Ltd	22133437		Scopus
1362	Article	Islam K.; Bhunia B.K.; Mandal G.; Nag B.; Jaiswal C.; Mandal B.B.; Kumar A.	Room-Temperature, Copper-Free, and Amine-Free Sonogashira Reaction in a Green Solvent: Synthesis of Tetraalkynylated Anthracenes and In Vitro Assessment of Their Cytotoxic Potentials	2023	ACS Omega	8	19	16907	16926	19	10.1021/acsomega.3c00732	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
1363	Article	Mallick R.; V P.	Energy, exergy, economic and environmental (4-E) analyses of plasma gasification steam cycle integrated molten carbonate fuel cell for hydrogen and power co-generation based on residual waste feedstocks	2023	International Journal of Hydrogen Energy	48	45	16971	16986	15	10.1016/j.ijhydene.2023.01.231	Elsevier Ltd	3603199		Scopus
1364	Article	Arora J.; Kar S.; Jha K.N.	Assessment of the Significance of Identified Attributes Affecting the Rebar-Fixing Productivity Using Multiple Regression	2023	Journal of Construction Engineering and Management	149	6				10.1061/JCEMD4.COENG-12861	American Society of Civil Engineers (ASCE)	7339364		Scopus

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1365	Article	Aceró M.A.; Adamson P.; Agam G.; Aliaga L.; Alion T.; Allakhverdian V.; Altakarli S.; Anfimov N.; Antoshkin A.; Asquith L.; Arrieta-Díaz E.; Aurisano A.; Back A.; Baird M.; Balashov N.; Baldi P.; Bambah B.A.; Bashar S.; Bays K.; Bending S.; Bernstein R.; Bhatnagar V.; Bhuyan B.; Bian J.; Blair J.; Booth A.C.; Bour P.; Bromberg C.; Buchanan N.; Butkevich A.; Calvez S.; Campbell M.; Carroll T.J.; Catano-Mur E.; Childress S.; Choudhary B.C.; Chowdhury B.; Coan T.E.; Colo M.; Corwin L.; Cremonesi L.; Davies G.S.; Derwent P.F.; Dharmapalan R.; Ding P.; Djurcic Z.; Dolce M.; Doyle D.; Dukes E.C.; Dueñas Tanguino D.; Dung P.; Duyang H.; Edayath S.; Ehrlich R.; Feldman G.J.; Filip P.; Flanagan W.; Frank M.J.; Gallagher H.R.; Gandrajula R.; Gao F.; Germani S.; Giri A.; Gomes R.A.; Goodman M.C.; Grichine V.; Groh M.; Group R.; Guo B.; Habig A.; Hakl F.; Hall A.; Hartnell J.; Hatcher R.; Hatzikoutelis A.; Heller K.; Hewes V.; Himmel A.; Holin A.; Howard B.; Huang J.; Hysten J.; Jediny F.; Johnson C.; Judah M.; Kakorin I.; Kalra D.; Kaplan D.M.; Keloth R.; Klimov O.; Koerner L.W.; Kolupaeva L.; Kotelnikov S.; Kreymer	Measurement of $\nu\mu$ charged-current inclusive π^0 production in the NOvA near detector	2023	Physical Review D	107	11					10.1103/PhysRevD.107.112008	American Physical Society	24700010		Scopus
1366	Article	Abhijit D.; Gupta C.B.; SreedeeP S.	Effect of Shrinkage on Water Retention Characteristics of Bentonite and Its Influence on WRCC Parameterization	2023	Indian Geotechnical Journal	53	3	548	561	13	10.1007/s40098-022-00688-y	Springer	9719555		Scopus	
1367	Article	Bhowmik T.; Kr. Bhowmik B.; Kr. Pandey P.; Kumar G.; Sikdar D.	Dual-band electro-optic modulator based on tunable broadband metamaterial absorber	2023	Optics and Laser Technology	161					10.1016/j.optlastec.2023.109129	Elsevier Ltd	303992		Scopus	
1368	Article	Chanda A.; Pramanik S.	Effects of a thin vertical porous barrier on the water wave scattering by a porous breakwater	2023	Physics of Fluids	35	6				10.1063/5.0153109	American Institute of Physics Inc.	10706631		Scopus	
1369	Article	Das K.; Mahanta A.	Rural non-farm employment diversification in India: the role of gender, education, caste and land ownership	2023	International Journal of Social Economics	50	6	741	765	24	10.1108/IJSE-06-2022-0429	Emerald Publishing	3068293		Scopus	
1370	Article	Ali N.A.; Dash K.K.; Pandey V.K.; Tripathi A.; Mukarram S.A.; Harsányi E.; Kovács B.	Extraction and Encapsulation of Phytocompounds of Poniol Fruit via Co-Crystallization: Physicochemical Properties and Characterization	2023	Molecules	28	12				10.3390/molecules28124764	MDPI	14203049	All Open Access; Gold Open Access; Green Open Access	Scopus	

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1371	Article	Srivastava M.; Saha P.; Srinivasan A.	Single-Domain Fe2CoAl Nanoparticles and Their Crystallite Size-Dependent Properties	2023	Journal of Physical Chemistry C	127	21	10215	10226	11	10.1021/acs.jpcc.3c01539	American Chemical Society	19327447		Scopus
1372	Article	Mohapatra P.P.; Dobbidi P.	Conduction mechanism, dielectric, and magnetic investigation of lithium ferrite thin films deposited by pulsed laser deposition	2023	Applied Surface Science	619					10.1016/j.apsusc.2023.156706	Elsevier B.V.	1694332		Scopus
1373	Review	Mohan M.; Alom N.; Saha U.K.	Role of optimization and soft-computing techniques in the design and development of futuristic Savonius wind turbine blades: A review	2023	Wind Engineering	47	3	722	744	22	10.1177/0309524X221150491	SAGE Publications Inc.	0309524X		Scopus
1374	Article	Abed Abud A.; Abi B.; Acciarri R.; Acero M.A.; Adames M.R.; Adamov G.; Adamowski M.; Adams D.; Adinolfi M.; Adriano C.; Aduszkiewicz A.; Aguilar J.; Ahmad Z.; Ahmed J.; Aimard B.; Akbar F.; Allison K.; Alonso Monsalve S.; Alrashed M.; Alton A.; Alvarez R.; Amedo P.; Anderson J.; Andrade D.A.; Andreopoulos C.; Andreotti M.; Andrews M.P.; Andrianala F.; Andringa S.; Anfimov N.; Anic��zio Campanelli W.L.; Ankowski A.; Antoniassi M.; Antonova M.; Antoshkin A.; Aranda-Fernandez A.; Arellano L.; Arnold L.O.; Arroyave M.A.; Asaadi J.; Ashkenazi A.; Asquith L.; Atkin E.; Auguste D.; Aurisano A.; Aushev V.; Autiero D.; Ayala-Torres M.; Azfar F.; Back A.; Back H.; Back J.J.; Bagaturia I.; Bagby L.; Balashov N.; Balasubramanian S.; Baldi P.; Baldini W.; Baller B.; Bambah B.; Banerjee R.; Barao F.; Barenboim G.; Barham Alz��s P.; Barker G.J.; Barkhouse W.; Barnes C.; Barr G.; Barranco Monarca J.; Barros A.; Barros N.; Barrow J.L.; Basharina-Freshville A.; Bashyal A.; Basque V.; Batchelor C.; Battat J.B.R.; Battisti F.; Bay F.; Bazetto M.C.Q.; Bazo Alba J.L.L.; Beacom J.F.; Bechetoille	Impact of cross-section uncertainties on supernova neutrino spectral parameter fitting in the Deep Underground Neutrino Experiment	2023	Physical Review D	107	11				10.1103/PhysRevD.107.112012	American Physical Society	24700010		Scopus
1375	Article	Mondal N.; Yadav K.S.; Dalal D.C.	Enhanced Drug Uptake on Application of Electroporation in a Single-Cell Model	2023	Journal of Membrane Biology	256	3	243	255	12	10.1007/s00232-023-00283-z	Springer	222631	All Open Access; Green Open Access	Scopus
1376	Article	Singh S.; Kumar A.; Sitharam T.G.	Stability investigation of embankments of a tailings pond for its dry closure: an Indian case study	2023	Sadhana - Academy Proceedings in Engineering Sciences	48	2				10.1007/s12046-023-02157-5	Springer	2562499		Scopus
1377	Article	Mallick D.; Sharma P.; Bora B.J.; Baruah D.; Bhowmik R.; Barbhuiya S.A.; Balakrishnan D.	Mechanistic investigation of pyrolysis kinetics of water hyacinth for biofuel employing isoconversional method	2023	Sustainable Energy Technologies and Assessments	57					10.1016/j.seta.2023.103175	Elsevier Ltd	22131388		Scopus

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1378	Article	Goswami J.; Bhattacharjya R.K.	Vulnerability Assessment of Groundwater-Based Public Drinking Water Supply System of Kamrup District, Assam, India Considering Social Parameters	2023	Journal of The Institution of Engineers (India): Series A	104	2	483	499	16	10.1007/s40030-023-00724-x	Springer	22502149		Scopus
1379	Article	Acharyya S.R.; Sen P.; Kandasamy T.; Ghosh S.S.	Designing of disruptor molecules to restrain the protein–protein interaction network of VANG1/SCRIB/NOS1AP using fragment-based drug discovery techniques	2023	Molecular Diversity	27	3	989	1010	21	10.1007/s11030-022-10462-0	Institute for Ionics	13811991		Scopus
1380	Article	Hazra S.; Dey S.; Mandal B.B.; Ramachandran C.	In Vitro Profiling of the Extracellular Matrix and Integrins Expressed by Human Corneal Endothelial Cells Cultured on Silk Fibroin-Based Matrices	2023	ACS Biomaterials Science and Engineering	9	5	2438	2451	13	10.1021/acsbiomaterials.2c01566	American Chemical Society	23739878		Scopus
1381	Article	Das S.; Robi P.S.	Processing and characterizations of powder of the AlCoCuFeNi high entropy alloy	2023	Emergent Materials	6	3	987	997	10	10.1007/s42247-023-00466-3	Institute for Ionics	25225731		Scopus
1382	Article	Kumar Nema P.; Mohanty K.; Thangavel R.	Bio-mass derived hierarchically porous and high surface area carbon as an efficient sulfur host for lithium-sulfur batteries	2023	Journal of Industrial and Engineering Chemistry	121		235	241	6	10.1016/j.jiec.2023.01.027	Korean Society of Industrial Engineering Chemistry	1226086X		Scopus
1383	Review	Sen P.; Ghosh S.S.	The Intricate Notch Signaling Dynamics in Therapeutic Realms of Cancer	2023	ACS Pharmacology and Translational Science	6	5	651	670	19	10.1021/acsptsci.2c00239	American Chemical Society	25759108	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1384	Article	Singh A.; Ghosh R.; Agarwal P.	Selection of materials and optimization of antireflection coatings for silicon solar cells using Sentaurus TCAD	2023	Journal of Materials Science: Materials in Electronics	34	15				10.1007/s10854-023-10612-6	Springer	9574522		Scopus
1385	Article	Bhupathi H.K.; Kundu D.; Pugazhenthii G.; Banerjee T.	Insight into the structural and transport properties of methyl and benzyl triphenyl phosphonium based deep eutectic solvents using molecular dynamics simulations	2023	Journal of the Indian Chemical Society	100	6				10.1016/j.jics.2023.100998	Elsevier B.V.	194522		Scopus
1386	Article	Bhardwaj A.K.; Kumar V.; Mondal S.S.	Estimates for the nonlinear viscoelastic damped wave equation on compact Lie groups	2023	Proceedings of the Royal Society of Edinburgh Section A: Mathematics	202					10.1017/prm.2023.38	Cambridge University Press	3082105	All Open Access; Green Open Access	Scopus
1387	Article	Hussain M.S.; Anand V.; Kumar M.	Functional PAM sequence for DNA interference by CRISPR-Cas I-B system of Leptospira interrogans and the role of LinCas11b encoded within lincas8b	2023	International Journal of Biological Macromolecules	237					10.1016/j.ijbiomac.2023.124086	Elsevier B.V.	1418130		Scopus

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1388	Article	Priyadarsini A.; Singh R.; Barbora L.; Maitra S.S.; Moholkar V.S.	Methanotroph detection and bioconversion of methane to methanol by enriched microbial consortium from rice field soil	2023	Bioresource Technology Reports	22					10.1016/j.biteb.2023.101410	Elsevier Ltd	2589014X		Scopus
1389	Article	Boddepalli U.; Gandhi I.S.R.; Panda B.	Stability of three-dimensional printable foam concrete as function of surfactant characteristics	2023	Frontiers of Structural and Civil Engineering	17	6	935	947	12	10.1007/s11709-023-0964-z	Higher Education Press Limited Company	20952430		Scopus
1390	Article	Deka B.; Kumar N.	A systematic study on weak Galerkin finite element method for second-order parabolic problems	2023	Numerical Methods for Partial Differential Equations	39	3	2444	2474	30	10.1002/num.22973	John Wiley and Sons Inc	0749159X	All Open Access; Green Open Access	Scopus
1391	Article	Tsopoe S.P.; Borgohain C.; Borah J.P.	An Investigation of Inverted Core@Shell Nanostructure for Efficacious Magnetic Hyperthermia Applications	2023	Physica Status Solidi (A) Applications and Materials Science	220	11				10.1002/pssa.202200801	John Wiley and Sons Inc	18626300		Scopus
1392	Article	Kumar S.; Dhar M.; Prusty B.M.; Sarkar D.; Das A.; Manna D.; Manna U.	Amidation reaction to derive waterborne, tolerant, and optically transparent solid slippery and superhydrophobic coatings	2023	Chemical Engineering Journal	465					10.1016/j.cej.2023.142776	Elsevier B.V.	13858947		Scopus
1393	Article	Mazumdar R.; Saha S.; Samanta B.; Ghosh R.; Maity S.; Mondal B.	Reaction of a nitrosyl complex of Mn(ii)-porphyrinate with superoxide: NOD activity is favoured over SOD activity	2023	Dalton Transactions	52	23	7917	7925	8	10.1039/d3dt00570d	Royal Society of Chemistry	14779226		Scopus
1394	Article	Sonika; Verma S.K.; Sharma G.; Nayak R.; Meher A.; Samal P.; Sharma A.	Nanocomposite of intrinsically conductive polymers used as the active component in acetone solvent sensors	2023	Nanotechnology for Environmental Engineering	8	2	425	433	8	10.1007/s41204-023-00306-z	Springer Science and Business Media Deutschland GmbH	23656379		Scopus
1395	Article	Ghosh S.; Khandelia T.; Panigrahi P.; Mandal R.; Patel B.K.	Mn(II)-Catalyzed Preferential Electrophilic C3-Maleimidation in Quinoxaline Leading to Spirocyclization and Dehydrogenation of Succinimides	2023	Organic Letters	25	20	3806	3811	5	10.1021/acs.orglett.3c01350	American Chemical Society	15237060		Scopus
1396	Article	Kalita A.; Gurusamy M.; Khatua M.	A Gaming and Trust-Model-Based Countermeasure for DIS Attack on 6TiSCH IoT Networks	2023	IEEE Internet of Things Journal	10	11	9727	9737	10	10.1109/JIOT.2023.3234300	Institute of Electrical and Electronics Engineers Inc.	23274662		Scopus
1397	Article	Bhattacharjya B.R.; Bhaduri S.; Kakoty S.K.	Co-creating community-led frugal innovation: An adapted Quadruple Helix?	2023	Technovation	124					10.1016/j.technovation.2023.102752	Elsevier Ltd	1664972	All Open Access; Green Open Access	Scopus
1398	Review	Cho H.; Mukherjee S.; Kim D.; Noh T.; Lee J.	Facing to wireless network densification in 6G: Challenges and opportunities	2023	ICT Express	9	3	517	524	7	10.1016/j.icte.2022.10.001	Korean Institute of Communications and Information Sciences	24059595	All Open Access; Gold Open Access	Scopus
1399	Article	Bhattacharjee B.; Basak M.; Das G.; Ramesh A.	Quinoxaline-based membrane-targeting therapeutic material: Implications in rejuvenating antibiotic and curb MRSA invasion in an in vitro bone cell infection model	2023	Biomaterials Advances	148					10.1016/j.bioadv.2023.213359	Elsevier Ltd	27729508		Scopus

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1400	Article	Roy T.; Debnath I.; Mahata K.	Tunable Optical Properties and Self-Assemblies of a Water-Soluble Perimidinium Imide Dye	2023	Synlett	35	1	125	129	4	10.1055/a-2138-7080	Georg Thieme Verlag	9365214		Scopus
1401	Article	Maleki B.; Esmaeili H.; Mansouri M.; Kumar D.; Singh B.	Enhanced conversion of dairy waste oil to biodiesel via novel and highly reactive UiO-66-NH2/ZnO/TiO2 nano-catalyst: Optimization, kinetic, thermodynamic and diesel engine studies	2023	Fuel	339					10.1016/j.fuel.2022.126901	Elsevier Ltd	162361		Scopus
1402	Article	Ghosh S.; Sarkar T.; Chatterjee S.; Satpati P.	Bridging Thermodynamics, Antimicrobial Activity, and pH Sensitivity of Cationic Membranolytic Heptapeptides-A Computational and Experimental Study	2023	Journal of Chemical Information and Modeling	63	8	2393	2408	15	10.1021/acs.jcim.2c01419	American Chemical Society	15499596		Scopus
1403	Article	Chandra R.; Bansal C.; Kang M.; Blau T.; Agarwal V.; Singh P.; Wilson L.O.W.; Vasan S.	Unsupervised machine learning framework for discriminating major variants of concern during COVID-19	2023	PLoS ONE	18	#####				10.1371/journal.pone.0285719	Public Library of Science	19326203	All Open Access; Gold Open Access; Green Open Access	Scopus
1404	Article	Parida C.; Dave S.K.; Das K.; Chandra Pan S.	Organocatalytic Asymmetric Dearomatization Reaction for the Construction of Axially Chiral Urazole Embedded Naphthalenones	2023	Advanced Synthesis and Catalysis	365	8	1185	1190	5	10.1002/adsc.202300080	John Wiley and Sons Inc	16154150		Scopus
1405	Article	Savitha E.J.; Sauer R.A.	A new anisotropic bending model for nonlinear shells: Comparison with existing models and isogeometric finite element implementation	2023	International Journal of Solids and Structures	268					10.1016/j.ijsolstr.2023.112169	Elsevier Ltd	207683	All Open Access; Bronze Open Access	Scopus
1406	Article	Hossain M.T.; Jena T.; Debnath S.; Giri P.K.	Defect-induced photogating effect and its modulation in ultrathin free-standing Bi2O2Se nanosheets with a visible-to-near-infrared photoresponse	2023	Journal of Materials Chemistry C	11	20	6670	6684	14	10.1039/d3tc01129a	Royal Society of Chemistry	20507526		Scopus
1407	Article	Tarai U.K.; Pal S.; Robi P.S.	The effect of post-bond solution treatment and double aging on the microstructural evolution and mechanical properties of TLP-bonded IN718 joint	2023	Archives of Civil and Mechanical Engineering	23	2				10.1007/s43452-023-00638-2	Springer Science and Business Media Deutschland GmbH	16449665		Scopus
1408	Article	Das D.; Kakoty S.K.	Effect of lubricant inertia on steady-state characteristics of textured hydrodynamic journal bearing	2023	Industrial Lubrication and Tribology	75	3	333	342	9	10.1108/ILT-09-2022-0289	Emerald Publishing	368792		Scopus
1409	Article	Kumar M.; Kumari P.	P(VDF-TrFE)/ZnO nanocomposite synthesized by electrospinning: effect of ZnO nanofiller on physical, mechanical, thermal, rheological and piezoelectric properties	2023	Polymer Bulletin	80	5	4859	4878	19	10.1007/s00289-022-04275-2	Springer Science and Business Media Deutschland GmbH	1700839		Scopus

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1410	Article	Acharyya R.; Dey A.	Response of Skirted Strip Footing Resting on Layered Granular Soil Using 2-D Plane-Strain Finite Element Modeling	2023	Geotechnical and Geological Engineering	41	3	2185	2200	15	10.1007/s10706-022-02373-6	Springer Science and Business Media Deutschland GmbH	9603182		Scopus
1411	Article	Anilkumar P.; Kumar A.; Pamu D.; Tiwari T.	Design and Thermal Study of 5 MW S-Band Tunable Pulsed Magnetron for Linear Accelerator System	2023	IEEE Transactions on Plasma Science	51	5	1223	1231	8	10.1109/TPS.2023.3264813	Institute of Electrical and Electronics Engineers Inc.	933813		Scopus
1412	Article	Panda S.; Hazra B.	Stochastic dynamics on manifolds based on novel geometry preserving Ito–Taylor scheme	2023	Journal of Sound and Vibration	550					10.1016/j.jsv.2023.117599	Academic Press	0022460X		Scopus
1413	Article	Uniyal A.; Pantig R.C.; Övgün A.	Probing a non-linear electrodynamics black hole with thin accretion disk, shadow, and deflection angle with M87* and Sgr A* from EHT	2023	Physics of the Dark Universe	40					10.1016/j.dark.2023.101178	Elsevier B.V.	22126864	All Open Access; Green Open Access	Scopus
1414	Article	Kechu O.; Som B.	Is task specific control among balanced bilinguals a result of nature of acquisition and language use?	2023	Journal of Cultural Cognitive Science	7	1	23	42	19	10.1007/s41809-022-00114-y	Springer	25201018		Scopus
1415	Article	Wong K.-H.; Lai W.; Ng J.-H.; Fazlizan A.; Sopian K.; Sahoo N.	Open-Loop Subsonic Suction Type Wind Tunnel: Design, Simulation, Build and Test	2023	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	105	2	204	223	19	10.37934/arfmts.105.2.204223	Semarak Ilmu Publishing	22897879	All Open Access; Hybrid Gold Open Access	Scopus
1416	Article	Paul S.; Mukhopadhyay T.K.; Paul S.	In Silico Investigation on the Selective Nanotoxicity of Two-Dimensional Materials to Hen Egg White Lysozyme Protein	2023	ACS Applied Nano Materials	6	8	6504	6517	13	10.1021/acsanm.2c05399	American Chemical Society	25740970		Scopus
1417	Article	Das G.; Das P.J.; Deb S.K.	Seismic retrofit of torsionally coupled RC soft-storey building using short yielding core BRBs	2023	Journal of Building Engineering	65					10.1016/j.jobe.2022.105742	Elsevier Ltd	23527102		Scopus
1418	Article	Bhowmik B.K.; Bhowmik T.; Pandey P.K.; Raju M.S.; Sikdar D.; Kumar G.	All-dielectric metasurface based ultranarrow bandpass filter in optical C-band	2023	Journal of the Optical Society of America B: Optical Physics	40	5	1311	1318	7	10.1364/JOSAB.485439	Optica Publishing Group (formerly OSA)	7403224		Scopus
1419	Article	Vishwakarma V.K.; Roy M.; Singh R.; Shankar Rao D.S.; Paily R.; Ammathnadu Sudhakar A.	Liquid-Crystalline Naphthalene and Perylene Bisimides with a D2-π2-A Architecture for High-Mobility Organic Field-Effect Transistors	2023	ACS Applied Electronic Materials	5	4	2351	2364	13	10.1021/acsaelm.3c00179	American Chemical Society	26376113		Scopus
1420	Article	Mahata S.; Kumar Sinha R.	Nonsmooth data error estimates of the L1 scheme for subdiffusion equations with positive-type memory term	2023	IMA Journal of Numerical Analysis	43	3	1742	1778	36	10.1093/imanum/drac025	Oxford University Press	2724979		Scopus
1421	Article	Ravi R.; Golder A.K.	A tuneable bioinspired process of Pt-doping in TiO2 for improved photoelectrochemical and photocatalytic functionalities	2023	Colloids and Surfaces A: Physicochemical and Engineering Aspects	663					10.1016/j.colsurfa.2023.131034	Elsevier B.V.	9277757		Scopus

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1422	Article	Lv X.-C.; Lu L.; Zuo X.-X.; Achalkumar A.S.; Zhao A.-J.; Bermeshev M.V.; Wang F.-M.; Ngeontae W.; Ren X.-K.	Supramolecular Structure and Photo-Thermo-Electric Property of Hydrogen-Bonded Liquid Crystalline Polymer Containing Poly(4-vinylpyridine) and Cyanostilbene Side Chains	2023	Chemistry - A European Journal	29	20				10.1002/chem.202204060	John Wiley and Sons Inc	9476539		Scopus
1423	Article	Hériveaux Y.; Le Cann S.; Immel K.; Vennat E.; Nguyen V.-H.; Brailovski V.; Karasinski P.; Sauer R.A.; Haïat G.	Debonding of coin-shaped osseointegrated implants: Coupling of experimental and numerical approaches	2023	Journal of the Mechanical Behavior of Biomedical Materials	141					10.1016/j.jmbbm.2023.105787	Elsevier Ltd	17516161	All Open Access; Bronze Open Access; Green Open Access	Scopus
1424	Article	Mohapatra P.P.; Ghosh S.; Jain A.; Aich S.; Dobbidi P.	Rare earth substituted lithium ferrite/carbon black ceramic composites for shielding electromagnetic radiation	2023	Journal of Magnetism and Magnetic Materials	573					10.1016/j.jmmm.2023.170678	Elsevier B.V.	3048853		Scopus
1425	Article	Bhat C.; Kumar A.; Lin S.-C.; Jeng J.-Y.	Design, fabrication, and properties evaluation of novel nested lattice structures	2023	Additive Manufacturing	68					10.1016/j.addma.2023.103510	Elsevier B.V.	22148604		Scopus
1426	Article	Jain S.; Bora S.N.	Oblique water wave scattering by a floating bridge fitted with a rectangular porous structure and the resulting waveload mitigation	2023	Ocean Engineering	275					10.1016/j.oceaneng.2023.114132	Elsevier Ltd	298018		Scopus
1427	Article	Sherpa N.; Bharadwaj A.; Kumar N.; Chauhan A.; Boruah B.R.	Synchronization and clock recovery in a ferroelectric liquid crystal spatial light modulator based free-space optical communication link	2023	Review of Scientific Instruments	94	5				10.1063/5.0138802	American Institute of Physics Inc.	346748		Scopus
1428	Article	Mandal A.; Mandal S.; Verma S.P.; Mallik S.; Bag S.S.; Goswami D.K.	Diffusion-Induced Thickness Thinning of Spin-Coated Films in Crystalline Grain Boundaries: A Process of Amorphization	2023	Advanced Materials Interfaces	10	11				10.1002/admi.202202293	John Wiley and Sons Inc	21967350	All Open Access; Gold Open Access	Scopus
1429	Article	Pal S.; Chattopadhyay A.	Simultaneous Sensing of H2O, D2O and HOD through Peroxo Vibrations	2023	ChemPhysChem	24	8				10.1002/cphc.202200684	John Wiley and Sons Inc	14394235		Scopus
1430	Article	Prusty J.K.; Pradhan B.	Effect of slag on strength, microstructure and rebar corrosion of chloride-rich geopolymer concrete	2023	Magazine of Concrete Research	75	22	1134	1150	16	10.1680/jmacr.22.00247	ICE Publishing	249831		Scopus
1431	Article	Chauhan A.; Boruah B.R.	Study on the orthogonality property of Zernike modes in light beams undergoing free space propagation	2023	Journal of the Optical Society of America A: Optics and Image Science, and Vision	40	5	961	968	7	10.1364/JOSAA.481741	Optica Publishing Group (formerly OSA)	10847529		Scopus
1432	Article	Faraz S.; Yashmin S.; Dilip Marathe M.; Taleb Khan A.	Environmentally benign synthesis of 2,4-diarylquinolines under metal- & solvent-free conditions	2023	Tetrahedron Letters	120					10.1016/j.tetlet.2023.154433	Elsevier Ltd	404039		Scopus
1433	Article	Acharya S.; Kishore N.	Solvothermal co-liquefaction of wastes from Citrus limetta fruit processing	2023	Journal of Chemical Technology and Biotechnology	98	5	1114	1124	10	10.1002/jctb.7316	John Wiley and Sons Ltd	2682575		Scopus

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1434	Article	Mathur J.; Baruah B.; Tiwari P.	Prediction of bio-oil yield during pyrolysis of lignocellulosic biomass using machine learning algorithms	2023	Canadian Journal of Chemical Engineering	101	5	2457	2471	14	10.1002/cjce.24674	John Wiley and Sons Inc	84034		Scopus
1435	Article	Dey M.R.; Patra M.; Mishra P.	Efficient Detection and Localization of DoS Attacks in Heterogeneous Vehicular Networks	2023	IEEE Transactions on Vehicular Technology	72	5	5597	5611	14	10.1109/TVT.2022.3233624	Institute of Electrical and Electronics Engineers Inc.	189545		Scopus
1436	Article	Sarmah P.; Chakraborty S.; Joshi J.C.	Probing LHAASO galactic PeVatrons through gamma-ray and neutrino correspondence	2023	Monthly Notices of the Royal Astronomical Society	521	1	1144	1151	7	10.1093/mnras/stad609	Oxford University Press	358711	All Open Access; Green Open Access	Scopus
1437	Article	Singh A.; Umakanth V.; Tyagi N.; Baghel A.K.; Kumar S.	Comparative study of commercial crystalline solar cells	2023	Results in Optics	11					10.1016/j.rio.2023.100379	Elsevier B.V.	26669501	All Open Access; Gold Open Access	Scopus
1438	Article	Pathan S.; Islam S.S.; Sen Gupta R.; Maity B.; Reddy P.R.; Mandal S.; Anki Reddy K.; Bose S.	Fundamental Understanding of Ultrathin, Highly Stable Self-Assembled Liquid Crystalline Graphene Oxide Membranes Leading to Precise Molecular Sieving through Non-equilibrium Molecular Dynamics	2023	ACS Nano	17	8	7272	7284	12	10.1021/acsnano.2c10300	American Chemical Society	19360851		Scopus
1439	Article	Biswas N.; Banerjee D.; Bhattacharya S.	Realistic walking experience for system-automated virtual reality tour	2023	Multimedia Tools and Applications	82	11	17453	17470	17	10.1007/s11042-022-14035-z	Springer	13807501		Scopus
1440	Article	Saikia A.K.	Synthesis of Heterocyclic Scaffolds via Prins, Oxonium-Ene and Related Cyclization Reactions	2023	Synlett	34	6	507	534	27	10.1055/a-1894-8417	Georg Thieme Verlag	9365214		Scopus
1441	Review	Thakuria D.; Chaliha C.; Dutta P.; Sinha S.; Uzir P.; Singh S.B.; Hazarika S.; Sahoo L.; Kharbikar L.L.; Singh D.	Citrus Huanglongbing (HLB): Diagnostic and management options	2023	Physiological and Molecular Plant Pathology	125					10.1016/j.pmpp.2023.102016	Academic Press	8855765		Scopus
1442	Article	Raut D.S.; Joshi V.A.; Khan S.; Kundu D.	A-Priori screening of deep eutectic solvent for enhanced oil recovery application using COSMO-RS framework	2023	Journal of Molecular Liquids	377					10.1016/j.molliq.2023.121482	Elsevier B.V.	1677322		Scopus
1443	Article	Jalalah M.; Han H.; Mahadani M.; Nayak A.K.; Harraz F.A.	Novel interconnected hierarchical porous carbon derived from biomass for enhanced supercapacitor application	2023	Journal of Electroanalytical Chemistry	935					10.1016/j.jelechem.2023.117355	Elsevier B.V.	15726657		Scopus
1444	Article	Mukherji A.; Kancharla P.K.	Cl---H-N Interaction Assisted Addition of Sulfonamides to Enol Ethers: Synthesis of 2-Deoxy and 2,6-Dideoxy Sulfonamido Glycosides	2023	Synlett	34	6	657	662	5	10.1055/a-1892-4608	Georg Thieme Verlag	9365214		Scopus
1445	Review	Dam B.; Das B.; Patel B.K.	Graphitic carbon nitride materials in dual metallo-photocatalysis: a promising concept in organic synthesis	2023	Green Chemistry	25	9	3374	3397	23	10.1039/d3gc00669g	Royal Society of Chemistry	14639262		Scopus

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1446	Article	Khan A.; Ibrar I.; Mirdad A.; Al-Juboori R.A.; Deka P.; Subbiah S.; Altaee A.	Novel Approach to Landfill Wastewater Treatment Fouling Mitigation: Air Gap Membrane Distillation with Tin Sulfide-Coated PTFE Membrane	2023	Membranes	13	5				10.3390/membranes13050483	MDPI	20770375	All Open Access; Gold Open Access; Green Open Access	Scopus
1447	Article	Chowdhuri S.; Das S.; Kushwaha R.; Das T.; Das B.K.; Das D.	Cumulative Effect of pH and Redox Triggers on Highly Adaptive Transient Coacervates	2023	Chemistry - A European Journal	29	24				10.1002/chem.202203820	John Wiley and Sons Inc	9476539		Scopus
1448	Review	Kumar P.; Tiwari R.	A review: multiplicative faults and model-based condition monitoring strategies for fault diagnosis in rotary machines	2023	Journal of the Brazilian Society of Mechanical Sciences and Engineering	45	5				10.1007/s40430-023-04203-z	Springer Science and Business Media Deutschland GmbH	16785878		Scopus
1449	Article	Manjuri Bhuyan P.; Borah S.; Kumar Bhuyan B.; Hazarika S.; Gogoi N.; Gogoi A.; Gogoi P.	Fe3S4/biochar catalysed heterogeneous Fenton oxidation of organic contaminants: Hydrogen peroxide activation and biochar enhanced reduction of Fe (III) to Fe (II)	2023	Separation and Purification Technology	312					10.1016/j.seppur.2023.123387	Elsevier B.V.	13835866		Scopus
1450	Article	Patra S.; Golder A.K.; Uppaluri R.V.S.	Ultrasensitive colorimetric detection and determination of Hg(II) using bioinspired AgNPs synthesized from mature Camellia sinensis leaves	2023	Results in Optics	11					10.1016/j.rio.2023.100411	Elsevier B.V.	26669501	All Open Access; Gold Open Access	Scopus
1451	Article	Kumar A.; Singh L.; Bag A.	Tailoring of structural and optical properties of electrosprayed β -Ga2O3 nanostructures via self-assembly	2023	Optical and Quantum Electronics	55	5				10.1007/s11082-023-04707-x	Springer	3068919	All Open Access; Green Open Access	Scopus
1452	Article	Sinha G.S.; Kumar Mishra N.; Muthukumar P.; Sharma M.	Thermal performance and emission analysis of self-aspirated kerosene pressure stove with porous radiant burner using kerosene nanofuels	2023	International Journal of Environmental Science and Technology	20	5	4851	4860	9	10.1007/s13762-022-04179-8	Institute for Ionics	17351472		Scopus

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1453	Article	Abud A.A.; Abi B.; Acciarri R.; Acero M.A.; Adames M.R.; Adamov G.; Adamowski M.; Adams D.; Adinolfi M.; Adriano C.; Aduszkiewicz A.; Aguilar J.; Ahmad Z.; Ahmed J.; Aimard B.; Akbar F.; Allison K.; Monsalve S.A.; Alrashed M.; Alt C.; Alton A.; Alvarez R.; Amedo P.; Anderson J.; Andrade D.A.; Andreopoulos C.; Andreotti M.; Andrews M.P.; Andrianala F.; Andringa S.; Anfimov N.; Anic��zio Campanelli W.L.; Ankowski A.; Antoniassi M.; Antonova M.; Antoshkin A.; Antusch S.; Aranda-Fernandez A.; Arellano L.; Arnold L.O.; Arroyave M.A.; Asaadi J.; Asquith L.; Aurisano A.; Aushev V.; Autiero D.; Ayala-Torres M.; Azfar F.; Back A.; Back H.; Back J.J.; Bagaturia I.; Bagby L.; Balashov N.; Balasubramanian S.; Baldi P.; Baller B.; Bambah B.; Barao F.; Barenboim G.; Barker G.J.; Barkhouse W.; Barnes C.; Barr G.; Monarca J.B.; Barros A.; Barros N.; Barrow J.L.; Basharina-Freshville A.; Bashyal A.; Basque V.; Batchelor C.; Battat J.B.R.; Battisti F.; Bay F.; Bazetto M.C.Q.; Alba J.L.L.B.; Beacom J.F.; Bechetoille E.; Behera B.; Belchior E.; Bellantoni L.; Bellettini G.; Bellini V.; Beltramello O.; Benekos N.;	Identification and reconstruction of low-energy electrons in the ProtoDUNE-SP detector	2023	Physical Review D	107	9					10.1103/PhysRevD.107.092012	American Physical Society	24700010		Scopus
1454	Review	Kunnumakkara A.B.; Hegde M.; Parama D.; Girisa S.; Kumar A.; Daimary U.D.; Garodia P.; Yenisetti S.C.; Oommen O.V.; Aggarwal B.B.	Role of Turmeric and Curcumin in Prevention and Treatment of Chronic Diseases: Lessons Learned from Clinical Trials	2023	ACS Pharmacology and Translational Science	6	4	447	518	71	10.1021/acsptsci.2c00012	American Chemical Society	25759108	All Open Access; Green Open Access	Scopus	
1455	Article	Abiala M.; Sadhukhan A.; Sahoo L.	Isolation and Characterization of Stress-Tolerant Priestia Species from Cowpea Rhizosphere Under Drought and Nutrient Deficit Conditions	2023	Current Microbiology	80	5				10.1007/s00284-023-03246-8	Springer	3438651		Scopus	
1456	Article	Majumdar A.; Dutta P.; Kang Y.; Karim G.M.; Sikdar A.; Deb S.K.; Kim S.O.; Maiti U.N.	Energy-efficient ultrafast microwave crystalline phase evolution for designing highly efficient oxygen evolution catalysts	2023	Applied Surface Science	617					10.1016/j.apsusc.2023.156622	Elsevier B.V.	1694332		Scopus	
1457	Article	Gupta S.; De M.	Enhanced Electro-Oxidation of Ethylene Glycol over Cu/C Catalysts Using Different Forms of Carbon	2023	Journal of the Electrochemical Society	170	4				10.1149/1945-7111/acc7d0	Institute of Physics	134651		Scopus	
1458	Article	Pandey S.K.; Shekhawat H.S.; Prasanna S.R.M.	Multi-cultural speech emotion recognition using language and speaker cues	2023	Biomedical Signal Processing and Control	83					10.1016/j.bspc.2023.104679	Elsevier Ltd	17468094		Scopus	

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1459	Article	Dhara S.; Samanta N.S.; Uppaluri R.; Purkait M.K.	High-purity alkaline lignin extraction from Saccharum ravannae and optimization of lignin recovery through response surface methodology	2023	International Journal of Biological Macromolecules	234					10.1016/j.ijbiomac.2023.123594	Elsevier B.V.	1418130		Scopus
1460	Review	Borah B.; Kaushik H.B.; Singhal V.	Analysis and Design of Confined Masonry Structures: Review and Future Research Directions	2023	Buildings	13	5				10.3390/buildings13051282	MDPI	20755309	All Open Access; Gold Open Access	Scopus
1461	Article	Behera P.K.; Yadav K.; Kumar N.; Gupta R.K.; Rao D.S.S.; Pandey U.K.; Achalkumar A.S.	First example of ambipolar naphthalene diimide exhibiting a room temperature columnar phase	2023	Chemical Communications	59	40	6028	6031	3	10.1039/d3cc00321c	Royal Society of Chemistry	13597345		Scopus
1462	Article	Singh M.; Tiwari R.	Design Optimization of Angular Contact Ball Bearing Using Genetic Algorithm and Grid Search Method	2023	Journal of Tribology	145	5				10.1115/1.4056352	American Society of Mechanical Engineers (ASME)	7424787		Scopus
1463	Article	Kumar A.; Choudhary R.; Kumar A.	Characterization of Storage Stability of EPDM Rubberized Asphalt with Tire Pyrolytic Oil and Sulfur	2023	Journal of Materials in Civil Engineering	35	5				10.1061/(ASCE)MT.1943-5533.0004716	American Society of Civil Engineers (ASCE)	8991561		Scopus
1464	Article	Prasad A.; Bhasney S.M.; Prasannavenkadesan V.; Sankar M.R.; Katiyar V.	Polylactic acid reinforced with nano-hydroxyapatite bioabsorbable cortical screws for bone fracture treatment	2023	Journal of Polymer Research	30	5				10.1007/s10965-023-03542-8	Springer Science and Business Media B.V.	10229760		Scopus
1465	Article	Sarkar S.K.; Mishra T.; Muruganandam P.; Mishra P.K.	Quench-induced chaotic dynamics of Anderson-localized interacting Bose-Einstein condensates in one dimension	2023	Physical Review A	107	5				10.1103/PhysRevA.107.053320	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
1466	Article	Kunthara R.G.; Josna V.R.; Neethu K.; James R.K.; Jose J.	Modelling and Impact Analysis of Antipode Attack in Bufferless On-Chip Networks	2023	SN Computer Science	4	3				10.1007/s42979-022-01622-y	Springer	2662995X		Scopus
1467	Article	Biswas N.; Sharma R.; Sardar B.; Srimani D.	Acridine-Based SNS-Ruthenium Pincer Complex-Catalyzed Borrowing Hydrogen-Mediated C-C Alkylation Reaction: Application to the Guerbet Reaction	2023	Synlett	34	6	622	628	6	10.1055/a-1874-2406	Georg Thieme Verlag	9365214		Scopus
1468	Article	Manojkumar R.; Kumar C.; Ganguly S.; Gooi H.B.; Mekhilef S.; Catalao J.P.S.	Rule-Based Peak Shaving Using Master-Slave Level Optimization in a Diesel Generator Supplied Microgrid	2023	IEEE Transactions on Power Systems	38	3	2177	2188	11	10.1109/TPWRS.2022.3187069	Institute of Electrical and Electronics Engineers Inc.	8858950		Scopus
1469	Article	Paul T.; Saikia P.P.; Borah D.; Mahanta N.; Baruah A.; Borah J.M.; Saikia B.J.; Raidongia K.; Gogoi R.K.; Gogoi R.	Ni(OH)2 nanoparticles as a recyclable catalyst in acceptorless dehydrogenation of alcohols to acids/acid salts under aerobic conditions	2023	ChemistrySelect	8	13				10.1002/slct.202204713	John Wiley and Sons Inc	23656549		Scopus
1470	Article	Aye T.N.; Kawaura Y.; Kumar R.; Ohashi F.; Jha H.S.; Kume T.	Synthesis and optical properties of Ge clathrate films with and without Al doping	2023	Japanese Journal of Applied Physics	62	SD				10.35848/1347-4065/acade8	Institute of Physics	214922		Scopus

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1471	Article	Kumar C.; Kashyap S.	On the Power Transfer Efficiency and Feasibility of Wireless Energy Transfer Using Double IRS	2023	IEEE Transactions on Vehicular Technology	72	5	6165	6180	15	10.1109/TVT.2022.3231636	Institute of Electrical and Electronics Engineers Inc.	189545		Scopus
1472	Article	Gandhi I.S.R.; Boddepalli U.; Bisht R.; Wagh C.	Impact of Addition of Fly Ash (as Sand Replacement) and Polypropylene Fibers on Energy Absorption Characteristics of Foam Concrete	2023	Advances in Civil Engineering Materials	12	1	127	144	17	10.1520/ACEM20220131	ASTM International	23791357		Scopus
1473	Article	Chakraborty B.; Nath S.; Deb S.; Baruah A.; Paul M.; Dutta S.S.; Barbhuiya M.A.	Analytical and Clinical Performance of Two Point of Care Rapid Antibody Assays for SARS-CoV-2	2023	Annals of Clinical and Laboratory Science	53	3	353	359	6		Association of Clinical Scientists	917370		Scopus
1474	Article	Verma S.; Ravi S.	Analysis of negative magnetization and dielectric studies in holmium substituted samarium iron garnet	2023	Solid State Sciences	139					10.1016/j.solidstatesciences.2023.107189	Elsevier Masson s.r.l.	12932558		Scopus
1475	Article	Prabhakararao E.; Dandapat S.	Congestive Heart Failure Detection from ECG Signals Using Deep Residual Neural Network	2023	IEEE Transactions on Systems, Man, and Cybernetics: Systems	53	5	3008	3018	10	10.1109/TSMC.2022.3221843	Institute of Electrical and Electronics Engineers Inc.	21682216		Scopus
1476	Article	Rajendran P.; SathishKannan R.; Karpagalakshmi K.; Piramuthu L.; Nagarajan E.R.; Subbiah S.; Yang C.; Selvapalam N.	Fluorescence Sensor for Water in Organic Solvent Using Graphene Oxide- Rhodamine B and Cucurbit[7]uril	2023	Journal of Fluorescence	33	3	911	921	10	10.1007/s10895-022-03113-y	Springer	10530509		Scopus
1477	Article	Ahmed G.; Kishore N.	Separation and extensive evaluation of properties of fuel and non-fuel portions of pyrolytic bio-oil obtained from Erythrina indica biomass	2023	Journal of Renewable and Sustainable Energy	15	3				10.1063/5.0146201	American Institute of Physics Inc.	19417012		Scopus
1478	Article	Jawed A.; Golder A.K.; Pandey L.M.	Synthesis of iron oxide nanoparticles mediated by Camellia sinensis var. Assamica for Cr(VI) adsorption and detoxification	2023	Bioresource Technology	376					10.1016/j.biortech.2023.128816	Elsevier Ltd	9608524		Scopus
1479	Article	Kakku S.; Naidu S.; Bhatt M.; Chakinala A.G.; Joshi J.; Gautam S.; Mohanty K.; Kataria G.; Sharma A.	Pyrolytic conversion of agricultural residue using continuous auger reactor for resource recovery	2023	Journal of Analytical and Applied Pyrolysis	171					10.1016/j.jaap.2023.105951	Elsevier B.V.	1652370		Scopus
1480	Article	Negi D.; Shyam R.; Shekhawat K.; Pandey S.; Dobbidi P.; Vashishtha P.; Gupta G.; Devi D.; Singh F.; Nelamarri S.R.	Cobalt ion implantation assisted modifications in luminescence, surface states, structural and morphological properties of MgTiO3 thin films	2023	Applied Physics A: Materials Science and Processing	129	5				10.1007/s00339-023-06653-7	Springer Science and Business Media Deutschland GmbH	9478396		Scopus
1481	Article	Senapati A.; Chetri B.K.; Mitra S.; Shelke R.G.; Rangan L.	Decoding the complete chloroplast genome of Cissus quadrangularis: insights into molecular structure, comparative genome analysis and mining of mutational hotspot regions	2023	Physiology and Molecular Biology of Plants	29	5	709	724	15	10.1007/s12298-023-01312-w	Springer	9715894	All Open Access; Green Open Access	Scopus

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1482	Article	Bania N.; Barman D.; Pan S.C.	Organocatalytic Asymmetric Oxa-Michael-Michael Reaction of 3-Aryl-2-Nitroprop-2-Enols with Unsaturated Pyrazolones: Synthesis of Spirotetrahydropyranopyrazolones	2023	Synlett	34	6	663	666	3	10.1055/a-1938-1243	Georg Thieme Verlag	9365214		Scopus
1483	Article	Baruah K.N.; Singha S.; Uppaluri R.V.	Preparation of Potato Starch Nanoparticles Using Acid Hydrolysis and Ultrasonic Post-treatment	2023	ACS Food Science and Technology	3	4	626	634	8	10.1021/acsfoodscitech.2c00369	American Chemical Society	26921944		Scopus
1484	Article	Paul B.; Yadav T.K.; Singh B.; Krishnaswamy S.; Trivedi G.	A Resource Efficient Software-Hardware Co-Design of Lattice-Based Homomorphic Encryption Scheme on the FPGA	2023	IEEE Transactions on Computers	72	5	1247	1260	13	10.1109/TC.2022.3198628	IEEE Computer Society	189340		Scopus
1485	Article	Gupta N.K.; Yadav R.S.; Nagaria R.K.; Gupta D.; Tripathi A.M.; Pandey O.J.	Anchor-based void detouring routing protocol in three dimensional IoT networks	2023	Computer Networks	227					10.1016/j.comnet.2023.109691	Elsevier B.V.	13891286		Scopus
1486	Article	Bhattacharyya D.; Senapati S.K.; Das A.	Concise Synthesis of N -Aryl Tetrahydroquinolines via a One-Pot Sequential Reduction of Quinoline/Chan-Evans-Lam Coupling Reaction	2023	Synlett	34	6	651	656	5	10.1055/s-0042-1751358	Georg Thieme Verlag	9365214		Scopus
1487	Article	Bordoloi S.; Ganesan S.P.; Garg A.; Sahoo L.; Sekharan S.	Investigating soil tipping suction in Axonopus compressus grown in poorly graded sand using a novel framework	2023	Acta Geotechnica	18	5	2847	2860	13	10.1007/s11440-022-01662-x	Springer Science and Business Media Deutschland GmbH	18611125		Scopus
1488	Article	Khan M.R.U.Z.; Yanase E.; Trivedi V.	Extraction, phytochemical characterization and anti-cancer mechanism of Haritaki churna: An ayurvedic formulation	2023	PLoS ONE	18	#####				10.1371/journal.pone.0286274	Public Library of Science	19326203	All Open Access; Gold Open Access; Green Open Access	Scopus
1489	Article	Baite T.N.; Purkait M.K.; Mandal B.	Synthesis of lignin from waste leaves and its potential application for bread packaging: A waste valorization approach	2023	International Journal of Biological Macromolecules	235					10.1016/j.ijbiomac.2023.123880	Elsevier B.V.	1418130		Scopus
1490	Article	Singh P.; Venkata Mohan S.; Mohanty K.	Dairy wastewater treatment using Monoraphidium sp. KMC4 and its potential as hydrothermal liquefaction feedstock	2023	Bioresource Technology	376					10.1016/j.biortech.2023.128877	Elsevier Ltd	9608524		Scopus
1491	Article	Choudhry N.K.; Panda B.; Kumar S.	Enhanced energy absorption performance of 3D printed 2D auxetic lattices	2023	Thin-Walled Structures	186					10.1016/j.tws.2023.110650	Elsevier Ltd	2638231	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus

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1492	Article	Katare A.; Borgohain R.; Prasad B.; Mandal B.	A Strategical Improvement in the Performance of CO2/N2 Gas Permeation via Conjugation of L-Tyrosine onto Chitosan Membrane	2023	Membranes	13	5				10.3390/membranes13050487	MDPI	20770375	All Open Access; Gold Open Access; Green Open Access	Scopus
1493	Article	Choudhary S.A.; Patra D.; Sinha A.; Mazumder S.; Pant R.; Chouhan R.; Jha A.N.; Prusty B.M.; Manna D.; Das S.K.; Tikoo K.; Pal D.; Dasgupta S.	A small molecule potent IRAK4 inhibitor abrogates lipopolysaccharide-induced macrophage inflammation in-vitro and in-vivo	2023	European Journal of Pharmacology	944					10.1016/j.ejphar.2023.175593	Elsevier B.V.	142999		Scopus
1494	Article	Kalimullah N.M.M.; Shukla K.; Shelke A.; Habib A.	Stiffness tensor estimation of anisotropic crystal using point contact method and unscented Kalman filter	2023	Ultrasonics	131					10.1016/j.ultras.2023.106939	Elsevier B.V.	0041624X	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1495	Article	Barman B.; Borah D.; Das S.J.; Roshan R.	Gravitational wave signatures of a PBH-generated baryon-dark matter coincidence	2023	Physical Review D	107	9				10.1103/PhysRevD.107.095002	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1496	Article	Das N.K.; Santra S.; Naik P.K.; Vasa M.S.; Raj R.; Bose S.; Banerjee T.	Evaluation of Thermophysical Properties and Thermal Performance of Amine-Functionalized Graphene Oxide/Deep Eutectic Solvent Nanofluids as Heat-Transfer Media for Desalination Systems	2023	ACS Sustainable Chemistry and Engineering	11	14	5376	5389	13	10.1021/acssuschemeng.2c06325	American Chemical Society	21680485		Scopus
1497	Article	Borah D.; Das S.J.; Okada N.	Affleck-Dine cogenesis of baryon and dark matter	2023	Journal of High Energy Physics	2023	5				10.1007/JHEP05(2023)004	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
1498	Article	Kulkarni R.	Phase-shifting interferometry based on dynamic mode decomposition	2023	Applied Optics	62	12	3197	3201	4	10.1364/AO.488418	Optica Publishing Group (formerly OSA)	1559128X		Scopus
1499	Article	Arora S.; Patel H.K.; Lade A.D.; Kumar B.	Turbulence structure and bank erosion process in a dredged channel	2023	River Research and Applications	39	4	613	628	15	10.1002/rra.4100	John Wiley and Sons Ltd	15351459		Scopus

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1500	Article	Borah R.; Maji D.; Ravi S.	Evidence of cluster glass phase, exchange bias, reversible magnetocaloric effect and study of electrical properties in Ni1–xCd xCr2O4 (x = 0–0.30) spinel	2023	Applied Physics A: Materials Science and Processing	129	4				10.1007/s00339-023-06518-z	Springer Science and Business Media Deutschland GmbH	9478396		Scopus
1501	Erratum	Ebihara A.; Sugihara D.; Matsuyama M.; Suzuki-Nakagawa C.; Nabi A.H.M.N.; Nakagawa T.; Nishiyama A.; Suzuki F.	Publisher Correction: Mapping the protein binding site of the (pro)renin receptor using in silico 3D structural analysis (Hypertension Research, (2023), 46, 4, (959-971), 10.1038/s41440-022-01094-w)	2023	Hypertension Research	46	4	1067	1068	1	10.1038/s41440-022-01139-0	Springer Nature	9169636	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1502	Article	Ghosh M.K.; Golui S.; Pal C.; Pradhan S.	Discrete-time zero-sum games for Markov chains with risk-sensitive average cost criterion	2023	Stochastic Processes and their Applications	158		40	74	34	10.1016/j.spa.2022.12.009	Elsevier B.V.	3044149	All Open Access; Green Open Access	Scopus
1503	Article	Terao T.; Kanae S.; Fujinami H.; Das S.; Dimri A.P.; Dutta S.; Fujita K.; Fukushima A.; Ha K.-J.; Hirose M.; Hong J.; Kamimera H.; Kayastha R.B.; Kiguchi M.; Kikuchi K.; Kim H.M.; Kitoh A.; Kubota H.; Ma W.; Ma Y.; Mujumdar M.; Nodzu M.I.; Sato T.; Su Z.; Sugimoto S.; Takahashi H.G.; Takaya Y.; Wang S.; Yang K.; Yokoi S.; van Oevelen P.; Matsumoto J.	AsiaPEX: Challenges and Prospects in Asian Precipitation Research	2023	Bulletin of the American Meteorological Society	104	4	E884	E908	24	10.1175/BAMS-D-20-0220.1	American Meteorological Society	30007	All Open Access; Bronze Open Access	Scopus
1504	Article	Ebihara A.; Sugihara D.; Matsuyama M.; Suzuki-Nakagawa C.; Nabi A.H.M.N.; Nakagawa T.; Nishiyama A.; Suzuki F.	Mapping the protein binding site of the (pro)renin receptor using in silico 3D structural analysis	2023	Hypertension Research	46	4	959	971	12	10.1038/s41440-022-01094-w	Springer Nature	9169636	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1505	Article	Pathak S.; Choudhary R.; Kumar A.; Kumar B.	Mechanical Properties of Open-Graded Asphalt Friction Course Mixtures with Basic Oxygen Furnace Steel Slag as Coarse Aggregates	2023	Journal of Materials in Civil Engineering	35	4				10.1061/(ASCE)MT.1943-5533.0004696	American Society of Civil Engineers (ASCE)	8991561		Scopus

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1506	Article	Abed Abud A.; Abi B.; Acciarri R.; Acero M.A.; Adames M.R.; Adamov G.; Adamowski M.; Adams D.; Adinolfi M.; Adriano C.; Aduszkiewicz A.; Aguilar J.; Ahmad Z.; Ahmed J.; Aimard B.; Akbar F.; Allison K.; Alonso Monsalve S.; Alrashed M.; Alt C.; Alton A.; Alvarez R.; Amedo P.; Anderson J.; Andrade D.A.; Andreopoulos C.; Andreotti M.; Andrews M.P.; Andrianala F.; Andringa S.; Anfimov N.; Anic��zio Campanelli W.L.; Ankowski A.; Antoniassi M.; Antonova M.; Antoshkin A.; Antusch S.; Aranda-Fernandez A.; Arellano L.; Arnold L.O.; Arroyave M.A.; Asaadi J.; Ashkenazi A.; Asquith L.; Aurisano A.; Aushev V.; Autiero D.; Ayala-Torres M.; Azfar F.; Back A.; Back H.; Back J.J.; Bagaturia I.; Bagby L.; Balashov N.; Balasubramanian S.; Baldi P.; Baldini W.; Baller B.; Bambah B.; Barao F.; Barenboim G.; Barham Alz��s P.; Barker G.J.; Barkhouse W.; Barnes C.; Barr G.; Barranco Monarca J.; Barros A.; Barros N.; Barrow J.L.; Basharina-Freshville A.; Bashyal A.; Basque V.; Batchelor C.; Battat J.B.R.; Battisti F.; Bay F.; Bazetto M.C.Q.; Bazo Alba J.L.L.; Beacom J.F.; Bechetoille E.; Behera B.;	Highly-parallelized simulation of a pixelated LArTPC on a GPU	2023	Journal of Instrumentation	18	4				10.1088/1748-0221/18/04/P04034	Institute of Physics	17480221		Scopus
1507	Review	Divya; Ghosh Dastidar M.; Mahapatra S.; Kumari R.; Dkhar D.S.; Roy S.; Chandra P.	Engineered nanomaterial based implantable MicroNanoelectrode for in vivo Analysis: Technological advancement and commercial aspects	2023	Microchemical Journal	187					10.1016/j.microc.2023.108431	Elsevier Inc.	0026265X		Scopus
1508	Article	Nandi P.; Adda R.	An Active Power Decoupling-Integrated Reduced-Switch Current-Fed Switched Inverter	2023	IEEE Journal of Emerging and Selected Topics in Power Electronics	11	2	1929	1942	13	10.1109/JESTPE.2022.3214734	Institute of Electrical and Electronics Engineers Inc.	21686777		Scopus
1509	Review	Mitra S.; Basak M.	Recent trends in non-reactive light driven Micro/-nano propellers and rotors	2023	Applied Materials Today	31					10.1016/j.apmt.2023.101748	Elsevier Ltd	23529407		Scopus
1510	Article	Das S.; Joshi S.N.	Review of the Causes of Wire Breakage and Its Mitigation During the Wire Electric Discharge Machining Process	2023	Journal of Manufacturing Science and Engineering	145	2				10.1115/1.4056145	American Society of Mechanical Engineers (ASME)	10871357		Scopus
1511	Article	Banerjee P.; Mishra S.; Yadav N.; Agarwal K.; Melands�� F.; Prasad D.K.; Habib A.	Image inpainting in acoustic microscopy	2023	AIP Advances	13	4				10.1063/5.0139034	American Institute of Physics Inc.	21583226	All Open Access; Gold Open Access	Scopus
1512	Article	Ramalingam A.; Banerjee T.; Santhi V.M.; Mishra D.K.; Reji D.J.P.M.; Nagaraj S.	Investigation of molecular interaction, performance of green solvent in esterification of ethanol and acetic acid at 298.15 K and at 1 atm	2023	Asia-Pacific Journal of Chemical Engineering	18	2				10.1002/apj.2875	John Wiley and Sons Ltd	19322135		Scopus

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1513	Article	Vijith Kumar K.P.; Rai B.K.; Jacob T.	Towards the Optimal Rate Memory Tradeoff in Caching With Coded Placement	2023	IEEE Transactions on Information Theory	69	4	2093	2112	19	10.1109/TIT.2022.3164055	Institute of Electrical and Electronics Engineers Inc.	189448		Scopus
1514	Article	Pan S.; Chakrabarty S.P.; Raha S.	Progression, detection and remission: evolution of chronic myeloid leukemia using a three-stage probabilistic model	2023	Journal of Applied Mathematics and Computing	69	2	1541	1558	17	10.1007/s12190-022-01808-w	Institute for Ionics	15985865	All Open Access; Green Open Access	Scopus
1515	Article	Baruah T.; Barua A.; Vij S.	Hydropolitics intertwined with geopolitics in the Brahmaputra River Basin	2023	Wiley Interdisciplinary Reviews: Water	10	2				10.1002/wat2.1626	John Wiley and Sons Inc	20491948	All Open Access; Hybrid Gold Open Access	Scopus
1516	Article	Pradhan G.; Dutta J.; Deka B.	Virtual element methods for weakly damped wave equations on polygonal meshes	2023	Computational and Applied Mathematics	42	3				10.1007/s40314-023-02252-7	Springer Nature	22383603		Scopus
1517	Article	Abbas G.; Singh V.; Singh N.; Sain R.	Flavour bounds on the flavon of a minimal and a non-minimal Z2× ZN symmetry	2023	European Physical Journal C	83	4				10.1140/epjc/s10052-023-11471-5	Institute for Ionics	14346044	All Open Access; Gold Open Access; Green Open Access	Scopus
1518	Article	Bhowmik M.; Naik B.K.; Muthukumar P.; Anandalakshmi R.	Performance assessment and optimization of liquid desiccant dehumidifier system using intelligent models and integration with solar dryer	2023	Journal of Building Engineering	64					10.1016/j.jobe.2022.105577	Elsevier Ltd	23527102	All Open Access; Bronze Open Access	Scopus
1519	Article	Jahedi S.; Lahiri J.	Probing anomalous ZZγ and Zγγ couplings at the e + e – colliders using optimal observable technique	2023	Journal of High Energy Physics	2023	4				10.1007/JHEP04(2023)085	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
1520	Article	Hazarika J.; Talukdar A.; Rajaraman P.V.	Effect of oxalic acid (complexing agent) on anodic dissolution of Cobalt in hydrogen peroxide solutions: mechanism and kinetic analysis by electrochemical impedance spectroscopy	2023	Journal of Solid State Electrochemistry	27	4	895	909	14	10.1007/s10008-023-05379-z	Springer Science and Business Media Deutschland GmbH	14328488		Scopus
1521	Article	Basak A.; Gavande P.V.; Murmu N.; Ghosh S.	Optimization and biochemical characterization of a thermotolerant processive cellulase, PtCel1, of Parageobacillus thermoglucosidasius NBCB1	2023	Journal of Basic Microbiology	63	#####	326	339	13	10.1002/jobm.202200394	John Wiley and Sons Inc	0233111X		Scopus
1522	Article	Shyam R.; Negi D.; Shekhawat K.; Singh F.; Devi D.; Vashishtha P.; Gupta G.; Pandey S.; Dobbidi P.; Rao Nelamarri S.	Tailoring of physical properties of (K,Na)NbO3 thin films using lithium ion implantation	2023	Results in Physics	47					10.1016/j.rinp.2023.106330	Elsevier B.V.	22113797	All Open Access; Gold Open Access	Scopus

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1523	Article	Mohanty S.S.; Mohanty K.	Production of a wide spectrum biopesticide from Monoraphidium sp. KMC4 grown in simulated dairy wastewater	2023	Bioresource Technology	374					10.1016/j.biortech.2023.128815	Elsevier Ltd	9608524		Scopus
1524	Article	Kausik N.H.; Hussain D.	The Impact of Inclusive Education on Academic Motivation, Academic Self-Efficacy, and Well-Being of Students With Learning Disability	2023	Journal of Education	203	2	251	257	6	10.1177/00220574211031957	SAGE Publications Ltd	220574		Scopus
1525	Article	Sanyal S.; Mukhopadhyay S.; Xhafa F.	Enhanced incentive schemes for volunteers to distribute surplus food in smart cities	2023	Sustainable Cities and Society	91					10.1016/j.scs.2023.104409	Elsevier Ltd	22106707	All Open Access; Green Open Access	Scopus
1526	Article	Kumar A.K.; Jain S.; Jain S.; Ritam M.; Xia Y.; Chandra R.	Physics-informed neural entangled-ladder network for inhalation impedance of the respiratory system	2023	Computer Methods and Programs in Biomedicine	231					10.1016/j.cmpb.2023.107421	Elsevier Ireland Ltd	1692607		Scopus
1527	Article	Biswas A.; Nandi S.; Patra S.K.; Ray I.	Study of the $b \rightarrow d\ell\ell$ transitions in the Standard Model and test of New Physics sensitivities	2023	Journal of High Energy Physics	2023	3				10.1007/JHEP03(2023)247	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access; Green Open Access	Scopus
1528	Article	Gogoi K.; Pal S.; Chattopadhyay A.	Molecule-Assembled Plasmonic Gold Nanoparticle Network for Piezophototronic and Human Activity Detections	2023	Advanced Engineering Materials	25	8				10.1002/adem.202201469	John Wiley and Sons Inc	14381656		Scopus
1529	Article	Sharma A.; Ranjit R.; Pratibha; Kumar N.; Kumar M.; Giri B.S.	Nanoparticles based nanosensors: Principles and their applications in active packaging for food quality and safety detection	2023	Biochemical Engineering Journal	193					10.1016/j.bej.2023.108861	Elsevier B.V.	1369703X		Scopus
1530	Article	Tamang S.; Kipgen N.	‘Land’ as a site of contestation: Empire, identity, and belonging in the Darjeeling Himalayas	2023	Ethnicities	23	2	213	234	21	10.1177/14687968221101400	SAGE Publications Ltd	14687968		Scopus
1531	Article	Ghose A.; Gupta D.; Nuzelu V.; Rangan L.; Mitra S.	Optimization of laccase enzyme extraction from spent mushroom waste of Pleurotus florida through ANN-PSO modeling: An ecofriendly and economical approach	2023	Environmental Research	222					10.1016/j.envres.2023.115345	Academic Press Inc.	139351		Scopus
1532	Article	Shankar M.; Bora S.N.	Generalized Ulam–Hyers–Rassias Stability of Solution for the Caputo Fractional Non-instantaneous Impulsive Integro-differential Equation and Its Application to Fractional RLC Circuit	2023	Circuits, Systems, and Signal Processing	42	4	1959	1983	24	10.1007/s00034-022-02217-x	Birkhauser	0278081X		Scopus

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1533	Article	Kumar A.; Choudhary R.; Kumar A.	Storage stability performance of composite modified asphalt with scrap non-tire automotive rubber, waste plastic pyrolytic oil and sulfur	2023	PLoS ONE	18	#####				10.1371/journal.pone.0284473	Public Library of Science	19326203	All Open Access; Gold Open Access; Green Open Access	Scopus
1534	Article	Sahu A.; Prem Prasad M.G.	Non-homogeneous p-Laplacian equations on the Sierpinski gasket	2023	Mathematical Methods in the Applied Sciences	46	6	6545	6557	12	10.1002/mma.8923	John Wiley and Sons Ltd	1704214	All Open Access; Green Open Access	Scopus
1535	Article	Negewo T.F.; Sarma A.K.	Sustainable and Cost-Effective Management of Degraded Sub-Watersheds using Ecological Management Practices (EMPs) for Genale Basin, Ethiopia	2023	Journal of Hydrology	619					10.1016/j.jhydrol.2023.129289	Elsevier B.V.	221694		Scopus
1536	Article	Manjunatha Y.; Sharma V.; Iwahori Y.; Bhuyan M.K.; Wang A.; Ouchi A.; Shimizu Y.	Lymph node detection in CT scans using modified U-Net with residual learning and 3D deep network	2023	International Journal of Computer Assisted Radiology and Surgery	18	4	723	732	9	10.1007/s11548-022-02822-w	Springer Science and Business Media Deutschland GmbH	18616410		Scopus
1537	Review	Kalita H.; Patowary M.	Biocompatible Polymer Nano-Constructs: A Potent Platform for Cancer Theranostics	2023	Technology in Cancer Research and Treatment	22					10.1177/15330338231160391	SAGE Publications Inc.	15330346	All Open Access; Gold Open Access; Green Open Access	Scopus
1538	Article	Mendu S.K.; Chakraborty S.	Gated Linear Model induced U-net for surrogate modeling and uncertainty quantification	2023	Probabilistic Engineering Mechanics	72					10.1016/j.probengmech.2023.103421	Elsevier Ltd	2668920	All Open Access; Green Open Access	Scopus
1539	Article	Bhuvana G.R.; Aneesha U.; Radhika D.; Agrawal V.K.; Mandal S.; Katoch T.; Nandi A.	Broad-band X-ray properties of black holes GRS 1758–258 and 1E 1740.7–2942: AstroSat and NuSTAR results	2023	Monthly Notices of the Royal Astronomical Society	520	4	5828	5844	16	10.1093/mnras/stad446	Oxford University Press	358711	All Open Access; Green Open Access	Scopus
1540	Article	Sebastian S.; Thomas E.V.	Development and Performance Evaluation of a Two-row Mechanical Paddy Transplanter	2023	Agricultural Science Digest	43	2	164	169	5	10.18805/ag.D-5328	Agricultural Research Communication Centre	0253150X	All Open Access; Bronze Open Access	Scopus
1541	Article	Shukla S.S.; Murthy K.S.R.K.; Sajith S.	Mixed mode (I/III) fracture studies using a new specimen setup	2023	International Journal of Mechanical Sciences	243					10.1016/j.ijmecsci.2022.108036	Elsevier Ltd	207403		Scopus
1542	Review	Barman P.; Dutta L.; Azzopardi B.	Electric Vehicle Battery Supply Chain and Critical Materials: A Brief Survey of State of the Art	2023	Energies	16	8				10.3390/en16083369	MDPI	19961073	All Open Access; Gold Open Access	Scopus

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1543	Article	Patel M.; Kumbhar D.D.; Gosai J.; Sekhar M.R.; Mallajosyula A.T.; Solanki A.	Hybrid Perovskite-Based Flexible and Stable Memristor by Complete Solution Process for Neuromorphic Computing	2023	Advanced Electronic Materials	9	4				10.1002/aelm.202200908	John Wiley and Sons Inc	2199160X	All Open Access; Gold Open Access	Scopus
1544	Article	Verma S.; Ravi S.	Phenomenological investigation of structural, magnetic, and dielectric properties of holmium substituted gadolinium iron garnet	2023	Journal of Materials Science: Materials in Electronics	34	12				10.1007/s10854-023-10451-5	Springer	9574522		Scopus
1545	Article	Benny C.K.; Chakraborty S.	Dyeing wastewater treatment in horizontal-vertical constructed wetland using organic waste media	2023	Journal of Environmental Management	331					10.1016/j.jenvman.2023.117213	Academic Press	3014797		Scopus
1546	Article	Thirugnanam K.; Yuen C.; Kumar P.; Ghaoud T.; Sgouridis S.	Coordinated control strategy for vehicle-to-grid support at distribution node	2023	IET Smart Grid	6	2	158	174	16	10.1049/stg2.12086	John Wiley and Sons Inc	25152947	All Open Access; Gold Open Access	Scopus
1547	Article	Sangineni R.; Nayak S.K.; Becerra M.	Magnetic Profiling of Conducting, Semi-Conducting, and Insulating Nanoparticles and Their Nanofluids Possessing Potential Transformer Application	2023	IEEE Transactions on Dielectrics and Electrical Insulation	30	2	649	657	8	10.1109/TDEI.2022.3224891	Institute of Electrical and Electronics Engineers Inc.	10709878		Scopus
1548	Article	Quezada G.R.; Toro N.; Krishna R.S.; Mishra S.; Robles P.; Salazar I.; Mathe E.; Jeldres R.I.	Experimental and Simulation Studies on Hematite Interaction with Na-Metasilicate Pentahydrate	2023	Molecules	28	8				10.3390/molecules28083629	MDPI	14203049	All Open Access; Gold Open Access; Green Open Access	Scopus
1549	Article	Kandar D.; Chyne P.; Nath Sur S.; Nandi S.	A study on the channel bonding in IoT networks: Requirements, applications, and challenges	2023	International Journal of Communication Systems	36	6				10.1002/dac.5443	John Wiley and Sons Ltd	10745351		Scopus
1550	Article	Bisht G.S.; Pal D.	Effects on the glassy phase and electronic structure of Ca3Co2O6 through Mg and Bi substitution	2023	Physica B: Condensed Matter	654					10.1016/j.physb.2023.414707	Elsevier B.V.	9214526		Scopus
1551	Article	Mahato S.; Chakraborty A.; Griškevičius P.	A Data-Driven System Identification Method for Random Eigenvalue Problem Using Synchrosqueezed Energy and Phase Portrait Analysis	2023	Sensors	23	7				10.3390/s23073421	MDPI	14248220		Scopus
1552	Article	Bhattacharyya P.; Sarma L.; Taneja A.; Parmar P.R.; Jain G.; Bandyopadhyay D.; Chakrabarti S.	MOF-Heterostructure-Mediated pH-Responsive Adsorptive Removal of Ciprofloxacin: A Step towards Pharmaceutical Wastewater Treatment	2023	ChemNanoMat	9	4				10.1002/cnma.202200518	John Wiley and Sons Inc	2199692X		Scopus
1553	Article	Ahmed M.M.; Upadhyay R.K.; Tiwari P.	Techno economic comparison of combustor integrated steam reforming and sorption enhanced chemical looping steam reforming of methanol	2023	Chemical Engineering Research and Design	192		299	309	10	10.1016/j.cherd.2023.02.025	Institution of Chemical Engineers	2638762		Scopus

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1554	Article	Paul S.; Deb S.K.	Seismic vulnerability assessment of exterior semi-rigid RBS-column connections using experimental fragility functions	2023	Innovative Infrastructure Solutions	8	4				10.1007/s41062-023-01100-1	Springer Science and Business Media Deutschland GmbH	23644176		Scopus
1555	Article	Roy S.K.; Devaraj R.; Sarkar A.	SAFLA: Scheduling Multiple Real-Time Periodic Task Graphs on Heterogeneous Systems	2023	IEEE Transactions on Computers	72	4	1067	1080	13	10.1109/TC.2022.3191970	IEEE Computer Society	189340		Scopus
1556	Article	Kar P.; Venthuruthiyil S.P.; Chunchu M.	Non-stationary crash risk modelling of powered two-wheelers using extreme value analysis of surrogate crash events	2023	Accident Analysis and Prevention	183					10.1016/j.aap.2023.106973	Elsevier Ltd	14575		Scopus
1557	Article	Bhattacharjee R.; Datta S.; Hammad A.; Biswas P.	Prediction of various defects and material flow behavior during dissimilar FSW of DH36 shipbuilding steel and marine grade AA5083 using FE-based CEL approach	2023	Modelling and Simulation in Materials Science and Engineering	31	3				10.1088/1361-651X/acbe5a	Institute of Physics	9650393		Scopus
1558	Article	Sah P.K.; Kumar S.S.; Sreedeeep S.	Thermophysical Properties of Bentonite–Sand/Fly Ash-Based Backfill Materials for Underground Power Cable	2023	International Journal of Thermophysics	44	4				10.1007/s10765-023-03163-9	Springer	0195928X	All Open Access; Green Open Access	Scopus
1559	Article	Cai W.; Bora M.J.; Pekkat S.; Bordoloi S.; Garg A.; Sekharan S.	A new and simple model for predicting soil erosion based on hole erosion tests	2023	Acta Geophysica	71	2	823	836	13	10.1007/s11600-022-00904-6	Springer Science and Business Media Deutschland GmbH	18956572		Scopus
1560	Article	Saha A.; Kumari P.	Effect of alkaline treatment on physical, structural, mechanical and thermal properties of Bambusa tulda (Northeast Indian species) based sustainable green composites	2023	Polymer Composites	44	4	2449	2473	24	10.1002/pc.27256	John Wiley and Sons Inc	2728397		Scopus
1561	Article	Naik A.P.; Pekkat S.	An appraisal on the soil wetting water retention characteristic curve determined from mini disk infiltrometer and sensor measurements	2023	Acta Geophysica	71	2	961	982	21	10.1007/s11600-022-00932-2	Springer Science and Business Media Deutschland GmbH	18956572		Scopus
1562	Article	Nair M.; Hazarika M.; Kishore M.T.; Sengupta N.; Sheregar G.; MacGregor H.; Wickenden M.; Kaushik N.H.; Saikia P.; Kelley M.; Shepperd S.	A community developed conceptual model for reducing long-term health problems in children with intellectual disability in India	2023	PLOS Global Public Health	3	4				10.1371/journal.pgph.0000833	Public Library of Science	27673375	All Open Access; Gold Open Access; Green Open Access	Scopus
1563	Article	Kumar M.; Mansukhani J.; Tripathy A.; Mondal P.K.	Biomimetic micropump: Leveraging a novel propagative rhythmic membrane function	2023	Physics of Fluids	35	4				10.1063/5.0144986	American Institute of Physics Inc.	10706631		Scopus
1564	Article	Roy A.; Shakkottai S.; Srikant R.	Adaptive KL-UCB Based Bandit Algorithms for Markovian and I.I.D. Settings	2023	IEEE Transactions on Automatic Control	69	4	2637	2644	7	10.1109/TAC.2023.3336835	Institute of Electrical and Electronics Engineers Inc.	189286	All Open Access; Green Open Access	Scopus

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1565	Article	Pottipati S.; Jat N.; Kalamdhad A.S.	Bioconversion of Eichhornia crassipes into vermicompost on a large scale through improving operational aspects of in-vessel biodegradation process: Microbial dynamics	2023	Bioresource Technology	374					10.1016/j.biortech.2023.128767	Elsevier Ltd	9608524		Scopus
1566	Article	Mehta S.K.; Mondal P.K.	Free convective heat transfer and entropy generation characteristics of the nanofluid flow inside a wavy solar power plant	2023	Microsystem Technologies	29	4	489	500	11	10.1007/s00542-022-05348-y	Springer Science and Business Media Deutschland GmbH	9467076		Scopus
1567	Article	Raj S.; Biswas P.	Effect of induction preheating on microstructure and mechanical properties of friction stir welded dissimilar material joints of Inconel 718 and SS316L	2023	CIRP Journal of Manufacturing Science and Technology	41		160	179	19	10.1016/j.cirpj.2022.12.014	Elsevier Ltd	17555817		Scopus
1568	Article	Das P.; Khan N.	Origin of neutrino masses, dark matter, leptogenesis, and inflation in a seesaw model with triplets	2023	Physical Review D	107	7				10.1103/PhysRevD.107.075008	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1569	Article	Bhattacharyya P.; Parmar P.R.; Basak S.; Dubey K.K.; Sutradhar S.; Bandyopadhyay D.; Chakrabarti S.	Metal organic framework–derived recyclable magnetic coral Co@Co3O4/C for adsorptive removal of antibiotics from wastewater	2023	Environmental Science and Pollution Research	30	17	50520	50536	16	10.1007/s11356-023-25846-4	Springer Science and Business Media Deutschland GmbH	9441344	All Open Access; Bronze Open Access; Green Open Access	Scopus
1570	Article	Sen A.; Selvaraju N.	Diffusion approximation of an infinite-server queue under Markovian environment with rapid switching	2023	Statistics and Probability Letters	195					10.1016/j.spl.2023.109778	Elsevier B.V.	1677152		Scopus
1571	Article	Rathod U.H.; Kulkarni V.; Saha U.K.	Predicting the Optimum Performance of a Vertical-Axis Savonius Wind Rotor With Parametric Modeling Using Artificial Neural Network and Golden Section Method	2023	Journal of Computing and Information Science in Engineering	23	2				10.1115/1.4054691	American Society of Mechanical Engineers (ASME)	15309827		Scopus
1572	Article	Mondal S.K.; Bharti R.	Spatio-Temporal Variations in the Effective Snow/Glacier Coverage in the Sikkim Himalayas	2023	Journal of the Indian Society of Remote Sensing	51	4	699	711	12	10.1007/s12524-022-01643-3	Springer	0255660X		Scopus
1573	Article	Sachan D.; Ghosh A.; Das G.	Valorization of aquatic weed Salvinia minima to value-added eco-friendly biosorbent: preferential removal of dye and heavy metal	2023	International Journal of Environmental Science and Technology	20	4	3703	3712	9	10.1007/s13762-022-04126-7	Institute for Ionics	17351472		Scopus

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1574	Editorial	Kapoor H.K.; Thakkar I.	Message from the Technical Program Chairs: ISES 2024	2024	Proceedings - 10th IEEE International Symposium on Smart Electronic Systems, ISES 2024			xv	xvi		10.1109/iSES63344.2024.00006	Institute of Electrical and Electronics Engineers Inc.			Scopus
1575	Article	Ghosh S.; Mondal S.S.; Swain J.	Strichartz inequality for orthonormal functions associated with special Hermite operator	2024	Forum Mathematicum	36	3	655	669	14	10.1515/forum-2023-0115	Walter de Gruyter GmbH	9337741		Scopus
1576	Note	Khanra B.; Ghosh B.D.; Das S.; Mandal M.	On Planarity and the Metric Dimension of Proper Divisor Graph of Positive Integers	2024	National Academy Science Letters	47	5	599	606	7	10.1007/s40009-023-01362-4	Springer	0250541X		Scopus
1577	Article	Sharma U.; Vasamsetti S.; Chander S.A.; Datta B.	Vision-aided grasp classification: design and evaluation of compact CNN for prosthetic hands	2024	Biomedical Physics and Engineering Express	10	4				10.1088/2057-1976/ad464e	Institute of Physics	20571976		Scopus
1578	Article	Dakua P.K.; Trabelsi Y.; Dudekula U.; Tripathi R.; Sadanand; Laidouci A.; Pal A.; Panda D.K.; Misra R.K.; Bhattarai S.	Optimization of efficiency of CZTS-based solar cell through exclusive BSF layer engineering method	2024	Journal of Physics and Chemistry of Solids	193					10.1016/j.jpcs.2024.112156	Elsevier Ltd	223697		Scopus
1579	Article	Bharadwaj M.; Gaur A.	Cooperative sensitization upconversion of ex-situ sol-gel synthesized ZnO-SiO2: Nd3+/Yb3+ dense glass ceramic material under 980nm laser pumping	2024	Journal of Non-Crystalline Solids	631					10.1016/j.jnoncrysol.2024.122897	Elsevier B.V.	223093		Scopus
1580	Article	Saha P.K.; Chakraborty N.; Mondal A.; Mondal S.	Intelligent Real-Time Utilization of Hybrid Energy Resources for Cost Optimization in Smart Microgrids	2024	IEEE Systems Journal	18	1	186	197	11	10.1109/JSYST.2024.3352617	Institute of Electrical and Electronics Engineers Inc.	19328184		Scopus
1581	Article	Basu D.	"Here doth Shee Mourne:" Epitaphic Compulsion in Isabella Whitney's Lament upon William Gruffith's Death	2024	Women's Writing	31	1	67	82	15	10.1080/09699082.2024.2284041	Routledge	9699082		Scopus
1582	Article	Ranjan G.; Tiwari R.; Nemade H.B.	Single Plane Balancing of Rotor-AMB System Using Virtual Trial Unbalances	2024	Journal of Vibration Engineering and Technologies	12	8	9031	9040	9	10.1007/s42417-024-01575-x	Springer	25233920		Scopus
1583	Article	Sahu P.K.; Das J.; Dutta P.; Chen G.; Shi Q.	Multi-Overlap-Passed Friction Stir Additive Alloying for Enhanced Wear Characteristics, Mechanical and Metallurgical Attributes	2024	JOM	76	12	6889	6905	16	10.1007/s11837-024-06807-9	Springer	10474838		Scopus
1584	Article	Konwar S.; Sherpa N.	Astigmatic lens approach of defocus measurement using Computer Generated Hologram	2024	Optik	309					10.1016/j.ijleo.2024.171873	Elsevier GmbH	304026		Scopus
1585	Article	Priya G.V.; Ganguly S.	Multi-swarm surrogate model assisted PSO algorithm to minimize distribution network energy losses	2024	Applied Soft Computing	159					10.1016/j.asoc.2024.111616	Elsevier Ltd	15684946		Scopus

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1586	Article	Shakya A.K.; Sonkeshariya H.; Rajashekhar G.; Ghosh P.K.	Selenium and concomitant anions removal in a fixed bed bioreactor to satisfy drinking water regulations and subsequent stability check of selenium-laden biosludge	2024	Environmental Research	262					10.1016/j.envres.2024.119895	Academic Press Inc.	139351		Scopus
1587	Review	Meinshausen M.; Schleussner C.-F.; Beyer K.; Bodeker G.; Boucher O.; Canadell J.G.; Daniel J.S.; Diongue-Niang A.; Driouech F.; Fischer E.; Forster P.; Grose M.; Hansen G.; Hausfather Z.; Ilyina T.; Kikstra J.S.; Kimutai J.; King A.D.; Lee J.-Y.; Lennard C.; Lissner T.; Nauels A.; Peters G.P.; Pirani A.; Plattner G.-K.; Pörtner H.; Rogelj J.; Rojas M.; Roy J.; Samset B.H.; Sanderson B.M.; Séférian R.; Seneviratne S.; Smith C.J.; Szopa S.; Thomas A.; Urge-Vorsatz D.; Velders G.J.M.; Yokohata T.; Ziehn T.; Nicholls Z.	A perspective on the next generation of Earth system model scenarios: Towards representative emission pathways (REPs)	2024	Geoscientific Model Development	17	11	4533	4559	26	10.5194/gmd-17-4533-2024	Copernicus Publications	1991959X	All Open Access; Gold Open Access; Green Open Access	Scopus
1588	Article	Marjit S.; Das P.J.; Talukdar U.; Hazarika S.M.	A hybrid sequential forward channel selection method for enhancing EEG-Based emotion recognition	2024	Journal of Experimental and Theoretical Artificial Intelligence						10.1080/0952813X.2023.2301367	Taylor and Francis Ltd.	0952813X		Scopus
1589	Article	Swain C.K.; Shankar R.; Sahu A.	Edge data distribution as a network Steiner tree estimation in edge computing	2024	Computing	106	5	1585	1609	24	10.1007/s00607-024-01259-0	Springer	0010485X		Scopus
1590	Article	Ranjan P.; Yadav A.; Behera A.K.; Singh D.K.; Singh P.; Singh G.P.	Structural, functional and evolutionary analysis of wheat WRKY45 protein: a combined bioinformatics and MD simulation approach	2024	Cereal Research Communications	52	2	489	499	10	10.1007/s42976-023-00399-x	Akademiai Kiado ZRt.	1333720	All Open Access; Green Open Access	Scopus
1591	Article	Mohanty S.S.; Singh P.; Nistala S.; Mohanty K.	Understanding the environmental fate and removal strategies of phenylurea herbicides: A comprehensive review	2024	Journal of Hazardous Materials Advances	16					10.1016/j.hazadv.2024.100496	Elsevier B.V.	27724166	All Open Access; Gold Open Access	Scopus
1592	Article	Lee S.J.; Shen H.	Tone sandhi in Nuosu Yi at the interface: Phonological evidence for morphological structures	2024	Linguistics of the Tibeto-Burman Area	47	1	118	139	21	10.1075/ltba.00019.lee	John Benjamins Publishing Company	7313500		Scopus
1593	Article	Gharate T.; Karanwad T.; Deka M.K.; Banerjee S.; Banerjee S.	Comparative Life Cycle Assessment and Pharmaceutical Validations of Directly Compressed versus Additively Manufactured Tablets	2024	Industrial and Engineering Chemistry Research	63	20	9124	9135	11	10.1021/acs.iecr.4c00258	American Chemical Society	8885885		Scopus

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1594	Article	Das A.; Medhi T.; Kapil S.; Biswas P.	Different build strategies and computer-aided process planning for fabricating a functional component through hybrid-friction stir additive manufacturing	2024	International Journal of Computer Integrated Manufacturing	37	3	350	371	218	10.1080/0951192X.2023.2228258	Taylor and Francis Ltd.	0951192X		Scopus
1595	Article	Abdullah M.; Bagchi S.; Harakeh M.N.; Akimune H.; Das D.; Doi T.; Donaldson L.M.; Fujikawa Y.; Fujiwara M.; Furuno T.; Garg U.; Gupta Y.K.; Howard K.B.; Hijikata Y.; Inaba K.; Ishida S.; Itoh M.; Kalantar-Nayestanaki N.; Kar D.; Kawabata T.; Kawashima S.; Khokhar K.; Kitamura K.; Kobayashi N.; Matsuda Y.; Nakagawa A.; Nakamura S.; Nosaka K.; Okamoto S.; Ota S.; Pal S.; Pramanik R.; Roy S.; Weyhmler S.; Yang Z.; Zamora J.C.	Effect of ground-state deformation on the isoscalar giant monopole resonance and the first observation of overtones of the isoscalar giant quadrupole resonance in rare-Earth Nd isotopes	2024	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	855					10.1016/j.physletb.2024.138852	Elsevier B.V.	3702693		Scopus
1596	Article	Mitra S.; Chourasia A.; Das A.; Gujre N.; Soni A.	Areca nut husk biochar prepared through a low-cost kiln for the adsorptive elimination of nickel and manganese from water: a farmer-friendly approach for agro-residue management	2024	Biomass Conversion and Biorefinery						10.1007/s13399-024-06354-y	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1597	Article	Sengupta M.; Baishya K.; Roy A.; Chakrabarti S.; Mukhopadhyay I.	An Exploratory Study on Factors Affecting Patient Attitude towards Private Clinical Establishments in India	2024	Journal of the Indian Medical Association	122	4	43	50	7		Evangel Publishing	195847		Scopus
1598	Article	Inkulu R.; Kumar P.	Routing among Convex Polygonal Obstacles in the Plane	2024	International Journal of Foundations of Computer Science	35	6	723	739	16	10.1142/S0129054123410034	World Scientific	1290541		Scopus
1599	Article	Nupur; Nath S.	Dependence of Continuous–Discontinuous Conduction Mode Boundary on Gate Pulse Shift in Coupled Inductor Single-Input Dual-Output Boost Converter	2024	IEEE Transactions on Transportation Electrification	10	4	8009	8018	9	10.1109/TTE.2022.3232803	Institute of Electrical and Electronics Engineers Inc.	23327782		Scopus
1600	Article	Singh P.K.; Kumar S.; Jain P.K.; Dixit U.S.	Effect of Heat Treatment on Electrochemical Behavior of Additively Manufactured Ti-6Al-4 V Alloy in Ringer’s Solution	2024	Journal of Materials Engineering and Performance	33	18	9570	9582	12	10.1007/s11665-023-08636-4	Springer	10599495		Scopus
1601	Article	Chachane L.; Jagtap S.; Kamble S.	Assisting over thinkers to reframe cognitive processes	2024	Journal of Engineering Education Transformations	37	Special Issue 2	783	788	51	10.16920/jeet/2024/v37is2/24121	Rajarambapu Institute Of Technology	23492473	All Open Access; Gold Open Access	Scopus
1602	Article	Barik S.; Mishra R.; Pati S.	On non-bipartite graphs with strong reciprocal eigenvalue property	2024	Linear Algebra and Its Applications	699		107	128	21	10.1016/j.laa.2024.06.023	Elsevier Inc.	243795		Scopus

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1603	Article	Su Y.-H.; Bhowmick P.; Lanzon A.	A Fixed-Time Formation-Containment Control Scheme for Multi-Agent Systems With Motion Planning: Applications to Quadcopter UAVs	2024	IEEE Transactions on Vehicular Technology	73	7	9495	9507	12	10.1109/TVT.2024.3382489	Institute of Electrical and Electronics Engineers Inc.	189545		Scopus
1604	Article	Acero M.A.; Acharya B.; Adamson P.; Anfimov N.; Antoshkin A.; Arrieta-Diaz E.; Asquith L.; Aurisano A.; Back A.; Balashov N.; Baldi P.; Bambah B.A.; Bat A.; Bays K.; Bernstein R.; Bezerra T.J.C.; Bhatnagar V.; Bhattarai D.; Bhuyan B.; Bian J.; Booth A.C.; Bowles R.; Brahma B.; Bromberg C.; Buchanan N.; Butkevich A.; Calvez S.; Carroll T.J.; Catano-Mur E.; Cesar J.P.; Chatla A.; Chaudhary S.; Chirco R.; Choudhary B.C.; Christensen A.; Coan T.E.; Cooleybeck A.; Cremonesi L.; Davies G.S.; Derwent P.F.; Ding P.; Djurcic Z.; Dolce M.; Doyle D.; Dueñas Tonguino D.; Dukes E.C.; Dye A.; Ehrlich R.; Elkins M.; Ewart E.; Filip P.; Franc J.; Frank M.J.; Gallagher H.R.; Gao F.; Giri A.; Gomes R.A.; Goodman M.C.; Groh M.; Group R.; Habig A.; Hakl F.; Hartnell J.; Hatcher R.; He M.; Heller K.; Hewes V.; Himmel A.; Jargowsky B.; Jarosz J.; Jediny F.; Johnson C.; Judah M.; Kakorin I.; Kaplan D.M.; Kalitkina A.; Kleykamp J.; Klimov O.; Koerner L.W.; Kolupaeva L.; Kralik R.; Kumar A.; Kuruppu C.D.; Kus V.; Lackey T.; Lang K.; Lasorak P.; Lesmeister J.; Lister A.; Liu J.; Lock J.A.; Lokajicek M.; Macmahon M.; Magill S.; Mann W.A.	Expanding neutrino oscillation parameter measurements in NOvA using a Bayesian approach	2024	Physical Review D	110	1				10.1103/PhysRevD.110.012005	American Physical Society	24700010		Scopus
1605	Article	Paul A.; Basak M.; Ahmed M.M.; Singha D.; Bandyopadhyay D.	Decoration of Nanoenabled Optoplasmonic Sensors on Flexible Micropatterned Surfaces	2024	IEEE Sensors Journal	24	17	27152	27159	7	10.1109/JSEN.2024.3429528	Institute of Electrical and Electronics Engineers Inc.	1530437X		Scopus
1606	Article	Paul S.; Maiti T.K.	Accurate Kinematic-Parameters Estimation Using IMU and GPS Sensors Fusion	2024	IEEE Sensors Journal	24	21	35547	35554	7	10.1109/JSEN.2024.3460804	Institute of Electrical and Electronics Engineers Inc.	1530437X		Scopus
1607	Article	Yadav S.; Bhardwaj A.; Yadav S.; Mohan D.; Dhar R.	Optical and nonlinear characterization of Er-doped SnO2 thin films fabricated by thermal evaporation: potential for advanced optical device applications	2024	Journal of Materials Science: Materials in Electronics	35	28				10.1007/s10854-024-13625-x	Springer	9574522		Scopus
1608	Article	Sharma S.; Mishra A.K.; Kumar M.H.; Deka K.; Bhatia V.	Intelligent Reflecting Surfaces (IRS)-Enhanced Cooperative NOMA: A Contemporary Review	2024	IEEE Access	12		82168	82191	23	10.1109/ACCESS.2024.3403931	Institute of Electrical and Electronics Engineers Inc.	21693536	All Open Access; Gold Open Access	Scopus

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1609	Article	Kuriakose V.; Bishwas S.K.	Family incivility and organisational citizenship behaviour: roles of negative rumination, workplace friendship and optimism	2024	Evidence-based HRM	12	4	782	798	16	10.1108/EBHRM-09-2022-0220	Emerald Publishing	20493983		Scopus
1610	Article	Saidulu N.; Muduli P.R.; Dasgupta A.	RHLNet: Robust Hybrid Loss-Based Network for Low-Dose CT Image Denoising	2024	IEEE Transactions on Instrumentation and Measurement	73					10.1109/TIM.2024.3403187	Institute of Electrical and Electronics Engineers Inc.	189456		Scopus
1611	Article	Patra A.K.; Sahoo L.	Explainable light-weight deep learning pipeline for improved drought stress identification	2024	Frontiers in Plant Science	15					10.3389/fpls.2024.1476130	Frontiers Media SA	1664462X	All Open Access; Gold Open Access; Green Open Access	Scopus
1612	Article	Rahman D.M.; Ganguly S.	Voltage regulation and energy loss minimization for distribution networks with high photovoltaic penetration and EV charging stations using dual-stage model predictive control	2024	Sustainable Energy, Grids and Networks	40					10.1016/j.segan.2024.101529	Elsevier Ltd	23524677		Scopus
1613	Article	Das S.; Dandapat S.	Heart Murmur Severity Stages Classification Using Multikernel Residual CNN	2024	IEEE Sensors Journal	24	8	13019	13027	8	10.1109/JSEN.2024.3373226	Institute of Electrical and Electronics Engineers Inc.	1530437X		Scopus
1614	Article	Dutta A.; Ganguly S.; Kumar C.	Three-stage receding horizon-based voltage control and electric vehicle charge scheduling of active distribution networks	2024	IET Renewable Power Generation	18	S1	4308	4317	9	10.1049/rpg2.12977	John Wiley and Sons Inc	17521416	All Open Access; Gold Open Access	Scopus

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1615	Article	Acero M.A.; Acharya B.; Adamson P.; Aliaga L.; Anfimov N.; Antoshkin A.; Arrieta-Diaz E.; Asquith L.; Aurisano A.; Back A.; Balashov N.; Baldi P.; Bambah B.A.; Bat A.; Bays K.; Bernstein R.; Bezerra T.J.C.; Bhatnagar V.; Bhattarai D.; Bhuyan B.; Bian J.; Booth A.C.; Bowles R.; Brahma B.; Bromberg C.; Buchanan N.; Butkevich A.; Calvez S.; Carroll T.J.; Catano-Mur E.; Cesar J.P.; Chatla A.; Chaudhary S.; Chirco R.; Choudhary B.C.; Christensen A.; Cicala M.F.; Coan T.E.; Cooleybeck A.; Cortes-Parra C.; Coveyou D.; Cremonesi L.; Davies G.S.; Derwent P.F.; Djurcic Z.; Dolce M.; Doyle D.; Dueñas Tonguino D.; Dukes E.C.; Dye A.; Ehrlich R.; Ewart E.; Filip P.; Franc J.; Frank M.J.; Gallagher H.R.; Gao F.; Giri A.; Gomes R.A.; Goodman M.C.; Groh M.; Group R.; Habig A.; Hakl F.; Hartnell J.; Hatcher R.; He M.; Heller K.; Hewes V.; Himmel A.; Ivaneev Y.; Ivanova A.; Jargowsky B.; Jarosz J.; Johnson C.; Judah M.; Kakorin I.; Kaplan D.M.; Kalitkina A.; Kleykamp J.; Klimov O.; Koerner L.W.; Kolupaeva L.; Kralik R.; Kuruppu C.D.; Kus V.; Lackey T.; Lang K.; Lesmeister J.; Lister A.; Liu J.; Lock J.A.; Lokajicek M.;	Search for CP -Violating Neutrino Nonstandard Interactions with the NOvA Experiment	2024	Physical Review Letters	133	20					10.1103/PhysRevLett.133.201802	American Physical Society	319007		Scopus
1616	Review	Sharma S.; Nakano K.; Kumar S.; Katiyar V.	Edible packaging to prolong postharvest shelf-life of fruits and vegetables: A review	2024	Food Chemistry Advances	4					10.1016/j.focha.2024.100711	Elsevier Ltd	2772753X	All Open Access; Gold Open Access	Scopus	
1617	Article	Shravan Kumar S.M.; Patil C.; Yadav A.; Bukke L.; Reddy R.L.; Sakare P.K.	Impact of downstream obstructions on ogee weir efficiency: a regression analysis	2024	Journal of Hydroinformatics	26	5	1217	1233	16	10.2166/hydro.2024.029	IWA Publishing	14647141	All Open Access; Gold Open Access	Scopus	
1618	Article	Sharma S.; Dharmalingam U.K.; Karmaka S.	Phad: The Scoping Review of Ritualistic, Performative Audio-Visual Folk Tradition of Rajasthan	2024	Textile: The Journal of Cloth and Culture	22	2	310	333	23	10.1080/14759756.2023.2200297	Taylor and Francis Ltd.	14759756		Scopus	
1619	Article	Sen A.; Khamaj A.; Karmakar S.	Design intervention for addressing the safety and health risks of discomfort glare and UV radiation associated with BIPV installation and maintenance	2024	Energy and Buildings	318					10.1016/j.enbuild.2024.114479	Elsevier Ltd	3787788		Scopus	
1620	Article	Patel S.; Das P.; Priyadarshi M.; Babbar M.; Hussain A.; Bharat T.V.	Anaerobic digestion of herbal waste: a waste to energy option	2024	Environmental Monitoring and Assessment	196	7				10.1007/s10661-024-12769-x	Springer Science and Business Media Deutschland GmbH	1676369		Scopus	
1621	Review	Ghosh T.K.; Singh A.K.; Mitra S.; Karmakar S.	Gathering insights of the global scenario of floating-bed agriculture through systematic literature review for its promotion in Indian context	2024	Progress in Disaster Science	24					10.1016/j.pdisas.2024.100367	Elsevier Ltd	25900617	All Open Access; Gold Open Access	Scopus	

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1622	Note	Basu D.; Das D.; Mukherjee S.	A Neoclassical Theory of Labor Exploitation: Some Comments	2024	Review of Radical Political Economics						10.1177/04866134241291910	SAGE Publications Inc.	4866134		Scopus
1623	Review	Mili M.; Bachu V.; Kuri P.R.; Singh N.K.; Goswami P.	Improving synthesis and binding affinities of nucleic acid aptamers and their therapeutics and diagnostic applications	2024	Biophysical Chemistry	309					10.1016/j.bpc.2024.107218	Elsevier B.V.	3014622		Scopus
1624	Article	Gopal R.; Narayanan V.L.; Dhaked D.K.; Gupta A.	Performance enhancement of inorganic Cs2AgInBr6-based perovskite solar cell by numerical simulation	2024	Journal of Physics and Chemistry of Solids	193					10.1016/j.jpcs.2024.112184	Elsevier Ltd	223697		Scopus
1625	Article	Saha P.; Hegde M.; Chakraborty K.; Singha A.; Mukerjee N.; Ghosh D.; Kunnumakkara A.B.; Khan M.S.; Ahmad M.I.; Ghosh A.; Kumer A.; Sil S.K.	Targeted inhibition of colorectal cancer proliferation: The dual-modulatory role of 2,4-DTBP on anti-apoptotic Bcl-2 and Survivin proteins	2024	Journal of Cellular and Molecular Medicine	28	7				10.1111/jcmm.18150	John Wiley and Sons Inc	15821838	All Open Access; Gold Open Access; Green Open Access	Scopus
1626	Article	Barik S.; Mondal D.; Pati S.; Sarma K.	Singular graphs and the reciprocal eigenvalue property	2024	Discrete Mathematics	347	7				10.1016/j.disc.2024.114003	Elsevier B.V.	0012365X		Scopus
1627	Article	Sai Kumar S.; Muthu N.	A thermodynamically consistent strain difference-based nonlocal damage mechanics approach for failure analysis of quasi-brittle materials	2024	Theoretical and Applied Fracture Mechanics	131					10.1016/j.tafmec.2024.104351	Elsevier B.V.	1678442		Scopus
1628	Article	Singha T.B.; Sanjana B.; Ignatius T.M.; Palathinkal R.P.; Ahamed S.R.	Improvement in Resilience of AES Design With Reconfigured CFB Mode Against Power Attacks	2024	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	32	11	2149	2153	4	10.1109/TVLSI.2024.3422501	Institute of Electrical and Electronics Engineers Inc.	10638210		Scopus
1629	Article	De K.; Majumder S.; Kumar P.	Transition to E-mobility and green energy generation for emission reduction: an Indian case study	2024	Environment, Development and Sustainability						10.1007/s10668-024-05839-0	Springer Science and Business Media B.V.	1387585X		Scopus
1630	Article	Romeo Meitei S.; Devi L.S.; Singh N.K.	Ag nanoparticle decorated β-Ga2O3 nanowires on Si substrates: advancing photodetector technology	2024	Journal of Physics D: Applied Physics	57	17				10.1088/1361-6463/ad2295	Institute of Physics	223727		Scopus
1631	Article	Pyngrope D.; Biswas M.; Kumar S.; Majumdar S.; Bag A.	RF magnetron sputtering of Ga2O3 thin films: Analysis of thermal annealing induced tuning of structural, optical characteristics, and energy band alignments	2024	Materials Science in Semiconductor Processing	174					10.1016/j.mssp.2024.108243	Elsevier Ltd	13698001		Scopus
1632	Article	Saha D.; Pal S.	JOINING BEHAVIOUR OF THICK PLATE USING HIGH-FREQUENCY INDUCTION ASSISTED ARC WELDING	2024	Archives of Metallurgy and Materials	69	2	675	683	8	10.24425/amm.2024.149797	Polska Akademia Nauk	17333490	All Open Access; Gold Open Access	Scopus
1633	Article	Bhowmick P.; Kurawa S.; Kannan S.; Lanzon A.	A dynamic controller synthesis methodology for negative imaginary systems using the internal model control principle	2024	Automatica	164					10.1016/j.automatica.2024.111621	Elsevier Ltd	51098		Scopus

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1634	Article	Neelam; Bopardikar M.; Singh H.	1H, 15N and 13C resonance assignments of the S2A and H64A double mutant of human carbonic anhydrase II	2024	Biomolecular NMR Assignments	18	2	299	304	5	10.1007/s12104-024-10203-4	Springer Science and Business Media B.V.	18742718		Scopus
1635	Article	Kumar A.; Das C.	Corrosion inhibition of mild steel by Praecitrullus fistulosus (tinda fruit and peel) extracts	2024	Science of the Total Environment	929					10.1016/j.scitotenv.2024.172569	Elsevier B.V.	489697		Scopus
1636	Article	Goli V.P.; Ganguly S.	Cost-Benefit Analysis of Multiple Shunt Compensators Allocation in PV-Integrated Distribution Networks for Profit Maximization	2024	Electric Power Components and Systems						10.1080/15325008.2024.2309226	Taylor and Francis Ltd.	15325008		Scopus
1637	Article	Rao C.A.; Murthy K.S.R.K.; Chakraborty D.	Improving resistance to embedded delaminations by adding CNTs to epoxy in carbon/(epoxy + CNT) composites	2024	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	238	9	1714	1729	15	10.1177/14644207241230234	SAGE Publications Ltd	14644207		Scopus
1638	Erratum	Mandal P.; Kumar S.; Pandey A.; Katariya L.; Mondal A.; Bag A.	Corrigendum to “Unveiling structural and optical properties of Sn-doped β-Ga2O3: A correlation of experimental and theoretical observations” [Mat. Sci. Eng. B 302 (2024) 117266] (Materials Science & Engineering B (2024) 302, (S0921510724000953), (10.1016/j.mseb.2024.117266))	2024	Materials Science and Engineering: B	303					10.1016/j.mseb.2024.117321	Elsevier Ltd	9215107		Scopus
1639	Article	Anilkumar P.; Pamu D.; Tiwari T.	Optimization of Hole and Slot, Slot, Vane, and Rising Sun Anode Structures of the Magnetron	2024	IEEE Transactions on Plasma Science	52	9	4739	4747	8	10.1109/TPS.2024.3483901	Institute of Electrical and Electronics Engineers Inc.	933813		Scopus
1640	Article	K Benny C.; Chakraborty S.	Mechanistic investigation of azo dye removal from carbon-deficient dyeing wastewater using horizontal-vertical constructed wetlands	2024	Chemosphere	364					10.1016/j.chemosphere.2024.143148	Elsevier Ltd	456535		Scopus
1641	Article	Dubey G.; Vairakannu P.; Tiwari P.	Simulation study for identifying the mechanism of direct liquefaction of coal-related model compounds with methanol as solvent	2024	Reaction Kinetics, Mechanisms and Catalysis	137	3	1553	1576	23	10.1007/s11144-024-02591-4	Springer Science and Business Media B.V.	18785190		Scopus
1642	Article	Farhat Z.; Kumar A.; Das C.	Fabrication of used-tea embedded alginate beads for cationic dye remediation: Synergistic effect of surface adsorption and intraparticle diffusion	2024	Surfaces and Interfaces	51					10.1016/j.surfin.2024.104601	Elsevier B.V.	24680230		Scopus
1643	Article	Bharadwaj M.; Gaur A.	Photoluminescence Confocal Mapping of a Novel Nd3+/Yb3+: Zn2SiO4 Composite thin film on Si (100) Substrate Utilizing a 980 nm Pumping Source	2024	Journal of Fluorescence						10.1007/s10895-024-03850-2	Springer	10530509		Scopus

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1644	Review	Sood R.; Laishram B.	Challenges in Implementation of 7D-BIM for Infrastructure Asset Management: A Systematic Review	2024	Construction Economics and Building	24	3	95	117	22	10.5130/AJCEB.v24i3.8738	Australian Institute of Quantity Surveyors	22049029	All Open Access; Gold Open Access; Green Open Access	Scopus
1645	Article	Mandal P.; Kumar S.; Pandey A.; Katariya L.; Mondal A.; Bag A.	Unveiling structural and optical properties of Sn-doped β -Ga2O3: A correlation of experimental and theoretical observations	2024	Materials Science and Engineering: B	302					10.1016/j.mseb.2024.117266	Elsevier Ltd	9215107		Scopus
1646	Article	Mir K.B.; Chakraborty S.; Amin T.; Kumar A.; Rouf War A.; Nalli Y.; Kumar R.; Dinesh Kumar L.; Ali A.; Goswami A.	Canonical DDR activation by EMT inducing agent 5-Fluorouracil is modulated by a cannabinoid based combinatorial approach via inducing autophagy and suppression of vimentin expression	2024	Biochemical Pharmacology	223					10.1016/j.bcp.2024.116126	Elsevier Inc.	62952		Scopus
1647	Review	Ghosh S.; Bhuniya T.; Dey A.; Koley M.; Roy P.; Bera A.; Gol D.; Chowdhury A.; Chowdhury R.; Sen S.	An Updated Review on KRAS Mutation in Lung Cancer (NSCLC) and Its Effects on Human Health	2024	Applied Biochemistry and Biotechnology	196	7	4661	4678	17	10.1007/s12010-023-04748-8	Springer	2732289		Scopus
1648	Article	Singh G.; Karmakar S.	Addressing OSH challenges in non-standardized work practices in small-scale FMCG units by introducing context-specific ergonomic pouch/sachet cutting apparatus	2024	Work	79	3	1269	1290	21	10.3233/WOR-240096	IOS Press BV	10519815		Scopus
1649	Article	Kumar A.; Bharadwaj A.; Choudhury P.; Mathew S.P.; Jaganathan B.G.; Boruah B.R.	Tuning the excitation laser power in a stochastic optical reconstruction microscope for Alexa Fluor 647 dye in Vectashield mounting media	2024	Review of Scientific Instruments	95	8				10.1063/5.0217409	American Institute of Physics	346748		Scopus
1650	Article	Pimpalkar A.; Agrawal V.; Gautam S.S.	Development of a robust and integrable pre-processing tool for isogeometric analysis	2024	Sadhana - Academy Proceedings in Engineering Sciences	49	4				10.1007/s12046-024-02556-2	Springer	2562499		Scopus
1651	Article	Suresh Kumar N.; Padma Suvarna R.; Chandra Babu Naidu K.; Mohapatra P.P.; Dobbidi P.	X-band electromagnetic properties of hydrothermally synthesized La1-xBixTiO3 (x = 0.2–0.8) nanoparticles	2023	Inorganic Chemistry Communications	149					10.1016/j.inoche.2023.110408	Elsevier B.V.	13877003		Scopus

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1652	Article	Acer0 M.A.; Adamson P.; Aliaga L.; Anfimov N.; Antoshkin A.; Arrieta-Diaz E.; Asquith L.; Aurisano A.; Back A.; Baird M.; Balashov N.; Baldi P.; Bambah B.A.; Bashar S.; Bays K.; Bernstein R.; Bhatnagar V.; Bhattarai D.; Bhuyan B.; Bian J.; Booth A.C.; Bowles R.; Brahma B.; Bromberg C.; Buchanan N.; Butkevich A.; Calvez S.; Carroll T.J.; Catano-Mur E.; Childress S.; Chatla A.; Chirco R.; Choudhary B.C.; Christensen A.; Coan T.E.; Colo M.; Cremonesi L.; Davies G.S.; Derwent P.F.; Ding P.; Djurcic Z.; Dolce M.; Doyle D.; Dueñas Tonguino D.; Dukes E.C.; Ehrlich R.; Elkins M.; Ewart E.; Feldman G.J.; Filip P.; Franc J.; Frank M.J.; Gallagher H.R.; Gandrajula R.; Gao F.; Giri A.; Gomes R.A.; Goodman M.C.; Grichine V.; Groh M.; Group R.; Guo B.; Habig A.; Haki F.; Hall A.; Hartnell J.; Hatcher R.; Hausner H.; He M.; Heller K.; Hewes V.; Himmel A.; Jargowsky B.; Jarosz J.; Jediny F.; Johnson C.; Judah M.; Kakorin I.; Kaplan D.M.; Kalitkina A.; Keloth R.; Klimov O.; Koerner L.W.; Kolupaeva L.; Kotelnikov S.; Kralik R.; Kullenberg C.; Kubu M.; Kumar A.; Kuruppu C.D.; Kus V.; Lackey T.; Lang K.;	Measurement of the ve -Nucleus Charged-Current Double-Differential Cross Section at «ev »=2.4 GeV Using NOvA	2023	Physical Review Letters	130	5				10.1103/PhysRevLett.130.051802	American Physical Society	319007		Scopus
1653	Article	Brockmueller A.; Girisa S.; Kunnumakkara A.B.; Shakibaei M.	Resveratrol Modulates Chemosensitisation to 5-FU via β1-Integrin/HIF-1α Axis in CRC Tumor Microenvironment	2023	International Journal of Molecular Sciences	24	5				10.3390/ijms24054988	Multidisciplinary Digital Publishing Institute (MDPI)	16616596	All Open Access; Gold Open Access; Green Open Access	Scopus
1654	Article	Jose S.; Devi S.S.; Sajeev A.; Girisa S.; Alqahtani M.S.; Abbas M.; Alshammari A.; Sethi G.; Kunnumakkara A.B.	Repurposing FDA-approved drugs as FXR agonists: a structure based in silico pharmacological study	2023	Bioscience Reports	43	3				10.1042/BSR20212791	Portland Press Ltd	1448463	All Open Access; Gold Open Access; Green Open Access	Scopus
1655	Article	Jose J.; Bisen S.; Shaik P.; Biswas S.; Singh K.; Krejcar O.; Bhatia V.	Performance Analysis of IRS Assisted Full-Duplex Systems With Different Downlink and Uplink Users	2024	IEEE Transactions on Vehicular Technology	73	10	15848	15853	5	10.1109/TVT.2024.3414997	Institute of Electrical and Electronics Engineers Inc.	189545		Scopus
1656	Article	Parmar R.; Janveja M.; Pidanic J.; Trivedi G.	Design of DNN-Based Low-Power VLSI Architecture to Classify Atrial Fibrillation for Wearable Devices	2023	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	31	3	320	330	10	10.1109/TVLSI.2023.3236530	Institute of Electrical and Electronics Engineers Inc.	10638210		Scopus

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1657	Editorial	Sitharam T.G.	Foreword	2023	Artificial Intelligence and Data Science Based R and D Interventions: Proceedings of Nerc 2022			v	vi			Springer Nature			Scopus
1658	Editorial	Katiyar V.; Bag S.S.	North East Research Conclave 2022: Toward Sustainable Science and Technology	2023	Artificial Intelligence and Data Science Based R and D Interventions: Proceedings of Nerc 2022			xiii	xxiii			Springer Nature			Scopus
1659	Article	Chaemiso S.E.; Kartha S.A.; Pingale S.M.	Modelling the impact of hydrological parameter effect on streamflow due to futuristic climate change scenarios in the South Omo-Gibe River basin, Ethiopia	2023	Sustainable Water Resources Management	9	1				10.1007/s40899-022-00812-z	Springer Science and Business Media Deutschland GmbH	23635037		Scopus
1660	Review	Das A.; Debnath T.	Water-Triggered Chemical Transformation of Perovskite Nanocrystals	2023	Chemistry - A European Journal	29	5				10.1002/chem.202202475	John Wiley and Sons Inc	9476539		Scopus
1661	Article	Ariaeenejad S.; Kavousi K.; Zolfaghari B.; Roy S.; Koshiba T.; Hosseini Salekdeh G.	Efficient bioconversion of lignocellulosic waste by a novel computationally screened hyperthermostable enzyme from a specialized microbiota	2023	Ecotoxicology and Environmental Safety	252					10.1016/j.ecoenv.2023.114587	Academic Press	1476513	All Open Access; Gold Open Access	Scopus
1662	Article	Inkulu R.; Singh A.	Vertex fault-tolerant spanners for weighted points in polygonal domains	2023	Discrete Mathematics, Algorithms and Applications	15	2				10.1142/S1793830922500744	World Scientific	17938309	All Open Access; Green Open Access	Scopus
1663	Review	Agrawal M.K.; Singh P.; Mishra P.; Deb R.K.; Mohammed K.A.; Kumar S.; Kumar G.	A brief review on the perspective of a newer incremental sheet forming technique and its usefulness	2024	Advances in Materials and Processing Technologies	10	2	506	516	10	10.1080/2374068X.2023.2168288	Taylor and Francis Ltd.	2374068X		Scopus
1664	Article	Kumar A.	A Basic Two-Sector New Keynesian DSGE Model of the Indian Economy	2023	Theoretical and Practical Research in the Economic Fields	14	1	36	50	14	10.14505/tpref.v14.1(27).04	ASERS Publishing House	20687710	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus

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1665	Article	Acerio M.A.; Adamson P.; Aliaga L.; Anfimov N.; Antoshkin A.; Arrieta-Diaz E.; Asquith L.; Aurisano A.; Back A.; Baird M.; Balashov N.; Baldi P.; Bambah B.A.; Bashar S.; Bays K.; Behera B.; Bernstein R.; Bhatnagar V.; Bhattarai D.; Bhuyan B.; Bian J.; Blair J.; Booth A.C.; Bowles R.; Bromberg C.; Buchanan N.; Butkevich A.; Calvez S.; Carroll T.J.; Catano-Mur E.; Choudhary B.C.; Christensen A.; Coan T.E.; Colo M.; Cremonesi L.; Davies G.S.; Derwent P.F.; Ding P.; Djurcic Z.; Dolce M.; Doyle D.; Dueñas Tonguino D.; Dukes E.C.; Duyang H.; Edayath S.; Ehrlich R.; Elkins M.; Ewart E.; Feldman G.J.; Filip P.; Franc J.; Frank M.J.; Gallagher H.R.; Gandrajula R.; Gao F.; Giri A.; Gomes R.A.; Goodman M.C.; Grichine V.; Groh M.; Group R.; Guo B.; Habig A.; Hakl F.; Hall A.; Hartnell J.; Hatcher R.; Hausner H.; He M.; Heller K.; Hewes V.; Himmel A.; Holin A.; Huang J.; Jargowsky B.; Jarosz J.; Jediny F.; Johnson C.; Judah M.; Kakorin I.; Kalitkina A.; Kalra D.; Kaplan D.M.; Keloth R.; Klimov O.; Koerner L.W.; Kolupaeva L.; Kotelnikov S.; Kralik R.; Kullenberg Ch.; Kubu M.; Kumar A.; Kuruppu C.D.; Kus V.; Lackey T.; Lang	Measurement of the double-differential muon-neutrino charged-current inclusive cross section in the NOvA near detector	2023	Physical Review D	107	5				10.1103/PhysRevD.107.052011	American Physical Society	24700010			Scopus
1666	Article	Ananda Y.R.; Raj N.; Trivedi G.	A MOS-DTMOS Implementation of Floating Memristor Emulator for High-Frequency Applications	2023	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	31	3	355	368	13	10.1109/TVLSI.2022.3227201	Institute of Electrical and Electronics Engineers Inc.	10638210		Scopus	
1667	Review	Kumar A.; Girisa S.; Alqahtani M.S.; Abbas M.; Hegde M.; Sethi G.; Kunnumakkara A.B.	Targeting Autophagy Using Long Non-Coding RNAs (LncRNAs): New Landscapes in the Arena of Cancer Therapeutics	2023	Cells	12	5				10.3390/cells12050810	MDPI	20734409	All Open Access; Gold Open Access; Green Open Access	Scopus	
1668	Erratum	Khatoon E.; Hegde M.; Kumar A.; Daimary U.D.; Sethi G.; Bishayee A.; Kunnumakkara A.B.	Correction to: The multifaceted role of STAT3 pathway and its implication as a potential therapeutic target in oral cancer (Archives of Pharmacal Research, (2022), 45, 8, (507-534), 10.1007/s12272-022-01398-y)	2023	Archives of Pharmacal Research	46	3	206			10.1007/s12272-023-01434-5	Pharmaceutical Society of Korea	2536269	All Open Access; Bronze Open Access	Scopus	
1669	Article	Awasthi N.; Yadav R.; Kumar D.	Revealing metabolic path of Ketamine catalyzed by CYP450 via quantum mechanical approach	2023	Journal of Molecular Structure	1271					10.1016/j.molstruc.2022.134126	Elsevier B.V.	222860		Scopus	

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1671	Article	Das A.; Konwar M.; Das T.; Naskar A.; Murmu R.	Facile Installation of β -Hydroxyarylethylamino Motifs at the C2-Position of Quinoline Moiety via Copper Catalysed [3+3]-Cycloaddition Reaction of N-oxide with N-Ts Aziridine	2023	Synlett						10.1055/a-2184-4940	Georg Thieme Verlag	9365214		Scopus
1672	Article	Dharmesh T.A.; Kumar S.; Kulkarni V.	AEROTHERMODYNAMICS OF COMBINED SPIKE AND COUNTERFLOW JET TECHNIQUE FOR REACTING HYPERSONIC FLOWS	2023	Computational Thermal Sciences	15	2	49	64	15	10.1615/ComputThermalScien.2022043279	Begell House Inc.	19402503		Scopus
1673	Article	Raja B.D.; Patel V.K.; Yildiz A.R.; Kotecha P.	Performance of scientific law-inspired optimization algorithms for constrained engineering applications	2023	Engineering Optimization	55	10	1798	1812	14	10.1080/0305215X.2022.2127698	Taylor and Francis Ltd.	0305215X		Scopus
1674	Editorial	Guazzelli L.; Marrucho I.M.; Mu T.; Banerjee T.	Editorial: Ionic liquids and deep eutectic solvents: Two contrasting options or opposite sides of the same coin?	2023	Frontiers in Chemistry	11					10.3389/fchem.2023.1169688	Frontiers Media S.A.	22962646	All Open Access; Gold Open Access; Green Open Access	Scopus
1675	Article	Paul B.; Dey A.K.	An EM algorithm for absolutely continuous Marshall-Olkin bivariate Pareto distribution with location and scale	2023	Communications in Statistics: Simulation and Computation						10.1080/03610918.2023.2293644	Taylor and Francis Ltd.	3610918	All Open Access; Green Open Access	Scopus
1676	Article	Anurag N.; Nath S.	Switching Investigation of SiC MOSFET Based 4-Quadrant Switch	2023	IEEE Access	11		1094	1103	9	10.1109/ACCESS.2022.3232416	Institute of Electrical and Electronics Engineers Inc.	21693536	All Open Access; Gold Open Access	Scopus
1677	Article	Anilkumar P.; Pamu D.; Tiwari T.	Optimization Using Backtracking Search Algorithm for the Design of Magnetron Anode Block and Pill-Box RF Window	2023	IEEE Journal on Multiscale and Multiphysics Computational Techniques	8		314	321	7	10.1109/JMMCT.2023.3304970	Institute of Electrical and Electronics Engineers Inc.	23798793		Scopus
1678	Article	Hazarika N.; Barua A.; Vij S.; Deka A.; Salame L.	Collective deliberation or just the state (in)action: how do we change the hydrodiplomacy landscape in South Asia?	2023	Water Policy	25	1	15	22	7	10.2166/wp.2023.166	IWA Publishing	13667017	All Open Access; Gold Open Access	Scopus
1679	Article	Kumar V.; Mondal S.S.	L2-Lp estimates and Hilbert–Schmidt pseudo differential operators on the Heisenberg motion group	2023	Applicable Analysis	102	13	3533	3548	15	10.1080/00036811.2022.2078717	Taylor and Francis Ltd.	36811	All Open Access; Green Open Access	Scopus

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1680	Article	Bhattacharjee U.; Uppaluri R.V.S.	Production and optimization of Jeevamrutha bio-fertilizer formulations for soil fertility and its role in waste minimization	2023	Sustainable Chemistry for Climate Action	2					10.1016/j.scca.2023.100025	Elsevier B.V.	27728269	All Open Access; Gold Open Access	Scopus
1681	Review	Naliyadhara N.; Kumar A.; Kumar Gangwar S.; Nair Devanarayanan T.; Hegde M.; Alqahtani M.S.; Abbas M.; Sethi G.; Kunnumakara A.	Interplay of dietary antioxidants and gut microbiome in human health: What has been learnt thus far?	2023	Journal of Functional Foods	100					10.1016/j.jff.2022.105365	Elsevier Ltd	17564646	All Open Access; Gold Open Access	Scopus
1682	Review	Venkat R.; Verma E.; Daimary U.D.; Kumar A.; Girisa S.; Dutta U.; Ahn K.S.; Kunnumakkara A.B.	The Journey of Resveratrol from Vineyards to Clinics	2023	Cancer Investigation	41	2	183	220	37	10.1080/07357907.2022.2115057	Taylor and Francis Ltd.	7357907		Scopus
1683	Article	Nath M.; Mitra P.; Kumar D.	A novel residual learning-based deep learning model integrated with attention mechanism and SVM for identifying tea plant diseases	2023	International Journal of Computers and Applications	45	6	471	484	130	10.1080/1206212X.2023.223575	Taylor and Francis Ltd.	1206212X		Scopus
1684	Article	Kumar M.H.; Sharma S.; Deka K.; Thottappan M.	Reconfigurable Intelligent Surfaces Assisted Hybrid NOMA System	2023	IEEE Communications Letters	27	1	357	361	4	10.1109/LCOMM.2022.3211292	Institute of Electrical and Electronics Engineers Inc.	10897798		Scopus
1685	Article	Raveesh S.; Yadav V.K.S.; Paily R.	Microcantilever Printed CuO Single Nanowire Field-Effect Transistors for Sensing Applications	2023	IEEE Transactions on Nanotechnology	22		184	189	5	10.1109/TNANO.2023.3262279	Institute of Electrical and Electronics Engineers Inc.	1536125X		Scopus
1686	Article	Anilkumar P.; Pamu D.; Tiwari T.	Equivalent circuit approach for the design of hole and slot bare anode block of magnetron	2023	Journal of Electromagnetic Waves and Applications	37	3	411	427	16	10.1080/09205071.2022.2144768	Taylor and Francis Ltd.	9205071		Scopus
1687	Article	Hegde M.; Girisa S.; Kunnumakkara A.B.	A compilation of bioinformatic approaches to identify novel downstream targets for the detection and prophylaxis of cancer	2023	Advances in Protein Chemistry and Structural Biology	134		75	113	38	10.1016/bs.apcsb.2022.11.015	Academic Press Inc.	18761623		Scopus
1688	Review	Kumar R.; Dhar D.	Unraveling the Potential of Immersive Virtual Environments for Behavior Mapping in the Built Environment: A Mapping Review	2023	Human Behavior and Emerging Technologies	2023					10.1155/2023/8871834	Wiley-Hindawi	25781863	All Open Access; Gold Open Access	Scopus
1689	Article	Badashah S.J.; Basha S.S.; Ahamed S.R.; Subba Rao S.P.V.; Janardhan Raju M.; Mallikarjun M.	Taylor-Gorilla troops optimized deep learning network for surface roughness estimation	2023	Network: Computation in Neural Systems	34	4	221	249	287	10.1080/0954898X.2023.223758	Taylor and Francis Ltd.	0954898X		Scopus
1690	Article	Atchuta Rao C.; Krishna Murthy K.S.R.; Chakraborty D.	Enhancement of resistance to interfacial delamination in carbon/epoxy laminates with part-through-the-width ply break by adding CNTs to adhesive	2023	Journal of Adhesion Science and Technology	37	4	721	739	18	10.1080/01694243.2022.2039439	Taylor and Francis Ltd.	1694243		Scopus
1691	Article	Roy S.; Saha R.; Sarkar S.; Mehera R.; Pal R.K.; Bandyopadhyay S.K.	Brain Tumour Segmentation Using S-Net and SA-Net	2023	IEEE Access	11		28658	28679	21	10.1109/ACCESS.2023.3257722	Institute of Electrical and Electronics Engineers Inc.	21693536	All Open Access; Gold Open Access	Scopus

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1692	Article	Baruah A.; Sarma A.K.	Performance of conservative and non-conservative two-dimensional shallow water models in wavy riverbed	2023	International Journal of Hydrology Science and Technology	15	3	265	277	12	10.1504/IJHST.2023.130106	Inderscience Publishers	20427808		Scopus
1693	Article	Yadav I.J.; Chauhan B.S.; Singh P.; Agrawal M.K.	Granular material drying and energy analysis of a scaled-up rotating fluidized bed dryer of fixed geometry	2023	Materials Today: Proceedings						10.1016/j.matpr.2023.02.122	Elsevier Ltd	22147853		Scopus
1694	Article	Bhattacharjee P.; Mishra H.; Iyer P.K.; Nemade H.B.	Efficient Monolithic SAW Convolver Using Poly(3-Hexylthiophene)	2023	IEEE Transactions on Instrumentation and Measurement	72					10.1109/TIM.2023.3243613	Institute of Electrical and Electronics Engineers Inc.	189456		Scopus
1695	Article	Chakraborty M.; Sangineni R.; Baruah N.; Nayak S.K.	A Sandwich Layer Method for Moisture Extraction in Transformer Insulating Oils Using Metal Organic Frameworks	2023	IEEE Transactions on Instrumentation and Measurement	72					10.1109/TIM.2023.3298388	Institute of Electrical and Electronics Engineers Inc.	189456		Scopus
1696	Article	Das S.; Jyotishi D.; Dandapat S.	Automated Detection of Heart Valve Diseases Using Stationary Wavelet Transform and Attention-Based Hierarchical LSTM Network	2023	IEEE Transactions on Instrumentation and Measurement	72					10.1109/TIM.2023.3270974	Institute of Electrical and Electronics Engineers Inc.	189456		Scopus
1697	Article	Raveesh S.; Yadav V.K.S.; Daniel T.T.; Paily R.	CuO Single-Nanowire Printed Devices for Volatile Organic Compounds (VOCs) Detection	2023	IEEE Transactions on Nanotechnology	22		387	392	5	10.1109/TNANO.2023.3294131	Institute of Electrical and Electronics Engineers Inc.	1536125X		Scopus
1698	Article	Nair N.; Shyam S.; Mondal P.K.; Bhatnagar S.P.	Probing into the Drying Pattern Dynamics of a Ferrofluid Droplet under the Actuation of Magnetic Field	2023	IEEE Transactions on Magnetics	59	1				10.1109/TMAG.2022.3179587	Institute of Electrical and Electronics Engineers Inc.	189464		Scopus
1699	Article	Bharadwaj N.; Edara P.; Sun C.	Analyzing the Effect of Distractions and Impairments on Young Driver Safety Using Naturalistic Driving Study Data	2023	Journal of Transportation Engineering Part A: Systems	149	1				10.1061/JTEPBS/TEENG-7265	American Society of Civil Engineers (ASCE)	24732907		Scopus
1700	Article	Das, M; Bhuyan, MK; Sharma, LN	Time-Frequency Learning Framework for rPPG Signal Estimation Using Scalogram-Based Feature Map of Facial Video Data	2023	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	72					10.1109/TIM.2023.3287243	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9456		WoS
1701	Review; Early Access	Dmello, V; Hussain, D	Cultural Differences in Factors that Influence the Well-Being of Older People: A Narrative Review	2023	HUMAN ARENAS						10.1007/s42087-023-00386-y	SPRINGER NATURE	2522-5790		WoS
1702	Review	Hazarika, J; Gupta, A; Rajaraman, PV	Review-Post-Chemical Mechanical Planarization Cleaning Technology	2023	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	12	11				10.1149/2162-8777/acfc64	ELECTROCHEMICAL SOC INC	2162-8769		WoS
1703	Article	Sarma, PJ; Mohanty, K	Effect of photoperiod, light source, growing media, anode placement and setup design on performance of plant microbial fuel cells (PMFCs) with oxygen reducing microalgal bio-cathode	2024	BIOMASS CONVERSION AND BIOREFINERY	14	18	21881	21893		10.1007/s13399-023-04265-y	SPRINGER HEIDELBERG	2190-6815		WoS
1704	Article; Early Access	Daimary, JS; Saikia, P	Insurgent movements and paths to negotiation: a case study of the National Democratic Front of Boroland (NDFB) in India's northeast	2023	SMALL WARS AND INSURGENCIES						10.1080/09592318.2023.2246613	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	0959-2318		WoS

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1705	Article	Dongre, A; Trivedi, G	RRAM-Based Energy Efficient Scalable Integrate and Fire Neuron With Built-In Reset Circuit	2023	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II- EXPRESS BRIEFS	70	3	909	913		10.1109/TCSII.2022.3219203	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1549-7747		WoS
1706	Article	Verma, K; Moholkar, VS	Investigations in Sonoenzymatic Treatment of Industrial Wastewater Using Fe3O4@Laccase Nanocomposites	2024	ACS ES&T WATER	4	4	1637	1646		10.1021/acsestwater.3c00697	AMER CHEMICAL SOC			WoS
1707	Review	Narayanan, VL	Reinforcement learning in wind energy - a review	2024	INTERNATIONAL JOURNAL OF GREEN ENERGY	21	9	1945	1968		10.1080/15435075.2023.2281329	TAYLOR & FRANCIS INC	1543-5075		WoS
1708	Book Review	Bhattacharyya, R	Semiotics of rape: sexual subjectivity and violation in rural India	2024	ASIAN STUDIES REVIEW	48	2	438	439		10.1080/10357823.2023.2260520	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	1035-7823		WoS
1709	Article	Kundu, A; Maity, D	Archimedean toroidal maps and their edge covers	2024	FORUM MATHEMATICUM	36	2	469	493		10.1515/forum-2023-0168	WALTER DE GRUYTER GMBH	0933-7741	Green Submitted	WoS
1710	Article; Early Access	Acharya, S; Kishore, N	Investigation of the synergistic effects of temperature and feedstock-to-solvent ratio on co-liquefaction of Citrus limetta pulp and peel wastes	2023	BIOMASS CONVERSION AND BIOREFINERY						10.1007/s13399-023-05181-x	SPRINGER HEIDELBERG	2190-6815		WoS
1711	Article	Gavande, PV; Goyal, A	Molecular dynamics-based structural insights of the first putative endoglucanase, PsGH5A of glycoside hydrolase family 5 from Pseudopedobacter saltans	2023	JOURNAL OF MOLECULAR MODELING	29	6				10.1007/s00894-023-05575-8	SPRINGER	1610-2940		WoS
1712	Article	Nath, A; Kapoor, HK	CADEN: Compression-Assisted Adaptive Encoding to Improve Lifetime of Encrypted Nonvolatile Main Memories	2023	IEEE EMBEDDED SYSTEMS LETTERS	15	1	45	48		10.1109/LES.2022.3193780	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1943-0663		WoS
1713	Article	Rao, CA; Murthy, KSRK; Chakraborty, D	Improving resistance to embedded delaminations by adding CNTs to epoxy in carbon/(epoxy plus CNT) composites	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS	238	9	1714	1729		10.1177/14644207241230234	SAGE PUBLICATIONS LTD	1464-4207		WoS
1714	Article	Khurshid, MN; Das, D; Mahanta, A	Pattern and drivers of profitability in India's unorganised manufacturing sector	2025	REVIEW OF SOCIAL ECONOMY	83	2	215	236		10.1080/00346764.2023.2289438	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	0034-6764		WoS
1715	Article	Khan, MRUZ; Trivedi, V	Phytochemical Crosstalk in Indian Gooseberry Preparation to Explain Therapeutic Potentials of Dietary Supplements	2023	PHARMACOGNOSY RESEARCH	15	4	716	726		10.5530/pres.15.4.076	PHCOG NET	0974-8490	hybrid	WoS
1716	Article	Sarmah, M; Deb, SK; Dutta, A	Rehabilitation of Severely Damaged RC Bridge Piers: Experimental and Numerical Investigation	2024	JOURNAL OF EARTHQUAKE ENGINEERING	28	7	1951	1980		10.1080/13632469.2023.2259018	TAYLOR & FRANCIS LTD	1363-2469		WoS

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1717	Article; Early Access	Das, B	Hundred Years of Chargola Exodus: Changes and Continuity in the Tea Plantations in Eastern India	2023	CONTEMPORARY VOICE OF DALIT						10.1177/2455328X231169637	SAGE PUBLICATIONS INC	2455-328X		WoS
1718	Article	Srivastava, T; Basu, DN	Numerical investigation of the microdynamics of the initiation of motion and startup transients in a supercritical natural circulation loop	2024	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	224					10.1016/j.ijheatmasstransfer.2024.125289	PERGAMON-ELSEVIER SCIENCE LTD	0017-9310		WoS
1719	Article	Panda, C; Sharma, LG; Pandey, LM	Experimental procedures to investigate fibrillation of proteins	2023	METHODSX	11					10.1016/j.mex.2023.102445	ELSEVIER		gold, Green Published	WoS
1720	Article	Bhattarai, S	Highly efficient lead-free perovskite solar cells design through SCAPS-1D simulations	2024	INDIAN JOURNAL OF PHYSICS	98	6	2015	2021		10.1007/s12648-023-02977-5	INDIAN ASSOC CULTIVATION SCIENCE	0973-1458		WoS
1721	Book Review	Jairath, V; Nair, G	Set Adrift: Capitalist Transformations and Community Politics along Mumbai's Shore	2023	CONTRIBUTIONS TO INDIAN SOCIOLOGY	57	1-2	173	175		10.1177/00699659231208801	SAGE PUBLICATIONS INDIA PVT LTD	0069-9659		WoS
1722	Article	Baruah, KN; Singha, S; Mukherjee, P; Uppaluri, RVS	Optimization of the enzymatic extraction of catechins from Assam tea leaves	2024	BIOMASS CONVERSION AND BIOREFINERY	14	19	24407	24425		10.1007/s13399-023-04684-x	SPRINGER HEIDELBERG	2190-6815		WoS
1723	Article	Jadhav, SS; Kalita, PC	Service development process: an integrated perspective in developing a service process for e-commerce	2023	INTERNATIONAL JOURNAL OF SERVICES TECHNOLOGY AND MANAGEMENT	28	3-4	185	204		10.1504/IJSTM.2023.131713	INDERSCIENCE ENTERPRISES LTD	1460-6720		WoS
1724	Article	Nagraj, MS; Maharana, D; Kotecha, P; Anandalakshmi, R	Thermoeconomic and environmental analyses based single objective optimization of subcooled compression-absorption cascaded refrigeration system using evolutionary techniques	2023	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	45	4	10764	10788		10.1080/15567036.2023.2244909	TAYLOR & FRANCIS INC	1556-7036		WoS
1725	Article	Sen, T; Mallick, S; Kipgen, N	Prohibition on tradition, tattooing, and the Apatanis of Arunachal Pradesh	2023	ASIAN JOURNAL OF SOCIAL SCIENCE	51	1	54	61		10.1016/j.ajss.2022.07.002	ELSEVIER	1568-4849	Bronze	WoS
1726	Article	Chaudhuri, NB; Dhar, D	Designing deep-network based novelty assessment model in Design education	2023	APPLIED SOFT COMPUTING	134					10.1016/j.asoc.2022.109966	ELSEVIER	1568-4946		WoS
1727	Article	Manohar, SS; Kapoor, HK	CAPMIG: Coherence-Aware Block Placement and Migration in Multiretention STT-RAM Caches	2023	IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS	42	2	411	422		10.1109/TCAD.2022.3175242	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0278-0070		WoS
1728	Article	Bhattacharya, S; Biswas, U; Damkondwar, S; Yadav, B	Real-time ICT-based interactive learning analytics to facilitate blended classrooms	2024	CURRENT SCIENCE	126	1				10.1007/s10639-023-12327-x	INDIAN ACAD SCIENCES	0011-3891		WoS
1729	Article	Mahanta, B; Sarma, AK; Kakoty, SK	Harmonising Stakeholders' Perspectives: a Watershed Project Desirability Index	2024	WATER CONSERVATION SCIENCE AND ENGINEERING	9	1				10.1007/s41101-024-00242-2	SPRINGERNATURE	2366-3340		WoS
1730	Article; Early Access	Singh, B; Sur, A; Mitra, P	Multi-contextual design of convolutional neural network for steganalysis	2024	MULTIMEDIA TOOLS AND APPLICATIONS						10.1007/s11042-024-18545-w	SPRINGER	1380-7501		WoS

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1731	Article	Das, S; Baro, RK; Kotecha, P; Anandalakshmi, R	Numerical studies on thermal processing of solid, liquid, and solid-liquid food products: A comprehensive analysis	2023	JOURNAL OF FOOD PROCESS ENGINEERING	46	12				10.1111/jfpe.14484	WILEY	0145-8876		WoS
1732	Article	Pathak, D; Nandi, S; Sarmah, P	Reduplication in Assamese: Identification and Modeling	2022	ACM TRANSACTIONS ON ASIAN AND LOW-RESOURCE LANGUAGE INFORMATION PROCESSING	21	5				10.1145/3510419	ASSOC COMPUTING MACHINERY	2375-4699		WoS
1733	Article	Gupta, MK; Senthilkumar, S; Rangan, L	3, 5-Dihydroxy 4', 7-dimethoxyflavone-DNA interaction study for nucleic acid detection and differential cell staining	2024	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	261					10.1016/j.ijbiomac.2024.129713	ELSEVIER	0141-8130		WoS
1734	Article	Tadi, SRR; Mukherjee, S; Sekhar, S; Ramesh, A; Sivaprakasam, S	Valorization and Kinetic Modelling of Pediocin Production from Agro and Dairy Industrial Residues by Pediococcus pentosaceus CRA51	2024	WASTE AND BIOMASS VALORIZATION	15	4	2099	2120		10.1007/s12649-023-02257-7	SPRINGER	1877-2641		WoS
1735	Article	Mohammed, N; Katari, JK; Das, D	Overproduction of poly-β-hydroxybutyrate in Methylosinus trichosporium 11131 as degradable food packaging material utilizing methane	2024	BIOMASS CONVERSION AND BIOREFINERY	14	18	21963	21978		10.1007/s13399-023-04277-8	SPRINGER HEIDELBERG	2190-6815		WoS
1736	Article	Mukherjee, U; Venkataraman, P	Re-evaluating the Alignment of Omnivorous Choice and Animal Farming with Sustainable Development: Insights from Care Ethics	2024	PROBLEMY EKOROZWOJU	19	1	325	329		10.35784/preko.5324	POLITECHNIKA LUBELSKA	1895-6912	hybrid	WoS
1737	Article	Anna, VABK; Darlong, T; Chunchu, M	Analysis and Modelling of Acceleration Behavior on the Horizontal Curves of Two-Lane Undivided Rural Highways Passing Through Mountainous Terrain	2024	TRANSPORTATION IN DEVELOPING ECONOMIES	10	1				10.1007/s40890-023-00193-8	SPRINGER INT PUBL AG	2199-9287		WoS
1738	Article	Dutta, N; Dhar, D	Investigating Usability of Conversational User Interfaces for Integrated System-Physical Interactions: A Medical Device Perspective	2025	INTERNATIONAL JOURNAL OF HUMAN-COMPUTER INTERACTION	41	1	271	304		10.1080/10447318.2023.2298534	TAYLOR & FRANCIS INC	1044-7318		WoS
1739	Article	Sarkar, S; Saha, P	Liquid Membrane-based Extraction of Arsenic: Part 2-Optimization through Statistical and Machine Learning Approach	2024	PHYSICAL CHEMISTRY RESEARCH	12	2	525	547		10.22036/pcr.2023.406044.2371	IRANIAN CHEMICAL SOC	2322-5521		WoS
1740	Article	Biswas, S; Pattader, PSG; Mandal, TK	Three-dimensional simulation of dripping and jetting phenomenon in a flow-focusing geometry	2024	ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING	19	3				10.1002/apj.3051	WILEY	1932-2135		WoS
1741	Article	Ingtipi, K; Choudhury, BJ; Moholkar, VS	Ultrasound assisted lignin-decorated MWCNT doped flexible PVA-Chitosan composite hydrogel	2023	MATERIALS TODAY COMMUNICATIONS	35					10.1016/j.mtcomm.2023.105676	ELSEVIER			WoS

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1742	Article	Sarkar, S; Saha, P	Liquid Membrane-based Extraction of Arsenic: Part 1 - Experimental Study and Mathematical Modelling	2024	PHYSICAL CHEMISTRY RESEARCH	12	2	483	504		10.22036/pcr.2023.405794.2370	IRANIAN CHEMICAL SOC	2322-5521		WoS
1743	Article	Kommadath, R; Maharana, D; Kotecha, P; Anandalakshmi, R	An efficient optimization strategy for vapor compression-absorption-based cascaded refrigeration system using various evolutionary techniques	2024	INTERNATIONAL JOURNAL OF GREEN ENERGY	21	6	1185	1200		10.1080/15435075.2023.2244049	TAYLOR & FRANCIS INC	1543-5075		WoS
1744	Article	Bardhan, A; Subbiah, S; Mohanty, K	Optimisation of multi-component inorganic salt composition as draw solute for preparation of concentrated tea extract using forward osmosis process	2023	FOOD AND BIOPRODUCTS PROCESSING	138		126	138		10.1016/j.fbp.2023.01.007	ELSEVIER	0960-3085		WoS
1745	Article	Saha, B; Koley, S; Khwairakpam, M; Kalamdhad, AS	Comparative study between mono-digestion and co-digestion of terrestrial weed (Parthenium hysterophorus)	2022	CLEANER ENGINEERING AND TECHNOLOGY	11					10.1016/j.clet.2022.100560	ELSEVIER	2666-7908		WoS
1746	Article	Ravi, R; Golder, AK	Efficient recovery of TiO2 and Pt-doped TiO2 photocatalysts in wastewater treatment using a pilot-scale cross-flow ultrafiltration membrane system	2024	SEPARATION AND PURIFICATION TECHNOLOGY	339					10.1016/j.seppur.2024.126710	ELSEVIER	1383-5866		WoS
1747	Article	Verma, K; Moholkar, VS	Mineralization of Industrial Wastewater by a Hybrid Technique of Adsorption (Fe3O4@AC Nanocomposite) plus Heterogeneous Fenton plus Sonication and Discernment of Synergistic Effects	2023	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	62	45	18892	18905		10.1021/acs.iecr.3c00427	AMER CHEMICAL SOC	0888-5885		WoS
1748	Article	Agarwalla, A; Mohanty, K	Fabrication and characterization of low-cost kaolin based tubular ceramic membrane for microalgal harvesting	2024	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	12	2				10.1016/j.jece.2024.112089	ELSEVIER SCI LTD	2213-2929		WoS
1749	Article	Kumar, K; Barbora, L; Moholkar, VS	Genomic insights into clostridia in bioenergy production: Comparison of metabolic capabilities and evolutionary relationships	2024	BIOTECHNOLOGY AND BIOENGINEERING	121	4	1298	1313		10.1002/bit.28610	WILEY	0006-3592		WoS
1750	Article	Khan, MRUZ; Trivedi, V	Molecular modelling, docking and network analysis of phytochemicals from Haritaki churna: role of protein cross-talks for their action	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	42	8	4297	4312		10.1080/07391102.2023.2220036	TAYLOR & FRANCIS INC	0739-1102		WoS
1751	Article	Unnikrishnan, J; Hegde, M; Girisa, S; Satpati, P; Kunnumakkara, AB	Ellagic Acid-Gold Nanoparticle Complex as Anticancer Agent in Triple-Negative Breast Cancer Cells	2024	NANO LIFE	14	2				10.1142/S179398442450003X	WORLD SCIENTIFIC PUBL CO PTE LTD	1793-9844		WoS
1752	Article	Ganapathi, P; Sorathia, K	User elicited gesture-based locomotion techniques for immersive VEs in a seated position: a comparative evaluation	2023	FRONTIERS IN VIRTUAL REALITY	4					10.3389/frvir.2023.1169654	FRONTIERS MEDIA SA		gold	WoS

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1753	Article	Kommadath, R; Maharana, D; Kotecha, P	A metaheuristic-based efficient strategy for multi-unit production planning with unique process constraints	2023	APPLIED SOFT COMPUTING	134					10.1016/j.asoc.2022.109871	ELSEVIER	1568-4946		WoS
1754	Article	Moktan, S; Rotta, MKV; Halder, S; Pradhan, P; Kancharla, PK	ortho-[1-(p-MeOPhenyl)vinyl]benzoate PMPVB as a recyclable auxiliary for C-O and C-S bond formation reactions under Bronsted acid catalysis	2023	ORGANIC & BIOMOLECULAR CHEMISTRY	21	29	5929	5934		10.1039/d3ob00839h	ROYAL SOC CHEMISTRY	1477-0520		WoS
1755	Review	Hazra, S; Hazarika, R; Patra, S	Multitargeting: An Alternative Approach to Tackle Multidrug Resistance in Tuberculosis	2023	CURRENT DRUG TARGETS	24	9	751	775		10.2174/1389450124666230505145335	BENTHAM SCIENCE PUBL LTD	1389-4501		WoS
1756	Article	Kulkarni, ND; Saha, A; Kumari, P	Utilizing multicriteria decision-making approach for material selection in hybrid polymer nanocomposites for energy-harvesting applications	2024	POLYMER COMPOSITES	45	7	6264	6277		10.1002/pc.28194	WILEY	0272-8397		WoS
1757	Article	Singh, P; Dogra, P; Kalamdhad, AS	Sugarcane bagasse and cow dung pelletization in varied food-to-microorganism ratios for biogas generation	2024	INDUSTRIAL CROPS AND PRODUCTS	210					10.1016/j.indcrop.2024.118120	ELSEVIER	0926-6690		WoS
1758	Article	Nayak, N; Ravi, S	Investigation of conventional exchange bias in (Nd1-xHox)2CoMnO6 (x=0.0-0.4) double perovskite	2023	SOLID STATE SCIENCES	146					10.1016/j.solidstatesciences.2023.107370	ELSEVIER	1293-2558		WoS
1759	Article	Behera, BK; Arandhara, PJ; Porashar, B; Bora, SK; Saikia, AK	Base-Promoted [4+2] Annulation Reaction of In Situ-Generated Azadienes from N-Propargylamines with Active Methylene Compounds: Access to Highly Functionalized 2-Pyridones	2023	JOURNAL OF ORGANIC CHEMISTRY	88	21	15041	15059		10.1021/acs.joc.3c01478	AMER CHEMICAL SOC	0022-3263		WoS
1760	Article	Pegu, OA; Moral, R; Das, G	Anion-Induced Intramolecular Cyclization of Urea-Based Receptors: Entrapment of Cyclic [SO4(H2O)4 2-] n Cluster and Encapsulation of Anions with Varied Dimensionality	2023	CRYSTAL GROWTH & DESIGN	23	11	8370	8380		10.1021/acs.cgd.3c01029	AMER CHEMICAL SOC	1528-7483		WoS
1761	Article	Ananda, YR; Satyanarayan, GS; Trivedi, G	A High Frequency MOS-Based Floating Charge-Controlled Memcapacitor Emulator	2023	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS	70	3	1189	1193		10.1109/TCSII.2022.3221334	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1549-7747		WoS
1762	Article	Barman, J; Kumar, B	Flow in multi-layered vegetated compound channels with different bank slopes	2023	PHYSICS OF FLUIDS	35	3				10.1063/5.0142400	AIP Publishing	1070-6631		WoS
1763	Article	Pankaj, P; Tiwari, A; Dhara, LN; Medhi, T; Biswas, P	Dissimilar Friction Stir Joining of Aluminum Alloy and Stainless Steel: A Study on the Intermetallic Compound Formation, Microstructure, and Mechanical Properties of the Joints	2023	JOURNAL OF TESTING AND EVALUATION	51	2	588	619		10.1520/JTE20210780/	AMER SOC TESTING MATERIALS	0090-3973		WoS

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1764	Article	Shikari, A; Parida, C; Pan, SC	Catalytic Asymmetric Dearomatization of 2,3-Disubstituted Indoles by a [4+2] Cycloaddition Reaction with In Situ Generated Vinylidene ortho-Quinone Methides: Access to Polycyclic Fused Indolines	2024	ORGANIC LETTERS	26	24	5057	5062		10.1021/acs.orglett.4c00557	AMER CHEMICAL SOC	1523-7060		WoS
1765	Article	Barik, SK; Narayanan, RG; Sahoo, N	Implementation of Fracture and Flow Stress Models for AA5052-H32 Sheet Deformed Through Shock Tube-Based Forming Technique	2024	JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME	146	1				10.1115/1.4063060	ASME	0094-4289		WoS
1766	Article	Das, M; Bhattacharjya, RK; Kartha, SA	ANN-SFLA based parameter estimation method for an unsaturated-saturated simulation model	2024	MODELING EARTH SYSTEMS AND ENVIRONMENT	10	1	751	765		10.1007/s40808-023-01797-0	SPRINGER HEIDELBERG	2363-6203		WoS
1767	Article	Ali, A; Faraz, S; Khan, A	L-Proline-catalysed synthesis of 2-aryl-2H,5Hthiopyrano[2,3-b]thiochromen-5-ones from 4-hydroxydithiocoumarins and cinnamaldehyde derivatives	2024	ORGANIC & BIOMOLECULAR CHEMISTRY	22	7	1426	1433		10.1039/d3ob02051g	ROYAL SOC CHEMISTRY	1477-0520		WoS
1768	Article	Pal, D; Dey, A; Dasgupta, K	Assessment of p-y response of a laterally loaded single pile embedded in two-layered cohesionless substrata with inclined interface	2023	INTERNATIONAL JOURNAL OF GEOTECHNICAL ENGINEERING	17	6	594	606		10.1080/19386362.2023.2297497	TAYLOR & FRANCIS LTD	1938-6362		WoS
1769	Article	Bharti, RR; Dwivedy, SK	Adaptive nonsingular fast terminal sliding mode control for the tracking control of underactuated autonomous underwater vehicles	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING	238	5	929	942		10.1177/09596518231204799	SAGE PUBLICATIONS LTD	0959-6518		WoS
1770	Article	Bhattacharjee, R; Datta, S; Biswas, P	Thermomechanical and Material Flow Analysis during Friction Stir Welding of Marine Grade Aluminum Alloy 5083	2023	JOURNAL OF SHIP PRODUCTION AND DESIGN	39	1	1	24		10.5957/JSPD.02220010	SOC NAVAL ARCHITECTS & MARINE ENGINEERS	2158-2866		WoS
1771	Article	Arfa, N; Parmar, PR; Bandyopadhyay, D	Self-Organized Synthesis of Nanoserpent Clusters on Templated Starch for Sensitive Detection of Pancreatic α -Amylase	2024	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	12	13	5075	5085		10.1021/acssuschemeng.3c06403	AMER CHEMICAL SOC	2168-0485		WoS
1772	Article	Kar, RK	An idea to explore: Cultivating the art of proposal writing among graduate students	2024	BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION	52	3	369	372		10.1002/bmb.21822	WILEY	1470-8175		WoS
1773	Article	Dhara, LN; Biswas, P	Influence of Induction Preheating and Post Weld Heat Treatment for Reducing Delta Ferrite Content and Improving Mechanical Properties of Induction Assisted Gas Metal Arc Welding of Modified 9Cr-1MoV Steel	2025	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	34	2	1149	1168		10.1007/s11665-024-09161-8	SPRINGER	1059-9495		WoS

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1774	Article	Barman, D; Majhi, BR	Are multiple reflecting boundaries capable of enhancing entanglement harvesting?	2023	PHYSICAL REVIEW D	108	8				10.1103/PhysRevD.108.085007	AMER PHYSICAL SOC	2470-0010	Green Submitted	WoS
1775	Article	Bansal, S; Natesan, S	Richardson extrapolation technique for generalized Black-Scholes PDEs for European options	2023	COMPUTATIONAL & APPLIED MATHEMATICS	42	5				10.1007/s40314-023-02372-0	SPRINGER HEIDELBERG	2238-3603		WoS
1776	Article; Proceedings Paper	Rajput, AS; Das, M; Kapil, S	Optimization of surface roughness parameters in Hybrid-Chemo Magnetorheological Finishing (HC-MRF) process using Response Surface Methodology and Genetic Algorithm	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	238	8	3273	3286		10.1177/09544062231175783	SAGE PUBLICATIONS LTD	0954-4062		WoS
1777	Article	Dongre, A; Trivedi, G	Variation Tolerant RRAM Based Synaptic Architecture for On-Chip Training	2023	IEEE TRANSACTIONS ON NANOTECHNOLOGY	22		436	444		10.1109/TNANO.2023.3298962	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1536-125X		WoS
1778	Article	Mohan, M; Saha, UK	Evolving a Novel Blade Shape of a Savonius Wind Rotor Using an Optimization Technique Coupled With Numerical Simulations and Wind Tunnel Tests	2024	JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME	146	4				10.1115/1.4064529	ASME	0195-0738		WoS
1779	Article	Bhar, B; Das, E; Manikumar, K; Mandal, BB	3D Bioprinted Human Skin Model Recapitulating Native-Like Tissue Maturation and Immunocompetence as an Advanced Platform for Skin Sensitization Assessment	2024	ADVANCED HEALTHCARE MATERIALS	13	15				10.1002/adhm.202303312	WILEY	2192-2640		WoS
1780	Article	Naik, AP; Norbu, T; Pekkat, S	Comparison of flux-based and head-based methods for determination of near-surface saturated hydraulic conductivity	2024	HYDROLOGICAL SCIENCES JOURNAL	69	3	275	293		10.1080/02626667.2024.2305745	TAYLOR & FRANCIS LTD	0262-6667		WoS
1781	Article	Lahiri, S; Basu, S	Second order topology in a band engineered Chern insulator	2024	SCIENTIFIC REPORTS	14	1				10.1038/s41598-024-52321-y	NATURE PORTFOLIO	2045-2322	gold	WoS
1782	Article	Choudhury, P; Boruah, BR	Localization and Image Reconstruction in a STORM Based Super-resolution Microscope	2024	IMAGE PROCESSING ON LINE	14		64	85		10.5201/ipol.2024.496	IMAGE PROCESSING ONLINE-IPOL	2105-1232	gold	WoS
1783	Article	Siram, O; Barhate, SC; Sahoo, N	Spiral Polar Plot (SPP) Analogy to Dictate the Two-Dimensional Depiction of Helical Vortex Lines	2024	INTERNATIONAL JOURNAL OF ADVANCES IN ENGINEERING SCIENCES AND APPLIED MATHEMATICS	16	2	166	175		10.1007/s12572-023-00353-4	SPRINGER INDIA	0975-0770		WoS
1784	Article	Panda, S; Hazra, B	Stochastic dynamics on manifolds based on novel geometry preserving Ito-Taylor scheme	2023	JOURNAL OF SOUND AND VIBRATION	550					10.1016/j.jsv.2023.117599	ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD	0022-460X		WoS
1785	Article	Maji, S; Natesan, S	Analytical and numerical solutions of time-fractional advection-diffusion-reaction equation	2023	APPLIED NUMERICAL MATHEMATICS	185		549	570		10.1016/j.apnum.2022.12.013	ELSEVIER	0168-9274		WoS

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1786	Article	Adhikari, S; Dhongde, NR; Talukdar, MK; Khan, S; Rajaraman, PV	Investigation of Carbon Steels (API 5L X52 and API 5L X60) Dissolution CO2-H2S Solutions in the Presence of Acetic Acid: Mechanistic Reaction Pathway and Kinetics	2024	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	49	6	8363	8381		10.1007/s13369-024-08812-1	SPRINGER HEIDELBERG	2193-567X		WoS
1787	Review	Bag, SS; Banerjee, A; Sinha, S	Expansion of Genetic Alphabets: Designer Nucleobases and Their Applications	2024	SYNLETT	35	11	1195	1227		10.1055/a-2219-6680	GEORG THIEME VERLAG KG	0936-5214		WoS
1788	Article	Gangwar, MS; Agarwal, P	Enhancement in the Performance of a-Si:H Thin-Film Solar Cells by Light Trapping from Plasmonic Back Reflector	2024	PLASMONICS	19	5	2595	2604		10.1007/s11468-024-02191-x	SPRINGER	1557-1955		WoS
1789	Article	Das, N; Das, SJ; Borah, D	Thermalized dark radiation in the presence of a PBH: ΔNeff and gravitational waves complementarity	2023	PHYSICAL REVIEW D	108	9				10.1103/PhysRevD.108.095052	AMER PHYSICAL SOC	2470-0010	hybrid	WoS
1790	Article	Kumar, L; Panda, B; Muthu, N	A simple potential energy formulation for 3D concrete printed structures considering the shear effects in the build direction	2024	PROGRESS IN ADDITIVE MANUFACTURING	9	4	1151	1159		10.1007/s40964-023-00509-5	SPRINGERNATURE	2363-9512		WoS
1791	Article	Das, S; Narayanan, RG	Bending, Material Flow, and Microstructural Analyses of Friction Stir Spot Welded AA/Steel Joints using a Consumable Sheet through Experiments and Finite Element Simulations	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	33	21	11736	11762		10.1007/s11665-023-08790-9	SPRINGER	1059-9495		WoS
1792	Article	Haldar, V; Pal, S	Influence of Fusion Zone Metallurgy on the Mechanical Behavior of Ni-Based Superalloy and Austenitic Stainless Steel Dissimilar Joint	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	33	12	5735	5753		10.1007/s11665-023-08335-0	SPRINGER	1059-9495		WoS
1793	Article	Biswas, A; Chakraborty, S	Organics and coliform removal from low strength domestic wastewater using integrated constructed wetland-microbial fuel cell reactor with bioelectricity generation	2023	JOURNAL OF CLEANER PRODUCTION	408					10.1016/j.jclepro.2023.137204	ELSEVIER SCI LTD	0959-6526		WoS
1794	Article	Janveja, M; Parmar, R; Trivedi, G	MInSC: A VLSI Architecture for Myocardial Infarction Stages Classifier for Wearable Healthcare Applications	2023	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS	70	3	1159	1163		10.1109/TCSII.2022.3222738	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1549-7747		WoS
1795	Article	Khan, P; Dutta, S	Synchronization of corotating spirals anchored to heterogeneities in a chemical system	2024	EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS	233	4	787	795		10.1140/epjs/s11734-024-01146-x	SPRINGER HEIDELBERG	1951-6355		WoS
1796	Article	Bora, D; Roy, K; Mahanta, P; Barbora, L	Hydrogen sulfide removal from biogas using biomass-derived naturally alkaline biochars: performance analysis and kinetics	2024	JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT	26	3	1544	1556		10.1007/s10163-024-01908-8	SPRINGER	1438-4957		WoS

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1797	Article	Dutta, A; Kanaujia, SP	The Structural Features of MlaD Illuminate its Unique Ligand-Transporting Mechanism and Ancestry	2024	PROTEIN JOURNAL	43	2	298	315		10.1007/s10930-023-10179-5	SPRINGER	1572-3887		WoS
1798	Article	Bora, N; Das, S	Empirical Green's Function Simulations Toward Site-Specific Ground Motion Prediction for Kopili Fault of NER India	2023	PURE AND APPLIED GEOPHYSICS	180	12	4237	4259		10.1007/s00024-023-03383-y	SPRINGER BASEL AG	0033-4553	Green Submitted	WoS
1799	Article	Das, S; Mallick, S	The Intersection of Identities: Access to Primary Education in Kamrup District of Assam	2023	PERSPECTIVES ON GLOBAL DEVELOPMENT AND TECHNOLOGY	22	1-2	87	106		10.1163/15691497-12341653	BRILL	1569-1500		WoS
1800	Article	Raoniar, R; Maurya, AK	Digital and social distractions' impact on pedestrian road crossing behavior at signalized intersection crosswalks	2024	TRANSPORTATION LETTERS-THE INTERNATIONAL JOURNAL OF TRANSPORTATION RESEARCH	16	7	672	687		10.1080/19427867.2023.2233209	TAYLOR & FRANCIS LTD	1942-7867		WoS
1801	Article	Singh, A; Singh, G; Barman, R	Certain Diophantine equations and new parity results for 21-regular partitions	2023	ACTA ARITHMETICA	210	10				10.4064/aa230203-5-7	POLISH ACAD SCIENCES-INST MATHEMATICS-IMPAN	0065-1036	Bronze, Green Submitted	WoS
1802	Article	Balmuchu, SP; Dobbidi, P	Reduced leakage current and enhanced energy storage performance of BZNT/BTO multilayer structures: Implications in electronic devices	2024	APPLIED SURFACE SCIENCE	652					10.1016/j.apsusc.2024.159358	ELSEVIER	0169-4332		WoS
1803	Article	Kumar, L; Dey, D; Panda, B; Muthu, N	Experimental and numerical evaluation of multidirectional compressive and flexure behavior of three-dimensional printed concrete	2023	FRONTIERS OF STRUCTURAL AND CIVIL ENGINEERING	17	11	1643	1661		10.1007/s11709-023-0004-z	HIGHER EDUCATION PRESS	2095-2430		WoS
1804	Article; Data Paper	Hatwik, J; Pal, U; Limaye, AM	Transcriptomic data of MCF-7 breast cancer cells treated with 10 μM enterolactone	2023	DATA IN BRIEF	48					10.1016/j.dib.2023.109098	ELSEVIER	2352-3409	Green Published, gold	WoS
1805	Article	Mohanty, S; Dwivedy, SK	Traditional and non-traditional active nonlinear vibration absorber with time delay combination feedback for hard excitation	2023	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	117					10.1016/j.cnsns.2022.106919	ELSEVIER	1007-5704		WoS
1806	Article	Kumar, R; Sah, B; Kumar, P	Stray Loss Formulation for Inverter-Driven Induction Motors for a Wide Range of Switching Frequency and Motors Loading	2024	IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS	71	3	2385	2394		10.1109/TIE.2023.3269484	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0278-0046		WoS
1807	Article; Early Access	Saikia, P; Baruah, RD	GeoTrans: a transfer learning approach for estimating petrophysical properties from geophysical sensors data	2024	NEURAL COMPUTING & APPLICATIONS						10.1007/s00521-024-09489-1	SPRINGER LONDON LTD	0941-0643		WoS
1808	Article	Chandra, GV; Ghosh, PK	Human and ecological risk assessment of toxic metals in sediment near coal mining dump yard and the pond receiving acid mine drainage	2025	INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY	105	7	1595	1618		10.1080/03067319.2023.2296582	TAYLOR & FRANCIS LTD	0306-7319		WoS

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1809	Article	Mitra, A; Paul, S	Pathways of hLL-3717-29 Aggregation Give Insight into the Mechanism of a-Amyloid Formation	2023	JOURNAL OF PHYSICAL CHEMISTRY B	127	38	8162	8175		10.1021/acs.jpcb.3c04742	AMER CHEMICAL SOC	1520-6106		WoS
1810	Article	Gupta, P; Pal, D	Exploration of low field magnetic states in Nd1-x Ce xCrO3	2023	JOURNAL OF PHYSICS-CONDENSED MATTER	35	34				10.1088/1361-648X/acd7bc	IOP Publishing Ltd	0953-8984		WoS
1811	Article	Wagh, CD; Gandhi, ISR	Investigations on the performance of xanthan gum as a foam stabilizer and assessment of economic and environmental impacts of foam concrete production	2024	JOURNAL OF BUILDING ENGINEERING	82					10.1016/j.jobe.2023.108286	ELSEVIER			WoS
1812	Article	Mandal, R; Nandi, S; Ray, I	Constraining inverse moment of β-meson distribution amplitude using Lattice QCD data	2024	PHYSICS LETTERS B	848					10.1016/j.physletb.2023.138345	ELSEVIER	0370-2693	Green Accepted, gold	WoS
1813	Article	Sarma, H; Mandal, S; Borbora, A; Das, J; Kumar, S; Manna, U	Self-healable, Tolerant Superaerophobic Coating for Improving Electrochemical Hydrogen Production	2024	SMALL	20	26				10.1002/sml.202309359	WILEY-V C H VERLAG GMBH	1613-6810		WoS
1814	Article	Sahariah, BJ; Dalakoti, M; Khanikar, P	A high-performance design of tubular lattice structure having zero Poisson's ratio	2024	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	31	28	10989	11009		10.1080/15376494.2023.2300377	TAYLOR & FRANCIS INC	1537-6494		WoS
1815	Article	Saha, A; Kulkarni, ND; Kumari, P	Development of Bambusa tulda-reinforced different biopolymer matrix green composites and MCDM-based sustainable material selection for automobile applications	2025	ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY	27	5	10655	10691		10.1007/s10668-023-04327-1	SPRINGER	1387-585X		WoS
1816	Article	More, SM; Kakati, J; Saha, UK	Evaluating the Operating Parameters of a Compression Ignition Engine Fueled With Waste Cooking Oil-Diesel Blends Using Artificial Neural Network and Ensemble Methods	2023	JOURNAL OF ENGINEERING FOR GAS TURBINES AND POWER-TRANSACTIONS OF THE ASME	145	7				10.1115/1.4062411	ASME	0742-4795		WoS
1817	Article	Hussain, R; Ravi, K	Investigating soil properties and vegetation parameters in different biochar-amended vegetated soil at large suction for application in bioengineered structures	2022	SCIENTIFIC REPORTS	12	1				10.1038/s41598-022-22149-5	NATURE PORTFOLIO	2045-2322	gold, Green Published	WoS
1818	Article	Kakati, S; Chakraborty, D	Effect of Impact Energy Divisions for Repeated Low-Velocity Impacts by Varied Masses on GLARE	2024	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING	48	3	1405	1429		10.1007/s40997-023-00726-x	SPRINGER	2228-6187		WoS
1819	Article	Sarkar, D; Dhar, M; Das, A; Mandal, S; Phukan, A; Manna, U	Covalent crosslinking chemistry for controlled modulation of nanometric roughness and surface free energy	2024	CHEMICAL SCIENCE	15	13	4938	4951		10.1039/d3sc06077b	ROYAL SOC CHEMISTRY	2041-6520	gold, Green Published	WoS
1820	Article	Ahmad, A; Nair, AM	Lithological mapping of charnockites using spectral mixture analysis	2024	REMOTE SENSING APPLICATIONS-SOCIETY AND ENVIRONMENT	34					10.1016/j.rsase.2024.101165	ELSEVIER	2352-9385		WoS

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1821	Article	Ghosh, S; Swain, J	Restriction Theorem Fails for the Fourier-Hermite Transform Associated with the Normalized Hermite Polynomials with Respect to a Discrete Surface	2024	RESULTS IN MATHEMATICS	79	1				10.1007/s00025-023-02030-1	SPRINGER BASEL AG	1422-6383		WoS
1822	Article	Sharma, NK; Gaznepoglu, UE; Robotham, T; Habets, EAP	Two congruent cues are better than one: Impact of ITD-ILD combinations on reaction time for sound lateralization	2023	JASA EXPRESS LETTERS	3	5				10.1121/10.0017936	AIP Publishing		gold	WoS
1823	Article	Rana, A; Biswas, S	Electrophilicity modulated targeted luminescence of MOF-coated cotton composite for dual analyte detection in aqueous medium	2023	INORGANIC CHEMISTRY FRONTIERS	10	9	2742	2753		10.1039/d3qi00206c	ROYAL SOC CHEMISTRY	2052-1553		WoS
1824	Article	Pandit, SK; Das, G	Naphthalimide-based AIE-active receptor: HSO4-/SO42- sensing and detection of Pb2+ by receptor-anion ensemble in aqueous medium	2024	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	310					10.1016/j.saa.2024.123879	PERGAMON-ELSEVIER SCIENCE LTD	1386-1425		WoS
1825	Article	Kumar, S; Mahata, S; Manivannan, V	Fluorescent turn on detection of zinc(II) ion using a hydrazone derived from 4-tert-butyl-2,6-diformylphenol and 3-hydrazineylquinoxalin-2(1H)-one	2024	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	450					10.1016/j.jphotochem.2023.115436	ELSEVIER SCIENCE SA	1010-6030		WoS
1826	Review	Das, B; Panda, BN; Sharma, F; Dixit, US	Recent Developments in Cladding and Coating Using Cold Metal Transfer Technology	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	33	7	3130	3147		10.1007/s11665-023-08940-z	SPRINGER	1059-9495		WoS
1827	Article	Anna, VABK; Chunchu, M	Determinants of speed variability on the horizontal curves of two-lane undivided rural highways passing through mountainous terrain	2023	INTERNATIONAL JOURNAL OF INJURY CONTROL AND SAFETY PROMOTION	30	4	652	665		10.1080/17457300.2023.2252797	TAYLOR & FRANCIS LTD	1745-7300		WoS
1828	Article	Basak, S; Paul, T; Mandal, S; Karjee, P; Nanjegowda, MV; Punniyamurthy, T	Transition-Metal-Catalyzed Directed C8-H Carbon-Carbon Bond Formation in Quinolines and 1,2,3,4-Tetrahydroquinolines	2023	SYNTHESIS-STUTTGART	55	21	3454	3469		10.1055/a-2058-0695	GEORG THIEME VERLAG KG	0039-7881		WoS
1829	Article	Barman, R; Singh, A; Singh, G	Arithmetic Properties of Certain t-Regular Partitions	2024	ANNALS OF COMBINATORICS	28	2	439	457		10.1007/s00026-023-00649-z	SPRINGER BASEL AG	0218-0006		WoS
1830	Article	Baruah, S; Kumar, A; Peela, NR	Activated Carbon Supported Ni-Co Layered Double Hydroxides Nanowires: An Effective and Low-Cost Electrocatalyst for Ethanol Electro-Oxidation in Alkaline Media	2023	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	170	3				10.1149/1945-7111/acc488	ELECTROCHEMICAL SOC INC	0013-4651		WoS
1831	Article	Mahanta, D; Borah, D	WIMPy leptogenesis in non-standard cosmologies	2023	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS		3				10.1088/1475-7516/2023/03/049	IOP Publishing Ltd	1475-7516	Green Accepted	WoS
1832	Article	Lenka, BK; Bora, SN	Asymptotic stability and linear feedback control of real order systems with multiple time delays	2023	INTERNATIONAL JOURNAL OF DYNAMICS AND CONTROL	11	1	428	440		10.1007/s40435-022-00988-4	SPRINGERNATURE	2195-268X		WoS

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1833	Article	Gupta, RK; Sinha, R	An Investigation on the Audio-Video Data Based Estimation of Emotion Regulation Difficulties and Their Association With Mental Disorders	2023	IEEE ACCESS	11		74324	74336		10.1109/ACCESS.2023.3297091	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
1834	Article	Ananda, YR; Satyanarayan, GS; Trivedi, G	An Optimized MOS-Based High Frequency Charge-Controlled Memcapacitor Emulator	2022	IEEE JOURNAL ON EMERGING AND SELECTED TOPICS IN CIRCUITS AND SYSTEMS	12	4	793	803		10.1109/JETCAS.2022.3221314	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2156-3357		WoS
1835	Article	Banuary, M; Kumar, D; Gupta, AK	Use of the dilated electron propagator in conjunction with the modified smooth exterior scaling method to characterize 2S Be+ (1s-1), 2S Ne+ (1s-1) Auger and 2P Be-shape resonances	2024	NEW JOURNAL OF CHEMISTRY	48	11	4772	4782		10.1039/d3nj04908f	ROYAL SOC CHEMISTRY	1144-0546		WoS
1836	Article	Konwar, M; Das, T; Naskar, A; Murmu, R; Das, A	Facile Installation of β -Hydroxyarylethylamino Motifs at the C2-Position of Quinoline Moiety via Copper-Catalyzed [3+3]-Cycloaddition Reaction of N -Oxide with N -Ts Aziridine	2024	SYNLETT	35	12	1446	1452		10.1055/a-2184-4940	GEORG THIEME VERLAG KG	0936-5214		WoS
1837	Article	Dokala, RK; Das, S; Mishra, PK; Thota, S	Magnetic ordering in Ce substituted zirconite-YCrO4 nanostructures: focus on tunable energy bandgap and local-atomic environment	2023	PHYSICA SCRIPTA	98	9				10.1088/1402-4896/aced29	IOP Publishing Ltd	0031-8949		WoS
1838	Article; Early Access	Saha, A; Kulkarni, ND; Kumar, M; Kumari, P	The structural, dielectric, and dynamic properties of NaOH-treated Bambusa tulda reinforced biocomposites-an experimental investigation	2023	BIOMASS CONVERSION AND BIOREFINERY						10.1007/s13399-023-04709-5	SPRINGER HEIDELBERG	2190-6815		WoS
1839	Article	Bhattacharjee, R; Medhi, T; Biswas, P	Numerical Modeling for Prediction of Surface Morphology and Volumetric Defect Using Coupled Eulerian-Lagrangian Approach during Friction Stir Welding of Marine Grade Aluminum Alloy	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	33	16	8322	8339		10.1007/s11665-023-08507-y	SPRINGER	1059-9495		WoS
1840	Article	Verma, P; Charoo, MS; Srivyas, PD; Medhi, T	Enhanced extreme pressure and tribological performance of hybrid nano lubricant	2023	TRIBOLOGY-MATERIALS SURFACES & INTERFACES	17	3	203	216		10.1080/17515831.2023.2235230	TAYLOR & FRANCIS LTD	1751-5831		WoS
1841	Article	Ramasamy, S; Pakshirajan, K; Murugan, D; Saini, GK	Lutein Production by Halophilic Microalgae Using Anaerobic Digestate as the Substrate and Its Potential Application as a Biopesticide	2024	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY	196	5	2591	2611		10.1007/s12010-023-04502-0	SPRINGER	0273-2289		WoS
1842	Article	Debnath, S; Vignesh, SR; Satpati, P; Chatterjee, S	Position of Geminal Substitution of γ Amino Acid Residues Modulates Their Ability to Form Isolated Non-Helical C12 β -turn Mimics	2023	CHEMISTRYSELECT	8	7				10.1002/slct.202204255	WILEY-V C H VERLAG GMBH	2365-6549		WoS

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1843	Article	Kandpal, S; Bora, SN	Impact of a concentrated lateral inflow and stage-discharge relation imposed at the downstream end of a finite channel for the diffusive wave model	2024	ACTA GEOPHYSICA	72	5	3683	3701		10.1007/s11600-024-01303-9	SPRINGER INT PUBL AG	1895-6572		WoS
1844	Article	Kumar, R	Numerical solutions for Biharmonic interface problems via weak Galerkin finite element methods	2024	APPLIED MATHEMATICS AND COMPUTATION	467					10.1016/j.amc.2023.128496	ELSEVIER SCIENCE INC	0096-3003		WoS
1845	Article	Paul, P; Murthy, KSRK; Chakraborty, D	Experimental studies on the extent of 3D and 2D stress-strain states at sharp V-notches	2024	THEORETICAL AND APPLIED FRACTURE MECHANICS	129					10.1016/j.tafmec.2023.104199	ELSEVIER	0167-8442		WoS
1846	Article	Kumari, J; Rahul; Agarwal, P	Role of deposition parameters on optoelectronic properties of ITO films and its application in MoO3-x/c-Si(n) heterojunction solar cells	2023	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	34	16				10.1007/s10854-023-10715-0	SPRINGER	0957-4522		WoS
1847	Article	Paul, R; Sawoo, D; Devi, M; Paul, S	Inhibitory action of indanone-carbamate hybrid molecules on the aggregation of Aβ16-22 peptides and their translocation across POPC lipid bilayer	2023	JOURNAL OF MOLECULAR LIQUIDS	383					10.1016/j.molliq.2023.122028	ELSEVIER	0167-7322		WoS
1848	Review	Sinha, D; Chakrabarty, SP	A review of efficient Multilevel Monte Carlo algorithms for derivative pricing and risk management	2023	METHODSX	10					10.1016/j.mex.2023.102078	ELSEVIER		Green Published, gold	WoS
1849	Article	Devi, S; Nagarajan, SA; Chakrabarti, S; Majhi, BR	Shadow of quantum extended Kruskal black hole and its super-radiance property	2023	PHYSICS OF THE DARK UNIVERSE	39					10.1016/j.dark.2023.101173	ELSEVIER		Green Submitted	WoS
1850	Article	Kaibarta, B; Dasmahapatra, AK	Carbon-based hierarchical mesoporous polyaniline/montmorillonite nanocomposites for high energy density supercapacitors	2024	JOURNAL OF ENERGY STORAGE	83					10.1016/j.est.2024.110703	ELSEVIER	2352-152X		WoS
1851	Article	Maji, S; Natesan, S	An Efficient Numerical Method for Fractional Advection-Diffusion-Reaction Problem with RLC Fractional Derivative	2023	MEDITERRANEAN JOURNAL OF MATHEMATICS	20	6				10.1007/s00009-023-02499-8	SPRINGER BASEL AG	1660-5446		WoS
1852	Article	Faraz, S; Khan, A	p-TSA.H2O-Catalyzed Synthesis of 2,3-Diarylquinoline Derivatives via One-Pot Three-Component Reaction	2023	SYNTHESIS-STUTTGART	55	19	3195	3203		10.1055/a-2107-6485	GEORG THIEME VERLAG KG	0039-7881		WoS
1853	Article	Nitu; Srinivasan, A	Influence of iron oxide substitution on the magnetic interactions in sol-gel-derived 45S5 bioactive glass-ceramics	2023	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	106	10	5806	5813		10.1111/jace.19265	WILEY	0002-7820		WoS
1854	Article	Kumar, V; Sundaram, S	Siamese-based offline word level writer identification in a reduced subspace	2024	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	130					10.1016/j.engappai.2023.107720	PERGAMON-ELSEVIER SCIENCE LTD	0952-1976		WoS

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1855	Article	Rana, MS; Mahanta, C	Flash-flood susceptibility modelling in a data-scarce region using a novel hybrid approach and trend analysis of precipitation	2023	HYDROLOGICAL SCIENCES JOURNAL	68	16	2336	2356		10.1080/02626667.2023.2259887	TAYLOR & FRANCIS LTD	0262-6667		WoS
1856	Article	Arumugam, S; Pugazhenth, G; Selvaraj, S	Investigations on mechanical, thermal, wettability properties of processed banana leaves for sustainable food packaging applications	2024	BIOMASS CONVERSION AND BIOREFINERY	14	18	22527	22537		10.1007/s13399-023-04655-2	SPRINGER HEIDELBERG	2190-6815		WoS
1857	Article	Bala, E; Dey, S; Patra, S; Singha, S	Assessment of microwave drying for rapid and convenient analysis of medicinal plants for quality assurance	2024	PHYTOCHEMICAL ANALYSIS	35	4	903	922		10.1002/pca.3336	WILEY	0958-0344		WoS
1858	Article; Early Access	Patel, BM; Dwivedy, SK	Manoeuvring of underwater snake robot with tail thrust using the actor-critic neural network super-twisting sliding mode control in the uncertain environment and disturbances	2023	NEURAL COMPUTING & APPLICATIONS						10.1007/s00521-023-09113-8	SPRINGER LONDON LTD	0941-0643		WoS
1859	Article	Das, A; Medhi, T; Kapil, S; Biswas, P	Multi-track multi-layer friction stir additive manufacturing of AA6061-T6 alloy	2024	PROGRESS IN ADDITIVE MANUFACTURING	9	4	835	855		10.1007/s40964-023-00485-w	SPRINGER NATURE	2363-9512		WoS
1860	Article	Bakal, PP; Das, G	Biochar Derived from the Stem of Ricinus communis L. and Colocasia esculanta: Efficient Adsorbent for the Removal of Cd(II) and Pb(II) Ions from an Aqueous Environment	2023	JOURNAL OF WATER CHEMISTRY AND TECHNOLOGY	45	3	200	210		10.3103/S1063455X23030025	PLEIADES PUBLISHING INC	1063-455X		WoS
1861	Article	Kiran, U; Sharma, D; Gautam, SS	Development of GPU-based matrix-free strategies for large-scale elastoplasticity analysis using conjugate gradient solver	2024	INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING	125	7				10.1002/nme.7421	WILEY	0029-5981		WoS
1862	Article	Das, T; Das, S; Das, D	Fabrication of core-shell beads, hollow capsules, and AuNP-embedded catalytic beads from an ultrasmall peptide hydrogel	2023	CHEMICAL ENGINEERING JOURNAL	477					10.1016/j.cej.2023.147105	ELSEVIER SCIENCE SA	1385-8947		WoS
1863	Article	Faraz, S; Khan, A	p-TSA•H2O catalyzed metal-free and environmentally benign synthesis of 4-aryl quinolines from arylamine, arylacetylene, and dimethyl sulfoxide	2023	ORGANIC & BIOMOLECULAR CHEMISTRY	21	37	7553	7560		10.1039/d3ob00993a	ROYAL SOC CHEMISTRY	1477-0520		WoS
1864	Article	Kumar, R; Deka, B	Weak Galerkin finite element methods with and without stabilizers for $H(\operatorname{div}; \omega) \times \mathbf{H}(\operatorname{mbox{div}}; \Omega)$ -elliptic problems	2023	ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK	103	11				10.1002/zamm.202200207	WILEY-VCH VERLAG GMBH	0044-2267		WoS
1865	Article	Kumar, U; Tiwari, S	MULTIPLE SOLUTIONS TO BAHRI-CORON PROBLEM INVOLVING FRACTIONAL p-LAPLACIAN IN SOME DOMAIN WITH NONTRIVIAL TOPOLOGY	2023	TOPOLOGICAL METHODS IN NONLINEAR ANALYSIS	61	2	717	742		10.12775/TMNA.2022.033	NICOLAUS COPERNICUS UNIV TORUN, JULIUSZ SCHAUDER CTR NONLINEAR STUDIES	1230-3429		WoS

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1866	Article	Husam, S; Laishram, B; Johari, S	Framework to Enhance Gender Inclusion of Workers in Construction Sites	2024	JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT	150	4				10.1061/JCEMD4.COENG-14124	ASCE-AMER SOC CIVIL ENGINEERS	0733-9364	hybrid	WoS
1867	Article	Shejule, PA; Pekkat, S	Performance assessment of rainfall forecasting models for urban Guwahati City using machine learning techniques and singular spectrum analysis	2024	JOURNAL OF WATER AND CLIMATE CHANGE	15	4	1565	1587		10.2166/wcc.2024.465	IWA PUBLISHING	2040-2244	gold	WoS
1868	Article; Early Access	Saha, S; Mandal, SK; Kanaujia, SP	Distinct characteristics of putative archaeal 5-methylcytosine RNA methyltransferases unveil their substrate specificities and evolutionary ancestries	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS						10.1080/07391102.2024.2325670	TAYLOR & FRANCIS INC	0739-1102		WoS
1869	Article	Jana, S; Mandal, PS	Approximation algorithms for drone delivery scheduling with a fixed number of drones	2024	THEORETICAL COMPUTER SCIENCE	991					10.1016/j.tcs.2024.114442	ELSEVIER	0304-3975		WoS
1870	Article	Bakal, PP; Das, G	A Comparative Study of Raw vs. Activated Biochar Derived from Ricinus communis Stem for Preferential Removal of Cationic Dyes	2023	WATER CONSERVATION SCIENCE AND ENGINEERING	8	1				10.1007/s41101-023-00192-1	SPRINGER NATURE	2366-3340		WoS
1871	Article	Choudhury, R; Ahamed, SR; Guha, P	FPGA Implementation of Batch-Mode Depth-Pipelined Two Means Decision Tree	2023	IEEE EMBEDDED SYSTEMS LETTERS	15	1	17	20		10.1109/LES.2022.3190001	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1943-0663		WoS
1872	Article	Patil, SH; Kulkarni, R	Two-step phase shifting algorithm based on cost function minimization	2023	OPTIK	274					10.1016/j.ijleo.2023.170569	ELSEVIER GMBH	0030-4026		WoS
1873	Article	Bhowmik, T; Sikdar, D	Electrically tunable metasurface for dual-band spatial light modulation using the epsilon-near-zero effect	2022	OPTICS LETTERS	47	19	4993	4996		10.1364/OL.471974	Optica Publishing Group	0146-9592		WoS
1874	Article	Rajput, AS; Singh, A; Kapil, S; Das, M	Nanofinishing of DED topologically optimized fixation plates with H-ECMR finishing	2024	MATERIALS AND MANUFACTURING PROCESSES	39	6	834	845		10.1080/10426914.2023.2289676	TAYLOR & FRANCIS INC	1042-6914		WoS
1875	Article	Barman, N; Gokhale, S	Transported aerosols regulate the pre-monsoon rainfall over north-east India: a WRF-Chem modelling study	2023	ATMOSPHERIC CHEMISTRY AND PHYSICS	23	11	6197	6215		10.5194/acp-23-6197-2023	COPERNICUS GESELLSCHAFT MBH	1680-7316	Green Submitted , gold	WoS
1876	Article	Sahu, S; Mohapatra, PP; Singh, HK; Dobbidi, P	Enhanced microwave absorbing performance of Sr2+substituted Nickel-Cobalt nano ferrite for radar and stealth applications	2023	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	294					10.1016/j.mseb.2023.116514	ELSEVIER	0921-5107		WoS
1877	Article; Early Access	Singh, MK; Bharti, R	Inversion model for snow geophysical parameters estimation using sentinel-1 stokes parameter	2023	EARTH SCIENCE INFORMATICS						10.1007/s12145-023-00984-y	SPRINGER HEIDELBERG	1865-0473		WoS
1878	Article	Moharana, SK; Kumar, PP	Microscopic insights on ion transport in Li3OCl1-xBrx anti-perovskites from metadynamics simulations	2023	SOLID STATE IONICS	403					10.1016/j.ssi.2023.116409	ELSEVIER	0167-2738		WoS

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1879	Article	Mondal, JK; Kumar, A	New Frequency Domain Framework of Inverse Ground Response Analysis for the Determination of Dynamic Soil Properties of Multilayered System	2024	INDIAN GEOTECHNICAL JOURNAL	54	2	547	576		10.1007/s40098-023-00791-8	SPRINGER INDIA	0971-9555		WoS
1880	Article	Andrabi, AB; Mallajosyula, AT	Unraveling trap distribution in perovskite films: A qualitative analysis via diffusion to drift transition voltage of current-voltage characteristics	2023	SOLAR ENERGY	264					10.1016/j.solener.2023.112020	PERGAMON-ELSEVIER SCIENCE LTD	0038-092X		WoS
1881	Article	Sarkar, P; Nandi, N; Barnwal, N; Sahu, K	BSA-Capped Dual-Emissive Silver Nanoclusters for Detection of IO4 - and Cu2+ Ions	2023	ACS APPLIED NANO MATERIALS	6	17	15851	15859		10.1021/acsanm.3c02752	AMER CHEMICAL SOC			WoS
1882	Article	Pottipati, S; Hazarika, J; Kalamdhad, AS	Bioconversion of phytotoxic terrestrial weeds into soil conditioning bioproduct through two-stage biodegradation process	2024	BIOMASS CONVERSION AND BIOREFINERY	14	17	20333	20344		10.1007/s13399-023-04201-0	SPRINGER HEIDELBERG	2190-6815		WoS
1883	Article	Mahato, SK; Barman, P; Badirujjaman, M; Bhabak, KP	Cysteine-responsive prodrug of the anti-cancer drug amonafide: fluorogenic adjuvant drug delivery with hydrogen sulfide (H2S)	2023	CHEMICAL COMMUNICATIONS	59	32	4802	4805		10.1039/d3cc00220a	ROYAL SOC CHEMISTRY	1359-7345		WoS
1884	Article	Hegde, M; Girisa, S; BharathwajChetty, B; Vishwa, R; Kunnumakkara, AB	Curcumin Formulations for Better Bioavailability: What We Learned from Clinical Trials Thus Far?	2023	ACS OMEGA	8	12	10713	10746		10.1021/acsomega.2c07326	AMER CHEMICAL SOC	2470-1343	Green Published, gold	WoS
1885	Article	Singh, HK; Mohapatra, PP; Pal, D; Dobbidi, P	Exploring the role of oxygen vacancies on the magnetic and electromagnetic absorption properties of La3+-modified M-type hexaferrite with Al3+ doping	2024	JOURNAL OF PHYSICS-CONDENSED MATTER	36	11				10.1088/1361-648X/ad1302	IOP Publishing Ltd	0953-8984		WoS
1886	Article	Jaiswal, C; Mandal, BB	A 3D In Vitro Triculture Hybrid Model Recapitulating Tumor Stromal Interaction of Triple-Negative Breast Cancer as a High Throughput Anticancer Drug Screening Platform	2024	ADVANCED THERAPEUTICS	7	5				10.1002/adtp.202300450	WILEY			WoS
1887	Article	Rai, N; Kanagaraj, S	Hydroxyl Radical Scavenging of Liquid Silicone Rubber/Ce0.5Zr0.5O2 Nanocomposites for Local Delivery of Antioxidants to Control Oxidative Stress Induced Damages	2024	SILICON	16	6	2497	2508		10.1007/s12633-024-02845-9	SPRINGER	1876-990X		WoS
1888	Article	Kumar, R; Deka, B	Weak Galerkin finite element methods for H(curl; O) and H(curl, div; O)-elliptic problems	2023	COMPUTERS & MATHEMATICS WITH APPLICATIONS	147		210	221		10.1016/j.camwa.2023.07.019	PERGAMON-ELSEVIER SCIENCE LTD	0898-1221		WoS

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1889	Article	Ahmed, J; Poonia, A; Goyal, A	Deciphering the structure of a distinctive trimodular cellulosomal licheninase (RfGH16_21), a family 16 glycoside hydrolase from Ruminococcus flavefaciens by computational and experimental methods	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	42	6	3094	3107		10.1080/07391102.2023.2212076	TAYLOR & FRANCIS INC	0739-1102		WoS
1890	Article	Borah, R; Maji, D; Ravi, S	Evidence of cluster glass phase, exchange bias, reversible magnetocaloric effect and study of electrical properties in Ni1-xCdxCr2O4 (x=0-0.30) spinel	2023	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	129	4				10.1007/s00339-023-06518-z	SPRINGER HEIDELBERG	0947-8396		WoS
1891	Article	Mondal, S; Basu, S	Topological features of the Haldane model on a dice lattice: Flat-band effect on transport properties	2023	PHYSICAL REVIEW B	107	3				10.1103/PhysRevB.107.035421	AMER PHYSICAL SOC	2469-9950	Green Submitted	WoS
1892	Article	Sarma, NJ; Dey, A	Finite Element-Based Design and Analysis of Unpaved Roads over Difficult Subsoil: Sustainable Application of Geotextile Reinforcement to Attain Long-Term Performance	2024	INDIAN GEOTECHNICAL JOURNAL	54	3	753	780		10.1007/s40098-024-00866-0	SPRINGER INDIA	0971-9555		WoS
1893	Article	Kulkarni, R	Two-frame random phase shifting interferometry based on constrained Kalman filter without pre-filtering	2024	OPTICS AND LASER TECHNOLOGY	172					10.1016/j.optlastec.2023.110512	ELSEVIER SCI LTD	0030-3992		WoS
1894	Article	Seal, A; Natesan, S	A numerical approach for nonlinear time-fractional diffusion equation with generalized memory kernel	2024	NUMERICAL ALGORITHMS	97	2	539	565		10.1007/s11075-023-01714-7	SPRINGER	1017-1398		WoS
1895	Article	Mahata, D; Srivastava, M; Srinivasan, A	Synthesis and Characterization of Single Phase-Co46xNi22xAl32 (x 0, 10, 20) Heusler Alloy Nanoparticles	2023	IEEE TRANSACTIONS ON MAGNETICS	59	11				10.1109/TMAG.2023.3281150	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9464		WoS
1896	Article	Mukherjee, S; Sarkar, K; Biswas, S	A fluorophore anchored MOF for fast and sensitive sensing of Cu(ii) and 3-nitrotyrosine in a physiological medium	2023	DALTON TRANSACTIONS	52	17	5597	5605		10.1039/d3dt00660c	ROYAL SOC CHEMISTRY	1477-9226		WoS
1897	Article	Bhattacharjee, A; Bhattacharjee, R; Bose, SK	DS-SOP: An Adaptive Framework for Enhanced Connectivity in mmWave Indoor Networks	2023	IEEE COMMUNICATIONS LETTERS	27	2	741	745		10.1109/LCOMM.2022.3231825	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1089-7798		WoS
1898	Article	Bhowmik, A; Barman, R	Number of complete subgraphs of Peisert graphs and finite field hypergeometric functions	2024	RESEARCH IN NUMBER THEORY	10	2				10.1007/s40993-024-00512-x	SPRINGER INT PUBL AG	2522-0160	Green Submitted	WoS
1899	Article	Naskar, S; Das, S; Kaushik, HB	Combined Global Seismic Damage for 3D RC Buildings Using Recorded Floor-Displacement Data	2024	JOURNAL OF EARTHQUAKE ENGINEERING	28	10	2824	2854		10.1080/13632469.2024.2310067	TAYLOR & FRANCIS LTD	1363-2469		WoS
1900	Article	Barman, B; Kashyap, SN; Kumar, B	Flow velocity prediction in a vegetated channel using soft computing techniques	2024	MULTISCALE AND MULTIDISCIPLINARY MODELING EXPERIMENTS AND DESIGN	7	3	2307	2317		10.1007/s41939-023-00335-w	SPRINGER NATURE	2520-8160		WoS

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1901	Article; Early Access	Palaparthi, S; Panda, S	Reducing spheres of genus-2 Heegaard splitting of S3	2023	JOURNAL OF TOPOLOGY AND ANALYSIS						10.1142/S1793525323500462	WORLD SCIENTIFIC PUBL CO PTE LTD	1793-5253	Green Submitted	WoS
1902	Article	Yadav, HNS; Das, M	Parametric optimisation of plasma polishing process using response surface methodology	2023	SURFACE ENGINEERING	39	2	204	217		10.1080/02670844.2023.2206183	SAGE PUBLICATIONS INC	0267-0844		WoS
1903	Article	Islam, M; Basu, S	Spin and charge persistent currents in a Kane Mele α -T 3 quantum ring	2024	JOURNAL OF PHYSICS-CONDENSED MATTER	36	13				10.1088/1361-648X/ad1360	IOP Publishing Ltd	0953-8984		WoS
1904	Article	Deka, B; Roy, P; Kumar, N; Kumar, R	Convergence of Weak Galerkin Finite Element Method for Second Order Linear Wave Equation in Heterogeneous Media	2023	NUMERICAL MATHEMATICS-THEORY METHODS AND APPLICATIONS	16	2	323	347		10.4208/nmtma.OA-2021-0080	GLOBAL SCIENCE PRESS	1004-8979		WoS
1905	Article	Bedadeep, D; Shahnaz, T; Sankar, VM; Sahoo, L; Narayanasamy, S	Organic polymer doped graphene-based composite for the effective elimination of diclofenac: A detailed study with phytotoxic assessments	2023	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	11	1				10.1016/j.jece.2022.109223	ELSEVIER SCI LTD	2213-2929		WoS
1906	Review; Early Access	Sharma, N; Laishram, B	Understanding the relevance and impact of the cost of quality in the construction industry: a systematic literature review using PRISMA	2024	CONSTRUCTION INNOVATION-ENGLAND						10.1108/CI-08-2023-0197	EMERALD GROUP PUBLISHING LTD	1471-4175		WoS
1907	Article	Rasaily, M; Ngiime, S; Thaosen, RK; Gupta, S; Deka, S; Tamuli, R	Methods for the detection of intracellular calcium in filamentous fungi	2024	METHODSX	12					10.1016/j.mex.2024.102570	ELSEVIER		gold, Green Published	WoS
1908	Article	Mawa, I; Panda, AN	Theoretical Investigation of the E/Z Photoisomerization Pathway in 1-(2-Pyrrolyl)-2-(2-thienyl)ethylene	2023	JOURNAL OF PHYSICAL CHEMISTRY A	127	27	5673	5682		10.1021/acs.jpca.3c02184	AMER CHEMICAL SOC	1089-5639		WoS
1909	Correction	Mondal, SS; Swain, J	Restriction theorem for the Fourier-Hermite transform and solution of the Hermite-Schrodinger equation (vol 7, 44, 2022)	2023	ADVANCES IN OPERATOR THEORY	8	3				10.1007/s43036-023-00276-8	SPRINGER BASEL AG	2662-2009	Bronze	WoS
1910	Article	Ananda, YR; Satyanarayan, GS; Trivedi, G	A Flux Controlled MOS-Based Optimized High Frequency Meminductor Emulator	2022	IEEE JOURNAL ON EMERGING AND SELECTED TOPICS IN CIRCUITS AND SYSTEMS	12	4	774	784		10.1109/JETCAS.2022.3221305	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2156-3357		WoS
1911	Article	Bhattacharjee, S; Sirkar, A; Ghosh, P	Detailed mass transfer studies of a ternary system associated with intermittent jerking of the liquid - liquid interface	2024	CHEMICAL ENGINEERING COMMUNICATIONS	211	6	903	919		10.1080/00986445.2024.2303769	TAYLOR & FRANCIS INC	0098-6445		WoS
1912	Review	Sahoo, AK; Barik, D; Dam, B; Patel, BK	Metal-Free Visible-light Mediated C-S Bond Formation	2023	ASIAN JOURNAL OF ORGANIC CHEMISTRY	12	8				10.1002/ajoc.202300252	WILEY-V C H VERLAG GMBH	2193-5807		WoS
1913	Article	Kar, S; Maharana, PK; Punniyamurthy, T; Trivedi, V	Tandem (4+3)-Annulation of Aziridines: Stereoselective Access to Fused Azepinoindoles	2023	ORGANIC LETTERS	25	49	8850	8855		10.1021/acs.orglett.3c03547	AMER CHEMICAL SOC	1523-7060		WoS
1914	Article	Borah, PP; Sorathia, KB	Investigating user performance and preference for two magnitude levels of size and angle of bend on a smartphone-sized flexible device	2024	BEHAVIOUR & INFORMATION TECHNOLOGY	43	11	2361	2387		10.1080/0144929X.2023.2245062	TAYLOR & FRANCIS LTD	0144-929X		WoS

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1915	Article	Das, B; Chakraborty, N; Rajbongshi, KK; Patel, BK	Synthetic utility of styrenes in the construction of diverse heterocycles via annulation/cycloaddition	2023	TETRAHEDRON	134					10.1016/j.tet.2023.133270	PERGAMON-ELSEVIER SCIENCE LTD	0040-4020		WoS
1916	Article	Jaiswal, C; Gupta, T; Jadi, PK; Moses, JC; Mandal, BB	Injectable anti-cancer drug loaded silk-based hydrogel for the prevention of cancer recurrence and post-lumpectomy tissue regeneration aiding triple-negative breast cancer therapy	2023	BIOMATERIALS ADVANCES	145					10.1016/j.bioadv.2022.213224	ELSEVIER			WoS
1917	Review	Singh, YP; Bandyopadhyay, A; Dey, S; Bhardwaj, N; Mandal, BB	Trends and advances in silk based 3D printing/bioprinting towards cartilage tissue engineering and regeneration	2024	PROGRESS IN BIOMEDICAL ENGINEERING	6	2				10.1088/2516-1091/ad2d59	IOP Publishing Ltd			WoS
1918	Article	Mondal, A; Pal, D; Phukan, HJ; Roy, M; Kumar, S; Purkayastha, S; Guha, AK; Srimani, D	Manganese Complex Catalyzed Sequential Multi-component Reaction: Enroute to a Quinoline-Derived Azafluorenes	2024	CHEMSUSCHEM	17	7				10.1002/cssc.202301138	WILEY-V C H VERLAG GMBH	1864-5631		WoS
1919	Article	Narzary, R; Ravi, S; Srivastava, SK	Crystal structure, micro-structure, Raman spectroscopy, optical, magnetic, and electrical property of Sn0.94-yAg0.06SbyO2 compounds	2023	APPLIED PHYSICS A- MATERIALS SCIENCE & PROCESSING	129	9				10.1007/s00339-023-06910-9	SPRINGER HEIDELBERG	0947-8396		WoS
1920	Article	Gawal, PM	Cost-effective 2,3-BD separation: insights from aqueous two-phase extraction-assisted distillation	2025	BIOMASS CONVERSION AND BIOREFINERY	15	5	6757	6765		10.1007/s13399-024-05392-w	SPRINGER HEIDELBERG	2190-6815		WoS
1921	Article	Khan, AA; Hussain, S; Chandra, R	A Quantum-Inspired Predator-Prey Algorithm for Real-Parameter Optimization	2024	ALGORITHMS	17	1				10.3390/a17010033	MDPI		gold	WoS
1922	Article	Tarai, UK; Pal, S; Robi, PS	Kinetics of isothermal solidification during transient liquid phase bonding of Inconel 718 superalloy by differential scanning calorimetry	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS	238	7	1268	1279		10.1177/14644207231218113	SAGE PUBLICATIONS LTD	1464-4207		WoS
1923	Article	Narang, K; Iyer, PK	Molecular Engineering of Naphthalimide Methylcyclohexane Luminogen: Unraveling J*-Aggregation Pattern and Sensing Melamine in Aqueous Media	2024	CCS CHEMISTRY	6	4	923	931		10.31635/ccschem.023.202303123	CHINESE CHEMICAL SOC			WoS
1924	Article	Roy, D; Mishra, TT; Parashar, CK; Murmu, K; Chakraborty, M	Effect of Poling on β -Phase Structure of Electrospun PVDF-TrFE Nanofiber Film	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	33	11	5439	5445		10.1007/s11665-024-09207-x	SPRINGER	1059-9495		WoS
1925	Article	Ahmed, MM; Basak, M; Paul, A; Singha, D; Sinha, S; Bandyopadhyay, D	Plasmonic Nanobiosensor for Detection of in Aqueous Samples<italic/>	2024	IEEE SENSORS LETTERS	8	1				10.1109/LSENS.2023.3337938	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2475-1472		WoS
1926	Article	Barik, S; Behera, S; Pati, S	On the smallest positive eigenvalue of bipartite graphs with a unique perfect matching	2024	DISCRETE APPLIED MATHEMATICS	347		311	318		10.1016/j.dam.2024.01.029	ELSEVIER	0166-218X		WoS

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1927	Article	Sarkar, S; Kandasamy, T; Shome, R; Ghosh, SS	In silico screening and identification of potential drug against p300 acetyltransferase activity in breast cancer via drug repurposing approach	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	42	22	12396	12407		10.1080/07391102.2023.2270086	TAYLOR & FRANCIS INC	0739-1102		WoS
1928	Article	Tolesa, TK; Tripathy, P; Adda, R	Numerical thermal analysis of synchronous reluctance generator for wind energy application	2023	ENERGY CONVERSION AND ECONOMICS	4	5	317	333		10.1049/enc2.12096	WILEY	2634-1581	gold	WoS
1929	Article	Nath, CD; Hazarika, SM	Exploring diagram-based visual problem representation and relational abstraction	2025	SPATIAL COGNITION AND COMPUTATION	25	1	38	68		10.1080/13875868.2023.2299406	TAYLOR & FRANCIS INC	1387-5868		WoS
1930	Article	Das, D; Kumar, C; Liserre, M	Stabilization of Smart Transformer Based Islanded Meshed Hybrid Microgrid During Electric Vehicle Charging Transients	2023	IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN INDUSTRIAL ELECTRONICS	4	4	1255	1264		10.1109/JESTIE.2023.3294088	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2687-9735		WoS
1931	Article	Sen, P; Ghosh, SS	?-Secretase Inhibitor Potentiates the Activity of Suberoylanilide Hydroxamic Acid by Inhibiting Its Ability to Induce Epithelial to Mesenchymal Transition and Stemness via Notch Pathway Activation in Triple-Negative Breast Cancer Cells	2023	ACS PHARMACOLOGY & TRANSLATIONAL SCIENCE	6	10	1396	1415		10.1021/acsptsci.3c00099	AMER CHEMICAL SOC		Green Published	WoS
1932	Article	Kakati, N; Ahari, D; Parmar, PR; Deshmukh, OS; Bandyopadhyay, D	Lactic Acid-Induced Colloidal Microrheology of Synovial Fluids	2024	ACS BIOMATERIALS SCIENCE & ENGINEERING	10	5	3378	3386		10.1021/acsbiomaterials.3c01846	AMER CHEMICAL SOC	2373-9878		WoS
1933	Article	Chattopadhyay, A; Giri, D; Srivastava, RK	QUALITATIVE UNCERTAINTY PRINCIPLE ON CERTAIN LIE GROUPS	2024	JOURNAL OF THE AUSTRALIAN MATHEMATICAL SOCIETY	116	3	289	307		10.1017/S1446788723000150	CAMBRIDGE UNIV PRESS	1446-7887		WoS
1934	Review	Ghosh, P; Iyer, PK	Conjugated Polyelectrolytes: Illuminating the Path to Neurodegenerative Disorders Detection and Treatment	2024	ACS APPLIED MATERIALS & INTERFACES	16	16	20034	20054		10.1021/acsami.3c17890	AMER CHEMICAL SOC	1944-8244		WoS
1935	Article	Vardhan, H; Sasml, S; Mohanty, K	Detoxification of areca nut acid hydrolysate and production of xylitol by Candida tropicalis (MTCC 6192)	2024	PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY	54	1	61	72		10.1080/10826068.2023.2207093	TAYLOR & FRANCIS INC	1082-6068		WoS
1936	Article	Dey, U; Chattopadhyay, A	Two-dimensional molecular moiré superlattices of tryptophan with visible photoluminescence for photo-activatable CO2 sensing and storage	2024	JOURNAL OF MATERIALS CHEMISTRY C	12	15	5506	5516		10.1039/d4tc00050a	ROYAL SOC CHEMISTRY	2050-7526	Green Submitted	WoS
1937	Article	Rout, S; Mishra, PK; Das, GK	Total Roman domination and total domination in unit disk graphs	2025	COMMUNICATIONS IN COMBINATORICS AND OPTIMIZATION	10	4	803	823		10.22049/cco.2024.28647.1650	AZARBAIJAN SHAHID MADANI UNIV	2538-2128		WoS
1938	Article; Early Access	Chellappa, V; Salve, UR	Exploring barriers to effective safety risk assessment in Indian construction projects	2023	PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-MANAGEMENT PROCUREMENT AND LAW						10.1680/jmapl.22.00053	ICE PUBLISHING	1751-4304		WoS

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1939	Article	Biswas, A; Nandi, S; Patra, SK; Ray, I	Study of the $b \rightarrow d\ell\ell$ transitions in the Standard Model and test of New Physics sensitivities	2023	JOURNAL OF HIGH ENERGY PHYSICS		3				10.1007/JHEP03(2023)247	SPRINGER	1029-8479	gold, Green Accepted	WoS
1940	Article	Biswas, A; Mukherjee, L; Nandi, S; Patra, SK	Constraining new physics with possible dark matter signatures	2023	PHYSICAL REVIEW D	107	5				10.1103/PhysRevD.107.055041	AMER PHYSICAL SOC	2470-0010	hybrid, Green Submitted	WoS
1941	Article	Arya, D; Ghosh, A; Kulkarni, R; Mondal, PK	Measurement of Fluid Viscosity Using Lensless Digital Holography	2023	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	72					10.1109/TIM.2023.3328681	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9456		WoS
1942	Article	Sen, P; Acharyya, SR; Arora, A; Ghosh, SS	An in-silico approach to understand the potential role of Wnt inhibitory factor-1 (WIF-1) in the inhibition of the Wnt signalling pathway	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	42	1	326	345		10.1080/07391102.2023.2192810	TAYLOR & FRANCIS INC	0739-1102		WoS
1943	Article	Khaire, KC; Moholkar, VS; Goyal, A	A biorefinery approach for sequential extraction of commercial grade xylan and alkali lignin from alkali pretreated sugarcane tops hydrolysate	2022	INDUSTRIAL CROPS AND PRODUCTS	187					10.1016/j.indcrop.2022.115545	ELSEVIER	0926-6690		WoS
1944	Review	Chaudhuri, NB; Dhar, D	Digitizing creativity evaluation in design education: a systematic literature review	2024	INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION	34	3	1211	1242		10.1007/s10798-023-09846-6	SPRINGER	0957-7572		WoS
1945	Article	Ray, D; Bhale, P; Biswas, S; Mitra, P; Nandi, S	A Novel Energy-Efficient Scheme for RPL Attacker Identification in IoT Networks Using Discrete Event Modeling	2023	IEEE ACCESS	11		77267	77291		10.1109/ACCESS.2023.3296558	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
1946	Article	Sain, A; Khamrai, D; Kandasamy, T; Naskar, D	Apigenin exerts anti-cancer effects in colon cancer by targeting HSP90AA1	2025	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	43	7	3557	3569		10.1080/07391102.2023.2299305	TAYLOR & FRANCIS INC	0739-1102		WoS
1947	Article	Ray, D; Sao, Y; Biswas, S; Ali, SS	On Securing Cryptographic ICs against Scan-based Attacks: A HammingWeight Distribution Perspective	2023	ACM JOURNAL ON EMERGING TECHNOLOGIES IN COMPUTING SYSTEMS	19	2				10.1145/3577215	ASSOC COMPUTING MACHINERY	1550-4832	Bronze	WoS
1948	Article	Kolla, N; Appaiah, K; Chopra, R	Efficient Parameterized Precoder Tracking in Slowly Time-Varying MIMO Channels	2023	IEEE COMMUNICATIONS LETTERS	27	1	298	302		10.1109/LCOMM.2022.3211611	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1089-7798		WoS
1949	Article	Ahmed, T; Baruah, R; Kumar, R	A weak Galerkin finite-element method for singularly perturbed convection-diffusion-reaction problems with interface	2023	COMPUTATIONAL & APPLIED MATHEMATICS	42	7				10.1007/s40314-023-02438-z	SPRINGER HEIDELBERG	2238-3603		WoS
1950	Editorial Material	Punniyamurthy, T; Kumar, A	Editorial for the Special Topic on C-H Bond Functionalization of Heterocycles	2023	SYNTHESIS-STUTT GART	55	21	3415	3416		10.1055/s-0040-1720084	GEORG THIEME VERLAG KG	0039-7881	Bronze	WoS
1951	Review	Chettri, D; Verma, AK; Verma, AK	Bioaugmentation: an approach to biological treatment of pollutants	2024	BIODEGRADATION	35	2	117	135		10.1007/s10532-023-10050-5	SPRINGER	0923-9820		WoS

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1952	Article	Das, P; Chattopadhyay, A	Moire superlattices of two-dimensional copper nanocluster assemblies with tuneable twin emissions from hierarchical components leading to white light emission	2023	JOURNAL OF MATERIALS CHEMISTRY C	11	35	12029	12036		10.1039/d3tc02193a	ROYAL SOC CHEMISTRY	2050-7526		WoS
1953	Article	Hossain, MT; Jena, T; Giri, PK	Recent Advances in the Growth Strategies, Multifunctional Properties, and Emerging Applications of Two-Dimensional Non-van der Waals Bismuth Oxychalcogenides and Prospective Heterostructures	2024	SMALL STRUCTURES	5	8				10.1002/ssstr.202300511	WILEY		gold	WoS
1954	Article	Samanta, S; Paul, S; Debnath, T	Obtaining Ligand-Free Aqueous Au-Nanoparticles Using Reversible CsPbBr3 ⇌ Au@CsPbBr3 Nanocrystal Transformation	2024	SMALL	20	19				10.1002/sml.202311712	WILEY-V C H VERLAG GMBH	1613-6810		WoS
1955	Article	Narjinari, H; Dhole, S; Kumar, A	Acceptorless or Transfer Dehydrogenation of Glycerol Catalyzed by Base Metal Salt Cobaltous Chloride - Facile Access to Lactic Acid and Hydrogen or Isopropanol	2024	CHEMISTRY-A EUROPEAN JOURNAL	30	1				10.1002/chem.202302686	WILEY-V C H VERLAG GMBH	0947-6539		WoS
1956	Article	Sharma, PK; Abraham, A; Rajendiran, VN	A Generalized Zero-Shot Quantization of Deep Convolutional Neural Networks Via Learned Weights Statistics	2023	IEEE TRANSACTIONS ON MULTIMEDIA	25		953	965		10.1109/TMM.2021.3134158	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1520-9210	Green Submitted	WoS
1957	Article	Samantaray, T; Gupta, U; Saini, J; Gupta, CN	Unique Brain Network Identification Number for Parkinson's and Healthy Individuals Using Structural MRI	2023	BRAIN SCIENCES	13	9				10.3390/brainsci13091297	MDPI		gold, Green Submitted , Green Published	WoS
1958	Article	Srivyas, PD; Medhi, T; Bhat, S; Charoo, MS	Tribological behavior of rice bran and sesame greases using h-BN and CuO nanoparticles	2024	BIOMASS CONVERSION AND BIOREFINERY	14	19	24809	24832		10.1007/s13399-023-04528-8	SPRINGER HEIDELBERG	2190-6815		WoS
1959	Article	Samantaray, T; Saini, J; Pal, PK; Gupta, CN	Brain connectivity for subtypes of parkinson's disease using structural MRI	2024	BIOMEDICAL PHYSICS & ENGINEERING EXPRESS	10	2				10.1088/2057-1976/ad1e77	IOP Publishing Ltd	2057-1976		WoS
1960	Article	Bhale, P; Biswas, S; Nandi, S	A hybrid IDS for detection and mitigation of sinkhole attack in 6LoWPAN networks	2024	INTERNATIONAL JOURNAL OF INFORMATION SECURITY	23	2	915	934		10.1007/s10207-023-00763-2	SPRINGER	1615-5262		WoS
1961	Article	Chittilappilly, CJ; Bag, S; Karani, A	Evaluation of liquid metal embrittlement-free weld by micro-plasma arc welding of Zn-coated interstitial free steel	2023	WELDING INTERNATIONAL	37	5	254	268		10.1080/09507116.2023.2218562	TAYLOR & FRANCIS LTD	0950-7116		WoS
1962	Article	Hossain, SS; Karthik, V; Dhakshinamoorthy, A; Biswas, S	A recyclable MOF@polymer thin film composite for nanomolar on-site fluorometric detection of heavy metal ion and anti-histamine drug and efficient heterogeneous catalysis of Friedel-Crafts alkylation	2023	INORGANIC CHEMISTRY FRONTIERS	11	1	142	155		10.1039/d3qi01890c	ROYAL SOC CHEMISTRY	2052-1553		WoS

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1963	Article	Das Kanungo, A; Ila; Panda, S; Phukon, U; Sathiyendran, M; Krishnamoorthy, G	Excited state dynamics of a double ESIPT unit comprising fluorophore	2024	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	450					10.1016/j.jphotochem.2023.115412	ELSEVIER SCIENCE SA	1010-6030		WoS
1964	Article	Pottipati, S; Haq, I; Kalamdhad, AS	Large-scale production of a nutrient-rich soil conditioner by optimized biodegradation of vegetable waste: biodiversity and toxicity assessments	2024	BIOMASS CONVERSION AND BIOREFINERY	14	16	19581	19595		10.1007/s13399-023-04050-x	SPRINGER HEIDELBERG	2190-6815		WoS
1965	Review	Lader, SK; Baruah, M; Ballav, R; Bag, S	Recent Developments in Friction Stir Welding Tools for Weld Bead Defects Minimization - A Review	2023	SOLDAGEM & INSPECAO	28					10.1590/0104-9224/SI28.06	ASSOC BRASIL SOLDAGEM	0104-9224	gold	WoS
1966	Article	Kumar, A; Saradhi, VV; Tamarapalli, V	Compressive sensing of Internet traffic data using relative-error bound tensor-CUR decomposition	2024	JOURNAL OF NETWORK AND COMPUTER APPLICATIONS	224					10.1016/j.jnca.2024.103830	ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD	1084-8045		WoS
1967	Article	Dixit, A; von Eynatten, H; Schöning, J; Karius, V; Mahanta, C; Dutta, S	Intra-Seasonal Variability in Sediment Provenance and Transport Processes in the Brahmaputra Basin	2023	JOURNAL OF GEOPHYSICAL RESEARCH-EARTH SURFACE	128	6				10.1029/2023JF007105	AMER GEOPHYSICAL UNION	2169-9003	hybrid, Green Published	WoS
1968	Article	Chel, H; Bora, PK; Ramchiary, KK	A Fast Level-Set Curve-Flow Formulation by Logarithmic Step-Size Control for Brain Ultrasound Image Segmentation	2023	IEEE ACCESS	11		131897	1E+05		10.1109/ACCESS.2023.3335045	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
1969	Article	Roy, K; Moholkar, VS	Carbamazepine degradation using ternary hybrid advanced oxidation process of hydrodynamic cavitation plus photocatalysis (UV/ZnO/ZnFe2O4) + persulfate: Kinetic investigations	2024	JOURNAL OF WATER PROCESS ENGINEERING	58					10.1016/j.jwpe.2024.104874	ELSEVIER	2214-7144		WoS
1970	Review	Kumar, D; Kore, SD; Nandy, A	Electromagnetic Joining for Multi-material Tubular Components: A Comprehensive Review	2024	INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING-GREEN TECHNOLOGY	11	5	1601	1636		10.1007/s40684-024-00599-8	KOREAN SOC PRECISION ENG	2288-6206		WoS
1971	Article	Bandyopadhyay, A; Ghibhela, B; Shome, S; Hoque, S; Nandi, SK; Mandal, BB	Photo-Polymerizable Autologous Growth-Factor Loaded Silk-Based Biomaterial-Inks toward 3D Printing-Based Regeneration of Meniscus Tears	2024	ADVANCED BIOLOGY	8	5				10.1002/adbi.202300710	WILEY-V C H VERLAG GMBH	2701-0198		WoS
1972	Article	Das, J; Sahu, PK	Influence of tool positions variation on axial force, torque sensitivity, mechanical and microstructure properties of Al/Cu dissimilar FSW	2025	ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES	11	1	299	319		10.1080/2374068X.2024.2307072	TAYLOR & FRANCIS LTD	2374-068X		WoS
1973	Article	Das, P; Gupta, J; Sikdar, D; Bhattacharjee, R	Aperture-patch sandwich metasurface for magnetic field enhancement in 1.5 T MRI	2023	MAGNETIC RESONANCE IMAGING	100		1	9		10.1016/j.mri.2023.03.005	ELSEVIER SCIENCE INC	0730-725X		WoS

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1974	Article	Chatterjee, K; Zhang, J; Dixit, US	Kalman filtering for estimation of closed-die forging load based on shop floor data	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	238	7	2782	2800		10.1177/09544062231202324	SAGE PUBLICATIONS LTD	0954-4062		WoS
1975	Review	Shah, TA; Sarkar, T; Kar, S; Maharana, PK; Talukdar, K; Punniyamurthy, T	Transition-Metal-Catalyzed Directed C-H Functionalization in/on Water	2024	CHEMISTRY-AN ASIAN JOURNAL	19	1				10.1002/asia.202300815	WILEY-V C H VERLAG GMBH	1861-4728		WoS
1976	Article	Su, YH; Bhowmick, P; Lanzon, A	Properties of interconnected negative imaginary systems and extension to formation-containment control of networked multi-UAV systems with experimental validation results	2025	ASIAN JOURNAL OF CONTROL	27	1	99	116		10.1002/asjc.3258	WILEY	1561-8625	hybrid	WoS
1977	Article	Mittal, A; Grover, R; Kundu, D; Mitra, A	On Efficient Parameter Estimation of Elementary Chirp Model	2023	IEEE TRANSACTIONS ON SIGNAL PROCESSING	71		2352	2365		10.1109/TSP.2023.3286273	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1053-587X		WoS
1978	Article	Agrawal, A; Mitra, D; Ganguly, A	A model for failure-time data with two dependent failure modes and prediction of future failures	2025	QUALITY ENGINEERING	37	1	1	14		10.1080/08982112.2024.2321839	TAYLOR & FRANCIS INC	0898-2112	Green Submitted	WoS
1979	Article	Saikia, PJ; Kumar, M; Kumar, A; Muthu, N	Experimental estimation and numerical validation of cohesive zone parameters in hydroxyl functionalized MWCNTs-reinforced CFRP under pure mode II loading	2024	POLYMER COMPOSITES	45	9	8236	8250		10.1002/pc.28337	WILEY	0272-8397		WoS
1980	Article	Ghosh, P; Shokeen, K; Mondal, S; Kandasamy, T; Kumar, S; Ghosh, SS; Iyer, PK	Amyloid Targeting Red Emitting AIE Dots for Diagnostic and Therapeutic Application against Alzheimer's Disease	2024	ACS CHEMICAL NEUROSCIENCE	15	2	268	277		10.1021/acscchemneuro.3c00473	AMER CHEMICAL SOC	1948-7193		WoS
1981	Article	Abbas, M; Narayan, J; Dwivedy, SK	Event-triggered adaptive control for upper-extremity therapeutic robot in active-assist mode: A simulation study	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	238	10	4628	4643		10.1177/09544062231208722	SAGE PUBLICATIONS LTD	0954-4062		WoS
1982	Article	Hazarika, J; Khan, MT; Ahamed, SR; Nemade, HB	An Efficient Implementation Approach to FFT Processor for Spectral Analysis	2023	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	72					10.1109/TIM.2023.3301891	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9456		WoS
1983	Article	Das, B; Chakraborty, N; Dhara, HN; Bhattacharyya, P; Patel, BK	Access to Chromenopyrrole via Tandem [3+2] Cycloaddition and Intramolecular C-O Coupling	2024	JOURNAL OF ORGANIC CHEMISTRY	89	2	1331	1335		10.1021/acs.joc.3c02479	AMER CHEMICAL SOC	0022-3263		WoS
1984	Article	Kumar, R; Dhar, D	A think-aloud study: Exploring the effects of digital vs. print comics on reading efficiency and comprehension	2024	EDUCATION AND INFORMATION TECHNOLOGIES	29	10	12143	12166		10.1007/s10639-023-12281-8	SPRINGER	1360-2357		WoS

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1985	Article	Thombre, AV; Kundu, D	Ionic liquid promoted extraction of gold(III) from electronic waste: a modeling study	2023	SEPARATION SCIENCE AND TECHNOLOGY	58	15-16	2641	2654		10.1080/01496395.2023.2223759	TAYLOR & FRANCIS INC	0149-6395		WoS
1986	Review	Ekka, JP; Kumar, D	A review of industrial food processing using solar dryers with heat storage systems	2023	JOURNAL OF STORED PRODUCTS RESEARCH	101					10.1016/j.jspr.2023.102090	PERGAMON-ELSEVIER SCIENCE LTD	0022-474X		WoS
1987	Article	Choudhury, R; Ahamed, SR; Guha, P	Pipelined training accelerator for portable devices	2024	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	177					10.1016/j.aeue.2024.155167	ELSEVIER GMBH	1434-8411		WoS
1988	Article	Atif, N; Mazhar, S; Ahamed, SR; Bhuyan, MK; Alfarhood, S; Safran, M	DMPNet: Distributed Multi-Scale Pyramid Network for Real-Time Semantic Segmentation	2024	IEEE ACCESS	12		16573	16585		10.1109/ACCESS.2024.3359425	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
1989	Article	Rajasekhar, R; Mandal, DD; Mandal, TK	A highly sensitive hybrid digital sensor for room temperature arsenic detectionre	2023	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	11	5				10.1016/j.jece.2023.110381	ELSEVIER SCI LTD	2213-2929		WoS
1990	Article	Gupta, L; Agrawal, N; Dixit, J; Dutta, S	A GIS-based assessment of active tectonics from morphometric parameters and geomorphic indices of Assam Region, India	2022	JOURNAL OF ASIAN EARTH SCIENCES-X	8					10.1016/j.jaesx.2022.100115	ELSEVIER	2590-0560	gold, Green Submitted	WoS
1991	Review	Mitra, S; Basak, M; Saini, B	Review-Recent Advances of Micro/Nano-Motor-Facilitated Electrochemical Sensor Development	2024	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	171	3				10.1149/1945-7111/ad2d88	ELECTROCHEMICAL SOC INC	0013-4651		WoS
1992	Article	Debnath, M; Mahanta, C; Sarma, AK; Upadhyaya, A; Das, A	Participatory design to investigate the effects of farmers' fertilization practices under unsubmerged conditions toward efficient nutrient uptake in rainfed rice	2023	SOUTH AFRICAN JOURNAL OF BOTANY	163		338	347		10.1016/j.sajb.2023.10.055	ELSEVIER	0254-6299		WoS
1993	Article	Wahengbam, K; Devi, KL; Singh, AD	Fortifying Brain Signals for Robust Interpretation	2023	IEEE TRANSACTIONS ON NETWORK SCIENCE AND ENGINEERING	10	2	742	753		10.1109/TNSE.2022.3222362	IEEE COMPUTER SOC	2327-4697		WoS
1994	Article	Saha, S; Hota, A; Choudhury, B; Nag, A; Nandi, S	NTRU and Secret Sharing Based Secure Group Communication for IoT Applications	2023	IEEE ACCESS	11		117341	1E+05		10.1109/ACCESS.2023.3325305	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
1995	Article	Chandukishore, T; Das, S; Das, P; Veeranki, VD; Prabhu, AA	Re-routing the hemicellulosic fraction of lignocellulosic biomass toward value added products: A pragmatic bio refinery approach	2024	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	12	2				10.1016/j.jece.2024.111971	ELSEVIER SCI LTD	2213-2929		WoS
1996	Article	Ray, I; Nandi, S	Test of new physics effects in (B)over-bar→(D(*),π)l- (ν)over-barl decays with heavy and light leptons	2024	JOURNAL OF HIGH ENERGY PHYSICS		1				10.1007/JHEP01(2024)022	SPRINGER	1029-8479	gold	WoS
1997	Article	Jelil, S; Sinha, R; Prasanna, SRM	Spectro-Temporally Compressed Source Features for Replay Attack Detection	2024	IEEE SIGNAL PROCESSING LETTERS	31		721	725		10.1109/LSP.2024.3370490	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1070-9908		WoS

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1998	Review	Saikia, PJ; Pathak, L; Mitra, S; Das, B	The emerging role of oral microbiota in oral cancer initiation, progression and stemness	2023	FRONTIERS IN IMMUNOLOGY	14					10.3389/fimmu.2023.1198269	FRONTIERS MEDIA SA	1664-3224	gold, Green Published	WoS
1999	Article	Abbas, G; Singh, V; Singh, N; Sain, R	Flavour bounds on the flavon of a minimal and a non-minimal Z2 x ZN symmetry	2023	EUROPEAN PHYSICAL JOURNAL C	83	4				10.1140/epjc/s10052-023-11471-5	SPRINGER	1434-6044	Green Accepted, gold	WoS
2000	Article	Mishra, D; Sonkar, RK	A TCAD study on the effect of process parameters on silicon optical phase shifter performance	2023	FRONTIERS IN PHYSICS	11					10.3389/fphy.2023.1123885	FRONTIERS MEDIA SA	2296-424X	gold	WoS
2001	Article	Chattopadhyay, A; Das, S	Commutants and complex symmetry of finite Blaschke product multiplication operator in L2(T)	2024	PROCEEDINGS OF THE EDINBURGH MATHEMATICAL SOCIETY	67	1	261	286		10.1017/S0013091523000809	CAMBRIDGE UNIV PRESS	0013-0915		WoS
2002	Article	Panda, C; Sharma, P; Dixit, US; Pandey, LM	Potential and Prospective of Traditional Indian Medicinal Plants for the Treatment of Diabetes	2023	JOURNAL OF BIOLOGICALLY ACTIVE PRODUCTS FROM NATURE	13	4	316	360		10.1080/22311866.2023.2262964	TAYLOR & FRANCIS LTD	2231-1866		WoS
2003	Article	Tribedi, T; Tiwari, P; Pant, HJ; Upadhyay, RK	Solid Phase Macromixing Study in a Pilot-Scale Geldart Group B Circulating Fluidized Bed Riser Using Single Particle RTD and RPT Measurements	2023	ACS ENGINEERING AU	3	3	165	172		10.1021/acsengineeringau.2c00049	AMER CHEMICAL SOC		gold	WoS
2004	Article	Tribedi, T; Tiwari, P; Pant, HJ; Upadhyay, RK	Solid Flow Mapping at the Bottom Section of a Pilot-Plant Scale Riser with the Help of a Radioactive Particle Tracking Technique	2023	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	62	45	19133	19144		10.1021/acs.iecr.3c00788	AMER CHEMICAL SOC	0888-5885		WoS
2005	Article	Thakuria, A; Singh, KK; Dutta, A; Corton, E; Stom, D; Barbora, L; Goswami, P	Phytoremediation of toxic chemicals in aquatic environment with special emphasis on duckweed mediated approaches	2023	INTERNATIONAL JOURNAL OF PHYTOREMEDIATION	25	13	1699	1713		10.1080/15226514.2023.2188423	TAYLOR & FRANCIS INC	1522-6514		WoS
2006	Article	Faraz, S; Kumar, M; Khan, A; Ponneganti, S; Radhakrishnanand, P	Metal- and solvent-free synthesis of 2-benzyl-3-arylquinoline using a pseudo-three-component reaction	2023	TETRAHEDRON LETTERS	115					10.1016/j.tetlet.2022.154283	PERGAMON-ELSEVIER SCIENCE LTD	0040-4039		WoS
2007	Article	Goswami, B; Bhuyan, MK; Alfarhood, S; Safran, M	Classification of Oral Cancer Into Pre-Cancerous Stages From White Light Images Using LightGBM Algorithm	2024	IEEE ACCESS	12		31626	31639		10.1109/ACCESS.2024.3370157	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2008	Article	Kumari, R; Kasina, B; Gupta, R; Pant, HJ; Upadhyay, RK	Effect of novel mixed impeller on local bubble size and flow regime transition in pilot scale gas-liquid stirred tank reactor	2024	CHEMICAL PRODUCT AND PROCESS MODELING	19	2	229	249		10.1515/cppm-2023-0050	WALTER DE GRUYTER GMBH	1934-2659		WoS
2009	Article	Sarmah, S; Maji, D; Ravi, S; Bora, T	Effect of Cr3+substitution on the magnetic and dielectric properties of cobalt ferrites	2023	JOURNAL OF ALLOYS AND COMPOUNDS	960					10.1016/j.jallcom.2023.170589	ELSEVIER SCIENCE SA	0925-8388		WoS
2010	Editorial Material	Shakya, D; Agarwal, M; Deshpande, V; Kumar, B	Closure to Estimating Particle Froude Number of Sewer Pipes by Boosting Machine-Learning Models	2024	JOURNAL OF PIPELINE SYSTEMS ENGINEERING AND PRACTICE	15	1				10.1061/JPSEA2.PSENG-1537	ASCE-AMER SOC CIVIL ENGINEERS	1949-1190		WoS

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2011	Article	Brockmueller, A; Girisa, S; Motallebi, M; Kunnumakkara, AB; Shakibaei, M	Calebin A targets the HIF-1α/NF-κB pathway to suppress colorectal cancer cell migration	2023	FRONTIERS IN PHARMACOLOGY	14					10.3389/fphar.2023.1203436	FRONTIERS MEDIA SA		gold, Green Published	WoS
2012	Article	Banerjee, R; Bhattacharya, S; Majhi, BR	Formulation of Galilean relativistic Born-Infeld theory	2024	EUROPEAN PHYSICAL JOURNAL C	84	2				10.1140/epjc/s10052-024-12480-8	SPRINGER	1434-6044	gold	WoS
2013	Article	Srivastava, M; Saha, P; Srinivasan, A	Highly ordered single domain Fe2-xCo1+xGa (0 ≤ x ≤ 1) nanoparticles synthesized by a template-less chemical route	2024	MATERIALS RESEARCH BULLETIN	172					10.1016/j.materresbull.2023.112659	PERGAMON-ELSEVIER SCIENCE LTD	0025-5408		WoS
2014	Article	Singh, LG; Singh, SR	Sentiment analysis of tweets using text and graph multi-views learning	2024	KNOWLEDGE AND INFORMATION SYSTEMS	66	5	2965	2985		10.1007/s10115-023-02053-8	SPRINGER LONDON LTD	0219-1377	Green Accepted, hybrid	WoS
2015	Article	Bhat, C; Kumar, A; Lin, SC; Jeng, JY	Design, fabrication, and properties evaluation of novel nested lattice structures*	2023	ADDITIVE MANUFACTURING	68					10.1016/j.addma.2023.103510	ELSEVIER	2214-8604		WoS
2016	Article	Thomas, A; Deka, K; Sharma, S; Rajamohan, N	IRS-Assisted OTFS System: Design and Analysis	2023	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY	72	3	3345	3358		10.1109/TVT.2022.3217140	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9545		WoS
2017	Article	Devi, S; Sahoo, N; Muthukumar, P	Impact of porous materials on the performance of a biogas porous burner	2025	BIOMASS CONVERSION AND BIOREFINERY	15	3	3691	3705		10.1007/s13399-023-05240-3	SPRINGER HEIDELBERG	2190-6815		WoS
2018	Article	Parmar, D; Rao, M	Population Control and Eugenics: Dhanvanthi Rama Rau and Margaret Sanger in the Making of India's Family Planning Programme, 1930s-1960s	2023	INDIAN JOURNAL OF GENDER STUDIES	30	3	330	349		10.1177/09715215231183624	SAGE PUBLICATIONS INDIA PVT LTD	0971-5215		WoS
2019	Article	Mishra, D; Minz, M; Sonkar, RK	Subwavelength grating-based silicon photonic TE mode division multiplexer for C plus L band operation	2023	NANO COMMUNICATION NETWORKS	38					10.1016/j.nancom.2023.100467	ELSEVIER	1878-7789		WoS
2020	Article; Early Access	Kirupakaran, AM; Yadav, KS; Laskar, RH; Bhuyan, MK	A coherent framework for simultaneous detection and spotting of the nucleus phase from the mid-air gesticulation of alphanumeric keys	2023	SOFT COMPUTING						10.1007/s00500-023-08257-y	SPRINGER	1432-7643		WoS
2021	Article	Gogoi, D; Bhattarai, S; Das, TD	A numerical investigation for performance enhancement of organic solar cell using Al-doped zinc oxide anode	2024	INDIAN JOURNAL OF PHYSICS	98	8	2705	2717		10.1007/s12648-023-03042-x	INDIAN ASSOC CULTIVATION SCIENCE	0973-1458		WoS
2022	Article	Mondal, S; Vashi, Y; Ghosh, P; Kalita, P; Kumar, S; Iyer, PK	Self-Assembly Driven Formation of Functional Ultralong Artificial Fibers to Mitigate the Neuronal Damage Associated with Alzheimer's Disease	2023	ACS APPLIED BIO MATERIALS	6	10	4383	4391		10.1021/acsabm.3c00583	AMER CHEMICAL SOC	2576-6422		WoS
2023	Editorial Material	Bicer, Y; Khalid, F	Guest editorial for special issue (SI-WHEC2022) on 'Hydrogen Energy systems and sustainable development'	2023	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	48	99	38935	38935		10.1016/j.ijhydene.2023.10.119	PERGAMON-ELSEVIER SCIENCE LTD	0360-3199		WoS

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2024	Article	Debnath, S; Rajalakshmi, VS; Kumar, D; Das, B; Vasudev, PG; Satpati, P; Chatterjee, S	Ambidexterity and Left-Handedness Induced by Geminally Disubstituted ? Amino Acid Residues in Chiral 310 Helices	2023	ACS OMEGA	8	39	36370	36385		10.1021/acsomega.3c05124	AMER CHEMICAL SOC	2470-1343	gold, Green Published	WoS
2025	Article	Sinha, R; Roy, N; Mandal, TK	N-Doped Carbon Dots and ZnO Conglomerated Electrodes for Optically Responsive Supercapacitor Applications	2023	LANGMUIR	39	12	4518	4529		10.1021/acs.langmuir.3c00300	AMER CHEMICAL SOC	0743-7463		WoS
2026	Editorial Material	Siddique, HR; Kunnumakkara, AB	The Preface	2024	CANCER AND METASTASIS REVIEWS	43	1	3	3		10.1007/s10555-024-10180-z	SPRINGER	0167-7659	hybrid	WoS
2027	Article	Borah, D; Das, SJ; Samanta, R; Urban, FR	PBH-infused seesaw origin of matter and unique gravitational waves	2023	JOURNAL OF HIGH ENERGY PHYSICS		3				10.1007/JHEP03(2023)127	SPRINGER	1029-8479	gold	WoS
2028	Article	Kumari, I; Singh, PK; Gowtham, SN; Nandi, S; Ghosh, U; Rawat, DB	RFPM: A RSU-aided framework for pseudonym management to preserve location privacy in IoV	2024	SECURITY AND PRIVACY	7	1				10.1002/spy2.329	WILEY	2475-6725		WoS
2029	Article	Kumar, A; Sarma, R; Bag, S; Srivastava, VC; Kapil, S	Physics-informed machine learning models for the prediction of transient temperature distribution of ferritic steel in directed energy deposition by cold metal transfer	2023	SCIENCE AND TECHNOLOGY OF WELDING AND JOINING	28	9	914	922		10.1080/13621718.2023.2247242	SAGE PUBLICATIONS INC	1362-1718		WoS
2030	Article	Mehta, SK; Kumar, D; Mondal, PK; Wongwises, S	Characterization of thermal-hydraulics in wavy solar power plant: effect of thermal dispersion	2024	MICROSYSTEM TECHNOLOGIES-MICRO- AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS	30	9	1067	1078		10.1007/s00542-023-05507-9	SPRINGER HEIDELBERG	0946-7076		WoS
2031	Article	Haque, MR; Maity, D	Gravitational reheating	2023	PHYSICAL REVIEW D	107	4				10.1103/PhysRevD.107.043531	AMER PHYSICAL SOC	2470-0010	hybrid, Green Submitted	WoS
2032	Article	Prajapati, MJ; Kumar, A; Lin, SC; Jeng, JY	Reducing mechanical anisotropy in material extrusion process using bioinspired architected lattice structures	2023	ADDITIVE MANUFACTURING	66					10.1016/j.addma.2023.103480	ELSEVIER	2214-8604		WoS
2033	Article	Mayeen, H; Ojha, RK; Dwivedy, SK	Instability Regions of a laminated Sandwich Plate with MRE Core Under Parametric Excitation Using Finite Element Method	2023	INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES	30	1	122	131		10.56042/ijems.v1i1.46198	NATL INST SCIENCE COMMUNICATION-NISCAIR	0971-4588		WoS
2034	Article	Qais, I; Bhawal, C; Pal, D	OPTIMAL SINGULAR LQR PROBLEM: A PD FEEDBACK SOLUTION	2023	SIAM JOURNAL ON CONTROL AND OPTIMIZATION	61	4	2655	2681		10.1137/22M1496414	SIAM PUBLICATIONS	0363-0129		WoS
2035	Article	Chattopadhyay, J; Laxmi, H; Saikia, A	Structure of 2-class groups in the Z2-extensions of certain real quadratic fields	2023	RESEARCH IN NUMBER THEORY	9	4				10.1007/s40993-023-00478-2	SPRINGER INT PUBL AG	2522-0160		WoS
2036	Article	Haque, MR; Maity, D; Mondal, R	WIMPs, FIMPs, and Inflaton phenomenology via reheating, CMB and ?Neff	2023	JOURNAL OF HIGH ENERGY PHYSICS		9				10.1007/JHEP09(2023)012	SPRINGER		gold	WoS

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2037	Article	Das, S; Maurya, AK; Dey, A	A recurrent neural network model for predicting two-leader car-following behavior	2024	TRANSPORTATION LETTERS-THE INTERNATIONAL JOURNAL OF TRANSPORTATION RESEARCH	16	5	461	475		10.1080/19427867.2023.2205190	TAYLOR & FRANCIS LTD	1942-7867		WoS
2038	Review	Saha, A; Sekharan, S	Potential Application of Superabsorbent Hydrogel Composite in Geotechnical Engineering Focusing Sustainability: State-of-the-Art Review	2024	INDIAN GEOTECHNICAL JOURNAL	54	3	1095	1116		10.1007/s40098-024-00867-z	SPRINGER INDIA	0971-9555		WoS
2039	Article	Kumar, M; Mondal, PK	Magneto-Convective Transport of Immiscible Binary Fluids in Inclined Channel	2023	JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME	145	9				10.1115/1.4062520	ASME	0098-2202		WoS
2040	Article	Srivyas, PD; Gupta, A; Medhi, T; Arumugam, S; Kumar, D; Mohan, S	Corrosion and Tribo-Investigations on Alumina-Graphene-Doped Hybrid Aluminium Composites	2023	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	76	12	3281	3291		10.1007/s12666-023-02999-x	SPRINGER INDIA	0972-2815		WoS
2041	Article	Sorenson, C; Ding, LK; Zamalloa, C; Arsenault, A; Devi, ND; Hu, B	Illuminated septic tank - A microalgae assisted onsite wastewater treatment system	2023	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	11	5				10.1016/j.jece.2023.110768	ELSEVIER SCI LTD	2213-2929		WoS
2042	Review	Kumari, P; Mamud, A; Jha, AN	Review on the Drug Intolerance and Vaccine Development for the Leishmaniasis	2023	CURRENT DRUG TARGETS	24	13	1023	1031		10.2174/0113894501254585230927100440	BENTHAM SCIENCE PUBL LTD	1389-4501		WoS
2043	Article	Ozarde, AP; McNay, GH; Gautam, SS	Fretting Fatigue Damage and Life Evaluation of Cylinder Head Gasket Using Deviatoric Strain Amplitude-Based Parameter Corrected for Surface Wear Damage	2023	SAE INTERNATIONAL JOURNAL OF ENGINES	16	4	413	427		10.4271/03-16-04-0024	SAE INT	1946-3936		WoS
2044	Article	Borah, R; Mattaparthi, VSK; Hazarika, G	Assessment of the Comparative Interactions of Cuminaldehyde with Bovine Serum Albumin and Human Serum Albumin Through Spectroscopic and Molecular Docking Investigation	2024	JOURNAL OF SOLUTION CHEMISTRY	53	8	1130	1148		10.1007/s10953-024-01367-7	SPRINGER/PLENUM PUBLISHERS	0095-9782	Green Submitted	WoS
2045	Article	Mazumder, S; Sinha, A; Ghosh, S; Sharma, GC; Prusty, BM; Manna, D; Pal, D; Pal, C; Dasgupta, S	Leishmania LPG interacts with LRR5/LRR6 of macrophage TLR4 for parasite invasion and impairs the macrophage functions	2023	PATHOGENS AND DISEASE	81					10.1093/femspd/ftad019	OXFORD UNIV PRESS	2049-632X		WoS
2046	Article	Kumar, RV; Basumatary, AK; Pugazhenthii, G	Fabrication of industrially feasible zeolite membrane for the removal of hexavalent chromium	2023	INTERNATIONAL JOURNAL OF ENVIRONMENT AND SUSTAINABLE DEVELOPMENT	22	4	375	392		10.1504/IJESD.2023.133822	INDERSCIENCE ENTERPRISES LTD	1474-6778		WoS
2047	Article	Yadav, RS; Kaya, SK; Pant, A; Tiwari, A	AI-enabled human capital management (HCM) software adoption using full consistency method (FUCOM): evidence from banking industry	2025	GLOBAL KNOWLEDGE MEMORY AND COMMUNICATION	74	5/6	1724	1746		10.1108/GKMC-04-2023-0128	EMERALD GROUP PUBLISHING LTD	2514-9342		WoS

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2048	Article	Saha, S; Chattopadhyay, AK; Barman, AK; Nag, A; Nandi, S	Secret Image Sharing Schemes: A Comprehensive Survey	2023	IEEE ACCESS	11		98333	98361		10.1109/ACCESS.2023.3304055	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2049	Article	Patwa, D; Dubey, AA; Ravi, K; Sreedeeep, S	Investigation of thermal and strength characteristics of a natural backfill composite inspired by synergistic biochar-biopolymer amendment of clay loam	2024	CANADIAN GEOTECHNICAL JOURNAL	61	6	1073	1093		10.1139/cgj-2022-0528	CANADIAN SCIENCE PUBLISHING	0008-3674		WoS
2050	Article	Das, SK; Agrawal, V; Gautam, SS	Assessment of various isogeometric contact surface refinement strategies	2024	JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING	46	4				10.1007/s40430-024-04712-5	SPRINGER HEIDELBERG	1678-5878		WoS
2051	Article	Chandra, R; Ranjan, M	Artificial intelligence for topic modelling in Hindu philosophy: Mapping themes between the Upanishads and the Bhagavad Gita	2022	PLOS ONE	17	9				10.1371/journal.pone.0273476	PUBLIC LIBRARY SCIENCE		gold, Green Submitted , Green Published	WoS
2052	Article	Basumatary, H; Debnath, A; Barma, MKD; Bhattacharyya, BK	Performance Analysis of Centroid-based Routing Protocol in Wireless Sensor Networks	2024	IETE TECHNICAL REVIEW	41	2	187	199		10.1080/02564602.2023.2230947	TAYLOR & FRANCIS LTD	0256-4602		WoS
2053	Article	Vishwakarma, VK; Roy, M; Singh, R; Rao, DSS; Paily, R; Sudhakar, AA	Liquid-Crystalline Naphthalene and Perylene Bisimides with a D2-?2-A Architecture for High-Mobility Organic Field-Effect Transistors	2023	ACS APPLIED ELECTRONIC MATERIALS	5	4	2351	2364		10.1021/acsaelm.3c00179	AMER CHEMICAL SOC			WoS
2054	Article	Thakur, A; Kalimullah, NMM; Shelke, A; Hazra, B; Kundu, T	NG-DPSM: A neural green-distributed point source method for modelling ultrasonic field emission near fluid-solid interface using physics informed neural network	2024	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	131					10.1016/j.engappai.2023.107828	PERGAMON-ELSEVIER SCIENCE LTD	0952-1976		WoS
2055	Article	Nath, H; Das, J; Debnath, C; Sarkar, B; Saxena, R; Barma, SD	Development of lignocellulosic biomass derived Cu and Zn doped highly porous activated carbon and its utilization in the anti-microbial treatment	2023	ENVIRONMENTAL CHEMISTRY AND ECOTOXICOLOGY	5		155	164		10.1016/j.enceco.2023.07.001	KEAI PUBLISHING LTD		gold	WoS
2056	Article	Mondal, SK; Patel, VD; Bharti, R; Singh, RP	Causes and effects of Shisper glacial lake outburst flood event in Karakoram in 2022	2023	GEOMATICS NATURAL HAZARDS & RISK	14	1				10.1080/19475705.2023.2264460	TAYLOR & FRANCIS LTD	1947-5705	gold	WoS
2057	Article	Patel, UK; Alom, N; Saha, UK	Aerodynamic analysis of a 2-stage elliptical-bladed Savonius wind rotor: Numerical simulation and experimental validation	2024	INTERNATIONAL JOURNAL OF GREEN ENERGY	21	1	102	115		10.1080/15435075.2023.2194975	TAYLOR & FRANCIS INC	1543-5075		WoS
2058	Article	Jith, JR; Bedamatta, R; Rajamohanan, K; Amma, LKRI; Sumitha, TS; Divya, CS; Sadanandan, R; Iype, T	The role of local governments in the implementation of evidence-based nutrition interventions in Kerala	2023	PUBLIC HEALTH ACTION	13		26	31		10.5588/pha.22.0026	INT UNION AGAINST TUBERCULOSIS LUNG DISEASE (I U A T L D)	2220-8372	Green Published, gold	WoS

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2059	Article	Cengizci, S; Ugur, Ö; Natesan, S	A SUPG formulation augmented with shock-capturing for solving convection-dominated reaction-convection-diffusion equations	2023	COMPUTATIONAL & APPLIED MATHEMATICS	42	5				10.1007/s40314-023-02370-2	SPRINGER HEIDELBERG	2238-3603		WoS
2060	Article	Modalavalasa, S; Chembolu, V; Dutta, S; Kulkarni, V	Laboratory investigation on flow structure and turbulent characteristics in low sinuous compound channels with vegetated floodplains	2023	JOURNAL OF HYDROLOGY	618					10.1016/j.jhydrol.2023.129178	ELSEVIER	0022-1694		WoS
2061	Article	Farooq, R; Lathabhavan, R; Tripathi, N	Learning in hybrid workplace: past, present and future	2024	LEARNING ORGANIZATION	31	1	1	4		10.1108/TLO-01-2024-302	EMERALD GROUP PUBLISHING LTD	0969-6474	Bronze	WoS
2062	Article	Nardon, E; Bandaru, V; Hoelzl, M; Artola, FJ; Maget, P	Non-linear dynamics of the double tearing mode	2023	PHYSICS OF PLASMAS	30	9				10.1063/5.0162608	AIP Publishing	1070-664X	Green Submitted	WoS
2063	Article	Kalita, B; Dwivedy, SK	Parametrically Excited Nonlinear Pneumatic Artificial Muscle Under Hard Excitation: A Theoretical and Experimental Investigation	2023	INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS	33	4				10.1142/S0218127423300082	WORLD SCIENTIFIC PUBL CO PTE LTD	0218-1274		WoS
2064	Article	Shakya, P; Sinha, RK	Analysis for the space-time a posteriori error estimates for mixed finite element solutions of parabolic optimal control problems	2024	NUMERICAL ALGORITHMS	96	2	879	924		10.1007/s11075-023-01669-9	SPRINGER	1017-1398		WoS
2065	Article	Cengizci, S; Ugur, Ö; Natesan, S	SUPG-YZβ computation of chemically reactive convection-dominated nonlinear models	2023	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	100	2	283	303		10.1080/00207160.2022.2114794	TAYLOR & FRANCIS LTD	0020-7160		WoS
2066	Article	Krishna, RS; Suresh, K; Mahesh, K; Sujith, R; Singh, SK	Influence of Chemical Milling on the Mechanical and Microstructural Properties of α Cased β-Titanium Alloy	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	33	20	11023	11036		10.1007/s11665-023-08713-8	SPRINGER	1059-9495		WoS
2067	Article; Early Access	Kumar, M; Kumar, NN; Mondal, PK	Irreversibility analysis of hydromagnetic viscoelastic Ag-Al2O3/water hybrid nanofluid over a stretching sheet	2023	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING						10.1177/09544089231193586	SAGE PUBLICATIONS LTD	0954-4089		WoS
2068	Article	Sah, PK; Kumar, SS; Sreedeeep, S	Thermal conductivity and specific volume heat capacity of bentonite-fly ash-based fluidized thermal backfill	2023	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	148	21	11607	11617		10.1007/s10973-023-12523-4	SPRINGER	1388-6150		WoS
2069	Article	Ahmed, A; Saikia, P; Ray, P; Dutta, R; Dolui, SK	A robust and highly compressible polyacrylamide co-polymer hydrogel developed through g-C3N4 initiated photopolymerisation and its photocatalytic activity towards dye removal	2024	NEW JOURNAL OF CHEMISTRY	48	9	3984	3997		10.1039/d3nj05474h	ROYAL SOC CHEMISTRY	1144-0546		WoS
2070	Article	Yadav, IJ; Singh, P; Chauhan, BS	Numerical analysis of gas-solid hydrodynamics and heat transfer characteristics in a multi-stage fluidized bed temperature stabilizer	2024	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	149	4	1617	1627		10.1007/s10973-023-12783-0	SPRINGER	1388-6150		WoS

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2071	Article	Borah, B; Naik, S; Abhishek, V; Kaushik, HB; Singhal, V	Influence of Wall Openings on Nonlinear Lateral Load Response of Reinforced Concrete Frames with Masonry Infills: A Finite Element Study	2024	INTERNATIONAL JOURNAL OF CIVIL ENGINEERING	22	4	619	637		10.1007/s40999-023-00922-5	SPRINGER INT PUBL AG	1735-0522		WoS
2072	Article	Aziz, F; Kamal, SM; Dixit, US	Enhancing Fatigue Life of Thick-Walled Cylinders through a Hybrid Rotational-Swage Autofrettage-Induced Residual Stresses	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	33	8	3939	3956		10.1007/s11665-023-09090-y	SPRINGER	1059-9495		WoS
2073	Article	Kumbhakar, S; Sain, R; Vardani, J	Lepton flavor violating $B \rightarrow K2^* (1430) \mu \pm \tau \pm$ decays	2023	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	50	9				10.1088/1361-6471/ace923	IOP Publishing Ltd	0954-3899	hybrid, Green Submitted	WoS
2074	Article	Shyam, S; Banerjee, U; Mondal, PK; Mitra, SK	Impact dynamics of ferrofluid droplet on a PDMS substrate under the influence of magnetic field	2023	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	661					10.1016/j.colsurfa.2022.130911	ELSEVIER	0927-7757		WoS
2075	Article	Mandal, A; Thakur, A; Goyal, A	Role of carbohydrate binding modules, CBM3A and CBM3B in stability and catalysis by a 8-1,4 endoglucanase, AtGH9C-CBM3A-CBM3B from Acetivibrio thermocellus ATCC 27405	2023	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	242					10.1016/j.ijbiomac.2023.125164	ELSEVIER	0141-8130		WoS
2076	Article	Uniyal, A; Pantig, RC; Övgün, A	Probing a non-linear electrodynamics black hole with thin accretion disk, shadow, and deflection angle with M87*and Sgr A* from EHT	2023	PHYSICS OF THE DARK UNIVERSE	40					10.1016/j.dark.2023.101178	ELSEVIER		Green Submitted	WoS
2077	Article	Chattopadhyay, A; Pradhan, C; Skripka, A	Approximation of the Spectral Action Functional in the Case of t-Compact Resolvents	2023	INTEGRAL EQUATIONS AND OPERATOR THEORY	95	3				10.1007/s00020-023-02740-9	SPRINGER BASEL AG	0378-620X		WoS
2078	Article; Early Access	Chettri, D; Verma, AK; Ghosh, S; Verma, AK	Biogas from lignocellulosic feedstock: current status and challenges	2023	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH						10.1007/s11356-023-29805-x	SPRINGER HEIDELBERG	0944-1344		WoS
2079	Article	Kumar, K; Patro, P; Raut, U; Yadav, V; Barbora, L; Moholkar, VS	Elucidating the molecular mechanism of ultrasound-enhanced lipase-catalyzed biodiesel synthesis: a computational study	2024	BIOMASS CONVERSION AND BIOREFINERY	14	23	29853	29864		10.1007/s13399-023-04742-4	SPRINGER HEIDELBERG	2190-6815		WoS
2080	Article	Verma, S; Kumar, A; Jeng, JY	Ventilated surface-based lattice structures designed for polymer powder bed fusion process	2024	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	132	1-2	113	126		10.1007/s00170-024-13304-5	SPRINGER LONDON LTD	0268-3768	Green Submitted	WoS
2081	Article	Singh, PK; Kumar, S; Jain, PK; Dixit, US	Effect of Build Orientation on Metallurgical and Mechanical Properties of Additively Manufactured Ti-6Al-4V Alloy	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	33	7	3476	3493		10.1007/s11665-023-08218-4	SPRINGER	1059-9495		WoS
2082	Article	Naga, S; Chakrabartyb, SP; Basuc, S	Single event transition risk: A measure for long term carbon exposure	2023	METHODSX	10					10.1016/j.mex.2023.102001	ELSEVIER		Green Published, Green Submitted	WoS

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2083	Article	Tao, H; Zheng, ZY; Gupta, R; Leung, SSY	Transient simulation of oscillatory gas-liquid Taylor flow and its effects on heat transfer	2024	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	222					10.1016/j.ijheatmasstransfer.2024.125177	PERGAMON-ELSEVIER SCIENCE LTD	0017-9310		WoS
2084	Article	Subramaniyan, MK; Veeman, D; Kennedy, SGJ; Panda, B; Yang, CH	Mechanical performance and microscopic characterization of additively manufactured functionally graded material (WPC/Ceramic-PLA) via fused deposition modelling	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING	238	6	2642	2651		10.1177/09544089231166497	SAGE PUBLICATIONS LTD	0954-4089		WoS
2085	Article	Ghosal, M; Rakshit, T; Bhattacharya, S; Bhattacharyya, S; Satpati, P; Senapati, D	E-Protein Protonation Titration-Induced Single-Particle Chemical Force Spectroscopy for Microscopic Understanding and pI Estimation of Infectious DENV	2024	JOURNAL OF PHYSICAL CHEMISTRY B	128	13	3133	3144		10.1021/acs.jpcb.4c00057	AMER CHEMICAL SOC	1520-6106	Green Submitted	WoS
2086	Article	Gorain, B; Mandal, PS; Mondal, K; Pandit, S	Collaborative dispersion by silent robots	2024	JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING	188					10.1016/j.jpdc.2024.104852	ACADEMIC PRESS INC ELSEVIER SCIENCE	0743-7315	Green Submitted	WoS
2087	Article	Kumar, S; Kumar, B; Deshpande, V; Agarwal, M	Predicting flow velocity in a vegetative alluvial channel using standalone and hybrid machine learning techniques	2023	EXPERT SYSTEMS WITH APPLICATIONS	232					10.1016/j.eswa.2023.120885	PERGAMON-ELSEVIER SCIENCE LTD	0957-4174		WoS
2088	Article	Borah, D; Ma, E; Nanda, D	Dark SU(2) → Z3 x Z2 gauge symmetry	2023	PHYSICS LETTERS B	842					10.1016/j.physletb.2023.137981	ELSEVIER	0370-2693	Green Accepted, gold	WoS
2089	Article	Rattan, B; Dwivedi, M; Garg, A; Sekharan, S; Sahoo, L	Combined influence of water-absorbing polymer and vegetation on soil water characteristic curve under field condition	2024	PLANT AND SOIL	499	1-2	491	502		10.1007/s11104-023-06474-w	SPRINGER	0032-079X		WoS
2090	Article	Mallik, R; Saha, M; Singh, V; Mohan, H; Kumaran, SS; Mukherjee, C	Mn(II) complex impregnated porous silica nanoparticles as Zn(II)-responsive "Smart" MRI contrast agent for pancreas imaging	2023	JOURNAL OF MATERIALS CHEMISTRY B	11	34	8251	8261		10.1039/d3tb01289a	ROYAL SOC CHEMISTRY	2050-750X		WoS
2091	Article	Jahedi, S; Lahiri, J	Probing anomalous ZZγ and Zγγ couplings at the e+e- colliders using optimal observable technique	2023	JOURNAL OF HIGH ENERGY PHYSICS		4				10.1007/JHEP04(2023)085	SPRINGER	1029-8479	gold	WoS
2092	Article	Mahato, K; Baranwal, A; Kumari, R; Srivastava, A; Azad, UP; Chandra, P	Differential electrochemical behaviour of phytofabricated and chemically synthesized silver nanoparticles towards hydrogen peroxide sensing	2023	ELECTROANALYSIS	35	9				10.1002/elan.202300094	WILEY-V C H VERLAG GMBH	1040-0397		WoS
2093	Article	Dey, S; Shakhathreh, MK; Singh, K; Mahto, AK; Tripathi, YM	Classical and Bayesian Estimations for a 2-Component Generalized Rayleigh Mixture Model under Type I Censoring	2023	ELECTRONIC JOURNAL OF APPLIED STATISTICAL ANALYSIS	16	3	654	693		10.1285/i20705948v16n3p654	UNIV STUDI SALENTO	2070-5948		WoS

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2094	Article	Ghosh, S; Krishnan, J; Karthik, V; Dhakshinamoorthy, A; Biswas, S	Functionalized Metal-Organic Framework for Selective Fluorometric Detection of Sodium Dodecyl Sulfate and Vitamin B12 Using MOF@Cotton Composites and Lewis Base-Catalyzed Condensation Reaction	2023	INORGANIC CHEMISTRY	62	22	8605	8614		10.1021/acs.inorgchem.3c00631	AMER CHEMICAL SOC	0020-1669		WoS
2095	Article	Borah, D; Ma, E; Nanda, D	Dark SU(2) gauge symmetry and scotogenic Dirac neutrinos	2022	PHYSICS LETTERS B	835					10.1016/j.physletb.2022.137539	ELSEVIER	0370-2693	Green Submitted	WoS
2096	Article	Golui, S; Pal, C; Manikandan, R; Sobhanan, A	Optimal control of a dynamic production-inventory system with various cost criteria	2024	ANNALS OF OPERATIONS RESEARCH	337	1	75	103		10.1007/s10479-023-05716-5	SPRINGER	0254-5330		WoS
2097	Article	Banerjee, P; Sharma, D; Bhattacharjee, AB	Enhanced photon squeezing in two-photon Dicke model	2022	PHYSICS LETTERS A	446					10.1016/j.physleta.2022.128287	ELSEVIER	0375-9601	Green Submitted	WoS
2098	Review	Khan, AA; Chaudhari, O; Chandra, R	A review of ensemble learning and data augmentation models for class imbalanced problems: Combination, implementation and evaluation	2024	EXPERT SYSTEMS WITH APPLICATIONS	244					10.1016/j.eswa.2023.122778	PERGAMON-ELSEVIER SCIENCE LTD	0957-4174	hybrid, Green Submitted	WoS
2099	Article	Bapat, RB; Jana, R; Pati, S	The bipartite Laplacian matrix of a nonsingular tree	2023	SPECIAL MATRICES	11	1				10.1515/spma-2023-0102	DE GRUYTER POLAND SP Z O O	2300-7451	gold	WoS
2100	Article	Singh, P; Mahanta, P; Kalita, P; Singh, AK	Thermal analysis of a rotating fluidized bed dryer in static geometry dryer with and without slit	2023	DRYING TECHNOLOGY	41	12	1933	1943		10.1080/07373937.2023.2207199	TAYLOR & FRANCIS INC	0737-3937		WoS
2101	Article	Moharrami, M; Murthy, Y; Roy, A; Srikant, R	A Policy Gradient Algorithm for the Risk-Sensitive Exponential Cost MDP	2025	MATHEMATICS OF OPERATIONS RESEARCH	50	1				10.1287/moor.2022.0139	INFORMS	0364-765X	Green Submitted	WoS
2102	Article	Saini, R; Navale, GR; Singh, S; Singh, HK; Chauhan, R; Agrawal, S; Sarkar, D; Sarma, M; Ghosh, K	Inhibition of amyloid β1-42 peptide aggregation by newly designed cyclometallated palladium complexes	2023	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	248					10.1016/j.ijbiomac.2023.125847	ELSEVIER	0141-8130		WoS
2103	Article; Early Access	Kumar, S; Saha, A; Zindani, D	Agro-waste-based polymeric composite laminates for aerospace cabin interior and identification of their optimal configuration	2023	BIOMASS CONVERSION AND BIOREFINERY						10.1007/s13399-023-04914-2	SPRINGER HEIDELBERG	2190-6815		WoS
2104	Article	Quenzel, P; Kröger, H; Manin, B; Vu, KN; Duong, TX; Gries, T; Itskov, M; Sauer, RA	Material characterisation of biaxial glass-fibre non-crimp fabrics as a function of ply orientation, stitch pattern, stitch length and stitch tension	2022	JOURNAL OF COMPOSITE MATERIALS	56	26	3971	3991		10.1177/00219983221127005	SAGE PUBLICATIONS LTD	0021-9983		WoS
2105	Article; Early Access	Samuchiwal, S; Sahu, A; Selvaraju, K; Singh, S; Malik, A	Unveiling the azo-reductase mechanism in Pseudomonas putida for efficient decolorization of textile Reactive dyes: an in-silico study	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS						10.1080/07391102.2024.2308768	TAYLOR & FRANCIS INC	0739-1102		WoS
2106	Article	Basumatary, RK; Behera, P; Basumatary, B; Brahma, B; Ravi, S; Brahma, R; Srivastava, SK	Influence of surface roughness on magnetic properties of CoTbNi ternary alloy films	2023	MICRO AND NANOSTRUCTURES	174					10.1016/j.micrna.2022.207491	ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD			WoS

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2107	Article	Sarmah, S; Patra, KP; Maji, PK; Ravi, S; Bora, T	A comparative study on the structural, magnetic and dielectric properties of magnesium substituted cobalt ferrites	2023	CERAMICS INTERNATIONAL	49	1	1444	1463		10.1016/j.ceramint.2022.09.126	ELSEVIER SCI LTD	0272-8842	Bronze	WoS
2108	Article	Chattopadhyay, A; Das, S; Pradhan, C	Second-order trace formulas	2024	MATHEMATISCHE NACHRICHTEN	297	7	2581	2608		10.1002/mana.202200295	WILEY-V C H VERLAG GMBH	0025-584X	Green Submitted	WoS
2109	Article	Machale, J; Majumder, SK; Ghosh, P; Sen, TK; Saeedi, A	The role of adsorption of a natural surfactant at oil-water interface in enhanced oil recovery: interfacial rheology, and structural, and emulsifying analyses	2023	CHEMICAL ENGINEERING COMMUNICATIONS	210	12	2189	2203		10.1080/00986445.2023.2196415	TAYLOR & FRANCIS INC	0098-6445		WoS
2110	Article	Biswas, A; Nandi, S; Ray, I	Extractions of $ V_{ub} / V_{cb} $ from a combined study of the exclusive $b \rightarrow u(c)l-(\nu)\overline{\nu}$ decays	2023	JOURNAL OF HIGH ENERGY PHYSICS		7				10.1007/JHEP07(2023)024	SPRINGER	1029-8479	Green Accepted, gold	WoS
2111	Article	Mishra, RK; Mohanty, K; Wang, XH	Pyrolysis kinetics behavior and pyrolysate compositions analysis of agriculture waste toward the production of sustainable renewable fuel and chemicals	2024	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	43	3				10.1002/ep.14357	WILEY	1944-7442	hybrid	WoS
2112	Article	Yadav, MK; Mondal, A; Sharma, SK; Bag, A	Unveiling Thermal Effects on Sn-Doped β -Ga2O3 Schottky Barrier Diodes on Sapphire for High-Temperature Power Electronics	2024	IEEE TRANSACTIONS ON ELECTRON DEVICES	71	3	1529	1534		10.1109/TED.2023.3333818	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9383		WoS
2113	Article	Singh, AK; Singh, K; Singh, D; Sahoo, N	Experimental and Numerical Study of the Effect of Double Row Slot Injection Locations on Film Cooling Performance of a Corrugated Surface	2024	EXPERIMENTAL HEAT TRANSFER	37	6	780	806		10.1080/08916152.2023.2204338	TAYLOR & FRANCIS INC	0891-6152		WoS
2114	Article	Buragohain, L; Barman, NN; Sen, S; Bharali, A; Dutta, B; Choudhury, B; Suresh, KP; Gaurav, S; Kumar, R; Ali, S; Kumar, S; Malik, YS	Transmission of African swine fever virus to the wild boars of Northeast India	2023	VETERINARY QUARTERLY	43	1				10.1080/01652176.2023.2178689	TAYLOR & FRANCIS LTD	0165-2176	gold, Green Published	WoS
2115	Article	Bhadra, S; Panda, A; Bhowmick, P; Kannan, S	A model-based tracking control scheme for nonlinear industrial processes involving joint unscented Kalman filter	2025	JOURNAL OF CONTROL AND DECISION	12	1	111	122		10.1080/23307706.2023.2202183	TAYLOR & FRANCIS LTD	2330-7706	Green Accepted	WoS
2116	Article	Ghorai, P; Majhi, S; Eskandarian, A; Pandey, S; Kasi, VR	Modeling and estimation of dynamics of time-delayed plants/processes	2023	INTERNATIONAL JOURNAL OF DYNAMICS AND CONTROL	11	1	183	193		10.1007/s40435-022-00965-x	SPRINGER NATURE	2195-268X		WoS
2117	Article	Pandey, SK; Shekhawat, HS; Prasanna, SRM; Bhasin, S; Jasuja, R	A deep tensor-based approach for automatic depression recognition from speech utterances	2022	PLOS ONE	17	8				10.1371/journal.pone.0272659	PUBLIC LIBRARY SCIENCE	1932-6203	gold, Green Published	WoS

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2118	Article	Sarmah, S; Konthoujam, I; Prakash, V; Aguan, K; Roy, AS	Unleashing the binding interaction of chrysin-Cu(II) complex with the biomacromolecular targets: further studies of cell cytotoxicity and radical scavenging properties	2025	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	43	7	3671	3687		10.1080/07391102.2023.2300122	TAYLOR & FRANCIS INC	0739-1102		WoS
2119	Article; Book Chapter	Agarwal, S; Mukherjee, P; Dutta, J; Sen, T; Kumar, A; Mitra, A	Plastic Pollution During COVID-19 Pandemic: A Disaster in the Making	2023	ROUTE TOWARDS GLOBAL SUSTAINABILITY: Challenges and Management Practices			333	366		10.1007/978-3-031-10437-4_17	SPRINGER INTERNATIONAL PUBLISHING AG			WoS
2120	Article	Dubey, AA; Machale, J; Ravi, K; Dhami, NK; Mukherjee, A	Rheological Properties of Xanthan-Gum Solutions and Their Role in Improving River Embankments	2024	GEOTECHNICAL AND GEOLOGICAL ENGINEERING	42	4	2387	2401		10.1007/s10706-023-02678-0	SPRINGER	0960-3182		WoS
2121	Article	Kaur, R; Islam, M; Agarwal, PC; Kaur, S; Kumar, G	Highly confined terahertz spoof plasmon propagation in a parallel plate corrugated waveguide	2024	JOURNAL OF OPTICS-INDIA	53	4	2955	2961		10.1007/s12596-023-01529-8	SPRINGER INDIA	0972-8821		WoS
2122	Article	Patra, AK; Srimayee, S; Halder, D; Roy, A; Mukherjee, S; Kundu, S; Hossain, M; Saha, R; Lee, CH; Manna, D; Saha, I	Transmembrane fluoride anion transport by meso-3,5-bis(trifluoromethyl)phenyl picket calix[4]pyrrole	2023	CHEMICAL COMMUNICATIONS	59	48	7407	7410		10.1039/d3cc02032k	ROYAL SOC CHEMISTRY	1359-7345		WoS
2123	Article	Saikia, P; Kumar, A; Semetko, HA; Gogoi, D	Contesting in the policy sphere: stakeholders and policy formulation on the lower Subansiri dam in the Northeast	2023	INDIA REVIEW	22	5	531	563		10.1080/14736489.2023.2261316	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	1473-6489		WoS
2124	Article	Baruah, D; Marak, CNK; Roy, A; Gohain, D; Kumar, A; Das, P; Borkovich, KA; Tamuli, R	Multiple calcium signaling genes play a role in the circadian period of Neurospora crassa	2023	FEMS MICROBIOLOGY LETTERS	370					10.1093/femsle/fnad044	OXFORD UNIV PRESS	0378-1097	Green Published	WoS
2125	Article	Behera, PK; Patel, M; Deshpande, V; Kumar, B	Patterns of turbulent flow structures over dune shaped bed features under the influence of downward seepage	2024	EXPERIMENTAL THERMAL AND FLUID SCIENCE	153					10.1016/j.expthermflusci.2023.111128	ELSEVIER SCIENCE INC	0894-1777		WoS
2126	Article	Nijhawan, R; Sinha, G; Batra, A; Kumar, M; Sharma, H	VTnet plus Handcrafted based approach for food cuisines classification	2024	MULTIMEDIA TOOLS AND APPLICATIONS	83	4	10695	10715		10.1007/s11042-023-15800-4	SPRINGER	1380-7501	hybrid	WoS
2127	Article; Early Access	Chattopadhyay, A; Hong, GX; Pradhan, C; Ray, SK	On isometric embeddability of Sqm into Spn as non-commutative quasi-Banach spaces	2023	PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH SECTION A-MATHEMATICS						10.1017/prm.2023.54	CAMBRIDGE UNIV PRESS	0308-2105		WoS
2128	Article	Dutta, HPJ; Bhuyan, MK; Neog, DR; MacDorman, KF; Laskar, RH	Patient Assistance System Based on Hand Gesture Recognition	2023	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	72					10.1109/TIM.2023.3282655	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9456		WoS
2129	Article; Early Access	Baruah, RR; Mohanta, YK; Saha, M; Ghosh, SS; Kalita, MC; Devi, D	Reinforced non-mulberry silk fibroin-fibroin nanocomposites and their optimization for tissue engineering applications	2023	JOURNAL OF MATERIALS SCIENCE						10.1007/s10853-023-08625-x	SPRINGER	0022-2461		WoS
2130	Article	Duong, C; Raghuram, VC; Lee, AM; Mao, R; Mengaldo, G; Cambria, E	Neurosymbolic AI for Mining Public Opinions about Wildfires	2024	COGNITIVE COMPUTATION	16	4	1531	1553		10.1007/s12559-023-10195-8	SPRINGER	1866-9956		WoS

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2131	Article	Kumara, JKS; Swamy, BEK; Jayaprakash, GK; Sharma, SC; Flores-Moreno, R; Mohanty, K; Hariprasad, SA	Effect of TX-100 pretreatment on carbon paste electrode for selective sensing of dopamine in presence of paracetamol	2022	SCIENTIFIC REPORTS	12	1				10.1038/s41598-022-24387-z	NATURE PORTFOLIO	2045-2322	gold	WoS
2132	Article	Mazumder, P; Dash, S; Kumar, M; Silori, R; Tiwari, A; Khwairakpam, M; Kalamdhad, AS	Association of microplastics with heavy metals and antibiotic resistance bacteria/genes in natural ecosystems-A perspective through science mapping approach	2023	GROUNDWATER FOR SUSTAINABLE DEVELOPMENT	22					10.1016/j.gsd.2023.100962	ELSEVIER	2352-801X		WoS
2133	Article	Hegde, M; Girisa, S; Devanarayanan, TN; Alqahtani, MS; Abbas, M; Sethi, G; Kunnumakkara, AB	Network of Extracellular Traps in the Pathogenesis of Sterile Chronic Inflammatory Diseases: Role of Oxidative Stress and Potential Clinical Applications	2024	ANTIOXIDANTS & REDOX SIGNALING	41	4-6	396	427		10.1089/ars.2023.0329	MARY ANN LIEBERT, INC	1523-0864		WoS
2134	Review	Manickasamy, MK; Jayaprakash, S; Girisa, S; Kumar, A; Lam, HY; Okina, E; Eng, H; Alqahtani, MS; Abbas, M; Sethi, G; Kumar, AP; Kunnumakkara, AB	Delineating the role of nuclear receptors in colorectal cancer, a focused review	2024	DISCOVER ONCOLOGY	15	1				10.1007/s12672-023-00808-x	SPRINGER		gold	WoS
2135	Article	Dhar, M; Kara, UI; Das, S; Xu, Y; Mandal, S; Dupont, RL; Boerner, EC; Chen, BY; Yao, YX; Wang, XG; Manna, U	Design of a self-cleanable multilevel anticounterfeiting interface through covalent chemical modulation	2023	MATERIALS HORIZONS	10	6	2204	2214		10.1039/d3mh00180f	ROYAL SOC CHEMISTRY	2051-6347		WoS
2136	Article	Das, DS; Tadikonda, BV; Raja, S; Tripathy, S	Compressibility Behavior of Bentonites by Stern Theory based on Constant Surface Charge Conditions	2022	CLAYS AND CLAY MINERALS	70	6	916	933		10.1007/s42860-023-00227-7	CAMBRIDGE UNIV PRESS	0009-8604	Green Accepted	WoS
2137	Article	Gupta, NK; Yadav, RS; Nagaria, RK; Gupta, D; Tripathi, AM; Pandey, OJ	Anchor-based void detouring routing protocol in three dimensional IoT networks?	2023	COMPUTER NETWORKS	227					10.1016/j.comnet.2023.109691	ELSEVIER	1389-1286		WoS
2138	Article	Mishra, M; Chaudhuri, S; Kshetrimayum, RS; Sharawi, MS; Kishk, AA	A Highly Efficient and Low-Mutual Coupling Partial p/8 SIW Cavity-Based 8-Port MIMO Antenna	2023	IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS	22	7	1721	1725		10.1109/LAWP.2023.3262159	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1536-1225		WoS
2139	Article	Hossain, M; Sarkar, K; Mondal, A; Bag, A; Kuiri, PK; Roopa; Kumar, MS; Bysakh, S; Pal, P	NO2 gas sensing performance of Ag-WO3-x thin films prepared by reactive magnetron sputtering process	2023	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	129	12				10.1007/s00339-023-07134-7	SPRINGER HEIDELBERG	0947-8396		WoS
2140	Article	Garg, H; Kundu, A; Soti, AK; Bhardwaj, R	Immersed boundary method based fluid-structure-thermal interaction solver with conjugate heat transfer	2023	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	48	4				10.1007/s12046-023-02241-w	SPRINGER INDIA	0256-2499		WoS
2141	Article	Halдар, P; Sharma, V; Iwahori, Y; Bhuyan, MK; Wang, AL; Wu, HB; Kasugai, K	XGBoosted Binary CNNs for Multi-Class Classification of Colorectal Polyp Size	2023	IEEE ACCESS	11		128461	1E+05		10.1109/ACCESS.2023.3332826	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2142	Article	Khare, A; Uttam, R; Kumar, S; Dhar, R	Gold nanoparticles doped organic liquid crystalline material for fast charge migration in nano-devices	2024	LIQUID CRYSTALS	51	3	478	492		10.1080/02678292.2024.2302453	TAYLOR & FRANCIS LTD	0267-8292		WoS

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2143	Article	Singh, S; Navale, GR; Agrawal, S; Singh, HK; Singla, L; Sarkar, D; Sarma, M; Choudhury, AR; Ghosh, K	Design and synthesis of piano-stool ruthenium(II) complexes and their studies on the inhibition of amyloid ? (1-42) peptide aggregation	2023	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	239					10.1016/j.ijbiomac.2023.124197	ELSEVIER	0141-8130		WoS
2144	Article	Pal, D; Almawgani, AHM; Das, S; Pal, A; Rahman, MF; Alhawari, ARH; Bhattarai, S	Numerical investigation of a high-efficiency BaZrxTi1-xS3 chalcogenide perovskite solar cell	2024	NEW JOURNAL OF CHEMISTRY	48	6	2474	2483		10.1039/d3nj04832b	ROYAL SOC CHEMISTRY	1144-0546		WoS
2145	Article	Girisha, HR; Krushna, BRR; Manjunatha, K; Wu, SY; Ho, MK; Sharma, SC; Prasad, BD; Subramanian, B; Kumar, JBP; Nagabhushana, H	Stimuli-responsive color-tunable BaLa2ZnO5:Bi3+phosphor for the encryption and authentication of security patterns and latent fingerprint detection	2023	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	666					10.1016/j.colsurfa.2023.131219	ELSEVIER	0927-7757		WoS
2146	Article	Mandal, BK; Mandal, R; Sikdar, S; Sarma, S; Srinivasan, A; Chowdhury, SR; Das, B; Das, R	Green synthesis of NiO nanoparticle using Punica granatum peel extract and its characterization for methyl orange degradation	2023	MATERIALS TODAY COMMUNICATIONS	34					10.1016/j.mtcomm.2022.105302	ELSEVIER			WoS
2147	Article	Kshetrimayum, RS; Mishra, M; Aïssa, S; Koul, SK; Sharawi, MS	Diversity Order and Measure of MIMO Antennas in Single-User, Multiuser, and Massive MIMO Wireless Communications	2023	IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS	22	1	19	23		10.1109/LAWP.2022.3200483	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1536-1225		WoS
2148	Article	Wang, BH; Yao, ZT; Reinm�ller, M; Kishore, N; Tesfaye, F; Luque, R	Pyrolysis behavior, kinetics, and thermodynamics of waste pharmaceutical blisters under CO2 atmosphere	2023	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS	170					10.1016/j.jaap.2023.105883	ELSEVIER	0165-2370	Green Published	WoS
2149	Article; Early Access	Behera, PK; Yadav, K; Patra, A; Gupta, RK; Rao, DSS; Kumar, S; Pandey, UK; Achalkumar, AS	Highly Soluble Ambipolar anti-Perylene-3,4?:?9,10-bis(benzimidazole)s Stabilize a Room-Temperature Columnar Hexagonal Phase	2023	CHEMISTRY-A EUROPEAN JOURNAL						10.1002/chem.202302187	WILEY-V C H VERLAG GMBH	0947-6539		WoS
2150	Review	Sailo, BL; Chauhan, S; Hegde, M; Girisa, S; Alqahtani, MS; Abbas, M; Goel, A; Sethi, G; Kunnumakkara, AB	Therapeutic potential of tocotrienols as chemosensitizers in cancer therapy	2025	PHYTOTHERAPY RESEARCH	39	4	1694	1720		10.1002/ptr.8131	WILEY	0951-418X		WoS
2151	Article	Duong, TX; Itskov, M; Sauer, RA	Response to David Steigmann's discussion of our paper	2024	MATHEMATICS AND MECHANICS OF SOLIDS	29	5	1038	1044		10.1177/10812865231224106	SAGE PUBLICATIONS LTD	1081-2865	Green Submitted	WoS
2152	Article	Baban, NS; Saha, S; Orozaliev, A; Kim, J; Bhattacharjee, S; Song, YA; Karri, R; Chakrabarty, K	Structural Attacks and Defenses for Flow-Based Microfluidic Biochips	2022	IEEE TRANSACTIONS ON BIOMEDICAL CIRCUITS AND SYSTEMS	16	6	1261	1275		10.1109/TBCAS.2022.3220758	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1932-4545	Bronze	WoS
2153	Article	Das, S; Dokala, RK; Weise, B; Mishra, PK; Medwal, R; Rawat, RS; Thota, S	Phonon scattering and magnetic manifold switching in (GdSm)CrO3	2023	PHYSICAL REVIEW MATERIALS	7	8				10.1103/PhysRevMaterials.7.084410	AMER PHYSICAL SOC	2475-9953		WoS
2154	Correction	Gangwar, S; Ravisankar, R; Muruganandam, P; Mishra, PK	Exploring the role of beyond mean-field interaction in the structure and dynamics of one-dimensional quantum droplets (vol 56, 165302, 2023)	2024	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	57	4				10.1088/1361-6455/ad2549	IOP Publishing Ltd	0953-4075	Bronze	WoS

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2155	Article	Sharma, V; Sasmal, P; Bhuyan, MK; Das, PK; Iwahori, Y; Kasugai, K	A Multi-Scale Attention Framework for Automated Polyp Localization and Keyframe Extraction From Colonoscopy Videos	2024	IEEE TRANSACTIONS ON AUTOMATION SCIENCE AND ENGINEERING	21	4	5677	5690		10.1109/TASE.2023.3315518	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1545-5955		WoS
2156	Article	Issac, AC; Dhir, A; Christofi, M	True knowledge vs empowering knowledge: conceptualizing a theory of mindfulness and knowledge transfer (TMKT)	2024	JOURNAL OF MANAGERIAL PSYCHOLOGY	39	3	264	286		10.1108/JMP-05-2022-0217	EMERALD GROUP PUBLISHING LTD	0268-3946		WoS
2157	Review	Manickasamy, MK; Sajeev, A; BharathwajChetty, B; Alqahtani, MS; Abbas, M; Hegde, M; Aswani, BS; Shakibaei, M; Sethi, G; Kunnumakkara, AB	Exploring the nexus of nuclear receptors in hematological malignancies	2024	CELLULAR AND MOLECULAR LIFE SCIENCES	81	1				10.1007/s00018-023-05085-z	SPRINGER BASEL AG	1420-682X	hybrid	WoS
2158	Article	Bharadwaj, A; Kalita, R; Kumar, A; Sarma, A; Jaganathan, BG; Kumar, S; Gorlitz, F; Lightley, J; Dunsby, C; Neil, M; Hollick, C; Graham, J; French, PMW; Boruah, BR	A cost-effective, modular, research-grade optical microscope	2024	CURRENT SCIENCE	126	2	244	254		10.18520/cs/v126/i2/244-254	INDIAN ACAD SCIENCES	0011-3891	gold	WoS
2159	Article	Saikia, FN; Iwahori, Y; Suzuki, T; Bhuyan, MK; Wang, AL; Kijisirikul, B	MLP-UNet: Glomerulus Segmentation	2023	IEEE ACCESS	11		53034	53047		10.1109/ACCESS.2023.3280831	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2160	Article	Mohd, G; Bhat, IM; Kakroo, I; Balachandran, A; Tabasum, R; Majid, K; Wani, MF; Manna, U; Ghodake, G; Lone, S	Azolla Pinnata: Sustainable Floating Oil Cleaner of Water Bodies	2024	ACS OMEGA	9	11	12725	12733		10.1021/acsomega.3c08417	AMER CHEMICAL SOC	2470-1343	gold	WoS
2161	Article	Bhattacharya, S; Ghosh, P; Lahiri, J; Mukhopadhyaya, B	Mono-X signal and two component dark matter: New distinction criteria	2023	PHYSICAL REVIEW D	108	11				10.1103/PhysRevD.108.L111703	AMER PHYSICAL SOC	2470-0010	hybrid	WoS
2162	Review	Nujum, ZT; Asaria, M; Kurup, KK; Mini, M; Mazumdar, S; Daptardar, M; Tiwari, H	Cost-effectiveness of One Health interventions for rabies elimination: a systematic review	2024	TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE	118	4	223	233		10.1093/trstmh/trad074	OXFORD UNIV PRESS	0035-9203		WoS
2163	Article	Ghosh, MK; Kumar, KS; Pal, C; Pradhan, S	Nonzero-sum risk-sensitive stochastic differential games: A multi-parameter eigenvalue problem approach	2023	SYSTEMS & CONTROL LETTERS	172					10.1016/j.sysconle.2022.105443	ELSEVIER	0167-6911	Green Accepted, Green Submitted	WoS
2164	Article	Behera, PK; Chen, FR; Gautam, P; Roy, M; Rao, DSS; Yelamaggad, CV; Jou, JH; Sudhakar, AA	Tuning the Liquid Crystallinity and Electroluminescence via Sulfonation of S-Annulated Perylene Tetraester	2024	CHEMISTRY-A EUROPEAN JOURNAL	30	23				10.1002/chem.202304333	WILEY-V C H VERLAG GMBH	0947-6539		WoS
2165	Article	Ruidas, S; Pradhan, L; Mohanty, B; Dalapati, S; Kumar, S; Jena, BK; Bhaumik, A	Imine-Linked π -Conjugated Covalent Organic Frameworks as an Efficient Electrode Material for Pseudocapacitive Energy Storage	2024	ACS APPLIED ENERGY MATERIALS	7	7	2872	2880		10.1021/acsaem.4c00086	AMER CHEMICAL SOC	2574-0962		WoS

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2166	Correction	Kalaburgi, B; Prasad, BD; Lavanya, DR; Darshan, GP; Gowda, VCV; Hanumantharaju, N; Venkatesulu, A; Taj, MN; Sharma, SC; Nagabhushana, H	Nanocomposites of PVA/chitosan blend with BiOCl:Eu3+ prepared by sonochemical route: Forensic and optoelectronics applications (vol 657, 130446, 2023)	2023	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	660					10.1016/j.colsurfa.2022.130767	ELSEVIER	0927-7757	Bronze	WoS
2167	Article	Mala, NA; Dar, MA; Rather, MUD; Reshi, BA; Sivakumar, S; Batoo, KM; Ahmad, Z	Supercapacitor and magnetic properties of NiO and manganese-doped NiO nanoparticles synthesized by chemical precipitation method	2023	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	34	6				10.1007/s10854-023-09907-5	SPRINGER	0957-4522		WoS
2168	Review	Phukan, SJ; Goswami, S; Bhowmik, S; Sah, NK; Sharma, M; Pramanik, P; Pathak, C; Roy, M; Pai, RK; Garai, S	Contemporary Progress on Photo-induced Green Hydrogen Evolution: Potential, Challenges, and Perspectives for the Hydrogen Energy based Economy -An Updated Review	2024	FUEL	361					10.1016/j.fuel.2023.130654	ELSEVIER SCI LTD	0016-2361		WoS
2169	Article	Rao, SJM; Sarkar, R; Punjal, A; Ghindani, D; Chowdhury, DR; Prabhu, SS; Kumar, G	Broadband terahertz linear cross-polarization conversion in transmission mode using planar coupled metamaterials	2023	JOURNAL OF APPLIED PHYSICS	133	12				10.1063/5.0143796	AIP Publishing	0021-8979		WoS
2170	Editorial Material	Ghosh, D; Haq, I; Isa, MH; Maity, JP; Bhattacharya, P; Ahmad, A	Assessment of environmental risk and challenges in addressing emerging pollutants: current and future perspectives	2024	FRONTIERS IN ENVIRONMENTAL SCIENCE	11					10.3389/fenvs.2023.1359376	FRONTIERS MEDIA SA		gold	WoS
2171	Editorial Material	Kumar, A; Koul, SK; Mallik, RK	Scanning the Issue	2023	IETE JOURNAL OF RESEARCH	69	10	6643	6651		10.1080/03772063.2023.2295659	TAYLOR & FRANCIS LTD	0377-2063	Bronze	WoS
2172	Article	Dhilipkumar, T; Arumugam, S; Rajesh, M; Venkatesan, R; Sasikumar, R; Al-Asbahi, BA	Evaluating the flexural and vibrational response of carbon nanotube strengthened co-cured sandwich composites	2024	CARBON LETTERS	34	3	865	879		10.1007/s42823-024-00710-8	SPRINGER JAPAN KK	1976-4251		WoS
2173	Article	Frank, M; Majumdar, C; Poullose, P; Senapati, S; Yajnik, UA	Dark matter in the Alternative Left Right model	2022	JOURNAL OF HIGH ENERGY PHYSICS		12				10.1007/JHEP12(2022)032	SPRINGER		Green Accepted, gold	WoS
2174	Article	He, F; Wang, Y; Debnath, T; Döblinger, M; Akkerman, QA; Feldmann, J; Dey, A	Silver-Nanoclusters and Vacancies Influence the Optical Properties of Spherical Cs2AgBiCl6 Nanocrystals	2024	ADVANCED OPTICAL MATERIALS	12	14				10.1002/adom.202302898	WILEY-V C H VERLAG GMBH	2195-1071		WoS
2175	Article	Hussain, R; Kumar, H; Bordoloi, S; Jaykumar, S; Salim, S; Garg, A; Ravi, K; Sarmah, AK; Gogoi, N; Sreedeeep, S	Effect of Biochar Type and Amendment Rates on Soil Physicochemical Properties: Potential Application in Bioengineered Structures	2024	ADVANCES IN CIVIL ENGINEERING MATERIALS	13	1				10.1520/ACEM20200102	AMER SOC TESTING MATERIALS	2379-1357		WoS
2176	Article	Dakua, PK; Dash, RK; Laidouci, A; Bhattarai, S; Dudekula, U; Kashyap, S; Agarwal, V; Rashed, ANZ	Evaluating CZTS Solar Cell Performance Based on Generation and Recombination Models for Possible ETLs Through Numerical Analysis	2024	JOURNAL OF ELECTRONIC MATERIALS	53	4	2015	2025		10.1007/s11664-024-10930-3	SPRINGER	0361-5235		WoS

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2177	Editorial Material; Early Access	Baruah, JB; Velasquez-Hernandez, MD; Dudek, MK; Kole, GK; Lo Presti, L; Nemec, I; Niu, YY; Price, SL; Seidel, RW; Zhang, HL; Howells-Wyllie, S; Metrangolo, P	Outstanding reviewers for CrystEngComm in 2022	2023	CRYSTENGCOMM						10.1039/d3ce90088f	ROYAL SOC CHEMISTRY			WoS
2178	Article	Maruthi, R; Singh, S; Ghosh, S; Seehra, MS; Weise, B; Prellier, W; Thota, S	Magnetic structure and field-induced transitions in the triangular spin-1 antiferromagnet NiNb2O6: Observation of a triple point	2023	PHYSICAL REVIEW B	108	22				10.1103/PhysRevB.108.224430	AMER PHYSICAL SOC	2469-9950		WoS
2179	Article	Balasubramani, K; Ravichandran, V; Prasad, KA; Ramkumar, M; Shekhar, S; James, MM; Kodali, NK; Behera, SK; Gopalan, N; Sharma, RK; Sarma, DK; Santosh, M; Dash, AP; Nina, PB	Spatio-temporal epidemiology and associated indicators of COVID-19 (wave-I and II) in India	2024	SCIENTIFIC REPORTS	14	1				10.1038/s41598-023-50363-2	NATURE PORTFOLIO	2045-2322	Green Published, gold	WoS
2180	Article	Toki, GFI; Hossain, MK; Pandey, R; Bhattarai, S; Tawfeek, AM; Mohammad, S; Habib, AMJ; Mahmud, N; Rahman, MF; Sasikumar, P; Bencherif, H	Optimizing lead-free Cs3Bi2I9 perovskite solar cells: exploring absorber and charge transport layers parameters for improved efficiency	2024	JOURNAL OF OPTICS-INDIA	53	5	4554	4570		10.1007/s12596-023-01648-2	SPRINGER INDIA	0972-8821		WoS
2181	Article	Bhushan, S; Jayakrishnan, U; Johnson, N; Prajapati, SK; Lakshan, KAS; Kaphle, K; Eshkabilov, S; Simsek, H	UV-C pretreatment of wastewater-grown algal biomass for recover of biofuel precursors	2024	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	12	2				10.1016/j.jece.2024.112087	ELSEVIER SCI LTD	2213-2929		WoS
2182	Article	Teli, YA; Reetu, R; Singh, PG; Patel, MJ; Dash, S; Paine, S; Prabhakar, PS; Singh, V; Keremane, KS; Al-Zaqri, N; Mukherjee, K; Dutta, S; Malakar, CC	Synthesis and Characterization of Novel Pd@rGO-CuFe2O4 Magnetic Nanoparticles: A Recyclable Catalyst for C-C Coupling Reaction in Biomass-Derived Organic Solvent	2023	ASIAN JOURNAL OF ORGANIC CHEMISTRY	12	12				10.1002/ajoc.202300481	WILEY-V C H VERLAG GMBH	2193-5807		WoS
2183	Article	Bharadwaj, KK; Rabha, B; Ahmad, I; Mathew, SP; Bhattacharjee, CK; Jaganathan, BG; Poddar, S; Patel, H; Subramaniyan, V; Chinni, SV; Ramachawolran, G; Saleem, R; Ali, EHK; Abdel-Daim, MM; Baishya, D; Ghosh, A	Rhamnetin, a nutraceutical flavonoid arrests cell cycle progression of human ovarian cancer (SKOV3) cells by inhibiting the histone deacetylase 2 protein	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	42	24	13421	13436		10.1080/07391102.2023.2275187	TAYLOR & FRANCIS INC	0739-1102		WoS

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2184	Article	Terao, T; Kanae, S; Fujinami, H; Das, S; Dimri, AP; Dutta, S; Fujita, K; Fukushima, A; Ha, KJ; Hirose, M; Hong, J; Kamimera, H; Kayastha, RB; Kiguchi, M; Kikuchi, K; Kim, HM; Kitoh, A; Kubota, H; Ma, WQ; Ma, YM; Mujumdar, M; Nodzu, MI; Sato, T; Su, Z; Sugimoto, S; Takahashi, HG; Takaya, Y; Wang, SY; Yang, K; Yokoi, S; van Oevelen, P; Matsumoto, J	AsiaPEX Challenges and Prospects in Asian Precipitation Research	2023	BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY	104	4	E884	E908		10.1175/BAMS-D-20-0220.1	AMER METEOROLOGICAL SOC	0003-0007	Bronze	WoS
2185	Article	Coles, NA; March, DS; Marmolejo-Ramos, F; Larsen, JT; Arinze, NC; Ndukaihe, ILG; Willis, M; Foroni, F; Reggev, N; Mokady, A; Forscher, PS; Hunter, JF; Kaminski, G; Yuvruk, E; Kapucu, A; Nagy, T; Hajdu, N; Tejada, J; Freitag, RMK; Zambrano, D; Som, B; Aczel, B; Barzykowski, K; Adamus, S; Filip, K; Yamada, Y; Ikeda, A; Eaves, D; Levitan, C; Leiweke, S; Parzuchowski, M; Butcher, N; Pfuhl, G; Basnight-Brown, D; Hinojosa, JA; Montoro, PR; Delgado, GJ; Vezirian, K; Ilzerman, H; Trujillo, N; Pressman, S; Gygax, P; Özdogru, AA; Ruiz-Fernandez, S; Ellsworth, PC; Gaertner, L; Strack, F; Marozzi, M; Liuzza, MT	A multi-lab test of the facial feedback hypothesis by the Many Smiles Collaboration	2022	NATURE HUMAN BEHAVIOUR	6	12	1731	1742		10.1038/s41562-022-01458-9	NATURE PORTFOLIO	2397-3374	Green Submitted , Bronze	WoS

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2186	Article	Acerro, MA; Adamson, P; Aliaga, L; Anfimov, N; Antoshkin, A; Arrieta-Diaz, E; Asquith, L; Aurisano, A; Back, A; Baird, M; Balashov, N; Baldi, P; Bambah, BA; Bashar, S; Bays, K; Bernstein, R; Bhatnagar, V; Bhattarai, D; Bhuyan, B; Bian, J; Booth, AC; Bowles, R; Brahma, B; Bromberg, C; Buchanan, N; Butkevich, A; Calvez, S; Carroll, TJ; Catano-Mur, E; Childress, S; Chatla, A; Chirco, R; Choudhary, BC; Christensen, A; Coan, TE; Colo, M; Cremonesi, L; Davies, GS; Derwent, PF; Ding, P; Djurcic, Z; Dolce, M; Doyle, D; Tonguino, DD; Dukes, EC; Ehrlich, R; Elkins, M; Ewart, E; Feldman, GJ; Filip, P; Franc, J; Frank, MJ; Gallagher, HR; Gandrajula, R; Gao, F; Giri, A; Gomes, RA; Goodman, MC; Grichine, V; Groh, M; Group, R; Guo, B; Habig, A; Hakl, F; Hall, A; Hartnell, J; Hatcher, R; Hausner, H; He, M; Heller, K; Hewes, V; Himmel, A; Jargowsky, B; Jarosz, J; Jediny, F; Johnson, C; Judah, M; Kakorin, I; Kaplan, DM; Kalitkina, A; Keloth, R; Klimov, O; Koerner, LW; Kolupaeva, L; Kotelnikov, S; Kralik, R; Kullenberg, C; Kubu, M; Kumar, A; Kuruppu, CD; Kus, V; Lackey, T; Lang, K; Lasorak, P; Lesmeister,	Measurement of the ve-Nucleus Charged-Current Double-Differential Cross Section at $\langle E \nu \rangle = 2.4$ GeV Using NOvA	2023	PHYSICAL REVIEW LETTERS	130	5				10.1103/PhysRevLett.130.051802	AMER PHYSICAL SOC	0031-9007	Green Submitted , hybrid	WoS
2187	Article	Dong, TV; Luo, T; Adachi, I; Aihara, H; Asner, DM; Atmacan, H; Aulchenko, V; Aushev, T; Ayad, R; Babu, V; Bahinipati, S; Behera, P; Belous, K; Bernlochner, F; Bessner, M; Bhuyan, B; Bilka, T; Biswal, J; Bobrov, A; Bozek, A; Bracko, M; Branchini, P; Browder, TE; Budano, A; Campajola, M; Cervenkov, D; Chang, MC; Chang, P; Chen, A; Cheon, BG; Chilikin, K; Cho, HE; Cho, K; Cho, SJ; Choi, SK; Choi, Y; Choudhury, S; Cinabro, D; Cunliffe, S; Czank, T; Das, S; De Nardo, G; De Pietro, G; Dhamija, R; Di Capua, F; Dingfelder, J; Dolezal, Z; Dubey, S; Epifanov, D; Ferber, T; Ferlewicz, D; Fulsom, BG; Garg, R; Gaur, V; Gabyshev, N; Garmash, A; Giri, A; Goldenzweig, P; Graziani, E; Gu, T; Gudkova, K; Hara, T; Hartbrich, O; Hayasaka, K; Villanueva, MH; Hou, WS; Hsu, CL; Inami, K; Inguglia, G; Ishikawa, A; Itoh, R; Iwasaki, M; Jacobs, WW; Jang, EJ; Jia, S; Jin, Y; Joo, KK; Kahn, J; Kang, KH; Kichimi, H; Kiesling, C; Kim, CH; Kim, DY; Kim, SH; Kim, YK; Kimmel, TD; Kodys, P; Konno, T; Korobov, A; Korpar, S; Kovalenko, E; Krizan, P; Kroeger, R; Krovovny, P; Kuhr, T; Kulasiri, R; Kumar, M; Kumar, R; Kumara, K; Kuzmin, A; Kwon, YJ;	Search for the decay $B^0 \rightarrow K^*0 \tau^+ \tau^-$ at the Belle experiment	2023	PHYSICAL REVIEW D	108	1				10.1103/PhysRevD.108.L011102	AMER PHYSICAL SOC	2470-0010	hybrid, Green Submitted	WoS

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2188	Correction	Abudinén, F; Aggarwal, L; Ahmed, H; Aihara, H; Akopov, N; Al Said, S; Aloisio, A; Ky, NA; Asner, DM; Atmacan, H; Aushev, V; Ayad, R; Babu, V; Bacher, S; Baehr, S; Bahinipati, S; Bambade, P; Banerjee, S; Bansal, S; Baudot, J; Becker, J; Behera, PK; Belous, K; Bennett, JV; Bernlochner, FU; Bertemes, M; Bertholet, E; Bessner, M; Bettarini, S; Bianchi, F; Bilka, T; Biswas, D; Bobrov, A; Bodrov, D; Bonvicini, G; Borah, J; Bozek, A; Bracko, M; Branchini, P; Briere, RA; Browder, TE; Budano, A; Bussino, S; Campajola, M; Cao, L; Casarosa, G; Cecchi, C; Cervenkov, D; Cheema, P; Chekelian, V; Chen, A; Cheon, BG; Chilikin, K; Chirapatpimol, K; Cho, HE; Cho, SJ; Choi, SK; Choi, Y; Choudhury, S; Cinabro, D; Corona, L; Cunliffe, S; Czank, T; Das, S; Dattola, F; De La Cruz-Burelo, E; de Marino, G; Maurya, SK; De Nardo, G; De Nuccio, M; De Pietro, G; de Sangro, R; Destefanis, M; Dey, S; De Yta-Hernandez, A; Dhamija, R; Di Canto, A; Dolezal, Z; Jiménez, ID; Dong, TV; Dorigo, M; Dossett, D; Dubey, S; Dujany, G; Eliachevitch, M; Epifanov, D; Feichtinger, P; Ferlewicz, D; Fillinger, T; Fiore, S; Fodor, A; Forti, F;	Combined analysis of Belle and Belle II data to determine the CKM angle ϕ_3 using $B^+ \rightarrow D(K_0^{S*}h^-)h^+$ decays (vol 2, 63, 2022)	2022	JOURNAL OF HIGH ENERGY PHYSICS		12					10.1007/JHEP12(2022)034	SPRINGER	1029-8479	gold	WoS	
2189	Article	Abud, AA; Abi, B; Acciarri, R; Acero, MA; Adames, MR; Adamov, G; Adams, D; Adinolfi, M; Aduszkiewicz, A; Aguilar, J; Ahmad, Z; Ahmed, J; Ali-Mohammadzadeh, B; Alion, T; Allison, K; Monsalve, SA; Alrashed, M; Alt, C; Alton, A; Amedo, P; Anderson, J; Andreopoulos, C; Andreotti, M; Andrews, MP; Andrianala, F; Andringa, S; Anfimov, N; Ankowski, A; Antoniassi, M; Antonova, M; Antoshkin, A; Antusch, S; Aranda-Fernandez, A; Ariga, A; Arnold, LO; Arroyave, MA; Asaadi, J; Asquith, L; Aurisano, A; Aushev, ; Autiero, D; Ayala-Torres, M; Azfar, F; Back, A; Back, H; Back, JJ; Backhouse, C; Baesso, P; Bagaturia, ; Bagby, L; Balashov, N; Balasubramanian, S; Baldi, P; Baller, B; Bambah, B; Barao, F; Barenboim, G; Barker, GJ; Barkhouse, W; Barnes, C; Barr, G; Monarca, JB; Barros, A; Barros, N; Barrow, JL; Basharina-Freshville, A; Bashyal, A; Basque, ; Belchior, E; Battat, JBR; Battisti, F; Bay, F; Alba, JLB; Beacom, JF; Bechetuille, E; Behera, B; Bellantoni, L; Bellettini, G; Bellini, ; Beltramello, O; Belver, D; Benekos, N; Montiel, CB; Neves, FB; Berger, J; Berkman, S; Bernardini, P;	Design, construction and operation of the ProtoDUNE-SP Liquid Argon TPC	2022	JOURNAL OF INSTRUMENTATION	17	1						10.1088/1748-0221/17/01/P01005	IOP Publishing Ltd		Green Accepted, Green Published, hybrid, Green Submitted	WoS

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1	Conference paper	Balmuchu S.P.; Dobbidi P.	Dielectric and ferroelectric properties of BaTiO ₃ -Bi(Zn ₂ /3(Nb _{0.85} Ta _{0.15}) ₁ /3)O ₃ composites for energy storage applications	2024	AIP Conference Proceedings	2995	1				10.1063/5.0178023	American Institute of Physics Inc.		66th DAE Solid State Physics Symposium, DAE-SSPS 2022	18 December 2022 through 22 December 2022	Ranchi	0094243X	978-073544764-6	All Open Access; Bronze Open Access	Scopus
2	Conference paper	Bhowmick S.; Biswas N.; Kalita P.C.; Sorathia K.	Wow! I Have Tiny Hands: Design And Evaluation Of Adaptive Virtual Hands For Small Object Selection Within Arms Length In Dense Virtual Environment	2023	Conference on Human Factors in Computing Systems - Proceedings						10.1145/3544549.3585686	Association for Computing Machinery	ACM SIGCHI; Apple; Bloomberg; Google; NSF; SIEMENS	Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems, CHI EA 2023	23 April 2023 through 28 April 2023	Hamburg		978-145039422-2		Scopus
3	Conference paper	Ujjwal A.; Sureka S.; Mishra G.K.; Mukherjee M.; Dey A.	Static and dynamic impact forces on a rigid barrier due to dry debris flow simulated by a DEM-based granular column collapse	2023	E3S Web of Conferences	415					10.1051/e3sconf/202341506019	EDP Sciences	BGC Engineering; CSG Centro Servizi di Geoingegneria; et al.; Geobruigg; Hortus; IBTP KOSCHUCH E U	8th International Conference on Debris Flow Hazard Mitigation, DFHM 2023	26 June 2023 through 29 June 2023	Torino	25550403		All Open Access; Gold Open Access; Green Open Access	Scopus
4	Conference paper	Sharma V.; Bhuyan M.K.; Das P.K.	Can Adversarial Networks Make Uninformative Colonoscopy Video Frames Clinically Informative?	2023	Proceedings of the 37th AAAI Conference on Artificial Intelligence, AAAI 2023	37		16322	16323	1	10.1609/aaai.v37i13.27021	AAAI Press	Association for the Advancement of Artificial Intelligence	37th AAAI Conference on Artificial Intelligence, AAAI 2023	7 February 2023 through 14 February 2023	Washington		978-157735880-0	All Open Access; Gold Open Access	Scopus
5	Conference paper	Sarma S.	Zero-Shot Learning for Computer Vision Applications	2023	MM 2023 - Proceedings of the 31st ACM International Conference on Multimedia			9360	9364	4	10.1145/3581783.3613435	Association for Computing Machinery, Inc	ACM SIGMM	31st ACM International Conference on Multimedia, MM 2023	29 October 2023 through 3 November 2023	Ottawa		979-840070108-5		Scopus
6	Conference paper	Talukdar U.; Paul P.	OnE: An EEG-based Passive BCI framework for Monitoring Cognitive States During online learning	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610422	Association for Computing Machinery	ADDERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
7	Conference paper	Mishra A.; Anand A.; Guha P.	Aggregated Co-attention based Visual Question Answering	2023	ACM International Conference Proceeding Series						10.1145/3627631.3627659	Association for Computing Machinery	et al.; Google; Qualcomm; TCS Research Kroop Al; Vehant Technologies; Yamaha	14th Indian Conference on Computer Vision, Graphics and Image Processing, ICVGIP 2023	15 December 2023 through 17 December 2023	Rupnagar		979-840071625-6		Scopus
8	Conference paper	Kulkarni D.D.; Nair S.B.	Transfer Learning for Embodied Neuroevolution	2023	GECCO 2023 Companion - Proceedings of the 2023 Genetic and Evolutionary Computation Conference Companion			2128	2135	7	10.1145/3583133.3596400	Association for Computing Machinery, Inc	ACM SIGEVO	2023 Genetic and Evolutionary Computation Conference Companion, GECCO 2023 Companion	15 July 2023 through 19 July 2023	Lisbon		979-840070120-7		Scopus
9	Conference paper	Gamage D.; Wani A.S.; Jain P.; Padhi D.R.; Borah P.P.; Menon A.R.; Mishra W.; Ahmad M.; Ahmed N.; Sarcar S.; Shahid S.; Balkrishan D.K.	Advancing HCI Research and Education within and across South Asia	2023	Conference on Human Factors in Computing Systems - Proceedings						10.1145/3544549.3573815	Association for Computing Machinery	ACM SIGCHI; Apple; Bloomberg; Google; NSF; SIEMENS	Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems, CHI EA 2023	23 April 2023 through 28 April 2023	Hamburg		978-145039422-2		Scopus

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10	Conference paper	Ambati R.V.; Borthakur A.	A Study on Tiny YOLO for Resource Constrained XRay Threat Detection	2023	ACM International Conference Proceeding Series						10.1145/3639856.3639899	Association for Computing Machinery		3rd International Conference on AI-ML Systems, AIMLSystems 2023	25 October 2023 through 28 October 2023	Bangalore		979-840071649-2	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
11	Conference paper	Lahiri J.; Bhattacharya S.; Ghosh P.; Mukhopadhyaya B.	Two-component dark matter: How to get the hint at collider?	2024	Proceedings of Science	449						Sissa Medialab Srl		2023 European Physical Society Conference on High Energy Physics, EPS-HEP 2023	21 August 2023 through 25 August 2023	Hamburg	18248039			Scopus
12	Conference paper	Kumar M.; Mitra P.	Solving quadratic assignment problem using iterated local search on GPU spatial memory	2023	AIP Conference Proceedings	2705					10.1063/5.0133414	American Institute of Physics Inc.		1st International Conference on Applied Computational Intelligence and Analytics, ACIA 2022	26 February 2022 through 27 February 2022	Virtual, Online	0094243X	978-073544502-4		Scopus
13	Conference paper	Bora D.; Barbora L.; Mahanta P.	Performance assessment of natural base ash solutions for removal of hydrogen sulfide from raw biogas	2023	AIP Conference Proceedings	2584					10.1063/5.0128192	American Institute of Physics Inc.		2nd International Conference on Recent Advances in Fluid and Thermal Sciences 2020, ICRAFT 2020	19 March 2021 through 21 March 2021	Virtual, Online	0094243X	978-073544435-5		Scopus
14	Conference paper	Ramjee P.; Rath A.; Banerjee S.	Design of User-Friendly Smartphone Settings Configuration and Troubleshooting Features for Indian Senior Citizens	2023	ACM International Conference Proceeding Series			245	256	11	10.1145/3638380.3638393	Association for Computing Machinery	CX Insight; Human Factors and Ergonomics Society of Australia (HFESA); New Zealand Chapter of the ACM Special Interest Group on Computer Human Interaction (SIGCHI NZ); Te Herenga Waka  Victoria University of Wellington; University of Melbourne	35th Australian Computer-Human Interaction Conference, OzCHI 2023	2 December 2023 through 6 December 2023	Wellington		979-840071707-9		Scopus
15	Conference paper	Radhika E.; Dobbidi P.	Structural and dielectric properties of cubic AlN thin films deposited by RF-magnetron sputtering technique for electronic applications	2024	AIP Conference Proceedings	2995	1				10.1063/5.0178465	American Institute of Physics Inc.		66th DAE Solid State Physics Symposium, DAE-SSPS 2022	18 December 2022 through 22 December 2022	Ranchi	0094243X	978-073544764-6		Scopus
16	Conference paper	Rana H.A.; Kapil S.	Redundantly Actuated Hybrid Kinematic setup for high Manipulability	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610475	Association for Computing Machinery	ADDERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
17	Conference paper	Singh A.; Kalita P.C.; Singh G.	Construction quality analysis and index	2023	AIP Conference Proceedings	2888	1				10.1063/5.0164431	American Institute of Physics Inc.		5th International Conference on Advances in Steel, Power and Construction Technology, ICASPCT 2022	15 June 2022 through 17 June 2022	Virtual, Online	0094243X			Scopus

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18	Conference paper	Goswami A.P.; Kalamdhad A.S.	Assessment of the Ecological Risks Associated with Heavy Metals in River Bed Sediments	2023	AIP Conference Proceedings	2721	1				10.1063/5.0154150	American Institute of Physics Inc.		2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021	24 December 2021 through 26 December 2021	Mathura	0094243X			Scopus
19	Conference paper	Sharma P.K.; Mitra P.; Biswas S.	Energy-efficient cluster-based application mapping for 2D mesh-based network-on-chips	2023	AIP Conference Proceedings	2705					10.1063/5.0133415	American Institute of Physics Inc.		1st International Conference on Applied Computational Intelligence and Analytics, ACIA 2022	26 February 2022 through 27 February 2022	Virtual, Online	0094243X	978-073544502-4		Scopus
20	Conference paper	Dey B.; Bandyopadhyay S.; Nandi S.	A novel energy efficient load balanced cluster assignment algorithm for IoT based sensor network	2023	AIP Conference Proceedings	2930	1				10.1063/5.0181200	American Institute of Physics Inc.		International Conference on Wireless Technologies, Networks, and Science 2022, ICWTNS 2022	6 October 2022 through 7 October 2022	Dehradun	0094243X			Scopus
21	Conference paper	Pandey S.K.; Nair S.B.	Enhancing Siamese Neural Networks for Multi-class Classification: An Immuno-inspired approach	2023	GECCO 2023 Companion - Proceedings of the 2023 Genetic and Evolutionary Computation Conference Companion			39	40	1	10.1145/3583133.3595827	Association for Computing Machinery, Inc	ACM SIGEVO	2023 Genetic and Evolutionary Computation Conference Companion, GECCO 2023 Companion	15 July 2023 through 19 July 2023	Lisbon		979-840070120-7		Scopus
22	Conference paper	Pradhan G.; Deka B.	Virtual element methods for pulsed electric field model problems on polygonal meshes	2023	AIP Conference Proceedings	2819					10.1063/5.0136893	American Institute of Physics Inc.		2nd International Conference on Applied Mathematics in Science and Engineering, AMSE 2022	24 March 2022 through 26 March 2022	Bhubaneswar	0094243X	978-073544478-2		Scopus
23	Conference paper	Singh B.; Singh S.; Singh D.; Bhan U.; Ranganathan A.; Pandey G.; Goswami L.; Singh Y.	Does the deposition of varied shale lithofacies in the Subathu shale of Parwanoo area (H.P) represent an occurrence of an oceanic anoxic events?	2023	AIP Conference Proceedings	2521					10.1063/5.0115942	American Institute of Physics Inc.		2021 International Conference on Advances in Manufacturing Technologies and Application of Artificial Intelligence, ICAMTAAI 2021	6 August 2021 through 7 August 2021	Dehradun	0094243X	978-073544473-7		Scopus
24	Conference paper	Dey A.; Hazarika S.	Object Stiffness Discrimination from Fingertip Forces	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610497	Association for Computing Machinery	ADDVERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
25	Conference paper	Banerjee P.; Java A.; Jandial S.; Shahid S.; Furniturewala S.; Krishnamurthy B.; Bhatia S.	All Should Be Equal in the Eyes of LMs: Counterfactually Aware Fair Text Generation	2024	Proceedings of the AAAI Conference on Artificial Intelligence	38	16	17673	17681	8	10.1609/aaai.v38i16.29719	Association for the Advancement of Artificial Intelligence	Association for the Advancement of Artificial Intelligence	38th AAAI Conference on Artificial Intelligence, AAAI 2024	20 February 2024 through 27 February 2024	Vancouver	21595399		All Open Access; Gold Open Access	Scopus
26	Conference paper	Narayan J.; Abbas M.; Patel B.M.; Jhunjhunwala S.; Dwivedy S.K.	Improved Fast Terminal Sliding Mode Control for a Pediatric Gait Exoskeleton System: Theory and Experimental Results	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610484	Association for Computing Machinery	ADDVERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus

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27	Conference paper	Pratap S.; Ito K.; Hazarika S.M.	Grasp Synergies in Activities of Daily Living: A Cross-sectional Study using a Multi-sensory Data Glove	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610431	Association for Computing Machinery	ADDVERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
28	Conference paper	Ahlawat N.; Awekar A.	Incremental Isolation Forest to Handle Concept Drift in Anomaly Detection	2024	ACM International Conference Proceeding Series			582	583	1	10.1145/3632410.3632486	Association for Computing Machinery		7th Joint International Conference on Data Science and Management of Data, CODS-COMAD 2024	4 January 2024 through 7 January 2024	Bangalore		979-840071634-8		Scopus
29	Conference paper	Chouhan A.; Motwani H.; Sur A.; Chutia D.; Aggarwal S.P.	MCDNet: Multi Context Dense Network for multi-frame super resolution of satellite images	2023	ACM International Conference Proceeding Series						10.1145/3627631.3627664	Association for Computing Machinery	et al.; Google; Qualcomm; TCS Research Kroop Al; Vehant Technologies; Yamaha	14th Indian Conference on Computer Vision, Graphics and Image Processing, ICVGIP 2023	15 December 2023 through 17 December 2023	Rupnagar		979-840071625-6		Scopus
30	Conference paper	Patel B.M.; Dwivedy S.K.	Manoeuvring control of the snake robot using multi-variable super twisting sliding mode control in the uncertain underwater environment	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610478	Association for Computing Machinery	ADDVERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
31	Conference paper	Narayan J.; Abbas M.; Pratap S.; Bharti R.R.; Dwivedy S.K.	Integrating Robust Gait Tracking Control and Variable Admittance Model for Pediatric Exoskeleton: An 'Assist-as-Needed' Framework	2024	IFAC-PapersOnLine	57		13	18	5	10.1016/j.ifacol.2024.05.020	Elsevier B.V.	Automatic Control and Dynamic Optimization Society (ACDOS, Indian IFAC NMO); Defence Research and Development Organisation (DRDO); et al.; International Federation of Automatic Control (IFAC); International Federation of Automatic Control (IFAC) - TC 2.4. Optimal Control; International Federation of Automatic Control (IFAC) - TC 7.3. Aerospace	8th Conference on Advances in Control and Optimization of Dynamical Systems, ACODS 2024	12 March 2024 through 15 March 2024	Delhi	24058963		All Open Access; Gold Open Access	Scopus
32	Conference paper	Rai R.R.; Awekar A.	Effect of dimensionality change on the bias of word embeddings	2024	ACM International Conference Proceeding Series			601	602	1	10.1145/3632410.3632499	Association for Computing Machinery		7th Joint International Conference on Data Science and Management of Data, CODS-COMAD 2024	4 January 2024 through 7 January 2024	Bangalore		979-840071634-8	All Open Access; Green Open Access	Scopus

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33	Conference paper	Khan M.R.; Mishra P.; Mehta N.; Phutke S.S.; Vipparthi S.K.; Nandi S.; Murala S.	Spectroformer: Multi-Domain Query Cascaded Transformer Network for Underwater Image Enhancement	2024	Proceedings - 2024 IEEE Winter Conference on Applications of Computer Vision, WACV 2024			1443	1452	9	10.1109/WACV57701.2024.00148	Institute of Electrical and Electronics Engineers Inc.	CVF; IEEE Computer Society	2024 IEEE Winter Conference on Applications of Computer Vision, WACV 2024	4 January 2024 through 8 January 2024	Waikoloa		979-835031892-0		Scopus
34	Conference paper	Chakravadhanula V.V.; Agarwal T.; Hazarika S.M.	Motion Planning using Reinforcement Learning for Serial Manipulators	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610420	Association for Computing Machinery	ADDVERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
35	Conference paper	Naik A.P.; Pekkat S.	Determination of wetting soil water characteristics curve from disk infiltrometer measurements	2023	E3S Web of Conferences	382					10.1051/e3sconf/202338225006	EDP Sciences	ARCHIMEDES S.A.; EDAFOS; ELLAKTOR GROUP; et al.; GDS; METER	8th International Conference on Unsaturated Soils, UNSAT 2023	2 May 2023 through 5 May 2023	Milos	25550403		All Open Access; Gold Open Access	Scopus
36	Conference paper	Pandey S.	Neuroevolution of a Multi-Generator GAN	2024	Proceedings of the AAAI Conference on Artificial Intelligence	38	21	23608	23609	1	10.1609/aaai.v38i21.30493	Association for the Advancement of Artificial Intelligence	Association for the Advancement of Artificial Intelligence	38th AAAI Conference on Artificial Intelligence, AAAI 2024	20 February 2024 through 27 February 2024	Vancouver	21595399		All Open Access; Gold Open Access	Scopus
37	Conference paper	Pramanick S.; Jana S.; Bhattacharya A.; Mandal P.S.	Distributed Uniform Partitioning of a Region using Opaque ASYNC Luminous Mobile Robots	2024	ACM International Conference Proceeding Series			55	64	9	10.1145/3631461.3631555	Association for Computing Machinery		25th International Conference on Distributed Computing and Networking, ICDCN 2024	4 January 2024 through 7 January 2024	Chennai		979-840071673-7		Scopus
38	Conference paper	Rangu G.; Nair S.B.	On Mobile-Agent-based Swarm Reinforcement Learning in a Heterogeneous Robotic Network	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610499	Association for Computing Machinery	ADDVERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
39	Conference paper	Sarmah N.; Bordoloi P.; Hazarika S.	Real-Time Surface EMG-based Recognition of Finger Movements	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610498	Association for Computing Machinery	ADDVERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
40	Conference paper	Basumatary H.; Hazarika S.; Kanbaskar P.; Shrawge A.	Low Level Grasp Controller for Slippage and Deformation Prevention exploiting Deep Reinforcement Learning	2023	ACM International Conference Proceeding Series						10.1145/3610419.3610483	Association for Computing Machinery	ADDVERB; et al.; MathWorks; Miyuki Technologies PUT Ltd; Pukhya; QUALISYS	6th International Conference on Advances in Robotics, AIR 2023	5 July 2023 through 8 July 2023	Ropar		978-145039980-7		Scopus
41	Conference paper	Pathak S.; Singh G.; Anand A.; Guha P.	S-VQA: Sentence-Based Visual Question Answering	2023	ACM International Conference Proceeding Series						10.1145/3627631.3627670	Association for Computing Machinery	et al.; Google; Qualcomm; TCS Research Kroop Al; Vehant Technologies; Yamaha	14th Indian Conference on Computer Vision, Graphics and Image Processing, ICVGIP 2023	15 December 2023 through 17 December 2023	Rupnagar		979-840071625-6		Scopus
42	Conference paper	Dhamodharan K.; Kalamdhad A.S.; Singh K.R.	Treatment of Leftover Kitchen Waste Mixed with Different Waste in A Single Phase Anaerobic Batch Process	2023	AIP Conference Proceedings	2721	1				10.1063/5.0154792	American Institute of Physics Inc.		2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021	24 December 2021 through 26 December 2021	Mathura	0094243X			Scopus

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43	Conference paper	Kumar S.; Mondal A.; Pandey A.; Das S.; Bag A.	Exploring Phase and Bandgap Variations in Gallium Oxide Using Mist-based Chemical Vapor Deposition System	2024	IEEE Electron Devices Technology and Manufacturing Conference: Strengthening the Globalization in Semiconductors, EDTM 2024						10.1109/EDTM58488.2024.10511795	Institute of Electrical and Electronics Engineers Inc.		8th IEEE Electron Devices Technology and Manufacturing Conference, EDTM 2024	3 March 2024 through 6 March 2024	Bangalore				Scopus
44	Conference paper	Kumar R.; Nashine C.; Nadaf A.M.; Hussain M.S.; Pandey M.	Experimental Investigation of Fluid Flow Behaviour in Parallel Microchannel Using Micro-PIV	2024	Lecture Notes in Mechanical Engineering			425	436	11	10.1007/978-981-99-7177-0_35	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
45	Conference paper	Sarmah P.; Patowari P.K.	Fabrication of Al and Mg-Based Metal Matrix Composites with SiC Reinforcement Particles	2024	Lecture Notes in Mechanical Engineering			313	318	5	10.1007/978-981-97-0900-7_26	Springer Science and Business Media Deutschland GmbH		3rd International Conference on Recent Advancements in Mechanical Engineering, ICRAME 2022	4 February 2022 through 6 February 2022	Silchar				Scopus
46	Conference paper	Kumar D.; Bhuyan B.	Search for the Decay $Bs0 \rightarrow J/\psi \pi^0$ at $\Upsilon(5S)$ Resonance	2024	Springer Proceedings in Physics	304		1248	1250	2	10.1007/978-981-97-0289-3_353	Springer Science and Business Media Deutschland GmbH		25th DAE-BRNS High Energy Physics Symposium, HEPS 2022	12 December 2022 through 16 December 2022	IISER Mohali				Scopus
47	Conference paper	Kumar S.; Dwivedy S.K.	Super-Twisting Sliding Mode Control for Crack Sealing Manipulator	2024	Lecture Notes in Mechanical Engineering			99	111	12	10.1007/978-981-97-7535-4_9	Springer Science and Business Media Deutschland GmbH		5th International Conference on Recent Advancements in Mechanical Engineering, ICRAME 2024	2 February 2024 through 4 February 2024	Silchar				Scopus
48	Conference paper	Malviya H.; Kumar C.	Development of FPGA-based Interface Card for Power Electronic Converter Control	2024	Proceedings of the International Conference on Power Electronics, Drives, and Energy Systems for Industrial Growth, PEDES		2024				10.1109/PEDES61459.2024.10961021	Institute of Electrical and Electronics Engineers Inc.	Altair; Borgwarner; et al.; IEEE Industry Applications Society (IAS); Mitsubishi Electric; ONGC MRPL	11th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2024	18 December 2024 through 21 December 2024	Mangalore				Scopus
49	Conference paper	Meka N.; Tripathy P.	Decentralized Energy Trading with Smart Contracts in Blockchain Ecosystem	2024	Proceedings of the 2024 23rd National Power Systems Conference: Achieving Decarbonized, Digitalized Energy and Electric Transportation Systems, NPSC 2024						10.1109/NPSC61626.2024.10987222	Institute of Electrical and Electronics Engineers Inc.		23rd National Power Systems Conference, NPSC 2024	14 December 2024 through 16 December 2024	Indore				Scopus
50	Conference paper	Sangineni R.; Nayak S.K.; Haddad M.A.	A Portable, Non-Invasive and Non-Destructive Technique for Condition Assessment of Liquid Insulation	2024	Proceedings of the 2024 IEEE 5th International Conference on Dielectrics, ICD 2024						10.1109/ICD59037.2024.10613104	Institute of Electrical and Electronics Engineers Inc.	IEEE Dielectrics and Electrical Insulation Society (DEIS)	5th IEEE International Conference on Dielectrics, ICD 2024	30 June 2024 through 4 July 2024	Toulouse			All Open Access; Green Open Access	Scopus
51	Conference paper	Kumari T.; Pandey M.	Study of Physical Characteristics of a Bi-porous Composite Capillary Wick for a Flat Miniature Loop Heat Pipe	2024	Lecture Notes in Mechanical Engineering			211	221	10	10.1007/978-981-99-6074-3_20	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus

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52	Conference paper	Su Y.-H.; Bhowmick P.; Lanzon A.	A Negative Imaginary Solution to an Aircraft Platooning Problem	2024	2024 European Control Conference, ECC 2024			2580	2585	5	10.23919/ECC64448.2024.10591252	Institute of Electrical and Electronics Engineers Inc.		2024 European Control Conference, ECC 2024	25 June 2024 through 28 June 2024	Stockholm				Scopus
53	Conference paper	Kumar S.; Dwivedy S.K.	Crack Sealing Control of Concrete Pipe by Robust Sliding Mode Control with Different Reaching Law	2024	Lecture Notes in Mechanical Engineering			407	422	15	10.1007/978-981-97-5423-6_31	Springer Science and Business Media Deutschland GmbH		6th International and 21st National Conference on Machines and Mechanisms, iNaCoMM 2023	7 December 2023 through 9 December 2023	Raipur				Scopus
54	Conference paper	Kamble A.D.; Das D.; Kalita P.	Designing an absorber for solar photovoltaic thermal systems: A heat pipe approach and comparative evaluation	2024	IOP Conference Series: Earth and Environmental Science	1372	1				10.1088/1755-1315/1372/1/012022	Institute of Physics		International Conference on Sustainable Energy and Green Technology 2023, SEGT 2023	10 December 2023 through 13 December 2023	Ho Chi Minh City			All Open Access; Gold Open Access	Scopus
55	Conference paper	Kumar D.; Mondal P.K.	Influence of Axial Wall Slip on Swirl Velocity in a Laminar Microtube Flow	2024	Lecture Notes in Mechanical Engineering			333	345	12	10.1007/978-981-99-5755-2_34	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
56	Conference paper	Kumar M.H.; Sharma S.; Yoganandam Y.; Deka K.; Kherani A.	Reconfigurable Intelligent Surfaces Assisted SM-Cooperative NOMA for THz Communications	2024	2024 National Conference on Communications, NCC 2024						10.1109/NCC60321.2024.10486034	Institute of Electrical and Electronics Engineers Inc.		30th National Conference on Communications, NCC 2024	28 February 2024 through 2 March 2024	Chennai				Scopus
57	Conference paper	Senapati D.; Maurya D.; Sarkar A.; Karfa C.	ERS: Energy-efficient Real-time DAG Scheduling on Uniform Multiprocessor Embedded Systems	2024	Proceedings of the IEEE International Conference on VLSI Design			354	359	5	10.1109/VLSID60093.2024.00065	IEEE Computer Society		37th International Conference on VLSI Design, VLSID 2024	6 January 2024 through 10 January 2024	Kolkata, West Bengal				Scopus
58	Conference paper	Mazumder M.; Kumar P.; Ganguly S.	Optimal Parameter Extraction and Performance Evaluation of Equivalent Circuit Models for Lithium-ion batteries under Dynamic Conditions	2024	ICEPE 2024 - 6th International Conference on Energy, Power and Environment: Towards Indigenous Energy Utilization						10.1109/ICEPE63236.2024.10668901	Institute of Electrical and Electronics Engineers Inc.	North Eastern Council; Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India	6th International Conference on Energy, Power and Environment, ICEPE 2024	20 June 2024 through 22 June 2024	Shillong				Scopus
59	Conference paper	Bhattacharya S.; Chakraborti S.; Pradhan D.	WIMP-FIMP Phenomenology Before and After EWSB	2024	Springer Proceedings in Physics	304	SPPHY	48	51	3	10.1007/978-981-97-0289-3_9	Springer Science and Business Media Deutschland GmbH		25th DAE-BRNS High Energy Physics Symposium, HEPS 2022	12 December 2022 through 16 December 2022	IISER Mohali				Scopus
60	Conference paper	Sharma V.; Keshari P.; Sharma S.; Deka K.; Jain S.; Bhatia V.	Deep Learning-based Mitigation of Nonlinear Hardware Impairments for THz Communication	2024	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC						10.1109/PIMRC59610.2024.10817222	Institute of Electrical and Electronics Engineers Inc.		35th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2024	2 September 2024 through 5 September 2024	Valencia				Scopus
61	Conference paper	Karsh B.; Laskar R.H.; Karsh R.K.; Bhuyan M.K.	AttV19Net: Attention Based VGG 19 Network for Hand Gesture Recognition with a Prototype	2024	IEEE Region 10 Annual International Conference, Proceedings/TENCON			1235	1238	3	10.1109/TENCON61640.2024.10902671	Institute of Electrical and Electronics Engineers Inc.		2024 IEEE Region 10 Conference, TENCON 2024	1 December 2024 through 4 December 2024	Singapore				Scopus

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62	Conference paper	Sarkar T.T.; Upadhyaya A.; Mahanta C.	Design of Hysteresis Control based Adaptive Sliding Mode Control and Cuckoo Search based PI Control for DC-DC Boost Converters	2024	2024 28th International Conference on Methods and Models in Automation and Robotics, MMAR 2024 - Proceedings			211	216	5	10.1109/MMAR62187.2024.10680747	Institute of Electrical and Electronics Engineers Inc.		28th International Conference on Methods and Models in Automation and Robotics, MMAR 2024	27 August 2024 through 30 August 2024	Miedzyzdroje				Scopus
63	Conference paper	Kumar P.; Ganguly S.	Optimal Parameter Extraction and Performance Evaluation of Empirical Polarization Curve Model for Proton Exchange Membrane Fuel Cell	2024	Proceedings of the 2024 23rd National Power Systems Conference: Achieving Decarbonized, Digitalized Energy and Electric Transportation Systems, NPSC 2024						10.1109/NPSC61626.2024.10986920	Institute of Electrical and Electronics Engineers Inc.		23rd National Power Systems Conference, NPSC 2024	14 December 2024 through 16 December 2024	Indore				Scopus
64	Conference paper	Agrawal K.; Borthakur A.; Singh A.K.; Srikanan P.; Nandi D.; Pujari O.	Neural Decision Tree for Bio-TinyML	2024	2024 IEEE Biomedical Circuits and Systems Conference, BioCAS 2024						10.1109/BioCAS61083.2024.10798396	Institute of Electrical and Electronics Engineers Inc.	et al.; IEEE; IEEE Circuits and Systems Society (CAS); IEEE Engineering in Medicine and Biology Society (EMBS); IEEE Solid-State Circuits Society (SSCS); Xi'an Aerospace Minxin Technology Co., Ltd.	2024 IEEE Biomedical Circuits and Systems Conference, BioCAS 2024	24 October 2024 through 26 October 2024	Xi'an				Scopus
65	Conference paper	Marjit S.; Talukdar U.; Hazarika S.M.	Enhancing EEG-Based Emotion Recognition Using MultiDomain Features and Genetic Algorithm Based Feature Selection	2024	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	13102		345	353	8	10.1007/978-3-031-12700-7_36	Springer Science and Business Media Deutschland GmbH		9th International Conference on Pattern Recognition and Machine Intelligence, PReMI 2021	15 December 2021 through 18 December 2021	Kolkata				Scopus
66	Conference paper	Sangineni R.; Chandrasekaran T.; Nayak S.K.; Haddad M.A.	Partial Discharges at Boundaries of Oil-Pressboard Immersed in Mixed Insulating Oils	2024	Proceedings of the 2024 IEEE 5th International Conference on Dielectrics, ICD 2024						10.1109/ICD59037.2024.10613277	Institute of Electrical and Electronics Engineers Inc.	IEEE Dielectrics and Electrical Insulation Society (DEIS)	5th IEEE International Conference on Dielectrics, ICD 2024	30 June 2024 through 4 July 2024	Toulouse				Scopus
67	Conference paper	Nemade L.H.; Robi P.S.; Biswas P.	Abrasive Wear Behaviour of Reformer HP40Nb Steel	2024	Lecture Notes in Electrical Engineering	1061		31	39	8	10.1007/978-981-99-4362-3_4	Springer Science and Business Media Deutschland GmbH		2nd International Conference on Emerging Trends in Engineering and Technology, EGTET 2022	21 April 2022 through 23 April 2022	Guwahati				Scopus
68	Conference paper	Basumatary H.; Sarkar T.T.; Hazarika S.M.	Robustifying a Reinforcement Learning based Grasped Object Slippage Prevention Controller through Adaptive Sliding Mode Control	2024	2024 28th International Conference on Methods and Models in Automation and Robotics, MMAR 2024 - Proceedings			363	368	5	10.1109/MMAR62187.2024.10680774	Institute of Electrical and Electronics Engineers Inc.		28th International Conference on Methods and Models in Automation and Robotics, MMAR 2024	27 August 2024 through 30 August 2024	Miedzyzdroje				Scopus

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69	Conference paper	Roy R.; Mishra A.K.	Effect of Sodium Chloride on Plasticity, Swelling, and Compressibility Characteristics of Organo-Nanoclay Amended Bentonite	2024	Lecture Notes in Civil Engineering	492 LNCE		229	238	9	10.1007/978-981-97-2704-9_22	Springer Science and Business Media Deutschland GmbH		Indian Geotechnical Conference, IGC 2022	15 December 2022 through 17 December 2022	Kochi				Scopus
70	Conference paper	Roy P.; Hazarika A.; Trivedi G.	Design of VTFET-Based Biosensor Utilizing Ambipolar Current in Detection Mechanism	2024	Proceedings of 2024 IEEE International Conference of Electron Devices Society Kolkata Chapter, EDKCON 2024			673	677	4	10.1109/EDKCON62339.2024.10870611	Institute of Electrical and Electronics Engineers Inc.		3rd IEEE International Conference of Electron Devices Society Kolkata Chapter, EDKCON 2024	30 November 2024 through 1 December 2024	Kolkata				Scopus
71	Conference paper	Gaurav S.; Kumar C.	Inertia Synthesis for AHO Controlled Converters in Smart Transformer Based Distribution Systems	2024	Proceedings of the International Conference on Power Electronics, Drives, and Energy Systems for Industrial Growth, PEDES		2024				10.1109/PEDES61459.2024.10961821	Institute of Electrical and Electronics Engineers Inc.	Altair; Borgwarner; et al.; IEEE Industry Applications Society (IAS); Mitsubishi Electric; ONGC MRPL	11th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2024	18 December 2024 through 21 December 2024	Mangalore				Scopus
72	Conference paper	Bharti K.; Haque S.; Das P.K.	A Novel Dysarthric Speech Synthesis system using Tacotron2 for specific and OOV words	2024	2024 International Conference on Signal Processing and Communications, SPCOM 2024						10.1109/SPCOM60851.2024.10631612	Institute of Electrical and Electronics Engineers Inc.		15th International Conference on Signal Processing and Communications, SPCOM 2024	1 July 2024 through 4 July 2024	Bangalore				Scopus
73	Conference paper	Sheikh M.M.; Sreenath J.G.; Tripathy P.; Adda R.	Optimal Network Clustering in Edge Computing Architecture for Distribution Network Monitoring	2024	Proceedings of the 2024 23rd National Power Systems Conference: Achieving Decarbonized, Digitalized Energy and Electric Transportation Systems, NPSC 2024						10.1109/NPSC61626.2024.10986820	Institute of Electrical and Electronics Engineers Inc.		23rd National Power Systems Conference, NPSC 2024	14 December 2024 through 16 December 2024	Indore				Scopus
74	Conference paper	Sood R.; Sharma N.; Laishram B.	BIM AND BLOCKCHAIN INTEGRATED CONSTRUCTION MANAGEMENT: A REVIEW	2024	World Construction Symposium			291	305	14	10.31705/WCS.2024.23	Ceylon Institute of Builders		12th World Construction Symposium, WCS 2024	9 August 2024 through 10 August 2024	Moratuwa				Scopus
75	Conference paper	Hiremath S.C.; Kumar R.; Nadaf A.M.; Pandey M.	Numerical Analysis of Heat Transfer and Fluid Flow in Microchannel Heat Sinks Designed for Uniform Cooling	2024	Lecture Notes in Mechanical Engineering			345	355	10	10.1007/978-981-99-7177-0_29	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
76	Conference paper	Sarmah P.; Chakraborty S.; Tamborra I.; Auchetti K.	Gamma-Rays and High Energy Neutrinos from Young Supernovae	2024	Springer Proceedings in Physics	304 SPPHY		120	123	3	10.1007/978-981-97-0289-3_25	Springer Science and Business Media Deutschland GmbH		25th DAE-BRNS High Energy Physics Symposium, HEPS 2022	12 December 2022 through 16 December 2022	IISER Mohali				Scopus
77	Conference paper	Rai A.; Tiwari R.; Bordoloi D.J.	Fault Prediction in Induction Motor Using Artificial Neural Network Algorithms	2024	Mechanisms and Machine Science	153		403	422	19	10.1007/978-981-99-8986-7_27	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus

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78	Conference paper	Mishra A.; Chopra R.; Bhavani Shankar M.R.	On the Coexistence of Multi-Static Tracking Radars with Cell Free Massive MIMO	2024	2024 National Conference on Communications, NCC 2024						10.1109/NCC60321.2024.10485822	Institute of Electrical and Electronics Engineers Inc.		30th National Conference on Communications, NCC 2024	28 February 2024 through 2 March 2024	Chennai				Scopus
79	Conference paper	Behera P.P.; Kumar S.; Kumari M.; Mondal P.K.; Arun R.K.	Gold Nanoparticle-Antibody Bio-Probe Analysis: Synthesis, Conjugation, Characterization and Dot Blot Assay on Paper	2024	Lecture Notes in Mechanical Engineering			643	653	10	10.1007/978-981-99-7177-0_54	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
80	Conference paper	Kumar D.; Meikap S.; Kumar C.; Carnielutti F.; Rodriguez J.	Model Predictive Control of Solar PV and Battery Converters Using Droop Control	2024	Proceedings of the International Conference on Power Electronics, Drives, and Energy Systems for Industrial Growth, PEDES		2024				10.1109/PEDES61459.2024.10961475	Institute of Electrical and Electronics Engineers Inc.	Altair; Borgwarner; et al.; IEEE Industry Applications Society (IAS); Mitsubishi Electric; ONGC MRPL	11th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2024	18 December 2024 through 21 December 2024	Mangalore				Scopus
81	Conference paper	Mathur S.V.; Bafna J.; Kartik K.; Khandelwal H.; Shrivastava M.; Gupta V.; Bansal M.; Roth D.	Knowledge-Aware Reasoning over Multimodal Semi-structured Tables	2024	EMNLP 2024 - 2024 Conference on Empirical Methods in Natural Language Processing, Findings of EMNLP 2024			14054	14073	19	10.18653/v1/2024.findings-emnlp.822	Association for Computational Linguistics (ACL)	Apple; Bloomberg; Citadel Securities; et al.; Google DeepMind; Meta	2024 Findings of the Association for Computational Linguistics, EMNLP 2024	12 November 2024 through 16 November 2024	Hybrid, Miami				Scopus
82	Conference paper	Meikap S.; Kumar C.; Carnielutti F.; Rodriguez J.	A Finite Control Set Based Model Predictive Control for Reducing Inductor Current Ripple in Dual Active Bridge Converter	2024	Proceedings of the International Conference on Power Electronics, Drives, and Energy Systems for Industrial Growth, PEDES		2024				10.1109/PEDES61459.2024.10961540	Institute of Electrical and Electronics Engineers Inc.	Altair; Borgwarner; et al.; IEEE Industry Applications Society (IAS); Mitsubishi Electric; ONGC MRPL	11th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2024	18 December 2024 through 21 December 2024	Mangalore				Scopus
83	Conference paper	Barman S.R.; Mahanta S.; Sharma N.K.	Unsupervised modeling of vowel harmony using WaveGAN	2024	Proceedings of the International Conference on Speech Prosody			200	204	4	10.21437/SpeechProsody.2024-41	International Speech Communication Association	De Gruyter; Equinox Publishing; et al.; John Benjamins Publishing Company; Language Science Press; Oxford University Press	12th International Conference on Speech Prosody, Speech Prosody 2024	2 July 2025 through 5 July 2025	Leiden				Scopus
84	Conference paper	Zaidi S.; Singh P.; Guha P.	Designing a U-Net Architecture for Underwater Image Enhancement	2024	2024 National Conference on Communications, NCC 2024						10.1109/NCC60321.2024.10485836	Institute of Electrical and Electronics Engineers Inc.		30th National Conference on Communications, NCC 2024	28 February 2024 through 2 March 2024	Chennai				Scopus
85	Conference paper	Dhaked D.K.; Kumar P.; Ganguly S.	Development of Data Driven Model for Proton Exchange Membrane Fuel Cell Using Machine Learning Approaches	2024	2024 IEEE 3rd International Conference on Control, Instrumentation, Energy and Communication, CIEC 2024 - Proceedings			67	72	5	10.1109/CIEC59440.2024.10468283	Institute of Electrical and Electronics Engineers Inc.	Armatics Applications; CSIR-INDIA; Digital Communication and Control Pvt. Ltd. (DCC) with Glow Railpower; HollySys; IEEE Instrumentation and Measurement Society	3rd IEEE International Conference on Control, Instrumentation, Energy and Communication, CIEC 2024	25 January 2024 through 27 January 2024	Kolkata				Scopus

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86	Conference paper	Kumar A.; Kanumuri D.; Sahu S.S.; Baruah N.; Nayak S.K.	Effect of Furfural on Dielectric Characteristics of Mineral Oil	2024	Proceedings of 2024 IEEE 7th International Conference on Condition Assessment Techniques in Electrical Systems, CATCON 2024			177	180	3	10.1109/CATCON60527.2024.10831634	Institute of Electrical and Electronics Engineers Inc.		7th IEEE International Conference on Condition Assessment Techniques in Electrical Systems, CATCON 2024	22 November 2024 through 24 November 2024	Kolkata				Scopus
87	Conference paper	Gupta V.; Pandya P.; Kataria T.; Gupta V.; Roth D.	Evaluating Concurrent Robustness of Language Models Across Diverse Challenge Sets	2024	EMNLP 2024 - 2024 Conference on Empirical Methods in Natural Language Processing, Proceedings of the Conference			22162	22184	22	10.18653/v1/2024.emnlp-main.1237	Association for Computational Linguistics (ACL)	Apple; Bloomberg; Citadel Securities; et al.; Google DeepMind; Meta	2024 Conference on Empirical Methods in Natural Language Processing, EMNLP 2024	12 November 2024 through 16 November 2024	Hybrid, Miami			All Open Access; Green Open Access	Scopus
88	Conference paper	Gogoi P.; Karsh B.; Karsh R.K.; Laskar R.H.; Bhuyan M.K.	Sign Language Gesture Recognition Using YOLOv9 for Medical Attention of Hard of Hearing Population	2024	IEEE Region 10 Annual International Conference, Proceedings/TENCON			1231	1234	3	10.1109/TENCON61640.2024.10902765	Institute of Electrical and Electronics Engineers Inc.		2024 IEEE Region 10 Conference, TENCON 2024	1 December 2024 through 4 December 2024	Singapore				Scopus
89	Conference paper	Dutta A.; Ganguly S.; Kumar C.	Volt/Var Control of Smart Transformer fed Active Distribution Networks	2024	Proceedings of the International Conference on Power Electronics, Drives, and Energy Systems for Industrial Growth, PEDES		2024				10.1109/PEDES61459.2024.10961262	Institute of Electrical and Electronics Engineers Inc.	Altair; Borgwarner; et al.; IEEE Industry Applications Society (IAS); Mitsubishi Electric; ONGC MRPL	11th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2024	18 December 2024 through 21 December 2024	Mangalore				Scopus
90	Conference paper	Kumar P.; Ganguly S.	Development and Parameter Extraction of Simplified Empirical Polarization Curve Model for Polymer Electrolyte Membrane Fuel Cell	2024	Conference Proceedings - 13th IEEE Power and Energy Society: Innovative Smart Grid Technologies - Asia, ISGT Asia 2024						10.1109/ISGTAsia61245.2024.10876222	Institute of Electrical and Electronics Engineers Inc.	BESCOM; Electric Power Group (EPG); Envision Net Zero Tech Partner; et al.; KPTCL; Power2	13th IEEE Power and Energy Society: Innovative Smart Grid Technologies - Asia, ISGT Asia 2024	10 November 2024 through 13 November 2024	Bengaluru				Scopus
91	Conference paper	Singh M.J.; Sharma L.N.; Dandapat S.	A Machine Learning Framework for Valve Disease Detection and Cardiac Parameter Estimation Using Seismocardiogram Signals	2024	2024 International Conference on Intelligent Cybernetics Technology and Applications, ICICyTA 2024			778	783	5	10.1109/ICICyTA64807.2024.10913251	Institute of Electrical and Electronics Engineers Inc.		4th International Conference on Intelligent Cybernetics Technology and Applications, ICICyTA 2024	17 December 2024 through 19 December 2024	Hybrid, Bali				Scopus
92	Conference paper	Mishra D.K.; Gupta R.; Singh A.	Coalescence of Disc-Shaped Falling Droplets Inside Quiescent Liquid Media	2024	Lecture Notes in Mechanical Engineering			71	76	5	10.1007/978-981-99-6074-3_7	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
93	Conference paper	Mohanty M.; Tiwari R.	Stability of Cage in Bearings of Reaction Wheels for Satellite Application: A Critical Review	2024	Mechanisms and Machine Science	153		231	248	17	10.1007/978-981-99-8986-7_15	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus

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94	Conference paper	Singh M.J.; Sharma L.N.; Dandapat S.	Seismocardiogram-Based Classification of Cardiac Stenosis and Regurgitation Using Explainable Deep Learning Model	2024	Proceedings - 8th IEEE-EMBS Conference on Biomedical Engineering and Sciences: Healthcare Evolution through Technology and Artificial Intelligence, IECBES 2024			238	243	5	10.1109/IECBES61011.2024.10990494	Institute of Electrical and Electronics Engineers Inc.	Australasian College of Physical Scientists and Engineers in Medicine (ACPSEM); Engineers Australia; IUPESM 2025	8th IEEE-EMBS Conference on Biomedical Engineering and Sciences, IECBES 2024	11 December 2024 through 13 December 2024	Penang				Scopus
95	Conference paper	Su Y.-H.; Bhowmick P.; Lanson A.	Output-feedback-based affine formation manoeuvre control of multi-agent systems applying negative imaginary systems theory	2024	Proceedings of the IEEE Conference on Decision and Control			6939	6944	5	10.1109/CDC56724.2024.10886801	Institute of Electrical and Electronics Engineers Inc.	Advanced Technologies for Human-Centered Medicine (Anthem); et al.; Mathworks; Mitsubishi Electric; MOST Centro Nazionale per la Mobilita Sostenibile; Quanser	63rd IEEE Conference on Decision and Control, CDC 2024	16 December 2024 through 19 December 2024	Milan				Scopus
96	Conference paper	Jain S.; Jain S.; Sengupta A.; Dasgupta A.; Bhattacharya S.	Improving Education for Visually Challenged Students through Image Captioning and Automated Reading	2024	2024 4th International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2024						10.1109/ICEFEET64463.2024.10867218	Institute of Electrical and Electronics Engineers Inc.		4th IEEE International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2024	21 November 2024 through 23 November 2024	Patna				Scopus
97	Conference paper	Meikap S.; Gopal R.; Kumar C.; Rodriguez J.	MPC Based Phase Angle Adjustment for Optimal Power Transfer in Neutral Point Clamped Dual Active Bridge Converter	2024	Proceedings of the International Conference on Power Electronics, Drives, and Energy Systems for Industrial Growth, PEDES		2024				10.1109/PEDES61459.2024.10961635	Institute of Electrical and Electronics Engineers Inc.	Altair; Borgwarner; et al.; IEEE Industry Applications Society (IAS); Mitsubishi Electric; ONGC MRPL	11th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2024	18 December 2024 through 21 December 2024	Mangalore				Scopus
98	Conference paper	Naleo V.; Malviya H.; Anandh N.; Kumar C.	Coded Power Transfer for Power Electronic Converter System	2024	Proceedings of the International Conference on Power Electronics, Drives, and Energy Systems for Industrial Growth, PEDES		2024				10.1109/PEDES61459.2024.10961840	Institute of Electrical and Electronics Engineers Inc.	Altair; Borgwarner; et al.; IEEE Industry Applications Society (IAS); Mitsubishi Electric; ONGC MRPL	11th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2024	18 December 2024 through 21 December 2024	Mangalore				Scopus
99	Conference paper	Bharadwaj M.; Rai S.; Gaur A.	White Upconversion Luminescence of Nd3+–Yb3+ Ion Pair Co-Doped Ex Situ Sol–Gel Synthesized Zinc-Silicate Dense Glass	2024	Lecture Notes in Electrical Engineering	1245		67	73	6	10.1007/978-981-97-4760-3_10	Springer Science and Business Media Deutschland GmbH		International Conference on Photonics, PHOTONICS 2023	5 July 2023 through 8 July 2023	Bangalore				Scopus
100	Conference paper	Dey A.B.; Gupta J.; Kumar G.; Kanagaraj S.; Bhattacharjee R.; Sikdar D.	Quadra-Ring SRR Metamaterials: A Novel Design for Enhancement of Magnetic Field in 1.5T MRI Scans	2024	2024 IEEE Silchar Subsection Conference, SILCON 2024						10.1109/SILCON63976.2024.10910553	Institute of Electrical and Electronics Engineers Inc.		2024 IEEE Silchar Subsection Annual Conference, SILCON 2024	15 November 2024 through 17 November 2024	Agartala				Scopus

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101	Conference paper	Gupta V.K.; Bhati G.S.; Yadav A.; Yadav V.; Prakash S.; Sunny	Class-Distribution-Aware Unified Prediction Model for Quantification of Quaternary Mixture of Vehicular Exhausts	2024	2024 4th International Conference on Artificial Intelligence and Signal Processing, AISP 2024						10.1109/AISP61711.2024.10870710	Institute of Electrical and Electronics Engineers Inc.		4th International Conference on Artificial Intelligence and Signal Processing, AISP 2024	26 October 2024 through 28 October 2024	Vijayawada				Scopus
102	Conference paper	Marak B.K.; Singh B.	Settlement-Based Load-Sharing Ratio Variation for Large Piled-Rafts	2024	Lecture Notes in Civil Engineering	477		175	187	12	10.1007/978-981-97-1741-5_16	Springer Science and Business Media Deutschland GmbH		Indian Geotechnical Conference, IGC 2022	15 December 2022 through 17 December 2022	Kochi				Scopus
103	Conference paper	Kanumuri D.; Kumar A.; Sahu S.S.; Anand S.; Baruah N.; Nayak S.K.	Degradation Study of Oxidatively Aged Natural Ester Oil Immersed Pressboard Insulation	2024	Proceedings of 2024 IEEE 7th International Conference on Condition Assessment Techniques in Electrical Systems, CATCON 2024			1	6	5	10.1109/CATCON60527.2024.10831956	Institute of Electrical and Electronics Engineers Inc.		7th IEEE International Conference on Condition Assessment Techniques in Electrical Systems, CATCON 2024	22 November 2024 through 24 November 2024	Kolkata				Scopus
104	Conference paper	Kumar R.; Nashine C.; Nadaf A.M.; Tomar H.K.; Pandey M.	Experimental Investigation of Two-Phase Immiscible Liquid Flow Through a Microchannel	2024	Lecture Notes in Mechanical Engineering			553	562	9	10.1007/978-981-99-7177-0_46	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
105	Conference paper	Kumar R.; Pandey M.	Heat Transfer Enhancement in Miniature Channels with Micro-fin Having Varying Fin Height Along the Axis of Flow	2024	Lecture Notes in Mechanical Engineering			387	399	12	10.1007/978-981-99-7827-4_31	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
106	Conference paper	Jain A.; Sarvendranath R.; Kashyap S.	Joint Antenna Selection and Beamforming for an IRS Aided IoT System	2024	IEEE Wireless Communications and Networking Conference, WCNC						10.1109/WCNC57260.2024.10570704	Institute of Electrical and Electronics Engineers Inc.		25th IEEE Wireless Communications and Networking Conference, WCNC 2024	21 April 2024 through 24 April 2024	Dubai				Scopus
107	Conference paper	Chakraborty I.; Kashyap S.; Sarvendranath R.	Joint Transmit Antenna Selection and Passive Beamforming in IRS-Aided OTFS Systems	2024	2024 National Conference on Communications, NCC 2024						10.1109/NCC60321.2024.10485702	Institute of Electrical and Electronics Engineers Inc.		30th National Conference on Communications, NCC 2024	28 February 2024 through 2 March 2024	Chennai				Scopus
108	Conference paper	Kumar D.; Kumar B.	Stability Characteristics of Linear Unstable Modes in Flow Past Elliptic Cylinders	2024	Lecture Notes in Mechanical Engineering			301	311	10	10.1007/978-981-99-5752-1_25	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
109	Conference paper	Singh M.J.; Sharma L.N.; Dandapat S.	Classification of Stenosis and Regurgitation from Seismocardiogram Signals using Convolutional Neural Network	2024	International Conference on ICT and Knowledge Engineering						10.1109/ICTKE62841.2024.10787174	IEEE Computer Society		22nd International Conference on ICT and Knowledge Engineering, ICT and KE 2024	20 November 2024 through 22 November 2024	Bangkok				Scopus
110	Conference paper	Gautam R.; Manchare S.S.; Dasgupta A.	Improving Detection of Indian Traffic Signs and Signals in Low-Light Conditions Through YOLOv9 and Generative Adversarial Networks	2024	2024 IEEE 21st India Council International Conference, INDICON 2024						10.1109/INDICON63790.2024.10958261	Institute of Electrical and Electronics Engineers Inc.		21st IEEE India Council International Conference, INDICON 2024	19 December 2024 through 21 December 2024	Kharagpur				Scopus

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111	Conference paper	Deka A.; Reddy B.S.	Comparison of Different Manipulability Indices for a 2 D.O.F. Aerial Manipulator	2024	Lecture Notes in Mechanical Engineering			67	75	8	10.1007/978-981-97-7535-4_6	Springer Science and Business Media Deutschland GmbH		5th International Conference on Recent Advancements in Mechanical Engineering, ICROME 2024	2 February 2024 through 4 February 2024	Silchar				Scopus
112	Conference paper	Jha V.K.; Sarvendranath R.; Shaik Z.H.	Distributed Energy-Efficient Power Allocation for a Spectrum Sharing Cell-Free System	2024	2024 International Conference on Signal Processing and Communications, SPCOM 2024						10.1109/SPCOM60851.2024.10631647	Institute of Electrical and Electronics Engineers Inc.		15th International Conference on Signal Processing and Communications, SPCOM 2024	1 July 2024 through 4 July 2024	Bangalore				Scopus
113	Conference paper	Gaurav S.; Kumar C.	Dual Loop based Andronov-Hopf Oscillator Control of Grid-Connected Photovoltaic Systems	2024	IECON Proceedings (Industrial Electronics Conference)						10.1109/IECON55916.2024.10905443	IEEE Computer Society	IEEE Industrial Electronics Society (IES)	50th Annual Conference of the IEEE Industrial Electronics Society, IECON 2024	3 November 2024 through 6 November 2024	Chicago				Scopus
114	Conference paper	Singhal M.; Gupta R.	Computational Investigation on the Empirical Relation of Murray's Law	2024	Lecture Notes in Mechanical Engineering			837	846	9	10.1007/978-981-99-7177-0_69	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
115	Conference paper	Borah D.; Das S.J.; Roshan R.	Signatures of High-Scale Seesaw and PBH Generated Dark Matter in Gravitational Waves with Multiple Tilts	2024	Springer Proceedings in Physics	304		783	785	2	10.1007/978-981-97-0289-3_194	Springer Science and Business Media Deutschland GmbH		25th DAE-BRNS High Energy Physics Symposium, HEPs 2022	12 December 2022 through 16 December 2022	IISER Mohali				Scopus
116	Conference paper	Sahu S.S.; Kanumuri D.; Kumar A.; Nayak S.K.	Effect of TiO2 and ZnO on the Dielectric Properties of Natural Ester Oil Nanofluid Impregnated Pressboard Insulation	2024	Proceedings of 2024 IEEE 7th International Conference on Condition Assessment Techniques in Electrical Systems, CATCON 2024			171	176	5	10.1109/CATCON60527.2024.10830964	Institute of Electrical and Electronics Engineers Inc.		7th IEEE International Conference on Condition Assessment Techniques in Electrical Systems, CATCON 2024	22 November 2024 through 24 November 2024	Kolkata				Scopus
117	Conference paper	Adiba A.; Ahmad T.; Meitei P.N.	Forming free resistive switching with battery-like characteristics in Ag/ZnFe2O4/ITO ReRAM device	2024	IMFEDK 2024 - 2024 International Meeting for Future of Electron Devices, Kansai						10.1109/IMFEDK64776.2024.10814557	Institute of Electrical and Electronics Engineers Inc.	IEEE; IEEE EDS Kansai Chapter; IEEE Electron Devices Society (EDS)	2024 International Meeting for Future of Electron Devices, Kansai, IMFEDK 2024	21 November 2024 through 22 November 2024	Hybrid, Kyoto				Scopus
118	Conference paper	Rathour D.K.; Soti A.K.	Experimental Investigation of Vortex-Induced Vibration of a Circular Cylinder Mounted on a Cantilever Beam	2024	Lecture Notes in Mechanical Engineering			579	591	12	10.1007/978-981-99-5752-1_47	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
119	Conference paper	Boro B.; Parmar R.; Dongre A.; Trivedi G.	Reprogrammable Time-Domain RRAM Based Vector Matrix Multiplier for In-Memory Computing	2024	Proceedings - International Symposium on Quality Electronic Design, ISQED						10.1109/ISQED60706.2024.10528699	IEEE Computer Society	Innovotek; International Society for Quality Electronic Design (ISQED); Silicon Valley Polytechnic Institute	25th International Symposium on Quality Electronic Design, ISQED 2024	3 April 2024 through 5 April 2024	Hybrid, San Francisco				Scopus

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120	Conference paper	Furniturewala S.; Jandial S.; Java A.; Banerjee P.; Shahid S.; Bhatia S.; Jaidka K.	“Thinking” Fair and Slow: On the Efficacy of Structured Prompts for Debiasing Language Models	2024	EMNLP 2024 - 2024 Conference on Empirical Methods in Natural Language Processing, Proceedings of the Conference			213	227	14	10.18653/v1/2024.emnlp-main.13	Association for Computational Linguistics (ACL)	Apple; Bloomberg; Citadel Securities; et al.; Google DeepMind; Meta	2024 Conference on Empirical Methods in Natural Language Processing, EMNLP 2024	12 November 2024 through 16 November 2024	Hybrid, Miami			All Open Access; Green Open Access	Scopus
121	Conference paper	Maurya A.; Pal D.	Exploration of the dielectric properties in Na2Co2TeO6through Impedance Spectroscopy	2024	Journal of Physics: Conference Series	2919	1				10.1088/1742-6596/2919/1/012004	Institute of Physics		2024 International Conference on Frontiers in Pure and Applied Physics, ICFPAP 2024	29 February 2024 through 2 March 2024	Meghalaya			All Open Access; Gold Open Access	Scopus
122	Conference paper	Rao B.R.; Tiwari R.	Identification of Dominant Source of Vibration in Geared Rotors Using Full-Spectrum Analysis	2024	Mechanisms and Machine Science	153		279	295	16	10.1007/978-981-99-8986-7_18	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus
123	Conference paper	Pandey S.; Kumari P.; Gupta H.P.; Rai D.; Rao S.V.	A Site-Specific LoRaWAN Parameters Selection Approach with Multi-Loss Propagation Model	2024	2024 IFIP Networking Conference, IFIP Networking 2024			350	358	8	10.23919/IFIPNetworking62109.2024.10619879	Institute of Electrical and Electronics Engineers Inc.		23rd International Federation for Information Processing on Networking Conference, IFIP Networking 2024	3 June 2024 through 6 June 2024	Thessaloniki				Scopus
124	Conference paper	Rao L.K.; Kumar C.	AC Short-Circuit Fault Detection and Isolation in Islanded Microgrid	2024	Proceedings of the International Conference on Power Electronics, Drives, and Energy Systems for Industrial Growth, PEDES		2024				10.1109/PEDES61459.2024.10961139	Institute of Electrical and Electronics Engineers Inc.	Altair; Borgwarner; et al.; IEEE Industry Applications Society (IAS); Mitsubishi Electric; ONGC MRPL	11th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2024	18 December 2024 through 21 December 2024	Mangalore				Scopus
125	Conference paper	Bhattacharya S.; Sengupta A.; Dasgupta A.	QDFCS: A Comprehensive Database for Visual-Sketch Correspondence in Forensic Facial Identification	2024	2024 4th International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2024						10.1109/ICEFEET64463.2024.10866458	Institute of Electrical and Electronics Engineers Inc.		4th IEEE International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2024	21 November 2024 through 23 November 2024	Patna				Scopus
126	Conference paper	Gond A.K.; Basu D.N.; Dalal A.	Numerical Investigation of Heat Transfer Characteristics of CO2 in a Vertical Divergent Tapered Annular Channel	2024	Lecture Notes in Mechanical Engineering			483	493	10	10.1007/978-981-99-7827-4_38	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
127	Conference paper	Anwar Z.; Longchar I.; Kapoor H.K.	Bit-Beading: Stringing bit-level MAC results for Accelerating Neural Networks	2024	Proceedings of the IEEE International Conference on VLSI Design			216	221	5	10.1109/VLSID60093.2024.00042	IEEE Computer Society		37th International Conference on VLSI Design, VLSID 2024	6 January 2024 through 10 January 2024	Kolkata, West Bengal				Scopus
128	Conference paper	Chakraborty I.; Kashyap S.; Sarvendranath R.	Simultaneously Transmitting And Reflecting (STAR) IRS-Aided OTFS System	2024	International Symposium on Advanced Networks and Telecommunication Systems, ANTS						10.1109/ANTS63515.2024.10898769	IEEE Computer Society	Ennetix; IEEE ComSoc; IP Junction; Springer	18th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2024	15 December 2024 through 18 December 2024	Guwahati				Scopus

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129	Conference paper	Pathak A.; Khare P.; Jraisheh A.; Kulkarni V.	Effect of Upstream Energy Deposition Rate on Flow Characteristics of a Scramjet Engine	2024	Lecture Notes in Mechanical Engineering			825	840	15	10.1007/978-981-99-5752-1_67	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
130	Conference paper	Pandey S.; Kumari P.; Gupta H.P.; Rao S.V.	Advancing LoRaWAN Network Efficiency through Dynamic Receive Window Adjustment	2024	IEEE Wireless Communications and Networking Conference, WCNC						10.1109/WCNC57260.2024.10571078	Institute of Electrical and Electronics Engineers Inc.		25th IEEE Wireless Communications and Networking Conference, WCNC 2024	21 April 2024 through 24 April 2024	Dubai				Scopus
131	Conference paper	Pathak D.; Nandi S.; Sarmah P.	Evaluating Performance of Pre-trained Word Embeddings on Assamese, a Low-resource Language	2024	2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation, LREC-COLING 2024 - Main Conference Proceedings			6418	6425	7		European Language Resources Association (ELRA)	Aequa-Tech; Baidu; Bloomberg; Dataforce (Transperfect); et al.; Intesa San Paolo Bank	Joint 30th International Conference on Computational Linguistics and 14th International Conference on Language Resources and Evaluation, LREC-COLING 2024	20 May 2024 through 25 May 2024	Hybrid, Torino				Scopus
132	Conference paper	Kumar A.; Raj S.; Arrawatia M.; Bhattacharjee R.; Sikdar D.; Sawant A.	On-Chip Terahertz Inverted E-Connected I-Shaped Plasmonic Waveguide Bandpass Filter	2024	2024 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2024						10.1109/MAPCON61407.2024.10923281	Institute of Electrical and Electronics Engineers Inc.		2024 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2024	9 December 2024 through 13 December 2024	Hyderabad				Scopus
133	Conference paper	Badireddi S.; Banerjee R.; Shah P.H.; Roy A.	Exploiting Bias in Reinforcement Learning for Task Allocation in a Mobile Edge Computing System	2024	2024 International Conference on Signal Processing and Communications, SPCOM 2024						10.1109/SPCOM60851.2024.10631623	Institute of Electrical and Electronics Engineers Inc.		15th International Conference on Signal Processing and Communications, SPCOM 2024	1 July 2024 through 4 July 2024	Bangalore				Scopus
134	Conference paper	Biswal S.K.; Pal S.	Influence of Induction Heating on Thermal Characteristics and Residual Stress for Plasma Arc Welding of Structural Steel Plate	2024	Lecture Notes in Mechanical Engineering			371	379	8	10.1007/978-981-97-0418-7_34	Springer Science and Business Media Deutschland GmbH		67th Congress of the Indian Society of Theoretical and Applied Mechanics, ISTAM 2022	14 December 2022 through 16 December 2022	Himachal Pradesh				Scopus
135	Conference paper	Mondal A.; Dass A.K.; Soti A.K.	Prevention of Expansion Shock by the Control of Numerical Dissipation of Upwind Schemes	2024	Lecture Notes in Mechanical Engineering			221	234	13	10.1007/978-981-99-6343-0_17	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus
136	Conference paper	Sangeeta N.; Sharma S.; Deka K.; Rajesh A.	HQAM-OTFS: Enhancing the Shaping Gain of OTFS	2024	IEEE Vehicular Technology Conference						10.1109/VTC2024-Spring62846.2024.10683029	Institute of Electrical and Electronics Engineers Inc.		99th IEEE Vehicular Technology Conference, VTC2024-Spring 2024	24 June 2024 through 27 June 2024	Singapore				Scopus
137	Conference paper	Jaiswal A.; Dandapat S.	Leveraging Convolutional Autoencoders for Bundle Branch Block Detection in Electrocardiograms	2024	2024 International Conference on Signal Processing and Communications, SPCOM 2024						10.1109/SPCOM60851.2024.10631605	Institute of Electrical and Electronics Engineers Inc.		15th International Conference on Signal Processing and Communications, SPCOM 2024	1 July 2024 through 4 July 2024	Bangalore				Scopus
138	Conference paper	Jraisheh A.; Chutia J.; Pathak A.; Kulkarni V.	Laminar Shear Layer Growth in Supersonic Underexpanded Flows	2024	Lecture Notes in Mechanical Engineering			907	918	11	10.1007/978-981-99-5752-1_73	Springer Science and Business Media Deutschland GmbH		9th International and 49th National Conference on Fluid Mechanics and Fluid Power, FMFP 2022	14 December 2022 through 16 December 2022	Roorkee				Scopus

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139	Conference paper	Mohanty S.; Garg A.; Shukla S.S.; Dwivedy S.K.; Dutta S.; Bharti R.	River and Lake Monitoring Through Underwater Remotely Operated Vehicle	2024	Lecture Notes in Civil Engineering	470		265	276	11	10.1007/978-981-97-1227-4_19	Springer Science and Business Media Deutschland GmbH		3rd International Conference on River Corridor Research and Management, RCRM 2023	15 June 2023 through 17 June 2023	Virtual, Online				Scopus
140	Conference paper	Singh A.; Sharma S.; Sharma M.; Deka K.	DL-Based MIMO-OTFS With Hardware Impairments	2024	IEEE Wireless Communications and Networking Conference, WCNC						10.1109/WCNC57260.2024.10570682	Institute of Electrical and Electronics Engineers Inc.		25th IEEE Wireless Communications and Networking Conference, WCNC 2024	21 April 2024 through 24 April 2024	Dubai				Scopus
141	Conference paper	Puri A.; Bellamkonda K.; Narreddy K.; Jose J.; Tamarapalli V.; Narayanan V.	DRackSim: Simulating CXL-enabled Large-Scale Disaggregated Memory Systems	2024	ACM International Conference Proceeding Series			3	14	11	10.1145/3615979.3656059	Association for Computing Machinery	ACM Special Interest Group on Simulation and Modeling (SIGSIM); National Science Foundation (NSF)	38th ACM SIGSIM Conference on Principles of Advanced Discrete Simulation, SIGSIM-PADS 2024	24 June 2024 through 26 June 2024	Atlanta			All Open Access; Green Open Access	Scopus
142	Conference paper	Shukla S.S.; Garg A.; Bharti R.; Dwivedy S.K.	In-House Developed IoT-Enabled Water Quality Measuring Device	2024	Lecture Notes in Civil Engineering	470		277	283	6	10.1007/978-981-97-1227-4_20	Springer Science and Business Media Deutschland GmbH		3rd International Conference on River Corridor Research and Management, RCRM 2023	15 June 2023 through 17 June 2023	Virtual, Online				Scopus
143	Conference paper	Chakraborty S.; Raj H.; Gureja S.; Jain T.; Hassan A.; Basu S.	Evaluating the Robustness of Biomedical Concept Normalization	2023	Proceedings of Machine Learning Research	203		63	73	10		ML Research Press		1st Transfer Learning for Natural Language Processing Workshop, NLP 2022	#####	New Orleans				Scopus
144	Conference paper	Basu A.; Dasgupta A.; Routray A.; Mitra P.	Anisotropic Diffusion-Based Contrast Enhancement of Frontal Facial Thermograms to Extract the Facial Vasculature	2023	2023 IEEE Guwahati Subsection Conference, GCON 2023						10.1109/GCON58516.2023.10183572	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Guwahati Subsection Conference, GCON 2023	23 June 2023 through 25 June 2023	Guwahati				Scopus
145	Conference paper	Kn V.; Singh N.; Hazarika D.; Gupta C.N.	Low to High Dimensional Projection of Seizure Electroencephalography Using Recurrent Neural Network	2023	2023 IEEE 20th India Council International Conference, INDICON 2023			186	191	5	10.1109/INDICON59947.2023.10440874	Institute of Electrical and Electronics Engineers Inc.		20th IEEE India Council International Conference, INDICON 2023	14 December 2023 through 17 December 2023	Hyderabad				Scopus
146	Conference paper	Lolla S.; Oinam R.M.	Evaluation and Prediction of Tensile Strength of Steel Fiber Concrete	2023	Lecture Notes in Civil Engineering	330 LNCE		409	423	14	10.1007/978-981-99-1604-7_31	Springer Science and Business Media Deutschland GmbH		17th Symposium on Earthquake Engineering, SEE 2022	14 November 2022 through 17 November 2022	Roorkee				Scopus
147	Conference paper	Sahu S.K.; Prasoon S.; Gaurav S.; Kumar C.	Operation and Control of Modular Multilevel DC-DC Converter for EV Charging Application	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10384926	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus
148	Conference paper	Gupta S.; Ganesh Narayanan R.; Das S.; Asati B.	Joining of Dissimilar Galvanized Steel Sheets by Resistance Spot Welding and Self-piercing Riveting	2023	Lecture Notes in Mechanical Engineering			381	393	12	10.1007/978-981-19-7612-4_31	Springer Science and Business Media Deutschland GmbH		8th International and 29th All India Manufacturing Technology, Design and Research Conference, AIMTDR 2021	9 December 2021 through 11 December 2021	Virtual, Online				Scopus
149	Conference paper	Anandh N.; Das D.; Kumar C.	UPS Operation of Smart Transformer Fed Triple-Active Bridge Converter for Data Centres	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10384929	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus

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150	Conference paper	Dey A.; Taipodia J.	MASW-based Geophysical Testing and Bearing Capacity Assessment at Bridge Sites from Dolabari to Jamugurihat, Assam	2023	2nd EAGE/Aqua Foundation Indian Near Surface Geophysics Conference and Exhibition						10.3997/2214-4609.202375003	European Association of Geoscientists and Engineers, EAGE		2nd EAGE/Aqua Foundation Indian Near Surface Geophysics Conference and Exhibition	7 November 2023 through 8 November 2023	New Delhi				Scopus
151	Conference paper	Meikap S.; Kumar C.	An NPC Based Triple Active Bridge Isolated Converter for Fast Onboard Battery Charger for All Electric Ship	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10384856	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus
152	Conference paper	Mazhar S.; Atif N.; Bhuyian M.K.; Ahamad S.R.	Improving Semantic Segmentation Performance of Deep Networks for Autonomous Driving through Loss Functions	2023	2023 IEEE Guwahati Subsection Conference, GCON 2023						10.1109/GCON58516.2023.10183416	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Guwahati Subsection Conference, GCON 2023	23 June 2023 through 25 June 2023	Guwahati				Scopus
153	Conference paper	Rangoonwala A.H.; Paul S.; Deb S.K.	Numerical Simulation of Special Moment Resisting Frame with Reduced Beam Section Under Cyclic Load	2023	Lecture Notes in Civil Engineering	331		231	242	11	10.1007/978-981-99-1579-8_19	Springer Science and Business Media Deutschland GmbH		17th International Symposium on Earthquake Engineering, SEE 2022	14 November 2022 through 17 November 2022	Roorkee				Scopus
154	Conference paper	Das S.; Kalita P.	The Future of Sustainable Toys	2023	Smart Innovation, Systems and Technologies	342		1053	1060	7	10.1007/978-981-99-0264-4_86	Springer Science and Business Media Deutschland GmbH		9th International Conference on Research into Design, ICoRD 2023	9 January 2023 through 11 January 2023	Bangalore				Scopus
155	Conference paper	Kamble A.D.; Singh A.; Singh D.; Das D.; Kapil S.; Kalita P.	FEASIBILITY STUDY OF HEAT TRANSFER ENHANCEMENT IN SOLAR PHOTOVOLTAICTHERMAL SYSTEMS USING FDM GENERATED NOVEL CURVED THERMAL ABSORBERS	2023	Proceedings of ASME 2023 Gas Turbine India Conference, GTINDIA 2023						10.1115/GTINDIA2023-118636	American Society of Mechanical Engineers (ASME)	International Gas Turbine Institute	ASME 2023 Gas Turbine India Conference, GTINDIA 2023	7 December 2023 through 8 December 2023	Bangalore				Scopus
156	Conference paper	Sarma U.K.; Kshetrimayum R.S.	Pattern and Frequency Re-configurability with Liquid DRAs: Bi-directional and Uni-Directional Radiation Patterns	2023	2023 National Conference on Communications, NCC 2023						10.1109/NCC56989.2023.10068045	Institute of Electrical and Electronics Engineers Inc.		2023 National Conference on Communications, NCC 2023	23 February 2023 through 26 February 2023	Guwahati				Scopus
157	Conference paper	Bhowmick P.; Bordoloi N.; Lanson A.	Frequency-domain dissipativity analysis for output negative imaginary systems allowing imaginary-axis poles	2023	2023 European Control Conference, ECC 2023						10.23919/ECC57647.2023.10178381	Institute of Electrical and Electronics Engineers Inc.		2023 European Control Conference, ECC 2023	13 June 2023 through 16 June 2023	Bucharest			All Open Access; Green Open Access	Scopus
158	Conference paper	Mishra M.; Sharma R.; Chaudhary R.K.	A Multilayer Slot Coupled Multi-element Monopole Radiator with End-fire Radiation Pattern for mmWave Applications	2023	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023						10.1109/MAPCON58678.2023.10463772	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	11 December 2023 through 14 December 2023	Ahmedabad				Scopus
159	Conference paper	Meikap S.; Kumar N.; Kumar C.	An Arduino Based Modular Battery Management System for Protection and Real Time Monitoring of Lithium-Ion Cell	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10384861	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus

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160	Conference paper	Malviya H.; Kumar C.	Multiport DC Fast EV Charger Based on Modular Multilevel Converter and Quad-Active Bridge	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10384992	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus
161	Conference paper	Singh M.J.; Sharma L.N.; Dandapat S.	Time-Frequency Based Detection of Mitral Regurgitation Using Seismocardiogram Signal	2023	International Conference on ICT and Knowledge Engineering						10.1109/ICTKE58576.2023.10401827	IEEE Computer Society		21st International Conference on ICT and Knowledge Engineering, ICT and KE 2023	22 November 2023 through 24 November 2023	Bangkok				Scopus
162	Conference paper	Sivalingam T.; Sharma A.; Bhatia V.; Rajatheva N.; Sharma S.; Deka K.	Federated Learning-based Base Station Selection on 3D LiDAR Data for Beyond 5G Communications	2023	International Symposium on Advanced Networks and Telecommunication Systems, ANTS						10.1109/ANTS59832.2023.10469265	IEEE Computer Society	Ennetix; IP Junction; Springer	17th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2023	17 December 2023 through 20 December 2023	Jaipur				Scopus
163	Conference paper	Ganguly A.; Sarkar A.; Ghosh A.; Bhowmick P.; Sen S.	Application of Feedback Linearization in Adaptive Controller Design	2024	Lecture Notes in Electrical Engineering	1239		111	127	16	10.1007/978-981-97-6390-0_10	Springer Science and Business Media Deutschland GmbH		3rd International Conference on Innovation in Energy Management and Renewable Resources, IEMRE 2023	16 February 2023 through 18 February 2023	Kolkata				Scopus
164	Conference paper	Khincha S.; Jain C.; Gupta V.; Kataria T.; Zhang S.	INFOSYNC: Information Synchronization across Multilingual Semi-structured Tables	2023	Proceedings of the Annual Meeting of the Association for Computational Linguistics			2536	2559	23	10.18653/v1/2023.findings-acl.159	Association for Computational Linguistics (ACL)	Bloomberg; et al.; Google Research; LIVEPERSON; Meta; Microsoft	Findings of the Association for Computational Linguistics, ACL 2023	9 July 2023 through 14 July 2023	Toronto			All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
165	Conference paper	Paikray A.; Prudhvi S.; Nayak S.K.	Impedance Network Design of the Improved Enhanced-Boost Quasi-Z-Source Inverter	2023	2023 IEEE 3rd International Conference on Smart Technologies for Power, Energy and Control, STPEC 2023						10.1109/STPEC59253.2023.10431290	Institute of Electrical and Electronics Engineers Inc.	IEEE Industry Applications Society (IAS); IEEE Power Electronics Society (PELS)	3rd IEEE International Conference on Smart Technologies for Power, Energy and Control, STPEC 2023	10 December 2023 through 13 December 2023	Bhubaneswar				Scopus
166	Conference paper	Pradhan C.; Dutta S.; Bharti R.	Exploring Large Braided River Systems: Understanding the Dynamics and Pathways of River Recovery	2023	Lecture Notes in Civil Engineering	376		137	145	8	10.1007/978-981-99-4423-1_10	Springer Science and Business Media Deutschland GmbH		2nd International Conference on River Corridor Research and Management, RCRM 2022	30 May 2022 through 1 June 2022	Guwahati				Scopus
167	Conference paper	Banerjee A.; Maurya A.K.	Development of Pedestrian Level of Service (PLOS) for Foot Over Bridges and Skywalks	2023	Lecture Notes in Civil Engineering	272		323	333	10	10.1007/978-981-19-3494-0_19	Springer Science and Business Media Deutschland GmbH		6th International Conference of Transportation Research Group of India, CTRG 2021	14 December 2021 through 17 December 2021	Tiruchirappalli				Scopus
168	Conference paper	Mazhar S.; Atif N.; Bhuyan M.K.; Ahamed S.R.	HCINet: A Hierarchical Approach of Context Integration in Real-time Semantic Segmentation for Autonomous Driving	2023	2023 IEEE 20th India Council International Conference, INDICON 2023			1174	1179	5	10.1109/INDICON59947.2023.10440773	Institute of Electrical and Electronics Engineers Inc.		20th IEEE India Council International Conference, INDICON 2023	14 December 2023 through 17 December 2023	Hyderabad				Scopus

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169	Conference paper	Sarmah N.; Hazarika S.M.	Kinematic Synthesis and Design of a Five Fingered Hand Exoskeleton	2023	Lecture Notes in Mechanical Engineering			19	32	13	10.1007/978-981-19-3716-3_2	Springer Science and Business Media Deutschland GmbH		5th International and 20th National Conference on Machines and Mechanisms, iNaCoMM 2021	9 December 2021 through 11 December 2021	Jabalpur				Scopus
170	Conference paper	Paul D.; Mohan S.; Khijwania S.K.	Development of Optical Fiber Tilt Sensor Using Etched Fiber Bragg Grating	2023	Optical Sensors: Proceedings Optica Sensing Congress 2023, AIS, FTS, HISE, Sensors, ES 2023							Optical Society of America		Optica Sensing Congress 2023, AIS, FTS, HISE, Sensors, ES 2023 - Part of Optical Sensors and Sensing Congress 2023	30 July 2023 through 3 August 2023	Munich				Scopus
171	Conference paper	Sen A.; Karmakar S.	OSH Risk Perception of Floating Solar PV Workers and Identifying Scope for Design Interventions: A Codesign Approach	2023	Smart Innovation, Systems and Technologies	343		117	126	9	10.1007/978-981-99-0293-4_10	Springer Science and Business Media Deutschland GmbH		9th International Conference on Research into Design, ICoRD 2023	9 January 2023 through 11 January 2023	Bangalore				Scopus
172	Conference paper	Kulkarni D.S.; Rajani B.N.; Kulkarni V.	Transitional Flow Past Low Re SD Airfoils with Varying Camber	2023	Lecture Notes in Mechanical Engineering			333	338	5	10.1007/978-981-19-6970-6_56	Springer Science and Business Media Deutschland GmbH		48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021	27 December 2021 through 29 December 2021	Pilani				Scopus
173	Conference paper	Gaurav S.; Kumar C.; Meena A.	Coil Coupling Design for Resonant Inductive Wireless Power Transfer System	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10384907	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus
174	Conference paper	Saraswat P.; Arrawatia M.	Doherty Power Amplifier with Compact Load Modulation Network for 5G Applications	2023	21st IEEE Interregional NEWCAS Conference, NEWCAS 2023 - Proceedings						10.1109/NEWCAS57931.2023.10198155	Institute of Electrical and Electronics Engineers Inc.	IEEE; Regroupement Strategique en Microsystemes du Quebec (ReSMIQ)	21st IEEE Interregional NEWCAS Conference, NEWCAS 2023	26 June 2023 through 28 June 2023	Edinburgh				Scopus
175	Conference paper	Das P.; Kapoor H.K.	NDIE: A Near DRAM Inference Engine Exploiting DIMM's Parallelism	2023	Proceedings - 2023 19th IEEE Asia Pacific Conference on Circuits and Systems, APCCAS 2023			333	337	4	10.1109/APCCAS60141.2023.00081	Institute of Electrical and Electronics Engineers Inc.		19th IEEE Asia Pacific Conference on Circuits and Systems, APCCAS 2023	19 November 2023 through 22 November 2023	Hyderabad				Scopus
176	Conference paper	Choudhary R.; Kumar R.; Kumar A.; Pathak S.; Kumar A.	Effect of Nominal Maximum Aggregate Size and Bitumen Content on Frictional Properties of Different Bituminous Surface Courses	2023	Lecture Notes in Civil Engineering	354 LNCE		295	310	15	10.1007/978-981-99-3142-2_24	Springer Science and Business Media Deutschland GmbH		2nd International Conference on Transportation Infrastructure Projects: Conception to Execution, TIPCE 2022	14 September 2022 through 17 September 2022	Haridwar				Scopus
177	Conference paper	Su Y.-H.; Bhowmick P.; Lonzon A.	Cooperative Control of Multi-Agent Negative Imaginary Systems with Applications to UAVs, Including Hardware Implementation Results	2023	2023 European Control Conference, ECC 2023						10.23919/ECC57647.2023.10178371	Institute of Electrical and Electronics Engineers Inc.		2023 European Control Conference, ECC 2023	13 June 2023 through 16 June 2023	Bucharest			All Open Access; Green Open Access	Scopus

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178	Conference paper	Dutta H.P.J.; Manivas K.; Bhuyan M.; Bhuyan M.K.	An End-to-end Anchorless Approach to Recognize Hand Gestures using CenterNet	2023	Proceedings of the 2023 IEEE International Conference on Industry 4.0, Artificial Intelligence, and Communications Technology, IAICT 2023			1	6	5	10.1109/IAICT59002.2023.10205726	Institute of Electrical and Electronics Engineers Inc.	IEEE Communications Society Indonesia Chapter (ComSoc)	2023 IEEE International Conference on Industry 4.0, Artificial Intelligence, and Communications Technology, IAICT 2023	13 July 2023 through 15 July 2023	Hybrid, Bali				Scopus
179	Conference paper	Konwar S.; Chutia S.; Kumar N.; Buddha S.S.G.; Malik K.S.; Sherpa N.	Effect of Cross-Talk in an Astigmatic Defocus Sensor	2023	2023 IEEE Workshop on Recent Advances in Photonics, WRAP 2023						10.1109/WRAP59682.2023.10712961	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Workshop on Recent Advances in Photonics, WRAP 2023	7 December 2023 through 9 December 2023	Prayagraj				Scopus
180	Conference paper	Singh P.; Sarkar J.; Dey P.; Sarkar S.; Pattanaya A.; Nag S.; Pramanik S.; Sahoo P.; Saxena K.; Krishnanda S.D.; Dutta T.; Ghosh S.; Bandyopadhyay A.	Inventing the Potential of a High-Frequency EEG, Namely Dodecanogram (DDG): Human Subjects' Study	2024	Lecture Notes in Networks and Systems	961 LNNS		257	269	12	10.1007/978-981-97-1923-5_20	Springer Science and Business Media Deutschland GmbH		5th International Conference on Trends in Computational and Cognitive Engineering, TCCE 2023	24 November 2023 through 25 November 2023	Kanpur				Scopus
181	Conference paper	Amarendra A.; Das A.K.	Scope of Designing Boutique Buildings for Tourism Using Pre-engineered Building Systems	2023	Smart Innovation, Systems and Technologies	342		721	731	10	10.1007/978-981-99-0264-4_60	Springer Science and Business Media Deutschland GmbH		9th International Conference on Research into Design, ICoRD 2023	9 January 2023 through 11 January 2023	Bangalore				Scopus
182	Conference paper	Datta A.; Kumar B.M.; Singh Sairam A.	Detecting toxic comments from highly skewed social media data	2023	International Symposium on Advanced Networks and Telecommunication Systems, ANTS						10.1109/ANTS59832.2023.10469000	IEEE Computer Society	Ennetix; IP Junction; Springer	17th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2023	17 December 2023 through 20 December 2023	Jaipur				Scopus
183	Conference paper	Ranjan R.; Babu S.H.; Dwivedy S.K.	Dynamic Analysis of Flexible-Joint and Single Flexible-Link Manipulator by Using Finite Element Analysis	2023	Mechanisms and Machine Science	137		489	501	12	10.1007/978-981-99-4721-8_33	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus
184	Conference paper	Niranjan B.; Kumar M.J.; Abhishek K.	Seismic Hazard Analysis Considering the Effect of the Shape, Size, and EQ Distribution of Seismic Sources for Different Locations in Sikkim, NE India	2023	Lecture Notes in Civil Engineering	332 LNCE		151	162	11	10.1007/978-981-99-1459-3_13	Springer Science and Business Media Deutschland GmbH		17th International Symposium on Earthquake Engineering, SEE 2022	14 November 2022 through 17 November 2022	Roorkee				Scopus
185	Conference paper	Padmakumar V.; Ignatius T.M.; Singha T.B.; Palathinkal R.P.	A Serial-Parallel-Based 4-Bit Novel Multiplier: Design, Implementation, and Performance Analysis	2023	Conference Proceedings - 2023 IEEE Silchar Subsection Conference, SILCON 2023						10.1109/SILCON59133.2023.10404909	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Silchar Subsection Conference, SILCON 2023	3 November 2023 through 5 November 2023	Silchar				Scopus
186	Conference paper	Kakati R.; Dwivedy S.K.; Dutta S.	Development of a Fully Automated Atmospheric Correction Technique for Applications in Google Earth Engine	2023	Lecture Notes in Civil Engineering	376 LNCE		337	348	11	10.1007/978-981-99-4423-1_24	Springer Science and Business Media Deutschland GmbH		2nd International Conference on River Corridor Research and Management, RCRM 2022	30 May 2022 through 1 June 2022	Guwahati				Scopus

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187	Conference paper	Dewangan S.; Singh P.; Agrawal M.K.; Kumar S.D.	Analysis of Parametric Study on Weld Properties in TIG Welding	2023	Lecture Notes in Mechanical Engineering			717	726	9	10.1007/978-981-16-9057-0_77	Springer Science and Business Media Deutschland GmbH		2nd International Conference on Recent Advances in Mechanical Engineering Research and Development, ICRAMERD 2021	21 February 2021 through 21 February 2021	Virtual, Online				Scopus
188	Conference paper	Puri A.; Bellamkonda K.; Narreddy K.; Jose J.; Venkatesh T.	A Practical Approach For Workload-Aware Data Movement in Disaggregated Memory Systems	2023	Proceedings - Symposium on Computer Architecture and High Performance Computing			78	88	10	10.1109/SBAC-PADS9825.2023.00017	IEEE Computer Society	Brazilian Computer Society (SBC); Dell Technologies; et al.; IEEE Computer Society; Lenovo; Nvidia	35th IEEE International Symposium on Computer Architecture and High Performance Computing, SBAC-PAD 2023	17 October 2023 through 20 October 2023	Porto Alegre				Scopus
189	Conference paper	Kundu A.; Banerjee A.	Effect of Thermo-Mechanical Coupling and Large Deformation on the Response of SMA Structures	2023	Mechanisms and Machine Science	137		181	190	9	10.1007/978-981-99-4721-8_12	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus
190	Conference paper	Kumar P.; Tiwari R.	Identification in a Magnetically Levitated Rigid Rotor System Integrated with Misaligned Sensors and Active Magnetic Bearings	2023	Mechanisms and Machine Science	137		1	24	23	10.1007/978-981-99-4721-8_1	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus
191	Conference paper	Ananda Y.R.; Das S.; Trivedi G.	A Novel Dynamic Memristor Window Function for High Frequency Applications	2023	21st IEEE Interregional NEWCAS Conference, NEWCAS 2023 - Proceedings						10.1109/NEWCAS57931.2023.10198059	Institute of Electrical and Electronics Engineers Inc.	IEEE; Regroupement Strategique en Microsystemes du Quebec (ReSMIQ)	21st IEEE Interregional NEWCAS Conference, NEWCAS 2023	26 June 2023 through 28 June 2023	Edinburgh				Scopus
192	Conference paper	Mayank K.; Verma A.; Meikap S.; Hrishikesan V.M.; Kumar C.	Hardware Design and Development of Modular Multilevel Converter	2023	CPE-POWERENG 2023 - 17th IEEE International Conference on Compatibility, Power Electronics and Power Engineering						10.1109/CPE-POWERENG58103.2023.10227465	Institute of Electrical and Electronics Engineers Inc.		17th IEEE International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2023	14 June 2023 through 16 June 2023	Tallinn				Scopus
193	Conference paper	Sarma A.K.	Challenges of River Corridor Management in Dynamic Braided River Systems	2023	Lecture Notes in Civil Engineering	376 LNCE		31	36	5	10.1007/978-981-99-4423-1_2	Springer Science and Business Media Deutschland GmbH		2nd International Conference on River Corridor Research and Management, RCRM 2022	30 May 2022 through 1 June 2022	Guwahati				Scopus
194	Conference paper	Bharti K.; Shrivastava P.; Das P.K.	Comparison of Multiple Classifiers for Audio-Visual Speaker Recognition System	2023	2023 International Conference on Computational Intelligence, Networks and Security, ICCINS 2023						10.1109/ICCINS58907.2023.10450017	Institute of Electrical and Electronics Engineers Inc.		2023 International Conference on Computational Intelligence, Networks and Security, ICCINS 2023	22 December 2023 through 23 December 2023	Mylavaram				Scopus
195	Conference paper	Rohit R.; Ravindra; Dasgupta A.	Translation of Low Illumination On-road Images to Well Illuminated Ones for Assisting Driving using Deep Auto-Encoders	2023	2023 IEEE Guwahati Subsection Conference, GCON 2023						10.1109/GCON58516.2023.10183480	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Guwahati Subsection Conference, GCON 2023	23 June 2023 through 25 June 2023	Guwahati				Scopus

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196	Conference paper	Puri A.; Banerjee A.; Jose J.; Venkatesh T.	Understanding the Performance Impact of Queue-Based Resource Allocation in Scalable Disaggregated Memory Systems	2023	Proceedings - 2023 16th IEEE International Symposium on Embedded Multicore/Many-Core Systems-on-Chip, MCSoc 2023			317	324	7	10.1109/MCSoc60832.2023.00054	Institute of Electrical and Electronics Engineers Inc.	IEEE; Technical Committee on Microprocessors and Micro-Computers of the IEEE Computer Society	16th IEEE International Symposium on Embedded Multicore/Many-Core Systems-on-Chip, MCSoc 2023	18 December 2023 through 21 December 2023	Singapore				Scopus
197	Conference paper	Raul C.K.; Meikap S.; Halder M.; Das A.K.; Meikap A.K.	Development of Flexible Polymer Composites Films for the Study of Charge Storage Ability	2023	2023 IEEE Energy Conversion Congress and Exposition, ECCE 2023			557	562	5	10.1109/ECCE53617.2023.10362613	Institute of Electrical and Electronics Engineers Inc.	Comsol; Delta; et al.; Hitachi; John Deere; Oak Ridge National Laboratory	2023 IEEE Energy Conversion Congress and Exposition, ECCE 2023	29 October 2023 through 2 November 2023	Nashville				Scopus
198	Conference paper	Pillai A.J.; Talukdar S.	Non-stationary Response of a Bridge Due to Moving Vehicle with Random Arrival Rate	2023	Mechanisms and Machine Science	137		99	114	15	10.1007/978-981-99-4721-8_7	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus
199	Conference paper	Devi T.S.; Das P.K.	Speech Dataset Development for a Low-Resource Tibeto-Burman Tonal Language	2023	Proceedings of 2023 26th Conference of the Oriental COCOSDA International Committee for the Co-Ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023						10.1109/O-COCOSDA60357.2023.10482932	Institute of Electrical and Electronics Engineers Inc.	Arcadia; IEEE Delhi Section; SERB India	26th Conference of the Oriental COCOSDA International Committee for the Co-ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023	4 December 2023 through 6 December 2023	Delhi				Scopus
200	Conference paper	Ranjan G.; Tiwari R.; Nemade H.B.	Single Plane Balancing of Rotor-AMB System Using Virtual Trial Unbalances	2023	Mechanisms and Machine Science	137		149	162	13	10.1007/978-981-99-4721-8_10	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus
201	Conference paper	Gaurav S.; Kumar C.	Virtual Oscillator Control of Smart Transformer based Meshed Low Voltage Distribution Grid	2023	2023 IEEE Energy Conversion Congress and Exposition, ECCE 2023			771	778	7	10.1109/ECCE53617.2023.10362500	Institute of Electrical and Electronics Engineers Inc.	Comsol; Delta; et al.; Hitachi; John Deere; Oak Ridge National Laboratory	2023 IEEE Energy Conversion Congress and Exposition, ECCE 2023	29 October 2023 through 2 November 2023	Nashville				Scopus
202	Conference paper	Kamisetty A.; Kumar A.; Gandhi I.S.R.	Suitability of Foam Concrete and Confined Masonry for Retaining Walls Application in Seismically Active Regions: A Review	2023	Lecture Notes in Civil Engineering	331 LNCE		413	422	9	10.1007/978-981-99-1579-8_32	Springer Science and Business Media Deutschland GmbH		17th International Symposium on Earthquake Engineering, SEE 2022	14 November 2022 through 17 November 2022	Roorkee				Scopus
203	Conference paper	Dey B.; Bandyopadhyay S.; Nandi S.	Load Profile Oriented Balanced Cluster Assignment in 5G IoT Based Sensor Network	2023	Lecture Notes in Networks and Systems	616 LNNS		221	231	10	10.1007/978-981-19-9719-8_18	Springer Science and Business Media Deutschland GmbH		7th International Conference on Internet of Things and Connected Technologies, ICIoTCT 2022	29 September 2022 through 30 September 2022	Patna				Scopus
204	Conference paper	Gupta A.; Tiwari R.; Bordoloi D.J.	Multiclass Fault Diagnosis and Novelty Detection of Induction Motor Using Deep Learning Algorithm Based on Frequency Domain Signal	2023	Mechanisms and Machine Science	137		115	130	15	10.1007/978-981-99-4721-8_8	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus

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205	Conference paper	Dey A.; Baglari D.; Biswas S.	Review on Underwater MASW with respect to Source and Wave Characteristics	2023	2nd EAGE/Aqua Foundation Indian Near Surface Geophysics Conference and Exhibition						10.3997/2214-4609.202375002	European Association of Geoscientists and Engineers, EAGE		2nd EAGE/Aqua Foundation Indian Near Surface Geophysics Conference and Exhibition	7 November 2023 through 8 November 2023	New Delhi				Scopus
206	Conference paper	Prakash R.; Sangtam B.T.; Majumder S.K.; Singh A.	Effect of Surfactant Concentration and Gas Velocity on Holdup Characteristics in a Semibatch 2-D Column	2023	Lecture Notes in Mechanical Engineering			463	466	3	10.1007/978-981-19-6970-6_77	Springer Science and Business Media Deutschland GmbH		48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021	27 December 2021 through 29 December 2021	Pilani				Scopus
207	Conference paper	Bhagath P.; Lasya V.; Dhyeya P.; Das P.K.	Telugu Vakyalu: Spoken Telugu Sentences for IoT Applications	2023	Proceedings of 2023 26th Conference of the Oriental COCOSDA International Committee for the Co-Ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023						10.1109/O-COCOSDA60357.2023.10482996	Institute of Electrical and Electronics Engineers Inc.	Arcadia; IEEE Delhi Section; SERB India	26th Conference of the Oriental COCOSDA International Committee for the Co-ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023	4 December 2023 through 6 December 2023	Delhi				Scopus
208	Conference paper	Marak B.K.; Singh B.	A Numerical Study of Performance of Large Piled Raft Foundation on Sand Under Vertical Loading	2023	Lecture Notes in Civil Engineering	295		65	74	9	10.1007/978-981-19-6359-9_7	Springer Science and Business Media Deutschland GmbH		Indian Geotechnical Conference, IGC 2021	16 December 2021 through 18 December 2021	Trichy				Scopus
209	Conference paper	Kumar C.; Kumar A.; Kashyap S.	Intelligent Reflecting Surface Enabled Wireless System with Antenna Selection at Source Under Transceiver Hardware Impairments	2023	WSA and SCC 2023 - 26th International ITG Workshop on Smart Antennas and 13th Conference on Systems, Communications, and Coding			167	172	5		VDE Verlag GmbH	Ericsson; et al.; EURASIP; IEEE Communications Society; Technische Universitat Braunschweig; VDE ITG	26th International ITG Workshop on Smart Antennas, WSA 2023 and 13th Conference on Systems, Communications, and Coding, SCC 2023	27 February 2023 through 3 March 2023	Braunschweig				Scopus
210	Conference paper	Gaurav S.; Kumar C.; Meena A.	LCL-LCL Topology based Resonant Inductive Wireless Power Transfer System	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10385024	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus
211	Conference paper	Sharma P.K.; Mitra P.; Biswas S.	A Deadlock-Free and Adaptive Prime Perspective Turn Model for 3D-Mesh Based Network-on-Chips	2023	Communications in Computer and Information Science	1797 CCIS		362	375	13	10.1007/978-3-031-28180-8_24	Springer Science and Business Media Deutschland GmbH		2nd International Conference on Advanced Network Technologies and Intelligent Computing, ANTIC 2022	22 December 2022 through 24 December 2022	Varanasi				Scopus
212	Conference paper	Kumar M.H.; Sharma S.; Deka K.; Sharma M.K.	RIS-assisted User Pairing NOMA System for THz Communications	2023	2023 National Conference on Communications, NCC 2023						10.1109/NCC56989.2023.10068095	Institute of Electrical and Electronics Engineers Inc.		2023 National Conference on Communications, NCC 2023	23 February 2023 through 26 February 2023	Guwahati				Scopus

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213	Conference paper	Borah N.; Mondal J.K.; Kumar A.	Determination of Site Specific Response Spectra for Site Class D and E for Guwahati City, NE India Region	2023	Lecture Notes in Civil Engineering	300		323	334	11	10.1007/978-981-19-6998-0_28	Springer Science and Business Media Deutschland GmbH		Indian Geotechnical Conference, IGC 2021	16 December 2021 through 18 December 2021	Trichy				Scopus
214	Conference paper	Pandey S.; Yadav J.S.; Mazumder J.T.; Jha R.K.	CMOS Based Temperature Sensing Via Change in Threshold Voltage	2023	2023 3rd International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2023						10.1109/ICEFEET5965.6.2023.10452249	Institute of Electrical and Electronics Engineers Inc.		3rd International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2023	21 December 2023 through 22 December 2023	Patna				Scopus
215	Conference paper	Longchar I.; Kapoor H.K.	ADaMaT: Towards an Adaptive Dataflow for Maximising Throughput in Neural Network Inference	2023	IEEE/IFIP International Conference on VLSI and System-on-Chip, VLSI-SoC						10.1109/VLSI-Soc57769.2023.10321889	IEEE Computer Society	Cadence Design Systems; IEEE; IFIP; Rhode and Schwartz	31st IFIP/IEEE International Conference on Very Large Scale Integration, VLSI-SoC 2023	16 October 2023 through 18 October 2023	Dubai				Scopus
216	Conference paper	Meikap S.; Malviya H.; Kumar C.	Operation of a New Fault-Tolerant Dual Active Bridge Converter	2023	2023 IEEE Energy Conversion Congress and Exposition, ECCE 2023			2039	2045	6	10.1109/ECCE53617.2023.10362328	Institute of Electrical and Electronics Engineers Inc.	Comsol; Delta; et al.; Hitachi; John Deere; Oak Ridge National Laboratory	2023 IEEE Energy Conversion Congress and Exposition, ECCE 2023	29 October 2023 through 2 November 2023	Nashville				Scopus
217	Conference paper	Gupta J.; Das P.; Bhattacharjee R.; Sikdar D.	Capacitively-Loaded Spiral Array based RF Metasurfaces for Boosting the Performance of 1.5T MRI	2023	Proceeding - 2023 International Electrical Engineering Congress, IEECON 2023			237	240	3	10.1109/IEECON56657.2023.10126619	Institute of Electrical and Electronics Engineers Inc.		2023 International Electrical Engineering Congress, IEECON 2023	8 March 2023 through 10 March 2023	Krabi				Scopus
218	Conference paper	Ananda Y.R.; Hajra A.; Trivedi G.	An Adaptive Window Function based Memristor Model	2023	2023 33rd International Conference Radioelektronika, RADIOELEKTRONIKA 2023						10.1109/RADIOELEKTRONIKA57919.2023.10109029	Institute of Electrical and Electronics Engineers Inc.		33rd International Conference Radioelektronika, RADIOELEKTRONIKA 2023	19 April 2023 through 20 April 2023	Pardubice				Scopus
219	Conference paper	Das D.; Kumar C.	Smart Transformer Based Ship Microgrid System	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10384947	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus
220	Conference paper	Meikap S.; Malviya H.; Kumar C.	Performance Enhancement of Quad Active Bridge Converter During Faults	2023	IECON Proceedings (Industrial Electronics Conference)						10.1109/IECON51785.2023.10312006	IEEE Computer Society		49th Annual Conference of the IEEE Industrial Electronics Society, IECON 2023	16 October 2023 through 19 October 2023	Singapore				Scopus
221	Conference paper	Kumar D.; Morajkar C.; Kore S.D.; Nandy A.	Comparison of Two Different Non-coupled Multi-Step Simulation Techniques for Strength Prediction of an Electromagnetically Crimped Cu-SS Tube-To-Tube Joint with Smooth Interface	2023	Lecture Notes in Mechanical Engineering			303	315	12	10.1007/978-981-19-0561-2_28	Springer Science and Business Media Deutschland GmbH		2nd International Conference on Industry 4.0 and Advanced Manufacturing, I-4AM 2022	10 January 2022 through 11 January 2022	Virtual, Online				Scopus
222	Conference paper	Kumar D.; Kumar C.	Model Predictive Control of Isolated Three-Phase Four-Wire Grid Forming Converter	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10384995	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus

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223	Conference paper	Kumar D.; Mondal P.K.	Numerical Investigation of Swirl flow in Enhancement of Mixing in Narrow Channel	2023	Lecture Notes in Mechanical Engineering			91	96	5	10.1007/978-981-19-6270-7_17	Springer Science and Business Media Deutschland GmbH		48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021	27 December 2021 through 29 December 2021	Pilani				Scopus
224	Conference paper	Gayen D.; Tiwari R.; Chakraborty D.	Thermo-Elastic Bending and Buckling Behavior of Functionally Graded Shafts with Various Grading Patterns	2023	Mechanisms and Machine Science	137		25	44	19	10.1007/978-981-99-4721-8_2	Springer Science and Business Media B.V.		16th International Conference on Vibration Engineering and Technology of Machinery, VETOMAC 2021	16 December 2021 through 18 December 2021	Bangalore				Scopus
225	Conference paper	Sarma D.; Bora A.; Bhagat A.	Automatic License Plate Detection and Recognition System for Security Purposes	2023	2023 IEEE Guwahati Subsection Conference, GCON 2023						10.1109/GCON58516.2023.10183638	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Guwahati Subsection Conference, GCON 2023	23 June 2023 through 25 June 2023	Guwahati				Scopus
226	Conference paper	Mahanta S.; Boro B.; Raychoudhury P.	Focus and Intonation in Dimasa	2023	Proceedings of 2023 26th Conference of the Oriental COCOSDA International Committee for the Co-Ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023						10.1109/O-COCOSDA60357.2023.10482993	Institute of Electrical and Electronics Engineers Inc.	Arcadia; IEEE Delhi Section; SERB India	26th Conference of the Oriental COCOSDA International Committee for the Co-ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023	4 December 2023 through 6 December 2023	Delhi				Scopus
227	Conference paper	Raj S.; Reddy B.S.	Anti-Swing Control in an Underactuated Dual Overhead Crane	2023	International Conference on Control, Automation and Systems			426	431	5	10.23919/ICCAS59377.2023.10316864	IEEE Computer Society		23rd International Conference on Control, Automation and Systems, ICCAS 2023	17 October 2023 through 20 October 2023	Yeosu				Scopus
228	Conference paper	Chaudhury H.; Kumar A.; Bharti R.	Detection of Liquefaction Phenomenon from the 2015 Nuweiba Earthquake Using Remote Sensing Data	2023	Lecture Notes in Civil Engineering	332 LNCE		587	597	10	10.1007/978-981-99-1459-3_47	Springer Science and Business Media Deutschland GmbH		17th International Symposium on Earthquake Engineering, SEE 2022	14 November 2022 through 17 November 2022	Roorkee				Scopus
229	Conference paper	Gokhale S.; Basu D.; Mokashi-Punekar R.	The TIME IS A CIRCLE/CYCLE Metaphor in Denis Villeneuve's Film 'Arrival' (2016)	2023	Smart Innovation, Systems and Technologies	346		87	98	11	10.1007/978-981-99-0428-0_8	Springer Science and Business Media Deutschland GmbH		9th International Conference on Research into Design, ICoRD 2023	9 January 2023 through 11 January 2023	Bangalore				Scopus
230	Conference paper	Gupta V.; Kandoi P.; Vora M.B.; Zhang S.; He Y.; Reinanda R.; Srikumar V.	TEMPTABQA: Temporal Question Answering for Semi-Structured Tables	2023	EMNLP 2023 - 2023 Conference on Empirical Methods in Natural Language Processing, Proceedings			2431	2453	22	10.18653/v1/2023.emnlp-main.149	Association for Computational Linguistics (ACL)	ahrefs; Amazon; Bloomberg; et al.; Google Research; GTCOM	2023 Conference on Empirical Methods in Natural Language Processing, EMNLP 2023	6 December 2023 through 10 December 2023	Hybrid, Singapore			All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
231	Conference paper	Sharma S.; Deka K.; Adjih C.; Kumar A.	Performance Analysis of Active Intelligent Reflecting Surface-Assisted System: BER and Sum-Rate Evaluation	2023	International Symposium on Advanced Networks and Telecommunication Systems, ANTS						10.1109/ANTS59832.2023.10468891	IEEE Computer Society	Ennetix; IP Junction; Springer	17th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2023	17 December 2023 through 20 December 2023	Jaipur			All Open Access; Green Open Access	Scopus

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232	Conference paper	Naorem D.; Singh O.J.; Singh S.R.; Sarmah P.	English-Manipuri Cross-Lingual Embedding: A Preliminary Study	2023	Proceedings of 2023 International Conference on Asian Language Processing, IALP 2023			74	79	5	10.1109/IALP61005.2023.10337115	Institute of Electrical and Electronics Engineers Inc.		27th International Conference on Asian Language Processing, IALP 2023	18 November 2023 through 20 November 2023	Singapore				Scopus
233	Conference paper	Hazarika K.; Gupta C.N.	Multivariate Data-Driven Approach to Identify Reliable Neural Components and Latency in a P300 Dataset Using Correlated Component Analysis	2023	Lecture Notes in Networks and Systems	653		77	87	10	10.1007/978-981-99-0981-0_7	Springer Science and Business Media Deutschland GmbH		International Conference on Advances in Data-driven Computing and Intelligent Systems, ADCIS 2022	23 September 2022 through 25 September 2022	Vasco da Gama				Scopus
234	Conference paper	Pakrashi M.; Bigi B.; Mahanta S.	Automatic Syllabification of Bengali in SPPAS	2023	Proceedings of 2023 26th Conference of the Oriental COCOSDA International Committee for the Co-Ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023						10.1109/O-COCOSDA60357.2023.10483002	Institute of Electrical and Electronics Engineers Inc.	Arcadia; IEEE Delhi Section; SERB India	26th Conference of the Oriental COCOSDA International Committee for the Co-ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023	4 December 2023 through 6 December 2023	Delhi			All Open Access; Green Open Access	Scopus
235	Conference paper	Sharma S.; Singh A.; Deka K.; Adjih C.	Impact of Nonlinear Power Amplifier on BER Performance of OTFS Modulation	2023	International Symposium on Advanced Networks and Telecommunication Systems, ANTS						10.1109/ANTS59832.2023.10469563	IEEE Computer Society	Ennetix; IP Junction; Springer	17th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2023	17 December 2023 through 20 December 2023	Jaipur			All Open Access; Green Open Access	Scopus
236	Conference paper	Lahkar M.P.; Gogoi A.; Choudhury P.	AsCul: Annotated Dataset and a Deep Learning based framework for Assamese Cultural Object Detection	2023	Proceedings of 2023 International Conference on Intelligent Systems, Advanced Computing and Communication, ISACC 2023						10.1109/ISACC56298.2023.10084269	Institute of Electrical and Electronics Engineers Inc.		2023 International Conference on Intelligent Systems, Advanced Computing and Communication, ISACC 2023	3 February 2023 through 4 February 2023	Silchar				Scopus
237	Conference paper	Pal A.; Soti A.K.	Power Harvesting from VIV of Rigidly-Coupled Cylinders in Tandem Arrangement	2023	Lecture Notes in Mechanical Engineering			313	318	5	10.1007/978-981-19-7055-9_53	Springer Science and Business Media Deutschland GmbH		48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021	27 December 2021 through 29 December 2021	Pilani				Scopus
238	Conference paper	Basu A.; Dasgupta A.; Routray A.; Mitra P.	A Pulse-Width Modulation Model of Respiratory Signatures Obtained Through Facial Thermograms	2023	2023 IEEE Guwahati Subsection Conference, GCON 2023						10.1109/GCON58516.2023.10183470	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Guwahati Subsection Conference, GCON 2023	23 June 2023 through 25 June 2023	Guwahati				Scopus
239	Conference paper	Mitra S.; Mitra D.; Chanda S.; Chattopadhyay R.; Mandal B.; Augustine R.	Hip Implant Micromotion monitoring using microwave-photonic hybrid device	2023	17th European Conference on Antennas and Propagation, EuCAP 2023						10.23919/EuCAP5712.1.2023.10133209	Institute of Electrical and Electronics Engineers Inc.		17th European Conference on Antennas and Propagation, EuCAP 2023	26 March 2023 through 31 March 2023	Florence				Scopus
240	Conference paper	Kundu K.; Singh M.; Singh A.K.	Design and Development of IOT & AI Enabled Smart Entrance Monitoring Device	2023	Lecture Notes in Electrical Engineering	1073		261	272	11	10.1007/978-981-99-5080-5_23	Springer Science and Business Media Deutschland GmbH		2nd International Conference on Cybersecurity and Evolutionary Data Engineering, ICCED 2022	9 December 2022 through 11 December 2022	Greater Noida				Scopus

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241	Conference paper	Ganguly A.; Ayele A.W.; Bhowmick P.; Lonzon A.	A Negative Imaginary Approach for Distributed Secondary Frequency Consensus Control of Networked AC Microgrids	2023	Proceedings of the IEEE Conference on Decision and Control			8876	8881	5	10.1109/CDC49753.2023.10383885	Institute of Electrical and Electronics Engineers Inc.	East China University of Science and Technology; et al.; MathWorks, Harbin Engineering University; Nanjing University of Information Science and Technology; Shandong University of Science and Technology; Shanghai Jiaotong University	62nd IEEE Conference on Decision and Control, CDC 2023	13 December 2023 through 15 December 2023	Singapore				Scopus
242	Conference paper	Gupta C.N.; Hadaya L.; Nosarti C.	Identifying Subgroups and Novel Brain-Behavior Associations in Adolescents Who were Born Very Preterm Using Bi-clustering Approaches	2023	2023 IEEE 20th India Council International Conference, INDICON 2023			225	227	2	10.1109/INDICON59947.2023.10440727	Institute of Electrical and Electronics Engineers Inc.		20th IEEE India Council International Conference, INDICON 2023	14 December 2023 through 17 December 2023	Hyderabad				Scopus
243	Conference paper	Dutta A.; Manojkumar R.; Kumar C.	Power Management of a Smart Transformer based Ship Microgrid	2023	2023 11th National Power Electronics Conference, NPEC 2023						10.1109/NPEC57805.2023.10385022	Institute of Electrical and Electronics Engineers Inc.		11th National Power Electronics Conference, NPEC 2023	14 December 2023 through 16 December 2023	Guwahati				Scopus
244	Conference paper	Tiwari A.; Guha P.; Trivedi G.; Gupta N.; Jayaraj N.; Pidanic J.	IndiRA: Design and Implementation of a Pipelined RISC-V Processor	2023	2023 33rd International Conference Radioelektronika, RADIOELEKTRONIKA 2023						10.1109/RADIOELEKTRONIKA57919.2023.10109058	Institute of Electrical and Electronics Engineers Inc.		33rd International Conference Radioelektronika, RADIOELEKTRONIKA 2023	19 April 2023 through 20 April 2023	Pardubice				Scopus
245	Conference paper	Baruah P.; Dutta B.; Dutta P.P.; Pallab Jyoti Dutta H.; Goswami B.; Sarma D.	Brain Tumor Segmentation using Attention-based UNet	2023	Proceedings of 2023 IEEE 3rd Applied Signal Processing Conference, ASPCON 2023			282	286	4	10.1109/ASPCON59071.2023.10396058	Institute of Electrical and Electronics Engineers Inc.		3rd IEEE Applied Signal Processing Conference, ASPCON 2023	24 November 2023 through 25 November 2023	Haldia				Scopus
246	Conference paper	Kumar N.; Buddha S.S.G.; Choudhury P.; Malik K.S.; Konwar S.	Fast and Efficient Wavefront Estimation Algorithm Using Slope Values in Zonal Wavefront Sensor	2023	2023 IEEE Workshop on Recent Advances in Photonics, WRAP 2023						10.1109/WRAP59682.2023.10712801	Institute of Electrical and Electronics Engineers Inc.		2023 IEEE Workshop on Recent Advances in Photonics, WRAP 2023	7 December 2023 through 9 December 2023	Prayagraj				Scopus
247	Proceedings Paper	Pradhan, S; Nayak, SK	Deformation Study of a Transformer Winding using Frequency-Response Analysis and Finite-Element Analysis	2022	2022 22ND NATIONAL POWER SYSTEMS CONFERENCE, NPSC							10.1109/NPSC57038.2022.10069362	IEEE	22nd National Power Systems Conference (NPSC)	DEC 17-19, 2022	New Delhi, INDIA		978-1-6654-6202-0		WoS
248	Proceedings Paper	Das, D; Anandh, N; Kumar, C	UPS Operation of Multi-Terminal Smart Transformer for Islanded Operation of Data Centres	2022	2022 IEEE INTERNATIONAL CONFERENCE ON POWER ELECTRONICS, DRIVES AND ENERGY SYSTEMS, PEDES							10.1109/PEDES56012.2022.10080692	IEEE	10th IEEE International Conference on Power Electronics, Drives and Energy Systems (IEEE PEDES)	DEC 14-17, 2022	Malaviya Natl Inst Technol Jaipur, Dept Elect Engrn, Jaipur, INDIA		978-1-6654-5566-4		WoS

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249	Proceedings Paper	Singh, R; Nandi, S	An Improved PBFT-Based Consensus Protocol for Industrial IoT	2023	2023 IEEE/ACM 23RD INTERNATIONAL SYMPOSIUM ON CLUSTER, CLOUD AND INTERNET COMPUTING WORKSHOPS, CCGRIDW				311	312		10.1109/CCGridW59191.2023.00068	IEEE COMPUTER SOC	23rd IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGrid)	MAY 01-04, 2023	Bangalore, INDIA		979-8-3503-0208-0		WoS
250	Proceedings Paper	Hazarika, D; Chanda, S; Gupta, CN	Smartphone-Based Natural Environment Electroencephalogram Experimentation- Opportunities and Challenges	2022	2022 IEEE-EMBS CONFERENCE ON BIOMEDICAL ENGINEERING AND SCIENCES, IECBES				370	375		10.1109/IECBES54088.2022.10079412	IEEE	7th IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES)	DEC 07-09, 2022	Kuala Lumpur, MALAYSIA		978-1-6654-9469-4		WoS
251	Proceedings Paper	Vishnu, KN; Madhavan, S; Gupta, CN	Cross-session Classification of Mental Workload Levels using Recurrent Neural Networks	2022	2022 IEEE SYMPOSIUM SERIES ON COMPUTATIONAL INTELLIGENCE (SSCI)				201	205		10.1109/SSCI51031.2022.10022261	IEEE	IEEE Symposium Series on Computational Intelligence (IEEE SSCI)	DEC 04-07, 2022	Singapore, SINGAPORE		978-1-6654-8768-9		WoS
252	Proceedings Paper	Purkayastha, A; Mallajosyula, AT	Influence of Spectral Albedo on the Performance of Lead-Free Perovskite Bifacial Tandem Solar Cell	2023	2023 IEEE 50TH PHOTOVOLTAIC SPECIALISTS CONFERENCE, PVSC							10.1109/PVSC48320.2023.10359550	IEEE	IEEE 50th Photovoltaic Specialists Conference (PVSC)	JUN 11-16, 2023	San Juan, PR	0160-8371	978-1-6654-6059-0		WoS
253	Proceedings Paper	Ghose, M; Pandey, KP; Chaudhari, N; Sahu, A	Soft Reliability Aware Scheduling of Real-time Applications on Cloud with MTTF constraints	2023	2023 IEEE/ACM 23RD INTERNATIONAL SYMPOSIUM ON CLUSTER, CLOUD AND INTERNET COMPUTING, CCGRID				459	468		10.1109/CCGRID57682.2023.00050	IEEE COMPUTER SOC	23rd IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGrid)	MAY 01-04, 2023	Bangalore, INDIA		979-8-3503-0119-9		WoS
254	Meeting Abstract	Swaminathan, R	Protein Charge Transfer Spectra (ProCharTS): A label-free probe to track protein unfolding and aggregation	2023	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS		52	SUPPL 1	\$108	\$108			SPRINGER				0175-7571			WoS
255	Proceedings Paper	Aswathy, NS; Kapoor, HK	AGRAS: Aging and memory request rate aware scheduler for PCM memories	2023	2023 24TH INTERNATIONAL SYMPOSIUM ON QUALITY ELECTRONIC DESIGN, ISQED				187	194		10.1109/ISQED57927.2023.10129369	IEEE	24th International Symposium on Quality Electronic Design (ISQED)	APR 05-07, 2023	ELECTR NETWORK	1948-3287	979-8-3503-3475-3		WoS
256	Proceedings Paper	Panigrahi, P; Karfa, C	An Investigation into the Security of Register Allocation with Spilling and Splitting	2023	2023 IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI, ISVLSI				306	311		10.1109/ISVLSI59464.2023.10238662	IEEE	26th IEEE-Computer-Society Annual Symposium on VLSI (ISVLSI)	JUN 20-23, 2023	Foz do Iguacu, BRAZIL	2159-3469	979-8-3503-2769-4		WoS
257	Proceedings Paper	Sarmah, P; Lalhminghui, W; Sharma, NK	Sounds of ence: Acoustics of Inhalation in Read Speech	2023	SPEECH AND COMPUTER, SPECOM 2023, PT I		14338		314	321		10.1007/978-3-031-48309-7_26	SPRINGER INTERNATIONAL PUBLISHING AG	25th International Conference on Speech and Computer (SPECOM)	NOV 29-DEC 02, 2023	Dharwad, INDIA	2945-9133	978-3-031-48308-0; 978-3-031-48309-7		WoS
258	Proceedings Paper	Ahlawat, N; Awekar, A	Scaling Up Mass-Based Clustering	2022	PROCEEDINGS OF THE 31ST ACM INTERNATIONAL CONFERENCE ON INFORMATION AND KNOWLEDGE MANAGEMENT, CIKM 2022				3781	3785		10.1145/3511808.3557691	ASSOC COMPUTING MACHINERY	31st ACM International Conference on Information and Knowledge Management (CIKM)	OCT 17-21, 2022	Atlanta, GA		978-1-4503-9236-5		WoS

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259	Meeting Abstract	Borsaikia, S; Swaminathan, R	Detection of succinylation in charge rich proteins using a label free approach: ProCharTS	2023	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS		52	SUPPL 1	S71	S71			SPRINGER				0175-7571			WoS
260	Proceedings Paper	Aswathy, NS; Bhuinya, D; Kapoor, R	WIB-SAR: Write Intensity Based Selective Address Remapping	2023	2023 36TH INTERNATIONAL CONFERENCE ON VLSI DESIGN AND 2023 22ND INTERNATIONAL CONFERENCE ON EMBEDDED SYSTEMS, VLSID				36	41		10.1109/VLSID57277.2023.00022	IEEE COMPUTER SOC	36th International Conference on VLSI Design (VLSID) / 22nd International Conference on Embedded Systems (ES)	JAN 08-12, 2023	Hyderabad, INDIA	1063-9667	979-8-3503-4678-7		WoS
261	Proceedings Paper	Pramanick, S; Jana, S; Bhattacharya, A; Mandal, PS	Mutual Visibility with ASYNC Luminous Robots Having Inaccurate Movements	2023	ALGORITHMICS OF WIRELESS NETWORKS, ALGOWIN 2023		14061		41	57		10.1007/978-3-031-48882-5_4	SPRINGER INTERNATIONAL PUBLISHING AG	19th International Symposium on Algorithmics of Wireless Networks (ALGOWIN) as part of ALGO Conference	SEP 07-08, 2023	Centrum Wiskunde Informatica, Amsterdam, NETHERLANDS	0302-9743	978-3-031-48882-5		WoS
262	Proceedings Paper	Kumar, D; Kumar, C	Model Predictive Control of Bi-directional dc-dc Converter for Battery Charger Application	2022	2022 22ND NATIONAL POWER SYSTEMS CONFERENCE, NPSC							10.1109/NPSC57038.2022.10069335	IEEE	22nd National Power Systems Conference (NPSC)	DEC 17-19, 2022	New Delhi, INDIA		978-1-6654-6202-0		WoS
263	Proceedings Paper	Bagchi, MJ; Kulkarni, DD; Nair, SB; Das, PK	On Embedding a Dataflow Architecture in a Multi-Robot System	2022	2022 SIXTH IEEE INTERNATIONAL CONFERENCE ON ROBOTIC COMPUTING, IRC				271	276		10.1109/IRC55401.2022.00052	IEEE	6th IEEE International Conference on Robotic Computing, (IRC)	DEC 05-07, 2022	Naples, ITALY		978-1-6654-7260-9		WoS
264	Proceedings Paper	Raikwar, H; Karmakar, S	Fully Dynamic Algorithm for the Steiner Tree Problem in Planar Graphs	2022	2022 TENTH INTERNATIONAL SYMPOSIUM ON COMPUTING AND NETWORKING WORKSHOPS, CANDARW				416	420		10.1109/CANDARW57323.2022.00064	IEEE COMPUTER SOC	10th International Symposium on Computing and Networking (CANDAR)	NOV 21-22, 2022	Himeji, JAPAN		978-1-6654-7532-7		WoS
265	Proceedings Paper	Dey, MR; Patra, M	Hand it Over Carefully: Security Breach during Handover in 5G-V2X	2023	2023 15TH INTERNATIONAL CONFERENCE ON COMMUNICATION SYSTEMS & NETWORKS, COMSNETS							10.1109/COMSNETS56262.2023.10041381	IEEE	15th International Conference on Communication Systems and Networks (COMSNETS)	JAN 03-08, 2023	Bangalore, INDIA	2155-2487	978-1-6654-7706-2		WoS
266	Proceedings Paper	Paikray, A; Prudhvi, S; Nayak, SK	Impedance Network Design of the Quasi-Z-Source Inverter	2022	2022 22ND NATIONAL POWER SYSTEMS CONFERENCE, NPSC							10.1109/NPSC57038.2022.10069748	IEEE	22nd National Power Systems Conference (NPSC)	DEC 17-19, 2022	New Delhi, INDIA		978-1-6654-6202-0		WoS
267	Proceedings Paper	Prasoon, S; Gaurav, S; Kumar, D; Kumar, C	Modular Multilevel DC-DC Converter Based EV Battery Charger	2022	2022 IEEE INTERNATIONAL CONFERENCE ON POWER ELECTRONICS, DRIVES AND ENERGY SYSTEMS, PEDES							10.1109/PEDES56012.2022.10080325	IEEE	10th IEEE International Conference on Power Electronics, Drives and Energy Systems (IEEE PEDES)	DEC 14-17, 2022	Malaviya Natl Inst Technol Jaipur, Dept Elect Engrn, Jaipur, INDIA		978-1-6654-5566-4		WoS
268	Proceedings Paper	Gaurav, S; Kumar, C	Coordinated Control of EV Charging Stations in Smart Transformer based Microgrid	2022	2022 22ND NATIONAL POWER SYSTEMS CONFERENCE, NPSC							10.1109/NPSC57038.2022.10069390	IEEE	22nd National Power Systems Conference (NPSC)	DEC 17-19, 2022	New Delhi, INDIA		978-1-6654-6202-0		WoS

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269	Meeting Abstract	Kakati, N; Bandyopadhyay, D	EFFECTS OF LACTIC ACID ON SYNOVIAL FLUID	2023	TISSUE ENGINEERING PART A		29	11-12	1609	1609			MARY ANN LIEBERT, INC	Tissue Engineering and Regenerative Medicine International Society (TERMIS)	JUN 28-JUL 01, 2022	Krakow, POLAND	1937-3341			WoS
270	Proceedings Paper	Gupta, A; Aswathy, NS; Kapoor, HK	Look before you leap: An Access-based Prudent Page Migration for Hybrid Memories	2023	2023 IFIP/IEEE 31ST INTERNATIONAL CONFERENCE ON VERY LARGE SCALE INTEGRATION, VLSI-SOC				80	85		10.1109/VLSI-SocS57769.2023.10321920	IEEE	31st IFIP/IEEE International Conference on Very Large Scale Integration (VLSI-SoC)	OCT 16-18, 2023	Dubai, U ARAB EMIRATES	2324-8432	979-8-3503-2599-7		WoS
271	Proceedings Paper	Purkayastha, BB; Hazarika, A; Thomas, KA; Poddar, S	Cardiac Anomaly Detection using Embedded Attractors Reconstructed from Multichannel ECG	2022	2022 9TH INTERNATIONAL CONFERENCE ON BIOMEDICAL AND BIOINFORMATICS ENGINEERING, ICBBE 2022				120	126		10.1145/3574198.3574217	ASSOC COMPUTING MACHINERY	9th International Conference on Biomedical and Bioinformatics Engineering (ICBBE)	NOV 10-13, 2022	ELECTR NETWORK		978-1-4503-9722-3		WoS
272	Proceedings Paper	Jana, S; Mandal, PS	Approximation Algorithms for Drone Delivery Packing Problem	2023	PROCEEDINGS OF THE 24TH INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING AND NETWORKING, ICDCN 2023				262	269		10.1145/3571306.3571411	ASSOC COMPUTING MACHINERY	24th International Conference on Distributed Computing and Networking (ICDCN)	JAN 04-07, 2023	Kharagpur, INDIA		978-1-4503-9796-4	Green Submitted	WoS
273	Proceedings Paper	Gupta, RK; Sinha, R	Investigating the Effect of Data Impurity on the Detection Performances of Mental Disorders Through Spoken Dialogues	2023	SPEECH AND COMPUTER, SPECOM 2023, PT I		14338		626	637		10.1007/978-3-031-48309-7_50	SPRINGER INTERNATIONAL PUBLISHING AG	25th International Conference on Speech and Computer (SPECOM)	NOV 29-DEC 02, 2023	Dharwad, INDIA	2945-9133	978-3-031-48308-0; 978-3-031-48309-7		WoS
274	Proceedings Paper	Saikia, K; Mahanta, S	Rhythm Measures and Language Endangerment: The Case of Deori	2023	SPEECH AND COMPUTER, SPECOM 2023, PT II		14339		222	230		10.1007/978-3-031-48312-7_18	SPRINGER INTERNATIONAL PUBLISHING AG	25th International Conference on Speech and Computer (SPECOM)	NOV 29-DEC 02, 2023	Dharwad, INDIA	2945-9133	978-3-031-48311-0; 978-3-031-48312-7		WoS
275	Proceedings Paper	Dahal, R; Kar, I	Event-Triggered Adaptive Dynamic Programming Based Guaranteed Cost Tracking Controller for Uncertain Nonlinear Systems	2022	2022 EIGHTH INDIAN CONTROL CONFERENCE, ICC				206	211		10.1109/ICC56513.2022.10093364	IEEE	8th Indian Control Conference (ICC)	DEC 14-16, 2022	IIT Madras, Chennai, INDIA		978-1-6654-8999-7		WoS
276	Proceedings Paper	Janghel, K	Performance Analysis of IRS Assisted Underlay Cognitive Radio Networks	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10040197	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
277	Proceedings Paper	Mishra, SN; Khatua, M	Achieving Hard Reliability in RPL for Mission-Critical IoT Applications	2022	2022 IEEE 8TH WORLD FORUM ON INTERNET OF THINGS, WF-IOT							10.1109/WF-IOTS4382.2022.10152158	IEEE	8th IEEE World Forum on the Internet of Things (WF-IoT) - Sustainability and the Internet of Things	OCT 26-NOV 11, 2022	Yokohama, JAPAN		978-1-6654-9153-2		WoS
278	Proceedings Paper	Nigam, P; Mishra, S	Counterexample to the Best-case Running time of Efficient Non-Dominated Sorting Algorithm	2022	PROCEEDINGS OF THE 2022 GENETIC AND EVOLUTIONARY COMPUTATION CONFERENCE COMPANION, GECCO 2022				798	800		10.1145/3520304.3528777	ASSOC COMPUTING MACHINERY	Genetic and Evolutionary Computation Conference (GECCO)	JUL 09-13, 2022	Boston, MA		978-1-4503-9268-6		WoS

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279	Proceedings Paper	Paikray, A; Prudhvi, S; Nayak, SK	Improved Enhanced-Boost Quasi-Z-Source Inverter	2022	2022 IEEE INTERNATIONAL CONFERENCE ON POWER ELECTRONICS, DRIVES AND ENERGY SYSTEMS, PEDES							10.1109/PEDES56012.2022.10080512	IEEE	10th IEEE International Conference on Power Electronics, Drives and Energy Systems (IEEE PEDES)	DEC 14-17, 2022	Malaviya Natl Inst Technol Jaipur, Dept Elect Engrn, Jaipur, INDIA		978-1-6654-5566-4		WoS
280	Meeting Abstract	Chaturvedi, R; Pachauri, K	Bioprocessing and Plant Cell Culture Technology for Mass Production of Essential Metabolites	2023	IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL		59		578	578			SPRINGER				1071-2690			WoS
281	Proceedings Paper	Pathak, D; Nandi, S; Sarmah, P	AsPOS: Assamese Part of Speech Tagger using Deep Learning Approach	2022	2022 IEEE/ACS 19TH INTERNATIONAL CONFERENCE ON COMPUTER SYSTEMS AND APPLICATIONS (AICCSA)							10.1109/AICCSA56895.2022.10017934	IEEE	19th IEEE/ACS International Conference on Computer Systems and Applications (AICCSA)	DEC 05-07, 2022	Zayed Univ, Abu Dhabi, U ARAB EMIRATES	2161-5322	979-8-3503-1008-5	Green Submitted	WoS
282	Proceedings Paper	Bharti, N; Nath, A; Upadhyay, S; Kapoor, HK	ZOCHEN: Compression Using Zero Chain Elimination and Encoding to Improve Endurance of Non-Volatile Memories	2023	2023 24TH INTERNATIONAL SYMPOSIUM ON QUALITY ELECTRONIC DESIGN, ISQED				690	697		10.1109/ISQED57927.2023.10129315	IEEE	24th International Symposium on Quality Electronic Design (ISQED)	APR 05-07, 2023	ELECTR NETWORK	1948-3287	979-8-3503-3475-3		WoS
283	Proceedings Paper	Choudhury, R; Ahamed, SR; Guha, P	Hardware Implementation of Low Complexity High-speed Perceptron Block	2022	2022 IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS (ISCAS 22)				26	30		10.1109/ISCAS48785.2022.9937758	IEEE	IEEE International Symposium on Circuits and Systems (ISCAS)	MAY 28-JUN 01, 2022	Austin, TX	0271-4302	978-1-6654-8485-5		WoS
284	Proceedings Paper	Das, D; Anandh, N; Kumar, C	Multi-Terminal Smart Transformer for Green Data Centres	2022	2022 IEEE 13TH INTERNATIONAL SYMPOSIUM ON POWER ELECTRONICS FOR DISTRIBUTED GENERATION SYSTEMS (PEDG)							10.1109/PEDG54999.2022.9923141	IEEE	13th International Symposium on Power Electronics for Distributed Generation Systems (PEDG)	JUN 26-29, 2022	Kiel, GERMANY	2329-5759	978-1-6654-6618-9		WoS
285	Proceedings Paper	Piparsania, K; Kalita, P	Insights on Green Building Rating Systems for Housing in India and Their Assessment with Pillars of Sustainability	2022	WITH DESIGN: REINVENTING DESIGN MODES, IASDR 2021				2464	2484		10.1007/978-981-19-4472-7_159	SPRINGER-VERLAG SINGAPORE PTE LTD	9th Congress of the International-Association-of-Societies-of-Design-Research (IASDR)	DEC 05-09, 2021	Hong Kong, HONG KONG		978-981-19-4474-1; 978-981-19-4472-7; 978-981-19-4471-0		WoS
286	Proceedings Paper	Shrihari, A; Guha, P; Kulkarni, RD	A Novel Network Architecture for Microplankton Classification in Digital Holographic Images	2023	PATTERN RECOGNITION AND MACHINE INTELLIGENCE, PREMI 2023		14301		473	482		10.1007/978-3-031-45170-6_49	SPRINGER INTERNATIONAL PUBLISHING AG	10th Biennial International Conference on Pattern Recognition and Machine Intelligence (PreMI)	DEC 12-15, 2023	Indian Stat Inst, Kolkata, INDIA	0302-9743	978-3-031-45169-0; 978-3-031-45170-6		WoS
287	Meeting Abstract	Devi, H; Borsaikia, S; Swaminathan, R	Assessing the Contribution of Lysine to the UV-visible Spectra of Charged Amino Acid Rich Proteins by Acetylation	2023	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS		52	SUPPL 1	577	577			SPRINGER				0175-7571			WoS
288	Proceedings Paper	Sharma, N; Kapoor, K	Distributed Routing Algorithms for Concurrent Execution of Transactions in PCNs	2023	2023 IEEE 7TH INTERNATIONAL CONFERENCE ON FOG AND EDGE COMPUTING, IC FEC				49	57		10.1109/ICFEC57925.2023.00015	IEEE	7th IEEE International Conference on Fog and Edge Computing (ICFEC) / 23rd IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGRID)	MAY 01-04, 2023	Bangalore, INDIA		979-8-3503-2288-0		WoS

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289	Proceedings Paper	Nath, N; Chouhan, S	Performance Analysis of Time Reversal Underwater Acoustic Communication	2023	OCEANS 2023 - LIMERICK							10.1109/OCEANS Limerick52467.2023.10244455	IEEE	OCEANS Conference	JUN 05-08, 2023	Limerick, IRELAND		979-8-3503-3226-1		WoS
290	Proceedings Paper	Upadhyaya, A; Mahanta, C	Adaptive Energy Management System based on Pontryagin's Minimum Principle for Battery/Supercapacitor Electric Vehicle Considering Topographic Information	2023	2023 IEEE VEHICLE POWER AND PROPULSION CONFERENCE, VPPC							10.1109/VPPC60535.2023.10403197	IEEE	20th IEEE Vehicle Power and Propulsion Conference (IEEE VPPC)	OCT 24-27, 2023	Milan, ITALY	1938-8756	979-8-3503-4445-5		WoS
291	Proceedings Paper	Das, S; Dandapat, S	Multiscale Kernel Residual Convolutional Neural Network to Detect Heart Valve Diseases	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039701	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
292	Proceedings Paper	Joshi, A; Nath, S	Selective Harmonic Elimination Pulse-Width Modulation for Matrix Converter based Solid-State Transformer	2022	2022 IEEE INTERNATIONAL CONFERENCE ON POWER ELECTRONICS, DRIVES AND ENERGY SYSTEMS, PEDES							10.1109/PEDES56012.2022.10080630	IEEE	10th IEEE International Conference on Power Electronics, Drives and Energy Systems (IEEE PEDES)	DEC 14-17, 2022	Malaviya Natl Inst Technol Jaipur, Dept Elect Engrn, Jaipur, INDIA		978-1-6654-5566-4		WoS
293	Meeting Abstract	Dey, S; Bhat, A; Janani, G; Bandyopadhyay, A; Shandilya, V; Gupta, R; Mandal, BB	Perfusion bioreactor based 3D printed in vitro liver model for drug screening applications	2023	TISSUE ENGINEERING PART A		29	13-14					MARY ANN LIEBERT, INC	Meeting of the European-Chapter of the Tissue-Engineering-and-Regenerative-Medicine-International-Society (TERMIS)	MAR 28-31, 2023	Manchester, ENGLAND	1937-3341			WoS
294	Article; Proceedings Paper	Rajput, AS; Das, M; Kapil, S	Optimization of surface roughness parameters in Hybrid-Chemo Magnetorheological Finishing (HC-MRF) process using Response Surface Methodology and Genetic Algorithm	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C- JOURNAL OF MECHANICAL ENGINEERING SCIENCE		238	8	3273	3286		10.1177/09544062231175783	SAGE PUBLICATIONS LTD	International Conference on Advanced Materials and Mechanical Characterization (ICAMMC)	DEC 02-04, 2021	SRM Inst Sci & Technol, Kattankulathur, INDIA	0954-4062			WoS
295	Proceedings Paper	Chaudhry, H; Kumar, A; Bharti, R	Detection of Liquefaction Phenomenon from the 2017 Tripura Earthquake using Remote Sensing Data.	2022	2022 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS 2022)				3676	3679		10.1109/IGARSS46834.2022.9884833	IEEE	IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 17-22, 2022	Kuala Lumpur, MALAYSIA	2153-6996	978-1-6654-2792-0		WoS
296	Proceedings Paper	Mondal, SK; Bharti, R	SEISMIC IMPACT AROUND HIMALAYAN SNOW-MELT FED LAKE USING INSAR: A CASE STUDY FOR 20 MARCH 2020 MW5.7 TIBET EARTHQUAKE	2022	2022 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS 2022)				2522	2525		10.1109/IGARSS46834.2022.9883036	IEEE	IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 17-22, 2022	Kuala Lumpur, MALAYSIA	2153-6996	978-1-6654-2792-0		WoS
297	Proceedings Paper	Fadnis, C; Chouhan, S	Bounds on Pairwise Error Probability for LDPC coded CF-mMIMO System	2023	2023 IEEE 13TH ANNUAL COMPUTING AND COMMUNICATION WORKSHOP AND CONFERENCE, CCWC				668	673		10.1109/CCWC57344.2023.10099052	IEEE	IEEE 13th Annual Computing and Communication Workshop and Conference (CCWC)	MAR 08-11, 2023	ELECTR NETWORK		979-8-3503-3286-5		WoS

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298	Proceedings Paper	Das, P; Gupta, J; Sikdar, D; Bhattacharjee, R	Analysis of SNR Enhancement in 1.5T MRI by using Metasurfaces	2022	2022 IEEE MICROWAVES, ANTENNAS, AND PROPAGATION CONFERENCE, MAPCON				444	448		10.1109/MAPCON56011.2022.10046946	IEEE	IEEE Microwaves, Antennas, and Propagation Conference (MAPCON)	DEC 12-16, 2022	Bangalore, INDIA		978-1-6654-5203-8		WoS
299	Proceedings Paper	Sharma, V; Sasmal, P; Bhuyan, MK; Das, PK	Keyframe Selection from Colonoscopy Videos to Enhance Visualization for Polyp Detection	2022	2022 26TH INTERNATIONAL CONFERENCE INFORMATION VISUALISATION (IV)				426	431		10.1109/IV56949.2022.00076	IEEE	26th International Conference Information Visualisation (IV)	JUL 19-22, 2022	Vienna, AUSTRIA	1550-6037	978-1-6654-9007-8		WoS
300	Proceedings Paper	Anand, D; Dey, A; Karangat, R	Indirect Assessment of Mechanical Behaviour of Varved Clays under Freezing Thawing Cycle Using Soil-Water and Soil-Freezing Characteristic Curves of Constituent Laminae	2024	GEO-CONGRESS 2024: SOIL IMPROVEMENT, SUSTAINABILITY, GEOENVIRONMENTAL, AND COLD REGIONS ENGINEERING		351		733	741			AMER SOC CIVIL ENGINEERS	Geo-Congress on Bridging Government, Industry, and Academia for Resilient Mega-Communities	FEB 25-28, 2024	Vancouver, CANADA	0895-0563	978-0-7844-8533-0		WoS
301	Proceedings Paper	Dongre, A; Trivedi, G	Binary Synaptic Array for Inference and Training with Built-in RRAM Electroforming Circuit	2023	2023 24TH INTERNATIONAL SYMPOSIUM ON QUALITY ELECTRONIC DESIGN, ISQED				353	358		10.1109/ISQED57927.2023.10129360	IEEE	24th International Symposium on Quality Electronic Design (ISQED)	APR 05-07, 2023	ELECTR NETWORK	1948-3287	979-8-3503-3475-3		WoS
302	Proceedings Paper	Bharti, RR; Narayan, J; Dwivedy, SK	Robust Tracking Control for Underactuated Autonomous Underwater Vehicles	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039995	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
303	Proceedings Paper	Mondal, SK; Bharti, R	DETECTION OF SNOW AVALANCHES OF 17TH JANUARY 2020 AROUND ANNAPURNA MOUNTAIN RANGE USING MULTITEMPORAL RADAR IMAGERIES OF SENTINEL-1	2022	2022 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS 2022)			3955	3958			10.1109/IGARSS46834.2022.9884820	IEEE	IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 17-22, 2022	Kuala Lumpur, MALAYSIA	2153-6996	978-1-6654-2792-0		WoS
304	Proceedings Paper	Srivastava, A; Bharat, TV	Shearing Behavior of Calcinated Kaolin Clay in Ring Shear Apparatus	2024	GEO-CONGRESS 2024: GEOTECHNICAL SITE AND SOIL CHARACTERIZATION		348		376	386			AMER SOC CIVIL ENGINEERS	Geo-Congress on Bridging Government, Industry, and Academia for Resilient Mega-Communities	FEB 25-28, 2024	Vancouver, CANADA	0895-0563	978-0-7844-8530-9		WoS
305	Proceedings Paper	Anurag, N; Nath, S	Effect of DecouplingCapacitanceand RC SnubberonSiCMOSFETBidirectional Switch	2022	2022 IEEE INTERNATIONAL CONFERENCE ON POWER ELECTRONICS, DRIVES AND ENERGY SYSTEMS, PEDES							10.1109/PEDES56012.2022.10080588	IEEE	10th IEEE International Conference on Power Electronics, Drives and Energy Systems (IEEE PEDES)	DEC 14-17, 2022	Malaviya Natl Inst Technol Jaipur, Dept Elect Engn, Jaipur, INDIA		978-1-6654-5566-4		WoS
306	Proceedings Paper	Goli, VP; Ganguly, S	Multi-Objective Optimisation Approach for Energy Loss Minimization of Distribution Networks using Single Series and Multiple Shunt Compensators	2022	2022 IEEE CALCUTTA CONFERENCE, CALCON			117	121			10.1109/CALCON56258.2022.10060281	IEEE	IEEE Calcutta Conference (CALCON)	DEC 10-11, 2022	Jadavpur Univ, Kolkata, INDIA		978-1-6654-6242-6		WoS
307	Proceedings Paper	Roy, N; Tripathy, P; De, SC; Swargiary, B; Kumar, S; Das, S; Pathak, N	Day-ahead Solar Power Generation Forecasting using LSTM and Random Forest Methods for North Eastern Region of India	2022	2022 22ND NATIONAL POWER SYSTEMS CONFERENCE, NPSC							10.1109/NPSC57038.2022.10069833	IEEE	22nd National Power Systems Conference (NPSC)	DEC 17-19, 2022	New Delhi, INDIA		978-1-6654-6202-0		WoS

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308	Article; Proceedings Paper	Naik, K; Sahoo, N	Synergistic Effect of J-Shape Airfoil on the Performance of Darrieus-Type Straight-Bladed Vertical Axis Wind Turbine	2023	JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME		145	10				10.1115/1.4062082	ASME	ASME 16th International Conference on Energy Sustainability (ES)	JUL 11-13, 2022	Philadelphia, PA	0195-0738			WoS	
309	Proceedings Paper	Kalita, H; Dandapat, S; Bora, PK	Segmentation of Retinal OCT B-scans Using a Variable Kernel U-Net Architecture for Diagnosis of Diabetic Macular Edema	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039881	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS	
310	Meeting Abstract	Singh, A; Harikrishna, G; Swaminathan, R	Monitoring phosphorylation in proteins using a novel technique: Protein charge transfer spectra	2023	BIOPHYSICAL JOURNAL		122	3	546A	547A			CELL PRESS					0006-3495		Bronze	WoS
311	Proceedings Paper	Lokhandwala, S; Sinha, R; Ganji, S; Pailla, B	Decoding Asian Elephant Vocalisations: Unravelling Call Types, Context-Specific Behaviors, and Individual Identities	2023	SPEECH AND COMPUTER, SPECOM 2023, PT II		14339		367	379		10.1007/978-3-031-48312-7_30	SPRINGER INTERNATIONAL PUBLISHING AG	25th International Conference on Speech and Computer (SPECOM)	NOV 29-DEC 02, 2023	Dharwad, INDIA	2945-9133	978-3-031-48311-0; 978-3-031-48312-7		WoS	
312	Proceedings Paper	Ray, M; Bharti, R; Dutta, S	QUANTIFYING CHANNEL MORPHOLOGY AND TECTONIC DEFORMATION OF RISPANA RIVER BASIN USING GEOMORPHIC MARKERS: IMPACT OF ANTHROPOGENIC FACTORS ON THE SYSTEM	2022	2022 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS 2022)				6418	6421		10.1109/IGARSS46834.2022.9884496	IEEE	IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 17-22, 2022	Kuala Lumpur, MALAYSIA	2153-6996	978-1-6654-2792-0		WoS	
313	Proceedings Paper	Goswami, SSP; Trivedi, G	Comparison of Hardware Implementations of Cryptographic Algorithms for IoT Applications	2023	2023 33RD INTERNATIONAL CONFERENCE RADIOELEKTRONIKA, RADIOELEKTRONIKA							10.1109/RADIOELEKTRONIKA57919.2023.10109046	IEEE	33rd International Conference on Radioelektronika (RADIOELEKTRONIKA)	APR 19-20, 2023	Pardubice, CZECH REPUBLIC		979-8-3503-9834-2		WoS	
314	Proceedings Paper	Priyadarshi, V; Goel, S; Kapoor, K	Analysis of Optimal Number of Shards Using ShardEval, A Simulator for Sharded Blockchains	2023	INFORMATION SYSTEMS SECURITY, ICISS 2023		14424		339	359		10.1007/978-3-031-49099-6_21	SPRINGER INTERNATIONAL PUBLISHING AG	19th International Conference on Information Systems Security (ICISS)	DEC 16-20, 2023	Natl Inst Technol, Raipur, INDIA	0302-9743	978-3-031-49098-9; 978-3-031-49099-6		WoS	
315	Proceedings Paper	Jyotishi, D; Dandapat, S	A Multi-Scale Residual Neural Network for ECG Based Person Identification	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039797	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS	
316	Proceedings Paper	Pandey, S; Majhi, S	Modeling of Integrating and Non-minimum Phase Dynamics using Limit Cycles	2022	2022 IEEE 61ST CONFERENCE ON DECISION AND CONTROL (CDC)				1330	1335		10.1109/CDC51059.2022.9992870	IEEE	IEEE 61st Conference on Decision and Control (CDC)	DEC 06-09, 2022	Cancun, MEXICO	0743-1546	978-1-6654-6761-2		WoS	
317	Proceedings Paper	Bisht, GS; Pal, D	Correlation between magnetic and dielectric anomalies arising due to spin-chain arrangements in the paramagnetic phase of 1D Ca3Co1.9Bi0.1O6	2023	EMERGENT PHENOMENA IN QUANTUM MATERIALS, E-QMAT 2022		2518					10.1088/1742-6596/2518/1/012001	IOP PUBLISHING LTD	Conference on Emergent Phenomena in Quantum Materials (E-QMAT)	OCT 12-14, 2022	Roorkee, INDIA	1742-6588		gold	WoS	
318	Proceedings Paper	Ghosh, S; Rangslang, R; Bora, PK	Robust CNN-based Camera Model Identification against Fixed L ∞ -norm Adversarial Examples	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10040104	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS	
319	Proceedings Paper	Singh, YO; Sahoo, S; Sharma, LN; Dandapat, S	The Delineation of Aortic Valve Opening Point and Estimation of Heart Rate Variability from Seismocardiogram signal using Linear Prediction Coding Technique	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10040181	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS	

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320	Meeting Abstract	Jaiswal, C; Bandyopadhyay, A; Mandal, BB	Development of silk fibroin-based tri-culture 3D in vitro model of breast cancer for high throughput anticancer drug screening	2023	TISSUE ENGINEERING PART A		29	13-14					MARY ANN LIEBERT, INC	Meeting of the European-Chapter of the Tissue-Engineering-and-Regenerative-Medicine-International-Society (TERMIS)	MAR 28-31, 2023	Manchester, ENGLAND	1937-3341			WoS
321	Proceedings Paper	Dar, MR; Ganguly, S	A review of voltage control strategies in active distribution networks	2022	2022 IEEE CALCUTTA CONFERENCE, CALCON				145	149		10.1109/CALCON56258.2022.10060319	IEEE	IEEE Calcutta Conference (CALCON)	DEC 10-11, 2022	Jadavpur Univ, Kolkata, INDIA		978-1-6654-6242-6		WoS
322	Proceedings Paper	Patel, VD; Bharti, R	MASS BALANCE ASSESSMENT OF ZEMU GLACIER: AN ELA-AAR BASED APPROACH	2022	2022 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS 2022)				3963	3966		10.1109/IGARSS46834.2022.9884503	IEEE	IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 17-22, 2022	Kuala Lumpur, MALAYSIA	2153-6996	978-1-6654-2792-0		WoS
323	Proceedings Paper	Kumar, KPV; Rai, BK; Jacob, T	The Optimal Rate Memory Tradeoff in Multi-Access Coded Caching: Large Cache Size	2023	2023 IEEE INFORMATION THEORY WORKSHOP, ITW				165	169		10.1109/ITW55543.2023.10161659	IEEE	IEEE Information Theory Workshop (ITW)	APR 23-28, 2023	Saint-Malo, FRANCE	2475-420X	979-8-3503-0149-6	Green Submitted	WoS
324	Proceedings Paper	Upadhyaya, A; Mahanta, C	An Adaptive Energy Management System for Battery-Supercapacitor Electric Vehicle Based on Frequency Separation	2023	2023 NINTH INDIAN CONTROL CONFERENCE, ICC				321	326		10.1109/ICC61519.2023.10442836	IEEE	9th Indian Control Conference (ICC)	DEC 18-20, 2023	Gandhi Inst Technol & Managemnt, Visakhapatnam, INDIA		979-8-3503-9525-9		WoS
325	Proceedings Paper	Chethan, R; Kar, I	Multi-Agent Coverage Path Planning using a Swarm of Unmanned Aerial Vehicles	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039853	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
326	Proceedings Paper	Deka, D; Ravi, K; Nair, AM	Comparative Investigation of Different Plant Species for Heavy Metal Removal through Phytoremediation	2024	GEO-CONGRESS 2024: SOIL IMPROVEMENT, SUSTAINABILITY, GEOENVIRONMENTAL, AND COLD REGIONS ENGINEERING		351		602	611			AMER SOC CIVIL ENGINEERS	Geo-Congress on Bridging Government, Industry, and Academia for Resilient Mega-Communities	FEB 25-28, 2024	Vancouver, CANADA	0895-0563	978-0-7844-8533-0		WoS
327	Proceedings Paper	Meikap, S; Kumar, C; Kumar, A	Optimal Power Management of Multi-Port Converter System in Electric Vehicle Charging Station	2022	2022 IEEE 13TH INTERNATIONAL SYMPOSIUM ON POWER ELECTRONICS FOR DISTRIBUTED GENERATION SYSTEMS (PEDG)							10.1109/PEDG54999.2022.9923296	IEEE	13th International Symposium on Power Electronics for Distributed Generation Systems (PEDG)	JUN 26-29, 2022	Kiel, GERMANY	2329-5759	978-1-6654-6618-9		WoS
328	Proceedings Paper	Basu, A; Kar, I	Observer-Based Input-to-State Stabilizing Control for Multiple Transmission Channels under Denial-of-Service	2022	2022 EIGHTH INDIAN CONTROL CONFERENCE, ICC				73	78		10.1109/ICC56513.2022.10093432	IEEE	8th Indian Control Conference (ICC)	DEC 14-16, 2022	IIT Madras, Chennai, INDIA		978-1-6654-8999-7		WoS
329	Proceedings Paper	Kumari, S; Jyotishi, D; Das, S; Dandapat, S	Analyzing The Effect of Segmentation on PCG Based Biometric System	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039706	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS

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330	Proceedings Paper	Kumar, S; Yadav, H; Bharat, TV	Geo-Polymerization of Kaolin-Amended Black Cotton Soil	2024	GEO-CONGRESS 2024: SOIL IMPROVEMENT, SUSTAINABILITY, GEOENVIRONMENTAL, AND COLD REGIONS ENGINEERING		351		278	286			AMER SOC CIVIL ENGINEERS	Geo-Congress on Bridging Government, Industry, and Academia for Resilient Mega-Communities	FEB 25-28, 2024	Vancouver, CANADA	0895-0563	978-0-7844-8533-0		WoS
331	Proceedings Paper	Das, S; Dandapat, S	Automated Detection of Heart Murmurs From the PCG Signal Using Stationary Wavelet Transform	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039806	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
332	Proceedings Paper	Singh, MK; Bharti, R	SNOW PERMITTIVITY AND DENSITY ESTIMATION USING C-BAND DUAL POLARIMETRIC SENTINEL-1A DATA	2022	2022 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS 2022)				2526	2529		10.1109/IGARSS46834.2022.9884072	IEEE	IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 17-22, 2022	Kuala Lumpur, MALAYSIA	2153-6996	978-1-6654-2792-0		WoS
333	Proceedings Paper	Deka, A; Basireddy, SR	Emergency Braking Control in 3D Overhead Cranes Using a Switching PD-Fuzzy Controller	2023	2023 9TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND ROBOTICS, ICCAR				285	290		10.1109/ICCAR57134.2023.10151761	IEEE	9th International Conference on Control, Automation and Robotics (ICCAR)	APR 21-23, 2023	Sch Transportat Sci & Engn, Beijing, PEOPLES R CHINA	2251-2446	979-8-3503-2251-4		WoS
334	Article; Proceedings Paper	Haque, N; Singh, A; Saha, UK	A New Method to Develop Homogeneous and Heterogeneous Porous Micromodels Applicable to Enhanced Oil Recovery and Flow Visualization Experiments	2023	JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME		145	10				10.1115/1.4057032	ASME	ASME 16th International Conference on Energy Sustainability (ES)	JUL 11-13, 2022	Philadelphia, PA	0195-0738			WoS
335	Proceedings Paper	Rajashekar, K; Karmakar, S; Paul, S; Sidhanta, S	Topology-Aware Cluster Configuration for Real-time Multi-access Edge Computing	2023	PROCEEDINGS OF THE 24TH INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING AND NETWORKING, ICDCN 2023				286	287		10.1145/3571306.3571358	ASSOC COMPUTING MACHINERY	24th International Conference on Distributed Computing and Networking (ICDCN)	JAN 04-07, 2023	Kharagpur, INDIA		978-1-4503-9796-4		WoS
336	Proceedings Paper	Basu, A; Dasgupta, A; Routray, A; Mitra, P	FVNet: Translating Thermograms to Facial Vasculature Imprints	2023	PATTERN RECOGNITION AND MACHINE INTELLIGENCE, PREMI 2023		14301		783	790		10.1007/978-3-031-45170-6_82	SPRINGER INTERNATIONAL PUBLISHING AG	10th Biennial International Conference on Pattern Recognition and Machine Intelligence (PreMI)	DEC 12-15, 2023	Indian Stat Inst, Kolkata, INDIA	0302-9743	978-3-031-45169-0; 978-3-031-45170-6		WoS
337	Proceedings Paper	Anandh, N; Das, D; Kumar, C	Smart Transformer Enabled Triple-Active Bridge Converter for Modern Data Centres	2022	2022 22ND NATIONAL POWER SYSTEMS CONFERENCE, NPSC							10.1109/NPSC57038.2022.10069928	IEEE	22nd National Power Systems Conference (NPSC)	DEC 17-19, 2022	New Delhi, INDIA		978-1-6654-6202-0		WoS
338	Meeting Abstract	Bhar, B; Das, E; Manikumar, K; Bandyopadhyay, A; Mandal, BB	Silk based 3D printed human skin model for high-throughput screening of topical formulations	2023	TISSUE ENGINEERING PART A		29	13-14					MARY ANN LIEBERT, INC	Meeting of the European-Chapter of the Tissue-Engineering-and-Regenerative-Medicine-International-Society (TERMIS)	MAR 28-31, 2023	Manchester, ENGLAND	1937-3341			WoS
339	Proceedings Paper	Biswas, K; Ghazzal, H; Kar, I; Massoud, Y	Optimal Evasive Path Planning with Velocity Constraint	2022	2022 IEEE ASIA PACIFIC CONFERENCE ON CIRCUITS AND SYSTEMS, APCCAS				409	413		10.1109/APCCAS5924.2022.10090375	IEEE	IEEE Asia Pacific Conference on Circuits and Systems (APCCAS)	NOV 11-13, 2022	So Univ Sci & Technol, Shenzhen, PEOPLES R CHINA		978-1-6654-5073-7		WoS

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340	Proceedings Paper	Muppidathi, BV; Laporte, S; Ulanowski, Y; Subbiah, S; Lebental, B	Performance of a Multiparametric Water Quality Sensor in a Small-scale Water Distribution Network	2023	2023 IEEE SENSORS							10.1109/SENSORS56945.2023.10324917	IEEE	IEEE Sensors Conference	OCT 29-NOV 01, 2023	Vienna, AUSTRIA	1930-0395	979-8-3503-0387-2	Green Submitted	WoS
341	Proceedings Paper	Sankar, S; Antony, L; Gupta, R; Jose, J; Nandis	Exploring Trustable Paths in Network-on-Chip for Low-Slack Packets	2023	2023 20TH INTERNATIONAL SOC DESIGN CONFERENCE, ISOCC				85	86		10.1109/ISOCC59558.2023.10395933	IEEE	20th International SoC Design Conference (ISOCC)	OCT 25-28, 2023	Jeju, SOUTH KOREA	2163-9612	979-8-3503-2703-8		WoS
342	Proceedings Paper	Devi, SA; Bhowmick, P; Lanzon, A	On state-space characterisation for output negative imaginary systems with possible poles at the origin and their internal stability result	2023	2023 62ND IEEE CONFERENCE ON DECISION AND CONTROL, CDC				6547	6552		10.1109/CDC49753.2023.10383663	IEEE	62nd IEEE Conference on Decision and Control (CDC)	DEC 13-15, 2023	IEEE Control Syst Soc, Singapore, SINGAPORE	0743-1546	979-8-3503-0124-3		WoS
343	Proceedings Paper	Su, YH; Bhowmick, P; Lanzon, A	A negative imaginary theory-based time-varying group formation tracking scheme for multi-robot systems: Applications to quadcopters	2023	2023 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION, ICRA				1435	1441		10.1109/ICRA48891.2023.10160850	IEEE	IEEE International Conference on Robotics and Automation (ICRA)	MAY 29-JUN 02, 2023	London, ENGLAND	1050-4729	979-8-3503-2365-8	Green Submitted	WoS
344	Proceedings Paper	Maurya, U; Arrawatia, M; Nallam, N	A Quadrature Hybrid Coupler Based T/R Front-End	2023	2023 IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS, ISCAS							10.1109/ISCAS46773.2023.10181796	IEEE	56th IEEE International Symposium on Circuits and Systems (ISCAS)	MAY 21-25, 2023	Monterey, CA	0271-4302	978-1-6654-5109-3		WoS
345	Proceedings Paper	Kaur, A; Saha, S; Karfa, C; Mukhopadhyay, D	Corruption Exposes You: Statistical Key Recovery from Compound Logic Locking	2022	PROCEEDINGS OF THE TWENTY THIRD INTERNATIONAL SYMPOSIUM ON QUALITY ELECTRONIC DESIGN (ISQED 2022)				371	376		10.1109/ISQED54688.2022.9806219	IEEE	23rd International Symposium on Quality Electronic Design (ISQED)	APR 06-07, 2022	Santa Jose, CA	1948-3287	978-1-6654-9466-3		WoS
346	Proceedings Paper	Tiwari, A; Mishra, SM; Guha, P; Jan, P; Nemec, Z; Trivedi, G	Design of a Low Power and Area Efficient Bfloat16 based Generalized Systolic Array for DNN Applications	2022	2022 32ND INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA)				44	48		10.1109/RADIOELEKTRONIKA54537.2022.9764899	IEEE	32nd International Conference on Radioelectronics (RADIOELECTRONICS)	APR 21-22, 2022	Kosice, SLOVAKIA		978-1-7281-8686-3	Green Submitted	WoS
347	Meeting Abstract	Bandyopadhyay, A; Ghibhela, B; Shome, S; Mandal, BB	Silk Based Photocrosslinkable Growth Factor Laden Injectable Hydrogel for Meniscus Defects	2023	TISSUE ENGINEERING PART A		29	13-14					MARY ANN LIEBERT, INC	Meeting of the European-Chapter of the Tissue-Engineering-and-Regenerative-Medicine-International-Society (TERMIS)	MAR 28-31, 2023	Manchester, ENGLAND	1937-3341			WoS
348	Proceedings Paper	Nam, E; Kim, H; Meyyappan, M; Kim, K	ZnO Nanoflake-Decorated Si Nanowire Photodiode with Enhanced Responsivity	2023	2023 SBMO/IEEE MTT-S INTERNATIONAL MICROWAVE AND OPTOELECTRONICS CONFERENCE, IMOC				265	267		10.1109/IMOC57131.2023.10379705	IEEE	SBMO/IEEE MTT-S International Microwave and Optoelectronics Conference (IMOC)	NOV 05-09, 2023	Castelldefels, SPAIN		979-8-3503-2067-1		WoS
349	Proceedings Paper	Kumar, MH; Sharma, S; Deka, K; Thottappan, M	Centralized and Distributed Reconfigurable Intelligent Surfaces Assisted NOMA	2022	2022 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC)				326	331		10.1109/NCC55593.2022.9806789	IEEE	28th National Conference on Communications (NCC)	MAY 24-27, 2022	ELECTR NETWORK		978-1-6654-5136-9		WoS
350	Proceedings Paper	Abara, D; Bhowmick, P; Lanzon, A	Cooperative control of multi-tilt tricopter drones applying a 'mixed' negative imaginary and strict passivity technique	2023	2023 EUROPEAN CONTROL CONFERENCE, ECC							10.23919/ECC57647.2023.10178409	IEEE	European Control Conference (ECC)	JUN 13-16, 2023	Bucharest, ROMANIA		978-3-907144-08-4	Green Submitted	WoS

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351	Proceedings Paper	Muthukrishnan, R; Kannan, S; Prabhu, R; Zhao, YF; Bhowmick, P	Detecting and tracking the position of suspicious objects using vision system	2023	ARTIFICIAL INTELLIGENCE FOR SECURITY AND DEFENCE APPLICATIONS		12742					10.1117/12.2679801	SPIE-INT SOC OPTICAL ENGINEERING	Conference on Artificial Intelligence for Security and Defence Applications	SEP 04-05, 2023	Amsterdam, NETHERLANDS	0277-786X	978-1-5106-6713-6; 978-1-5106-6714-3	Green Published	WoS
352	Proceedings Paper	Kshetrimayum, RS; Mishra, M; Aissa, S	Multiplexing Gain and Sum-Rate Loss of MIMO Antennas	2022	2022 IEEE MICROWAVES, ANTENNAS, AND PROPAGATION CONFERENCE, MAPCON				577	582		10.1109/MAPCON56011.2022.10046926	IEEE	IEEE Microwaves, Antennas, and Propagation Conference (MAPCON)	DEC 12-16, 2022	Bangalore, INDIA		978-1-6654-5203-8		WoS
353	Proceedings Paper	Bisht, H; Patra, M; Kumar, S	Detection and Localization of DDoS Attack During Inter-Slice Handover in 5G Network Slicing	2023	2023 IEEE 20TH CONSUMER COMMUNICATIONS & NETWORKING CONFERENCE, CCNC							10.1109/CCNC51644.2023.10060402	IEEE	IEEE 20th Consumer Communications and Networking Conference (CCNC)	JAN 08-11, 2023	Las Vegas, NV	2331-9852	978-1-6654-9734-3		WoS
354	Proceedings Paper	Kaustubh, K; Gogoi, P; Prasanna, SRM	Rhythm Formant Analysis for Automatic Depression Classification	2023	SPEECH AND COMPUTER, SPECOM 2023, PT I		14338		94	106		10.1007/978-3-031-48309-7_8	SPRINGER INTERNATIONAL PUBLISHING AG	25th International Conference on Speech and Computer (SPECOM)	NOV 29-DEC 02, 2023	Dharwad, INDIA	2945-9133	978-3-031-48308-0; 978-3-031-48309-7		WoS
355	Proceedings Paper	Chouhan, A; Sur, A; Chutia, D	AGGREGATED CONTEXT NETWORK FOR SEMANTIC SEGMENTATION OF AERIAL IMAGES	2022	2022 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, ICIP			1526	1530			10.1109/ICIP46576.2022.9898016	IEEE	IEEE International Conference on Image Processing (ICIP)	OCT 16-19, 2022	Bordeaux, FRANCE	1522-4880	978-1-6654-9620-9		WoS
356	Proceedings Paper	Deo, A; Reddy, GS; Arrawatia, M; Shah, P	A Partially Transparent GSM Band Loop RF-Solar Energy Harvester	2022	2022 IEEE MICROWAVES, ANTENNAS, AND PROPAGATION CONFERENCE, MAPCON			1499	1502			10.1109/MAPCON56011.2022.10046740	IEEE	IEEE Microwaves, Antennas, and Propagation Conference (MAPCON)	DEC 12-16, 2022	Bangalore, INDIA		978-1-6654-5203-8		WoS
357	Proceedings Paper	Baby, BE; Deb, D; Sharma, B; Vijayakumar, K; Das, S	Energy Efficient DNN Compaction for Edge Deployment	2023	APPLIED RECONFIGURABLE COMPUTING. ARCHITECTURES, TOOLS, AND APPLICATIONS, ARC 2023		14251		290	303		10.1007/978-3-031-42921-7_20	SPRINGER INTERNATIONAL PUBLISHING AG	19th International Symposium on Applied Reconfigurable Computing (ARC) - Architectures, Tools, and Applications	SEP 27-29, 2023	Cottbus, GERMANY	0302-9743	978-3-031-42920-0; 978-3-031-42921-7		WoS
358	Proceedings Paper	Pramanick, S; Samala, SV; Pattanayak, D; Mandal, PS	Filling MIS Vertices of a Graph by Myopic Luminous Robots	2023	DISTRIBUTED COMPUTING AND INTELLIGENT TECHNOLOGY, ICDCIT 2023		13776		3	19		10.1007/978-3-031-24848-1_1	SPRINGER INTERNATIONAL PUBLISHING AG	19th International Conference on Distributed Computing and Intelligent Technology (ICDCIT)	JAN 18-22, 2023	Kalinga Inst Ind Technol, Sch Comp Engr, Bhubaneswar, INDIA	0302-9743	978-3-031-24847-4; 978-3-031-24848-1		WoS
359	Proceedings Paper	Kashyap, I; Deb, D; Sarma, N	Grep: Performance Enhancement in MultiCore Processors using an Adaptive Graph Prefetcher	2023	2023 IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI, ISVLSI				300	305		10.1109/ISVLSI59464.2023.10238634	IEEE	26th IEEE-Computer-Society Annual Symposium on VLSI (ISVLSI)	JUN 20-23, 2023	Foz do Iguacu, BRAZIL	2159-3469	979-8-3503-2769-4		WoS
360	Proceedings Paper	Meikap, S; Das, D; Kumar, C; Buticchi, G	A Multi-Port Converter System for Grid Tied Electric Vehicle Charging Station	2022	2022 IEEE 13TH INTERNATIONAL SYMPOSIUM ON POWER ELECTRONICS FOR DISTRIBUTED GENERATION SYSTEMS (PEDG)							10.1109/PEDG54999.2022.9923228	IEEE	13th International Symposium on Power Electronics for Distributed Generation Systems (PEDG)	JUN 26-29, 2022	Kiel, GERMANY	2329-5759	978-1-6654-6618-9		WoS

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361	Proceedings Paper	Das, P; Varshney, G	Investigation of Circular Dichroism in Asymmetric Metamaterial	2022	2022 URSI REGIONAL CONFERENCE ON RADIO SCIENCE, USRI-RCRS				128	131			IEEE	URSI Regional Conference on Radio Science (USRI-RCRS)	DEC 01-04, 2022	Indore, INDIA		978-9-4639-6808-9		WoS
362	Proceedings Paper	Jana, A; Dey, A	A Numerical Study of Drainage Characteristics of Nonwoven Geotextile on the Performance of a Reinforced Soil Wall Comprising Unsaturated Marginal Backfill	2024	GEO-CONGRESS 2024: FOUNDATIONS, RETAINING STRUCTURES, GEOSYNTHETICS, AND UNDERGROUND ENGINEERING		350		447	458			AMER SOC CIVIL ENGINEERS	Geo-Congress on Bridging Government, Industry, and Academia for Resilient Mega-Communities	FEB 25-28, 2024	Vancouver, CANADA	0895-0563	978-0-7844-8532-3		WoS
363	Proceedings Paper	Saxena, P; Biradar, K; Tyagi, DK; Vipparthi, SK	RIChEx: A ROBUST INTER-FRAME CHANGE EXPOSURE FOR SEGMENTING MOVING OBJECTS	2022	2022 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, ICIP				2172	2176		10.1109/ICIP46576.2022.9897970	IEEE	IEEE International Conference on Image Processing (ICIP)	OCT 16-19, 2022	Bordeaux, FRANCE	1522-4880	978-1-6654-9620-9		WoS
364	Proceedings Paper	Baruah, RD; Muñoz-Organero, M	Exploiting Context and Attention Using Recurrent Neural Network for Sensor Time Series Prediction	2023	ADVANCED ANALYTICS AND LEARNING ON TEMPORAL DATA, AALTD 2023		14343		243	259		10.1007/978-3-031-49896-1_16	SPRINGER INTERNATIONAL PUBLISHING AG	8th International Workshop on Advanced Analytics and Learning on Temporal Data (AALTD) at European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD)	SEP 18-22, 2023	Turin, ITALY	2945-9133	978-3-031-49895-4; 978-3-031-49896-1		WoS
365	Proceedings Paper	Deo, A; Reddy, GS; Arrawatia, M; Shah, P	A Patch Rectenna Fed with L-probe to Harvest Solar and RF Energy	2022	2022 IEEE MICROWAVES, ANTENNAS, AND PROPAGATION CONFERENCE, MAPCON				380	383		10.1109/MAPCON56011.2022.10047056	IEEE	IEEE Microwaves, Antennas, and Propagation Conference (MAPCON)	DEC 12-16, 2022	Bangalore, INDIA		978-1-6654-5203-8		WoS
366	Proceedings Paper	Kannan, S; Bhowmick, P; Alamdari, SAS	Model Predictive Control of Connected Spacecraft Formation	2022	IFAC PAPERSONLINE		55	22	322	327		10.1016/j.ifacol.2023.03.054	ELSEVIER	22nd International-Federation-of-Automatic-Control (IFAC) Symposium on Automatic Control in Aerospace (ACA)	NOV 21-25, 2022	Mumbai, INDIA	2405-8963		gold, Green Published	WoS
367	Proceedings Paper	Palesi, M; Russo, E; Das, A; Jose, J	Wireless enabled Inter-Chiplet Communication in DNN Hardware Accelerators	2023	2023 IEEE INTERNATIONAL PARALLEL AND DISTRIBUTED PROCESSING SYMPOSIUM WORKSHOPS, IPDPSW				477	483		10.1109/IPDPSW59300.2023.00081	IEEE	37th IEEE International Parallel and Distributed Processing Symposium (IPDPS)	MAY 15-19, 2023	St Petersburg, FL	2164-7062	979-8-3503-1199-0		WoS
368	Proceedings Paper	Singh, U; Bajaj, J; Kanaujia, BK; Biswas, S	Transceiver and Phase Optimization for RIS-assisted Hardware-impaired MIMO Cellular Systems	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039807	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
369	Proceedings Paper	Ganguly, A; Bhowmick, P; Mishra, L; Mahanta, M; Chakraborty, A; Sen, S	Secondary adaptive frequency consensus of AC microgrid exposed to network delays and high frequency noise signal	2022	2022 IEEE CALCUTTA CONFERENCE, CALCON				65	70		10.1109/CALCON56258.2022.10059861	IEEE	IEEE Calcutta Conference (CALCON)	DEC 10-11, 2022	Jadavpur Univ, Kolkata, INDIA		978-1-6654-6242-6		WoS

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370	Meeting Abstract	Kamale, C; Sharma, K; Goyal, A; Bhaumik, P	Structure-guided improvement of β -glucosidase from <i>Clostridium thermocellum</i> for industrial bioethanol production	2023	ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES		79		C1253	C1253			INT UNION CRYSTALLOGRAPHY				2053-2733			WoS
371	Proceedings Paper	Minz, M; Mishra, D; Chanu, SA; Sonkar, RK	Demonstration of a Silicon Photonic Mode Coupler Using Periodic Grating Structures	2022	2022 ASIA COMMUNICATIONS AND PHOTONICS CONFERENCE, ACP				1651	1653		10.1109/ACPS5869.2022.10088481	IEEE	Asia Communications and Photonics Conference (ACP) / International Conference on Information Photonics and Optical Communications (IPOC)	NOV 05-08, 2022	So Univ Sci & Technol, Shenzhen, PEOPLES R CHINA	2162-108X	978-1-6654-8155-7		WoS
372	Proceedings Paper	Bhowmick, P; Mahapatra, S; Panda, A	Employing NMPC scheme utilizing improved cubature Kalman filter for an AUV system	2022	IFAC PAPERSONLINE		55	22	171	176		10.1016/j.ifacol.2023.03.029	ELSEVIER	22nd International-Federation-of-Automatic-Control (IFAC) Symposium on Automatic Control in Aerospace (ACA)	NOV 21-25, 2022	Mumbai, INDIA	2405-8963		gold	WoS
373	Proceedings Paper	Neethu, K; Russo, E; Kunthara, RG; James, RK; Jose, J	Impact Analysis of Communication Overhead in NoC based DNN Hardware Accelerators	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039775	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
374	Proceedings Paper	Datta, A; Karmakar, B; Sil, A	A MINIMAL FLAVOR MODEL FOR NEUTRINO MASS AND LEPTOGENESIS	2022	ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT		15	2				10.5506/APhysPolBSupp.15.2-A13	JAGIELLONIAN UNIV	44th International Conference of Theoretical Physics	SEP 15-17, 2021	Warsaw, POLAND	1899-2358		Green Submitted, gold	WoS
375	Proceedings Paper	Mondal, SK; Bharti, R; Singh, RP	MAPPING SNOW COVERAGE, CONTAMINATION AND GLACIAL LAKES OF EASTERN HIMALAYAS: A CASE STUDY OF ARUNACHAL PRADESH AND ITS TAWANG RIVER BASIN	2023	IGARSS 2023 - 2023 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM				110	113		10.1109/IGARSS552108.2023.10282226	IEEE	IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 16-21, 2023	Pasadena, CA	2153-6996	979-8-3503-2010-7		WoS
376	Proceedings Paper	Malik, V; Karmakar, S	Some Insights on Dynamic Maintenance of Gomory-Hu Tree in Cactus Graphs and General Graphs	2023	ALGORITHMS AND DISCRETE APPLIED MATHEMATICS, CALDAM 2023		13947		231	244		10.1007/978-3-031-25211-2_18	SPRINGER INTERNATIONAL PUBLISHING AG	9th International Conference on Algorithms and Discrete Applied Mathematics (CALDAM)	FEB 09-11, 2023	Dhirubhai Ambani Inst Informat & Commun Technol, Gandhinagar, INDIA	0302-9743	978-3-031-25210-5; 978-3-031-25211-2		WoS
377	Proceedings Paper	Saikia, P; Basu, B; Kumar, J	Frequency and Polarization Reconfigurable Slotted Microstrip Antenna	2022	2022 IEEE MICROWAVES, ANTENNAS, AND PROPAGATION CONFERENCE, MAPCON				195	199		10.1109/MAPCON56011.2022.10047518	IEEE	IEEE Microwaves, Antennas, and Propagation Conference (MAPCON)	DEC 12-16, 2022	Bangalore, INDIA		978-1-6654-5203-8		WoS
378	Proceedings Paper	Mondal, SK; Saxena, S; Bharti, R; Singh, RP	DAMAGE ASSESSMENT AROUND LAWAR MANDI INFRASTRUCTURES ASSOCIATED WITH 2022 AFGHANISTAN EARTHQUAKE (MW 6.0) FROM INSAR OBSERVATIONS	2023	IGARSS 2023 - 2023 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM				2564	2567		10.1109/IGARSS552108.2023.10281502	IEEE	IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 16-21, 2023	Pasadena, CA	2153-6996	979-8-3503-2010-7		WoS
379	Proceedings Paper	Shankar, A; Chakraborty, D; Saikia, MJ; Dandapat, S; Barma, S	Seizure Type Detection Using EEG Signals Based on Phase Synchronization and Deep Learning	2023	2023 IEEE 19TH INTERNATIONAL CONFERENCE ON BODY SENSOR NETWORKS, BSN							10.1109/BSN58485.2023.10331565	IEEE	IEEE 19th International Conference on Body Sensor Networks (IEEE BSN)	OCT 09-11, 2023	MIT Media Lab, Boston, MA	2376-8886	979-8-3503-3841-6		WoS

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380	Proceedings Paper	Ray, S; Dash, S; Jana, A; Mishra, AK; Kalamdhad, AS	Influence of Fly Ash Leachate on the Hydraulic and Mechanical Behavior of Bentonites	2024	GEO-CONGRESS 2024: SOIL IMPROVEMENT, SUSTAINABILITY, GEOENVIRONMENTAL, AND COLD REGIONS ENGINEERING		351		526	535			AMER SOC CIVIL ENGINEERS	Geo-Congress on Bridging Government, Industry, and Academia for Resilient Mega-Communities	FEB 25-28, 2024	Vancouver, CANADA	0895-0563	978-0-7844-8533-0		WoS
381	Proceedings Paper	Gupta, AK; Barnwal, M; Mishra, D	A Contrastive Learning Approach for Infrared-Visible Image Fusion	2023	PATTERN RECOGNITION AND MACHINE INTELLIGENCE, PREMI 2023		14301		199	208		10.1007/978-3-031-45170-6_21	SPRINGER INTERNATIONAL PUBLISHING AG	10th Biennial International Conference on Pattern Recognition and Machine Intelligence (PREMI)	DEC 12-15, 2023	Indian Stat Inst, Kolkata, INDIA	0302-9743	978-3-031-45169-0; 978-3-031-45170-6		WoS
382	Article; Proceedings Paper	Bhowmik, T; Chowdhary, AK; Sikdar, D	Polarization- and Angle-Insensitive Tunable Metasurface for Electro-Optic Modulation	2023	IEEE PHOTONICS TECHNOLOGY LETTERS		35	16	879	882		10.1109/LPT.2023.3256584	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	International Conference on Optical MEMS and Nanophotonics (OMN)	SEP 12-15, 2022	ELECTR NETWORK	1041-1135			WoS
383	Article; Proceedings Paper	Neethu, K; Shahana, KCS; James, RK; Jose, J; Mandal, SK	ELEMENT: Energy-Efficient Multi-NoP Architecture for IMC-Based 2.5-D Accelerator for DNN Training	2023	IEEE DESIGN & TEST		40	6	51	63		10.1109/MDAT.2023.3309743	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	International Symposium on Networks-on-Chip (NOCS)	SEP 21-22, 2023	Hamburg, GERMANY	2168-2356			WoS
384	Proceedings Paper	Chowdhury, J; Kumar, G; Kalita, K; Kakoty, P	Design, modeling and analysis of transverse flux active mover switched reluctance actuator	2022	2022 IEEE INTERNATIONAL POWER AND RENEWABLE ENERGY CONFERENCE, IPRECON							10.1109/IPRECON55716.2022.10059513	IEEE	3rd IEEE International Power and Renewable Energy Conference (IPRECON)	DEC 16-18, 2022	Kollam, INDIA		978-1-6654-9175-4		WoS
385	Article; Proceedings Paper	Kumar, A; Deb, D; Das, S; Das, P	edAttack: Hardware Trojan Attack on On-Chip Packet Compression	2023	IEEE DESIGN & TEST		40	6	125	135		10.1109/MDAT.2023.3306718	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	International Symposium on Networks-on-Chip (NOCS)	SEP 21-22, 2023	Hamburg, GERMANY	2168-2356			WoS
386	Proceedings Paper	Panda, S; Anilkumar, R; Balabantaray, BK; Chutia, D; Bharti, R	Machine Learning-Driven Snow Cover Mapping Techniques using Google Earth Engine	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10040153	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
387	Proceedings Paper	Datta, S; Deka, B; Dandapat, S; Kumar, S; Majumder, A	Enhancement of Diagnostic Information in T1-weighted Contrast Enhanced MRI using Deep Back-Projection based Super-Resolution	2022	2022 IEEE 19TH INDIA COUNCIL INTERNATIONAL CONFERENCE, INDICON							10.1109/INDICON56171.2022.10039876	IEEE	19th IEEE-India-Council International Conference (INDICON)	NOV 24-26, 2022	Cochin Univ Sci & Technol, Kochi, INDIA	2325-940X	978-1-6654-7350-7		WoS
388	Proceedings Paper	Mitra, A; Vijayan, P; Singh, SR; Goswami, D; Parthasarathy, S; Ravindran, B	Revisiting Link Prediction on Heterogeneous Graphs with a Multi-view Perspective	2022	2022 IEEE INTERNATIONAL CONFERENCE ON DATA MINING (ICDM)				358	367		10.1109/ICDM54844.2022.00046	IEEE	22nd IEEE International Conference on Data Mining (ICDM)	NOV 28-DEC 01, 2022	Orlando, FL	1550-4786	978-1-6654-5099-7		WoS
389	Proceedings Paper	Jha, D; Sharma, V; Dasu, N; Tomar, NK; Hicks, S; Bhuyan, MK; Das, PK; Riegler, MA; Halvorsen, P; Bagci, U; de Lange, T	GastroVision: A Multi-class Endoscopy Image Dataset for Computer Aided Gastrointestinal Disease Detection	2024	MACHINE LEARNING FOR MULTIMODAL HEALTHCARE DATA, ML4MHD 2023		14315		125	140		10.1007/978-3-031-47679-2_10	SPRINGER INTERNATIONAL PUBLISHING AG	1st International Workshop on Machine Learning for Multimodal Healthcare Data (ML4MHD)	JUL 29, 2023	Honolulu, HI	0302-9743	978-3-031-47678-5; 978-3-031-47679-2		WoS

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390	Proceedings Paper	Plale, B; Malakar, P; D'Souza, M; Kapoor, HK; Simmhan, Y; Altintas, I; Swaminathan, M	CCGRID 2023: A Holistic Approach to Inclusion and Belonging	2023	2023 IEEE/ACM 23RD INTERNATIONAL SYMPOSIUM ON CLUSTER, CLOUD AND INTERNET COMPUTING, CCGRID				684	685		10.1109/CCGrid57682.2023.00070	IEEE COMPUTER SOC	23rd IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGrid)	MAY 01-04, 2023	Bangalore, INDIA		979-8-3503-0119-9		WoS

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1	Book chapter	Reddy C.V.; Kundu A.; Kalamdhad A.S.	INTEGRATION OF SITE-SPECIFIC DATA INTO LIFE CYCLE ASSESSMENT METHOD, WITH A FOCUS ON MUNICIPAL SOLID WASTE TREATMENT TECHNOLOGIES	2024	Solid Waste Management: Volume 2 - Biological/Biochemical Approaches		220	236	16	10.1201/9781003229919-14	CRC Press	978-104004367-7; 978-103213568-7	Scopus
2	Book chapter	Majhi P.; Mukut B.B.; Samantaray S.M.	Bioremediation of Hexavalent Chromium Using Microalgae	2024	Algal Biotechnology: Current Trends, Challenges and Future Prospects for a Sustainable Environment		139	143	4	10.1201/9781003219156-13	wiley	978-100098391-3; 978-103211268-8	Scopus
3	Book chapter	Shrivastava M.; Goyal A.	Fundamentals and Industrial Applications of Modern Genetic Engineering	2024	Industrial Microbiology and Biotechnology: an Insight into Current Trends		35	52	17	10.1007/978-981-97-1912-9_3	Springer Nature	978-981971912-9; 978-981971911-2	Scopus
4	Book chapter	Mallick S.	Placing Science and Technology in Society: A Critical Reflection	2024	Roadmap for Humanities and Social Sciences in STEM Higher Education		25	34	9	10.1007/978-981-97-4275-2_2	Springer Nature	978-981974275-2; 978-981974274-5	Scopus
5	Book chapter	Paul T.; Sinharoy A.	Emerging Issues and Their Solutions Related to the Use of Sewage Sludge in Waste Treatment	2024	Application of Sewage Sludge in Industrial Wastewater Treatment		21	37	16	10.1002/9781119857396.ch2	wiley	978-111985739-6; 978-111985736-5	Scopus
6	Book chapter	Baruah J.B.	Role of porous coordination polymers as chemical and bio-sensors in the remediation of environmental contaminants	2024	Porous Coordination Polymers: From Fundamentals to Advanced Applications		65	99	34	10.1016/B978-0-323-95535-5.00004-3	Elsevier	978-032395535-5; 978-032395536-2	Scopus
7	Editorial	Haq I.; Kalamdhad A.S.; Khwairakpam M.	Preface	2024	Advancement in Solid Waste Management and Treatment		v	vi			Springer Nature	978-303164873-1; 978-303164872-4	Scopus
8	Book chapter	Chettri D.; Verma A.K.; Chirania M.; Verma A.K.	Optimization Strategies for Enhanced Production of Microbial Products	2024	Industrial Microbiology and Biotechnology: A New Horizon of the Microbial World		465	487	22	10.1007/978-981-97-6270-5_15	Springer Nature	978-981976270-5; 978-981976269-9	Scopus
9	Book chapter	Baidya S.; Anandalakshmi R.	Biopolymer-Based Nanocomposites for Active Food Packaging	2024	Smart Food Packaging Systems: Smart Food Packaging Systems		219	256	37	10.1002/9781394189595.ch9	wiley	978-139418959-5; 978-139418956-4	Scopus
10	Book chapter	Purkait M.K.; Das P.P.; Sharma M.	Electrocoagulation Based Treatment of Water and Wastewater: Overview and Applications	2024	Electrocoagulation Based Treatment of Water and Wastewater: Overview and Applications		1	266	265	10.1016/C2022-0-02852-X	Elsevier	978-044313892-8; 978-044313893-5	Scopus
11	Book chapter	Phad V.; Farhat Z.; Prasad A.; Kumar S.	Newer approaches for viral vaccine development	2024	Bioreactor Design Concepts for Viral Vaccine Production		389	399	10	10.1016/B978-0-443-15378-5.00021-8	Elsevier	978-044315378-5; 978-044315379-2	Scopus
12	Book chapter	Jadhav S.M.; Kumar K.	Biomarker Analysis for Alzheimer’s Disease	2024	Computational and Experimental Studies in Alzheimer’s Disease		71	90	19	10.1201/9781003412069-5	CRC Press	978-100385734-1; 978-103253007-9	Scopus
13	Book chapter	Devi C.; Khwairakpam M.	Biodegradable Waste Management Technologies to Mitigate Climate Change	2024	Waste Management in Climate Change and Sustainability Perspectives: Organic and Medical Waste		40	54	14	10.1201/9781003386902-4	CRC Press	978-104000430-2; 978-103243907-5	Scopus
14	Book chapter	Hegde M.; Girisa S.; Choudhary H.	Human organs-on-a-chip for cancer modeling	2024	Human Organs-on-a-Chip Technology		549	581	32	10.1016/B978-0-443-13782-2.00005-X	Elsevier	978-044313782-2; 978-044313783-9	Scopus
15	Book chapter	Deka S.; Punekar R.M.	RE-IMAGINING A MUSLIM COURTESAN AS A VIRANGANA VIS-À-VIS KENIZE MOURAD’S IN THE CITY OF GOLD AND SILVER	2024	Life Writing, Representation and Identity: Global Perspectives		49	62	13	10.4324/9781003422921-5	Taylor and Francis	978-104000369-5; 978-103240628-2	Scopus
16	Book chapter	Das P.P.; Purkait M.K.	Removal of industrial wastewater contaminants by ozonation process	2024	Environmental Approach to Remediate Refractory Pollutants from Industrial Wastewater Treatment Plant		75	89	14	10.1016/B978-0-443-13884-3.00025-1	Elsevier	978-044313884-3; 978-044313885-0	Scopus
17	Book chapter	Samanta N.S.; Das P.P.; Purkait M.K.	Performance of anammox process for wastewater treatment	2024	Anammox Process: Technological Advancement and Application in Industrial Wastewater Treatment Plant		25	44	19	10.1016/B978-0-443-19209-8.00008-9	Elsevier	978-044319209-8; 978-044319210-4	Scopus
18	Book chapter	Kumar K.; Khaire K.C.; Roy K.; Moholkar V.S.	Applications of Microbial Fermentation Technique for the Synthesis of Bioalcohols from Different Agrobiomasses	2024	Agricultural Biomass for the Synthesis of Value-Added Materials		92	121	29	10.1201/9781003407713-5	CRC Press	978-104011828-3	Scopus
19	Book chapter	Sharma S.; Ghosh T.; Mulchandani N.; Katiyar V.	Biodegradable Synthetic Poly(Lactic Acid) (PLA) for Food Packaging Application	2024	Agro-Waste Derived Biopolymers and Biocomposites: Innovations and Sustainability in Food Packaging		295	318	23		wiley	978-139417516-1; 978-139417455-3	Scopus
20	Book chapter	Sevda S.; Kumar S.	Introduction of bioreactor	2024	Bioreactor Design Concepts for Viral Vaccine Production		1	34	33	10.1016/B978-0-443-15378-5.00001-2	Elsevier	978-044315378-5; 978-044315379-2	Scopus
21	Book chapter	Jadhav S.M.; Mukherjee P.; Kumar K.; Moholkar V.S.	Application of Enzymatic Technique for the Synthesis of Bioalcohols From Different Agrobiomasses	2024	Agricultural Biomass for the Synthesis of Value-Added Materials		162	201	39	10.1201/9781003407713-8	CRC Press	978-104011828-3	Scopus
22	Book chapter	Kumari V.; Ganguly S.	Study of power distribution system resilience in the presence of e-mobility ecosystems	2024	E-Mobility in Electrical Energy Systems for Sustainability		112	141	29	10.4018/979-8-3693-2611-4.ch007	IGI Global	979-836932612-1; 979-836932611-4	Scopus
23	Book chapter	Mehta D.; Sevda S.; Kumar S.	Titration and dose calculation of vaccine stock	2024	Bioreactor Design Concepts for Viral Vaccine Production		311	324	13	10.1016/B978-0-443-15378-5.00017-6	Elsevier	978-044315378-5; 978-044315379-2	Scopus
24	Book chapter	Pratap S.; Saikia S.; Ito K.; Hazarika S.M.	Restoring Human Grasp Functionality Through Soft Hand Exoskeletons	2024	Intelligent Cyber-Physical Systems for Healthcare Solutions: From Theory to Practice		195	216	21	10.1007/978-981-97-8983-2_10	Springer Science+Business Media	978-981978983-2; 978-981978982-5	Scopus
25	Book chapter	Bhui B.; Pathak S.J.; Vairakannu P.	Effective Utilization of E-waste in Advanced Energy Technology Processes	2024	Electronic Waste Management: Policies, Processes, Technologies, and Impact		167	184	17		wiley	978-111989154-3; 978-111989151-2	Scopus
26	Book chapter	Katiyar V.; Mulchandani N.	Sustainability in thermoplastic elastomers: Bio-degradable thermoplastic elastomers	2024	Advances in Thermoplastic Elastomers: Challenges and Opportunities		511	527	16	10.1016/B978-0-323-91758-2.00007-6	Elsevier	978-032391758-2; 978-032398638-0	Scopus
27	Book chapter	Haq I.; Kalamdhad A.S.; Khwairakpam M.	Advancement in Solid Waste Management and Treatment	2024	Advancement in Solid Waste Management and Treatment		1	240	239	10.1007/978-3-031-64873-1	Springer Nature	978-303164873-1; 978-303164872-4	Scopus
28	Book chapter	Pavan S.S.; Sekhar S.; Kumar S.; Sivaprakasam S.	Bioprocess strategies for the efficient production of DNA vaccines	2024	Bioreactor Design Concepts for Viral Vaccine Production		325	351	26	10.1016/B978-0-443-15378-5.00018-8	Elsevier	978-044315378-5; 978-044315379-2	Scopus
29	Book chapter	Baishya H.; Sharma S.; Das Adhikari R.; Patel M.J.; Yadav D.; Alam M.; Iyer P.K.	Sustainable Devices for Electronic Applications	2024	Encyclopedia of Renewable Energy, Sustainability and the Environment: Volume 1-4	2	417	442	25	10.1016/B978-0-323-93940-9.00167-5	Elsevier	978-032393941-6; 978-032393940-9	Scopus
30	Book chapter	Shakya A.K.; De S.; Das C.	Eco-friendly wastewater management technologies and environmental impact	2024	Advanced Technologies in Wastewater Treatment: Waste Water Treatment of Leather Industry		63	92	29	10.1016/B978-0-443-13844-7.00005-4	Elsevier	978-044313844-7; 978-044313845-4	Scopus
31	Book chapter	Das D.; Bag S.; Pal S.	A phenomenological model for the prediction of defects in similar and dissimilar friction- stir-welding (FSW)	2024	Comprehensive Materials Processing: Volume 1-13, Second edition	6	V6:109	V6:122		10.1016/B978-0-323-96020-5.00081-9	Elsevier	978-032396021-2; 978-032396020-5	Scopus
32	Book chapter	Khatun M.N.; Chanu M.A.; Barman D.; Ghosh P.; Sarmah T.; Adil L.R.; Iyer P.K.	Sensors based on polymer nanomaterials	2024	Sensory Polymers: From their Design to Practical Applications		391	428	37	10.1016/B978-0-443-13394-7.00010-0	Elsevier	978-044313394-7; 978-044313407-4	Scopus
33	Book chapter	Duarah P.; Das P.P.; Purkait M.K.	Nanocellulose for Biotechnology and Medicinal Applications	2024	Nanobiotechnology: Applications of Nanomaterials in Biotechnology, Medicine and Healthcare		58	76	18	10.1201/9781003305583-3	CRC Press	978-104001573-5; 978-103230387-1	Scopus
34	Book chapter	Das P.P.; Dhara S.; Samanta N.S.; Purkait M.K.	Microbial fuel cell for wastewater treatment and energy recovery	2024	Development in Waste Water Treatment Research and Processes: Role of Environmental Microbiology in Industrial Wastewater Research		125	143	18	10.1016/B978-0-443-13609-2.00013-6	Elsevier	978-044313609-2; 978-044313610-8	Scopus
35	Book chapter	Anweshan; Das P.P.; Purkait M.K.	Electrochemical treatment of tannery/leather industrial effluent	2024	Advanced Technologies in Wastewater Treatment: Waste Water Treatment of Leather Industry		263	304	41	10.1016/B978-0-443-13844-7.00011-X	Elsevier	978-044313844-7; 978-044313845-4	Scopus
36	Book chapter	Bhattacharya S.; Bohara V.S.; Sevda S.; Kumar S.	Vaccine and vaccine types	2024	Bioreactor Design Concepts for Viral Vaccine Production		73	82	9	10.1016/B978-0-443-15378-5.00005-X	Elsevier	978-044315378-5; 978-044315379-2	Scopus
37	Book chapter	Rangan L.; Chetri B.K.; Senapati A.; Basak S.; Shelke R.G.	Plant DNA Analysis: Estimation of Nuclear DNA Content in Plant Homogenates	2024	Flow Cytometry: Principles, Applications, and Clinical Perspectives		155	179	24	10.1007/978-981-97-4553-1_10	Springer Singapore	978-981974553-1; 978-981974552-4	Scopus
38	Book chapter	Mondal K.; Katiyar V.	Pectin from Agro-Waste Residues for Food Packaging	2024	Agro-Waste Derived Biopolymers and Biocomposites: Innovations and Sustainability in Food Packaging		319	348	29	10.1002/9781394175161.ch12	wiley	978-139417516-1; 978-139417455-3	Scopus

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39	Book	Purkait M.K.; Sharma M.; Das P.P.; Chang C.-T.	Blue Energy Extraction Using Salinity Gradients: A Critical Evaluation of Case Studies	2024	Blue Energy Extraction Using Salinity Gradients: A Critical Evaluation of Case Studies		1	262	261	10.1016/C2022-0-02872-5	Elsevier	978-044321612-1; 978-044321613-8	Scopus
40	Book chapter	Balha M.; Pan S.C.	Synthesis of spirooxindoles and its derivatives using green and nanotechnology	2024	Spirooxindole: Chemistry, Synthesis, Characterization and Biological Significance		219	237	18	10.1016/B978-0-443-22324-2.00008-4	Elsevier	978-044322324-2; 978-044322325-9	Scopus
41	Book chapter	Kumar A.; Parama D.; Rana V.; Daimary U.D.; Girisa S.; Kunnumakkara A.B.	Personalized Medicine in Clinical Management of Breast Cancer: Where Do We Stand?	2024	Molecular Biomarkers for Cancer Diagnosis and Therapy		579	618	39	10.1007/978-981-99-3746-2_28	Springer Nature	978-981993746-2; 978-981993745-5	Scopus
42	Book chapter	Roy K.; Moholkar V.S.	Reaction kinetics of advanced oxidation processes	2024	Innovative and Hybrid Advanced Oxidation Processes for Water Treatment		13	31	18	10.1016/B978-0-443-14100-3.00012-0	Elsevier	978-044314100-3; 978-044314101-0	Scopus
43	Book chapter	Sinha A.K.; Myllichem E.; Singh B.K.; Joshi S.N.	Advances in laser-based micro and nano machining technologies	2024	Comprehensive Materials Processing: Volume 1-13, Second edition	10	V10:162	V10:179		10.1016/B978-0-323-96020-5.00245-4	Elsevier	978-032396021-2; 978-032396020-5	Scopus
44	Book chapter	Yadav V.; Biswas S.; Goyal A.	Enzymes of Industrial Significance and Their Applications	2024	Industrial Microbiology and Biotechnology: an Insight into Current Trends		277	308	31	10.1007/978-981-97-1912-9_11	Springer Nature	978-981971912-9; 978-981971911-2	Scopus
45	Book chapter	Ahmed G.; Kishore N.	The Co-Pyrolysis of Erythrina Indica and Azadirachta Indica in a Tubular Reactor	2024	Sustainability in Chemical Processes through Digitalization and Green Chemistry Approaches		71	80	9		Nova Science Publishers, Inc.	979-889113352-5; 979-889113257-3	Scopus
46	Book chapter	Samanta N.S.; Das P.P.; Dhara S.; Purkait M.K.	Nanotechnology in microbial electrochemical cells	2024	Development in Waste Water Treatment Research and Processes: Role of Environmental Microbiology in Industrial Wastewater Research		145	158	13	10.1016/B978-0-443-13609-2.00004-5	Elsevier	978-044313609-2; 978-044313610-8	Scopus
47	Book chapter	Ghosh A.; Kartha S.A.	Landfill Biomining of Legacy Waste Dumpsites in India: Process, Challenges and Future Perspective	2024	Environmental Engineering and Waste Management: Recent Trends and Perspectives		377	390	13	10.1007/978-3-031-58441-1_13	Springer Nature	978-303158441-1; 978-303158440-4	Scopus
48	Book chapter	Saikia S.; Kalamdhad A.S.	Innovative Pyrolysis Technologies for Thermochemical Processing of Municipal Solid Waste into Products with Enhanced Values	2024	Advancement in Solid Waste Management and Treatment		179	189	10	10.1007/978-3-031-64873-1_14	Springer Nature	978-303164873-1; 978-303164872-4	Scopus
49	Article	Sontakke A.D.; Tiwari S.; Purkait M.K.	Magnetic graphene oxide in analytical science	2024	Comprehensive Analytical Chemistry	106	597	627	30	10.1016/bs.coac.2024.04.001	Elsevier B.V.	978-044329642-0	Scopus
50	Book chapter	Chauhan A.S.; Sevda S.; Kumar S.	Role of virology in developing a bioreactor for newer vaccine production	2024	Bioreactor Design Concepts for Viral Vaccine Production		353	361	8	10.1016/B978-0-443-15378-5.00019-X	Elsevier	978-044315378-5; 978-044315379-2	Scopus
51	Book chapter	Ahmed J.; Goyal A.	Emerging Trends in Novel Technological Advancements in Oligosaccharide Production and Their Potential Applications as Prebiotics with Beneficial Effects	2024	Industrial Microbiology and Biotechnology: an Insight into Current Trends		153	174	21	10.1007/978-981-97-1912-9_8	Springer Nature	978-981971912-9; 978-981971911-2	Scopus
52	Book chapter	Wankawala D.H.; Shyam S.; Mondal P.K.	Droplet-based microfluidics in chemical applications	2024	Droplet and Digital Microfluidics: Ideation to Implementation		77	107	30	10.1016/B978-0-443-15416-4.00007-4	Elsevier	978-044315416-4; 978-044315417-1	Scopus
53	Book chapter	Sachan D.; Narayanan R.G.; Siddiquee A.N.	Summary of Efforts in Manufacturing of Sandwich Sheets by Various Joining Methods Including Solid-State Joining Method	2024	Friction Stir Welding and Processing: Fundamentals to Advancements		193	203	10	10.1002/9781394169467.ch13	wiley	978-139416946-7; 978-139416943-6	Scopus
54	Book chapter	Kumar K.; Mondal P.; Jadhav S.M.; Moholkar V.S.	Application of Enzymatic Technique for the Synthesis of Biodegradable Polymers from Different Agrobiomasses	2024	Agricultural Biomass for the Synthesis of Value-Added Materials		273	299	26	10.1201/9781003407713-12	CRC Press	978-104011828-3	Scopus
55	Book chapter	Sundaravadeivelu P.K.; Borthakur A.; Agrawal A.; Sen T.; Thummer R.P.	An Overview of the Generation of Integration-free Induced Pluripotent Stem Cells and Their Subsequent Differentiation into Cardiomyocytes and β-cells	2024	Stem Cell Biology: A Regenerative Tissue Perspective		95	149	54	10.1142/9789811294891_0005	World Scientific Publishing Co.	978-981129489-1; 978-981129488-4	Scopus
56	Book chapter	Talukdar H.; Pandit S.	Recent advances in microfluidics and environmental analysis	2024	Advances in Separation Sciences: Sustainable Processes and Technologies		329	344	15	10.1016/B978-0-323-95292-7.00015-3	Elsevier	978-032395292-7; 978-032395293-4	Scopus
57	Book chapter	Dhara S.; Samanta N.S.; Das P.P.; Purkait M.K.	Biological nitrogen removal and recovery from wastewater	2024	Development in Waste Water Treatment Research and Processes: Role of Environmental Microbiology in Industrial Wastewater Research		159	179	20	10.1016/B978-0-443-13609-2.00019-7	Elsevier	978-044313609-2; 978-044313610-8	Scopus
58	Book chapter	Hazra S.; Thakur M.S.; Patra S.	Enzymatic Biosensor Platforms for Infectious Disease Diagnosis: Focus on Tuberculosis and Neglected Tropical Diseases	2024	Enzyme-based Biosensors: Recent Advances and Applications in Healthcare		237	254	17	10.1007/978-981-15-6982-1_10	Springer Nature	978-981156982-1; 978-981156981-4	Scopus
59	Book chapter	Dhaked D.K.; Narayanan V.L.	Recent Trends in Medical Cyber-Physical System—A Brief Survey	2024	Intelligent Cyber-Physical Systems for Healthcare Solutions: From Theory to Practice		39	54	15	10.1007/978-981-97-8983-2_3	Springer Science+Business Media	978-981978983-2; 978-981978982-5	Scopus
60	Book chapter	Pottipati S.; Kalamdhad A.S.	Large-Scale Rotary Drum Composting for Urban Organic Waste Management	2024	Waste Management in Climate Change and Sustainability Perspectives: Organic and Medical Waste		115	128	13	10.1201/9781003386902-11	CRC Press	978-104000430-2; 978-103243907-5	Scopus
61	Book chapter	Pal S.; Saha K.; Pattnaik R.	Biochar Revisited: A Systematic and Critical Review on Coupling of Biochar with Anaerobic Digestion and Its Role in Bioenergy Production	2024	Agricultural Biomass for the Synthesis of Value-Added Materials		406	426	20	10.1201/9781003407713-18	CRC Press	978-104011828-3	Scopus
62	Book chapter	Negi B.B.; Sinharoy A.	A Detailed Overview of Anaerobic Digestion of Sewage Sludge with Different Process Intensification Strategies	2024	Application of Sewage Sludge in Industrial Wastewater Treatment		39	63	24	10.1002/9781119857396.ch3	wiley	978-111985739-6; 978-111985736-5	Scopus
63	Book chapter	Bora S.; Revathi V.; Das K.; Katiyar V.; Ghosh T.	Nanotechnology in functional food developments	2024	Advancements in Nanotechnology for Food and Packaging		133	157	24	10.1016/B978-0-443-21428-8.00006-0	Elsevier	978-044321428-8; 978-044321427-1	Scopus
64	Book chapter	Sathyan A.; Khwairakpam M.; Kalamdhad A.S.	Biogas Purification and Upgradation: Conventional and Contemporary Technologies	2024	Advancement in Solid Waste Management and Treatment		201	212	11	10.1007/978-3-031-64873-1_16	Springer Nature	978-303164873-1; 978-303164872-4	Scopus
65	Book chapter	Saha A.; Sreedeeep S.; Manna U.	Role of Biopolymers and Their Composites in Sustainable Agriculture: Recent Developments and Future Perspectives	2024	Applications of Biopolymers in Science, Biotechnology, and Engineering		57	87	30		wiley	978-111978347-3; 978-111978344-2	Scopus
66	Book chapter	Bohara V.S.; Bora N.R.; Sevda S.; Kumar S.	Development of a new vaccine at the laboratory scale	2024	Bioreactor Design Concepts for Viral Vaccine Production		83	113	30	10.1016/B978-0-443-15378-5.00006-1	Elsevier	978-044315378-5; 978-044315379-2	Scopus
67	Book chapter	Sahel D.K.; Hejmady S.; Sharma M.; Bhuyan T.; Maity S.; Gangarade A.; Pukale S.; Khan S.; Deka S.; Kirane A.; Sharma S.	Biomimicry in drug delivery: Why, how, and what?	2024	Advances in Drug Delivery Systems for Healthcare: From concept to clinic		5			10.1088/978-0-7503-5613-8ch5	Institute of Physics Publishing	978-075035615-2; 978-075035611-4	Scopus
68	Book chapter	Dar M.R.; Ganguly S.	Voltage control of EV-Enabled future power distribution networks	2024	E-Mobility in Electrical Energy Systems for Sustainability		156	198	42	10.4018/979-8-3693-2611-4.ch009	IGI Global	979-836932612-1; 979-836932611-4	Scopus
69	Book chapter	Kumar A.; Narayanan R.G.; Muthu N.	A preliminary investigation on friction stir spot welding of honeycomb core sandwich sheet with disc insert	2024	Comprehensive Materials Processing: Volume 1-13, Second edition	6	V6:97	V6:108		10.1016/B978-0-323-96020-5.00175-8	Elsevier	978-032396021-2; 978-032396020-5	Scopus
70	Book chapter	Kumari S.V.G.; Pakshirajan K.; Pugazhenthii G.	Freshness Indicator in Intelligent Food Packaging System	2024	Smart Food Packaging Systems: Smart Food Packaging Systems		361	386	25	10.1002/9781394189595.ch14	wiley	978-139418959-5; 978-139418956-4	Scopus
71	Book chapter	Mukherjee P.; Sivaprakasam S.; Sekharan S.	Bacterial Cellulose Synthesis, Characterization, and Its Application in Food Packaging/Functional Foods	2024	Food Coatings and Preservation Technologies		611	642	31	10.1002/9781394237623.ch18	wiley	978-139423762-3; 978-139423758-6	Scopus
72	Book chapter	Vanarse V.B.; Parmar P.R.; Bandyopadhyay D.	Information and communication technology-linked applications in the food industry	2024	Utilizing Microfluidics in the Food Industry: Applications and Techniques		333	362	29	10.1016/B978-0-443-13453-1.00017-6	Elsevier	978-044313453-1; 978-044313454-8	Scopus
73	Book chapter	Das A.	Telling the "untellable": Mapping trauma through spatial negotiations in Munnu: A Boy from Kashmir	2024	Articulating Childhood Trauma: In the Context of War, Sexual Abuse and Disability		23	36	13	10.4324/9781032710600-3	Taylor and Francis	978-100385544-6; 978-103270529-3	Scopus
74	Book chapter	Dhara S.; Das P.P.; Baite T.N.; Purkait M.K.	Effect of operational conditions on anammox bacterial community	2024	Anammox Process: Technological Advancement and Application in Industrial Wastewater Treatment Plant		1	24	23	10.1016/B978-0-443-19209-8.00005-3	Elsevier	978-044319209-8; 978-044319210-4	Scopus
75	Book chapter	Jyoti; Khwairakpam M.	Microbial Fortification to Enhance the Disease-Suppressive Ability of Compost	2024	Advancement in Solid Waste Management and Treatment		191	199	8	10.1007/978-3-031-64873-1_15	Springer Nature	978-303164873-1; 978-303164872-4	Scopus

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76	Book chapter	Boddepalli U.; Gandhi I.S.R. Panda B.	State-of-the-art review on foam concrete properties and new trends of application in infrastructure	2024	Sustainable Materials in Civil Infrastructure		3	24	21	10.1016/B978-0-443-16142-1.00001-X	Elsevier	978-044316142-1; 978-044316143-8	Scopus
77	Article	Sontakke A.D.; Tiwari S.; Purkait M.K.	Surface modifications of graphene oxide nanomaterials for analytical applications	2024	Comprehensive Analytical Chemistry	106	1	37	36	10.1016/bs.coac.2024.04.002	Elsevier B.V.	978-044329642-0	Scopus
78	Book chapter	Das P.P.; Dhara S.; Purkait M.K.	Ozone-based oxidation processes for the removal of pharmaceutical products from wastewater	2024	Development in Wastewater Treatment Research and Processes: Emerging Technologies for Removal of Pharmaceuticals and Personal Care Products: State of the Art, Challenges and Future Perspectives		287	308	21	10.1016/B978-0-443-19207-4.00003-3	Elsevier	978-044319207-4; 978-044319208-1	Scopus
79	Book chapter	Nag S.; Bhatt M.; Ghosh S.; Dey A.; Paul S.; Dutta S.; Mohanto S.; Jaswanth Gowda B.H.; Ahmed M.G.	Drug delivery for neurological disorders using nanotechnology	2024	Theranostic Applications of Nanotechnology in Neurological Disorders		135	165	30	10.1007/978-981-99-9510-3_7	Springer	978-981999510-3; 978-981999509-7	Scopus
80	Book chapter	Babu N.M.; Mishra A.K.	Influence of Lead and Hexavalent Chromium Concentrations on Geotechnical Properties of Black Cotton Soil	2024	Advancement in Solid Waste Management and Treatment		75	84	9	10.1007/978-3-031-64873-1_6	Springer Nature	978-303164873-1; 978-303164872-4	Scopus
81	Book chapter	R. S.; Chakraborty T.; Bhat S.; Nofal G.; Hazra S.; Patra S.	Enzymatic biosensors	2024	Fundamentals of Biosensors in Healthcare: Volume 1		373	404	31	10.1016/B978-0-443-21658-9.00017-6	Elsevier	978-044321658-9; 978-044321659-6	Scopus
82	Book chapter	Senapati K.K.	Safety, toxicity, and life cycle assessments of biocomposites	2024	Advances in Biocomposites and their Applications		345	363	18	10.1016/B978-0-443-19074-2.00012-5	Elsevier	978-044319074-2; 978-044319075-9	Scopus
83	Book chapter	Afzia N.; Prasannavenkadesan V.; Katiyar V.; Ghosh T.	Biodegradable foams for food packaging	2024	Sustainable Materials for Food Packaging and Preservation: Food Security and Sustainability		301	316	15	10.1016/B978-0-443-13567-5.00014-9	Elsevier	978-044313567-5; 978-044313568-2	Scopus
84	Book chapter	Anand A.; Umesh; Moholkar V.S.	Biohydrogen production from microbial fermentation of organic wastes	2024	Emerging Biofuels: Stationary and Mobile Applications		27	52	25	10.1016/B978-0-323-99547-4.00011-3	Elsevier	978-032399547-4; 978-032399559-7	Scopus
85	Book chapter	Bose S.; Shakya A.K.; Das C.	Membrane-Based Enzymatic Technique for the Synthesis and Purification of Bioalcohols from Agrobiomass: A Review	2024	Agricultural Biomass for the Synthesis of Value-Added Materials		346	375	29	10.1201/9781003407713-15	CRC Press	978-104011828-3	Scopus
86	Book chapter	Dam B.; Chakraborty N.; Patel B.K.	Nanotechnology An Important Tool for Wastewater Treatment	2024	Application of Nanotechnology for Resource Recovery from Wastewater		1	18	17	10.1201/9781003176350-1	CRC Press	978-100385980-2; 978-103200913-1	Scopus
87	Book chapter	Idrishi R.; Singha S.; Rangan L.	Nutritional quality, phytochemistry and health benefits of pigmented rice	2024	Pigmented Grains: Nutritional Properties, Bioactive Potential, and Food Application		71	92	21	10.1016/B978-0-443-15906-0.00018-8	Elsevier	978-044315906-0; 978-044315907-7	Scopus
88	Book chapter	Udaya Kumar D.	Our journey in design education and research A case study of IIT Guwahati	2024	Perspectives on Design Education in India and Asia		33	41	8	10.4324/9781032673554-6	Taylor and Francis	978-104027089-9; 978-103267352-3	Scopus
89	Book chapter	Hegde M.; Mishra A.; Kunnumakkara A.B.; Aggarwal B.B.	Bioprospecting Nutraceuticals for Human Welfare	2024	Biodiversity and Business: Bio Prospecting and Benefit Sharing		269	326	57	10.1007/978-3-031-71674-4_16	Springer Nature	978-303171674-4; 978-303171673-7	Scopus
90	Book chapter	Praneetha Y.; Pandey L.M.	SUSTAINABLE MANAGEMENT OF MUNICIPAL SOLID WASTE BY A COMBINATION OF BIOLOGICAL AND CHEMICAL PROCESS APPROACHES	2024	Solid Waste Management: Volume 2 - Biological/Biochemical Approaches		133	146	13	10.1201/9781003229919-8	CRC Press	978-104004367-7; 978-103213568-7	Scopus
91	Book chapter	Das P.P.; Baite T.N.; Purkait M.K.	Industrial wastewater treatment by electrocoagulation process	2024	Environmental Approach to Remediate Refractory Pollutants from Industrial Wastewater Treatment Plant		55	73	18	10.1016/B978-0-443-13884-3.00019-6	Elsevier	978-044313884-3; 978-044313885-0	Scopus
92	Book chapter	Tarun G.; Risha H.; Sanjukta P.	Antibiotic Pollution: Toxicity Assessment and Bioremediation Strategies	2024	Environmental Nexus Approach: Management of Water, Waste, and Soil		154	173	19	10.1201/9781003408352-12	CRC Press	978-104011548-0; 978-103245029-2	Scopus
93	Book chapter	Panda S.; Ganguly S.	Optimal network reconfiguration for efficient EV integration in the smart grid-enabled power distribution networks	2024	E-Mobility in Electrical Energy Systems for Sustainability		199	226	27	10.4018/979-8-3693-2611-4.ch010	IGI Global	979-836932612-1; 979-836932611-4	Scopus
94	Book chapter	Verma A.K.; Chettri D.; Verma A.K.	Potential of Genetic Engineering Methods for Enhanced Biofuel Production	2024	Industrial Microbiology and Biotechnology: A New Horizon of the Microbial World		381	403	22	10.1007/978-981-97-6270-5_12	Springer Nature	978-981976270-5; 978-981976269-9	Scopus
95	Book	Patra S.; Kundu D.; Gogoi M.	Enzyme-based Biosensors: Recent Advances and Applications in Healthcare	2024	Enzyme-based Biosensors: Recent Advances and Applications in Healthcare		1	358	357	10.1007/978-981-15-6982-1	Springer Nature	978-981156982-1; 978-981156981-4	Scopus
96	Book chapter	Gupta A.; Kumar S.	Characterization of cultured animal cells	2024	Bioreactor Design Concepts for Viral Vaccine Production		141	157	16	10.1016/B978-0-443-15378-5.00008-5	Elsevier	978-044315378-5; 978-044315379-2	Scopus
97	Book	Purkait M.K.; Mondal P.; Samanta N.S.; Das P.P.	Waste-based Zeolite: Synthesis and Environmental Applications	2024	Waste-Based Zeolite: Synthesis and Environmental Applications		1	274	273	10.1016/C2023-0-00582-9	Elsevier	978-044322316-7; 978-044322317-4	Scopus
98	Book chapter	Nandy S.; Sevda S.; Kumar S.	Vaccines against DNA viruses	2024	Bioreactor Design Concepts for Viral Vaccine Production		223	232	9	10.1016/B978-0-443-15378-5.00012-7	Elsevier	978-044315378-5; 978-044315379-2	Scopus
99	Book chapter	Hegde M.; Girisa S.; Harsha C.	Primary cell culture for organ-on-a-chip	2024	Human Organs-on-a-Chip Technology		175	197	22	10.1016/B978-0-443-13782-2.00012-7	Elsevier	978-044313782-2; 978-044313783-9	Scopus
100	Book	Mittal M.; Narayan J.	Intelligent Cyber-Physical Systems for Healthcare Solutions: From Theory to Practice	2024	Intelligent Cyber-Physical Systems for Healthcare Solutions: From Theory to Practice		1	483	482	10.1007/978-981-97-8983-2	Springer Science+Business Media	978-981978983-2; 978-981978982-5	Scopus
101	Book chapter	Samanta N.S.; Mondal P.; Purkait M.K.	Nanofiltration technique for the treatment of industrial wastewater	2023	Advanced Application of Nanotechnology to Industrial Wastewater		165	190	25	10.1007/978-981-99-3292-4_9	Springer Nature	978-981993292-4; 978-981993291-7	Scopus
102	Book chapter	Chakma B.; Jain P.; Goswami P.	Protein-Based Biomarkers for the Diagnosis of Malaria in Point-of-Care Settings	2024	Enzyme-based Biosensors: Recent Advances and Applications in Healthcare		217	235	18	10.1007/978-981-15-6982-1_9	Springer Nature	978-981156982-1; 978-981156981-4	Scopus
103	Book chapter	Rather A.M.; Dar A.H.; Shah U.H.; Shome A.; Borbora A.	Cellulose-Based Nanomaterials in Energy Conversion/Storage Devices	2024	Green Nanomaterials in Energy Conversion and Storage Applications		119	144	25	10.1201/9781003398578-6	Apple Academic Press	978-100089023-5; 978-177491388-8	Scopus
104	Book	Nanda S.; Dalai A.K.; Goud V.V.	Emerging Biofuels: Stationary and Mobile Applications	2024	Emerging Biofuels: Stationary and Mobile Applications		1	238	237	10.1016/C2021-0-01788-0	Elsevier	978-032399547-4; 978-032399559-7	Scopus
105	Book chapter	Das D.; Saha S.C.; Biswas P.; Mitra J.	Grey relational analysis based on taguchi for optimization of bead geometry and process variables in tungsten inert gas bead-on-plate welding	2023	Optimization Methods for Engineering Problems		281	302	21		Apple Academic Press	978-100060895-3; 978-177491130-3	Scopus
106	Book chapter	Lakshmi S.; Ganguly S.	A review of smart grid planning approaches and a new proposal for operational planning of smart grid with smart homes	2023	Applications of Big Data and Artificial Intelligence in Smart Energy Systems: Smart Energy System: Design and its State-of-The Art Technologies	1	127	159	32		River Publishers	978-877022824-4; 978-877022825-1	Scopus
107	Book chapter	Akash D.; Avishek D.	Molecular mechanism of abiotic stress regulation in crop plants	2024	Nanotechnology for Abiotic Stress Tolerance and Management in Crop Plants		23	39	16	10.1016/B978-0-443-18500-7.00002-8	Elsevier	978-044318500-7; 978-044318501-4	Scopus
108	Book chapter	Thakur D.; Thi Tran N.H.; Nguyen P.K.T.; Devi N.B.; Kosame S.; Ta Q.T.H.; Chhantyal A.K.; Truong T.T.	Advanced nanostructures for energy applications	2024	Advances in Nanostructures: Processing and Methodology to Grow Nanostructures		325	375	50	10.1016/B978-0-443-13819-5.00013-6	Elsevier	978-044313819-5; 978-044314026-6	Scopus
109	Book chapter	Idrishi R.; Ahmad S.	Safety aspects of functional foods in the industry: An overview	2023	Plant-Based Bioactive Compounds and Food Ingredients: Encapsulation, Functional, and Safety Aspects		287	306	19		Apple Academic Press	978-100084514-3; 978-177491291-1	Scopus
110	Book chapter	Lalthlansanga C.; Pottipati S.; Mohanty B.; Kalamdhad A.S.	Evaluation of the Impact of Sawdust on Maturity and Stability in Rotary Drum Composting to Improve Swine Waste Composting	2024	Advancement in Solid Waste Management and Treatment		213	225	12	10.1007/978-3-031-64873-1_17	Springer Nature	978-303164873-1; 978-303164872-4	Scopus
111	Book chapter	Roy K.; Moholkar V.S.	Mechanistic modeling of advanced oxidation processes	2024	Innovative and Hybrid Advanced Oxidation Processes for Water Treatment		33	52	19	10.1016/B978-0-443-14100-3.00003-X	Elsevier	978-044314100-3; 978-044314101-0	Scopus
112	Book chapter	Bora R.; Chutia H.; Monika; Changmai M.; Mahanta C.L.; Katiyar V.; Ghosh T.	Natural Fiber–Based Composite for Food Packaging	2024	Agro-Waste Derived Biopolymers and Biocomposites: Innovations and Sustainability in Food Packaging		33	68	35		wiley	978-139417516-1; 978-139417455-3	Scopus
113	Book chapter	Das A.; Mohanty K.	Ultrasound based integrated technique for production of sustainable bio-crude from domestic sewage sludge for biorefinery	2023	Ultrasound Technology for Fuel Processing		98	129	31		Bentham Science Publishers	978-981504984-8; 978-981504985-5	Scopus

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114	Book chapter	Khaund C.; Mahanta S.	Predicting reading development in assamese primary school children with accuracy and fluency tasks	2023	Developmental Language Disorders in Childhood and Adolescence		145	156	11	10.4018/979-8-3693-0644-4.ch011	IGI Global	979-836930645-1; 979-836930644-4	Scopus
115	Book chapter	Duarah P.; Das P.P.; Purkait M.K.	Technological advancement in the synthesis and application of nanocatalysts	2023	Advanced Application of Nanotechnology to Industrial Wastewater		191	214	23	10.1007/978-981-99-3292-4_10	Springer Nature	978-981993292-4; 978-981993291-7	Scopus
116	Book chapter	Sahu P.K.; Nanda C.P.; Das J.; Shi Q.	Multi-response optimisation of process parameters in friction stir additive manufacturing of magnesium alloy	2023	Smart Technologies for Improved Performance of Manufacturing Systems and Services		133	150	17	10.1201/9781003346623-9	CRC Press	978-100095913-0; 978-103238689-8	Scopus
117	Book chapter	Nayak R.; Brahma K.; Sonika; Verma S.K.; Dewangan M.K.	Polymer nanocomposite material for energy storage application	2023	Dielectric Materials for Energy Storage and Energy Harvesting Devices		53	80	27		River Publishers	978-877004000-6; 978-877004001-3	Scopus
118	Book	Sevda S.; Kumar S.	Bioreactor Design Concepts for Viral Vaccine Production	2024	Bioreactor Design Concepts for Viral Vaccine Production		1	462	461	10.1016/C2022-0-01270-8	Elsevier	978-044315378-5; 978-044315379-2	Scopus
119	Book chapter	Komal U.K.; Yadav M.; Siddiqui A.H.; Dewangan M.K.	4D printing of composites: Challenges, opportunities, and paths to commercialization	2024	4D Printing of Composites: Methods and Applications		111	138	27	10.1016/B978-0-443-21518-6.00001-6	Elsevier	978-044321518-6; 978-044321517-9	Scopus
120	Book chapter	Phalke S.S.; Shrivastava A.	Directions to design assistive digital aid for the children living with attention deficit hyperactivity disorder	2023	Exergaming Intervention for Children, Adolescents, and Elderly People		93	107	14	10.4018/978-1-6684-6320-8.ch007	IGI Global	978-166846322-2; 978-166846320-8	Scopus
121	Book chapter	Deepti; Anweshan; Dhara S.; Purkait M.K.	Membrane and disinfection technologies for industrial wastewater treatment	2023	Industrial Wastewater Reuse: Applications, Prospects and Challenges		89	112	23	10.1007/978-981-99-2489-9_5	Springer Nature	978-981992489-9; 978-981992488-2	Scopus
122	Book chapter	Kumar K.; Hegde S.; Ramykrishna A.R.; Anweshan; Moholkar V.S.	Application of Microbial Technique for the Synthesis of Organic Acid from Different Agrobiomasses	2024	Agricultural Biomass for the Synthesis of Value-Added Materials		202	236	34	10.1201/9781003407713-9	CRC Press	978-104011828-3	Scopus
123	Book chapter	Patwa R.; Das D.; Kaushik G.	Fate and occurrence of microplastic and nanoplastic pollution in industrial	2023	Microbial Degradation and Detoxification of Pollutants		251	275	24	10.1515/9783110743623-013	De Gruyter	978-311074362-3; 978-311074327-2	Scopus
124	Book chapter	Parmar P.R.; Dubey S.; Ghoshal T.; Bhuyan T.; Bandyopadhyay D.	Commercialization, challenges, and the future of microfluidics devices	2024	Utilizing Microfluidics in the Food Industry: Applications and Techniques		363	390	27	10.1016/B978-0-443-13453-1.00018-8	Elsevier	978-044313453-1; 978-044313454-8	Scopus
125	Book chapter	Das R.; Burnase N.; Suryawanshi N.; Barapatre A.; Kumar B.	Infliction of Antibiotic Resistance in the Environment: Challenges and Outlook	2024	Antimicrobials in Environment		76	105	29	10.1201/9781003268925-7	CRC Press	978-104018399-1; 978-103221549-5	Scopus
126	Book chapter	Srivastava A.K.; Saxena S.; Sonika; Verma S.K.	Energy harvesting from conducting nanocomposites	2023	Recent Advances in Energy Harvesting Technologies		177	207	30		River Publishers	978-877022880-0; 978-877022845-9	Scopus
127	Book	Bose S.; Das C.	Introduction to Ceramics: Fabrication, Characterizations, and Applications	2024	Introduction to Ceramics: Fabrication, Characterizations, and Applications		1	456	455	10.1201/9781003470571	CRC Press	978-104001965-8	Scopus
128	Book chapter	Rizvi S.M.A.A.; Poddar C.; Fatima I.	Social Responsibility in Indian Organizations: Developments Since Independence	2024	Fresh Perspectives on India's Organizational Dimension		107	119	12	10.1142/9789811296444_0005	World Scientific Publishing Co.	978-981129644-4; 978-981129643-7	Scopus
129	Book chapter	Keshavamurthy K.	Precarious lives, fraught selves: Tirunangai autobiographies in Tamil	2023	The Queer and the Vernacular Languages in India: Studies in Contemporary Texts and Cultures		87	104	17	10.4324/9781003440536-7	Taylor and Francis	978-100096334-2; 978-103257686-2	Scopus
130	Book chapter	Arora R.; Kumar B.; Jha H.	Antimicrobial Resistance and Multiple Drug Resistance in Microorganisms: Source, Evolution, and Mitigation Approaches for Preventing Health Hazards	2024	Antimicrobials in Environment		119	143	24	10.1201/9781003268925-9	CRC Press	978-104018399-1; 978-103221549-5	Scopus
131	Book chapter	Chand B.; Kaushik H.B.; Das S.	Sustainability of traditional Assam-type wooden houses in earthquake prone region	2024	Sustainable Materials in Civil Infrastructure		235	248	13	10.1016/B978-0-443-16142-1.00014-8	Elsevier	978-044316142-1; 978-044316143-8	Scopus
132	Book chapter	Das P.P.; Sontakke A.D.; Samanta N.S.; Purkait M.K.	Emerging contaminants in wastewater: Eco-toxicity and sustainability assessment	2023	Industrial Wastewater Reuse: Applications, Prospects and Challenges		63	87	24	10.1007/978-981-99-2489-9_4	Springer Nature	978-981992489-9; 978-981992488-2	Scopus
133	Book chapter	Khaire K.C.; Mehariya S.; Kumar B.	Valorization of Municipal Solid Wastes in Circular Economy	2024	Waste Management in the Circular Economy		35	53	18	10.1007/978-3-031-42426-7_3	Springer International Publishing	978-303142426-7; 978-303142425-0	Scopus
134	Book chapter	Bora S.; Das K.; Saini P.; Katiyar V.; Ghosh T.	Application of nanoemulsion for improving quality and safety of fruits and vegetables	2024	Advancements in Nanotechnology for Food and Packaging		53	78	25	10.1016/B978-0-443-21428-8.00003-5	Elsevier	978-044321428-8; 978-044321427-1	Scopus
135	Book chapter	Kumar R.; Sharma F.; Bhowmik S.; Asdaque P.M.G.B.	Recent trends in coconut coir fibre-reinforced composite material	2024	Composites: Modeling and Manufacturing		101	125	24	10.1201/9781003564355-7	CRC Press	978-104026099-9; 978-103274457-5	Scopus
136	Book chapter	Mallampati S.C.; Raghavendra G.; Niranjan Kumar M.S.R.; Ammulu M.A.; Suresh Babu V.	Hybrid composites: a promising approach for potential polymeric composite design	2024	Sustainable Fillers/Plasticizers for Polymer Composites: Promising Resources		415	435	20	10.1016/B978-0-443-15630-4.00016-6	Elsevier	978-044315630-4; 978-044315631-1	Scopus
137	Book chapter	Shome A.; Dasa A.; Manna U.	Self-healing superhydrophobic coatings	2023	Advances in Superhydrophobic Coatings		403	424	21		RSC	978-183767003-1; 978-183916786-7	Scopus
138	Book chapter	Majhi S.; Chaudhuri D.S.; Rajpurohit S.; Roy A.; Dey A.; Ghosh S.	Transposable element derived non-coding RNA and its significance	2024	Non-coding RNA in Plants: Modulation and Stress Responses		163	186	23	10.1016/B978-0-443-21784-5.00002-2	Elsevier	978-044321784-5; 978-044321785-2	Scopus
139	Book chapter	Thounaojam N.; Devkar G.; Laishram B.	Contractual and relational governance for sustainability: Case study of a PPP megaproject in India	2023	Research Handbook on the Governance of Projects		150	160	10		Edward Elgar Publishing Ltd.	978-180220807-8; 978-180220806-1	Scopus
140	Book chapter	Agarwal S.; Upmon Y.; Zubair M.; Naik Mudavath U.K.	A robust peak detection algorithm for localization and classification of heart sounds in PCG signals	2024	Signal Processing Driven Machine Learning Techniques for Cardiovascular Data Processing		81	97	16	10.1016/B978-0-44-314141-6.00011-6	Elsevier	978-044314141-6; 978-044314140-9	Scopus
141	Book chapter	Banerjee A.; Chah C.N.; Katiyar V.; Sreedeeep S.	Precision Metagenomics in a Low-End Computation Infrastructure: A Tool to Augment Research on Bioremediation of Plastic and Microplastic Contamination	2023	ACS Symposium Series	1459	125	140	15	10.1021/bk-2023-1459.ch008	American Chemical Society		Scopus
142	Book chapter	Kharmylliem B.; Kipgen N.	Local institutions, urban water governance and future challenges: A case study of shillong	2023	Routledge Readings on Security and Governance in Northeastern India: Resource Conflicts, Militarisation and Development Challenges		79	93	14	10.4324/b23112-7	Taylor and Francis	978-100068564-0; 978-103227024-1	Scopus
143	Book	Tikadar S.; Liu H.; Bhattacharya P.; Bhattacharya S.	Humanizing Technology With Emotional Intelligence	2024	Humanizing Technology With Emotional Intelligence		1	558	557	10.4018/979-8-3693-7011-7	IGI Global	979-836937013-1; 979-836937011-7	Scopus
144	Book chapter	Barman P.; Dutta L.; Bordoloi S.; Sarma M.P.; Kalita A.; Bharali S.; Azzopardi B.	Sustainable Mobility: Clean Energy Integration with Electric Vehicle Technology	2024	Sustainable Mobility: Policies, Challenges and Advancements		1	28	27	10.1002/9781394166831.ch1	wiley	978-139416683-1; 978-139416614-5	Scopus
145	Book chapter	Das M.; Sarmah H.S.; Murari H.; Ghosh S.	Modeling and Simulation of Electrochemical, Thermoelectric, and Magnetic Properties of MXenes	2023	ACS Symposium Series	1442	143	168	25	10.1021/bk-2023-1442.ch006	American Chemical Society		Scopus
146	Book chapter	Bhattacharyya R.; Bhowmick A.; Hazarika S.M.	Visual Affordance Recognition: A Study on Explainability and Interpretability for Human Robot Interaction	2024	Discovering the Frontiers of Human-Robot Interaction: Insights and Innovations in Collaboration, Communication, and Control		287	307	20	10.1007/978-3-031-66656-8_12	Springer Nature	978-303166656-8; 978-303166655-1	Scopus
147	Book chapter	Mondal S.; Sharma B.; Majumdar A.; Tiwari S.; Maurya P.K.; Gupta A.; Singh S.P.; Singh P.	Sample Preparation and Visualization Protocol for Electron Microscopy–Based Analysis of Cyanobacteria	2024	Methods in Cyanobacterial Research		170	181	11	10.1201/9781003398387-21	CRC Press	978-104002908-4; 978-103249834-8	Scopus
148	Book chapter	Sharma M.; Das P.P.; Jadhav D.A.; Purkait M.K.; Ghangrekar M.M.	Scaling-up of bioelectrochemical process for simultaneous wastewater treatment and energy extraction	2024	Advances in Environmental Electrochemistry		123	141	18	10.1016/B978-0-443-18820-6.00007-2	Elsevier	978-044318820-6; 978-044318821-3	Scopus
149	Book chapter	Tanwar A.; Mukherjee D.; Kumar K.; Moholkar V.S.	Application of Microbial Fermentation Technique for the Synthesis of Fermentable Sugars from Different Agrobiomasses	2024	Agricultural Biomass for the Synthesis of Value-Added Materials		44	71	27	10.1201/9781003407713-3	CRC Press	978-104011828-3	Scopus
150	Book chapter	Jyoti De A.; Ghosh B.; Chatterjee N.; Chakrabarty S.; Basu S.; Naser S.S.; Verma S.K.	Regulation of head and neck tumor microenvironment by microRNAs	2024	Diagnostic, Prognostic, and Therapeutic Role of MicroRNAs in Head and Neck Cancer		127	155	28	10.1016/B978-0-443-15968-8.00008-9	Elsevier	978-044315968-8; 978-044315969-5	Scopus
151	Book chapter	Sandhu K.; Bhadra S.; Chockalingam S.; Kumar S.; Sevda S.	Animal cell culture in vaccine production	2024	Bioreactor Design Concepts for Viral Vaccine Production		115	139	24	10.1016/B978-0-443-15378-5.00007-3	Elsevier	978-044315378-5; 978-044315379-2	Scopus

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152	Book chapter	Bhushan S.; Jayakrishnan U.; Raychaudhuri S.; Simsek H.	Extremophile: Biofilm behavior, characterization and economical applications	2023	Extremophiles: Wastewater and Algal Biorefinery		243	276	33		CRC Press	978-100333522-1; 978-103237080-4	Scopus
153	Book chapter	Younis S.; Narayan J.; Mittal M.	Human-Robot Interaction in Lower Limb Rehabilitation: A Scoping Review	2024	Intelligent Cyber-Physical Systems for Healthcare Solutions: From Theory to Practice		217	236	19	10.1007/978-981-97-8983-2_11	Springer Science+Business Media	978-981978983-2; 978-981978982-5	Scopus
154	Book chapter	Pandiselvam R.; Prithviraj V.; Rubeka; Gomathy K.; Babu A.C.; Jacob A.	Chemistry of ozone processing	2024	Chemistry of Thermal and Non-Thermal Food Processing Technologies		289	311	22	10.1016/B978-0-443-22182-8.00014-0	Elsevier	978-044322182-8; 978-044322183-5	Scopus
155	Editorial	Moholkar V.S.	Foreword I	2023	Ultrasound Technology for Fuel Processing		i				Bentham Science Publishers	978-981504984-8; 978-981504985-5	Scopus
156	Book chapter	Ghoshal T.; Parmar P.R.; Maity S.; Bhuyan T.	Unconventional role of 2D graphene-based nanomaterials and their composites in crop improvement and novel fertilizers application	2024	Carbon-Based Nanomaterials in Biosystems: Biophysical Interface at Lower Dimensions		243	268	25	10.1016/B978-0-443-15508-6.00007-5	Elsevier	978-044315508-6; 978-044315509-3	Scopus
157	Book chapter	Ghoshal T.; Parmar P.R.; Bhuyan T.; Bandyopadhyay D.	Polystyrene Foams: Materials, Technology, and Applications	2023	ACS Symposium Series	1439	121	141	20	10.1021/bk-2023-1439.ch006	American Chemical Society		Scopus
158	Book chapter	Sahu P.K.; Bhengra A.; Das J.	An approach to friction stir additive manufacturing of light weight metal alloys	2023	Smart Technologies for Improved Performance of Manufacturing Systems and Services		95	118	23	10.1201/9781003346623-7	CRC Press	978-100095913-0; 978-103238689-8	Scopus
159	Book chapter	Afzia N.; Das K.; Revathi V.; Katiyar V.; Ghosh T.	Nanocomposites in food packaging	2024	Advancements in Nanotechnology for Food and Packaging		191	228	37	10.1016/B978-0-443-21428-8.00008-4	Elsevier	978-044321428-8; 978-044321427-1	Scopus
160	Book chapter	Nag S.; Ghosh S.; Dey A.; Paul S.; Raveendra R.P.	Therapeutic Impact of Exosomes on Huntington's Disease	2024	Exosomes Based Drug Delivery Strategies for Brain Disorders		123	145	22	10.1007/978-981-99-8373-5_5	Springer Nature	978-981998373-5; 978-981998372-8	Scopus
161	Book	Panda B.; Shakor P.; Laghi V.	Additive manufacturing for construction	2023	Additive Manufacturing for Construction		1	240	239		Emerald Group Publishing Ltd.	978-072776642-7; 978-072776641-0	Scopus
162	Book chapter	Nag R.; Makut B.B.; Majhi P.; Samantaray S.M.	Microalgae: An Opportunity for Pharmaceutical and Nutraceutical Market	2024	Algal Biotechnology: Applications for Industrial Development and Human Welfare		238	245	7	10.1201/9781003219194-19	CRC Press	978-100098435-4; 978-103211277-0	Scopus
163	Book chapter	Mahalingam A.; Balakrishnan V.; Harish S.	Carbon-based phase-change nanocomposites for battery thermal management of electric vehicles	2024	Thermal Management for Batteries: From Basic Design to Advanced Simulation and Management Methods		347	375	28	10.1016/B978-0-443-19025-4.00014-2	Elsevier	978-044319025-4; 978-044319026-1	Scopus
164	Book chapter	Srivastava R.; Marik D.; Meher S.; Sahoo L.; Sadhukhan A.	Understanding the facets of extreme land plant adaptation from transcriptome analysis	2023	Transcriptome Analysis and Why it Matters		57	77	20		Nova Science Publishers, Inc.	979-889113098-2	Scopus
165	Book chapter	Chugh P.; Soni S.; Prasad M.; Kumar S.; Mohan H.	Development of a bioprocess for rotavirus vaccine	2024	Bioreactor Design Concepts for Viral Vaccine Production		233	255	22	10.1016/B978-0-443-15378-5.00013-9	Elsevier	978-044315378-5; 978-044315379-2	Scopus
166	Book chapter	Sonika X.; Verma S.K.; Dutt S.; Jadhav V.; Sabavath G.	Application of a polymer nanocomposite for energy harvesting	2023	Recent Advances in Energy Harvesting Technologies		109	144	35		River Publishers	978-877022880-0; 978-877022845-9	Scopus
167	Book chapter	Namdeo N.; Kumar B.; Jha H.	Bioreactor design for the production of microbial polysaccharides	2024	Microbial Exopolysaccharides: Production and Applications		94	112	18	10.1201/9781003342687-5	CRC Press	978-100385998-7; 978-103237941-8	Scopus
168	Book chapter	Panda B.; Santhanam M.	Concrete additive manufacturing: Additive manufacturing using concrete extrusion	2023	Additive Manufacturing for Construction		1	13	12	10.1680/amc.66410.001	Emerald Group Publishing Ltd.	978-072776642-7; 978-072776641-0	Scopus
169	Book chapter	Sharma M.; Das P.P.; Kumar S.; Purkait M.K.	Polyurethane Foams as Packing and Insulating Materials	2023	ACS Symposium Series	1454	83	99	16	10.1021/bk-2023-1454.ch004	American Chemical Society		Scopus
170	Book chapter	Jayakrishnan U.; Bora A.	Fabrication of functional nanomaterials from food waste	2024	Advancements in Nanotechnology for Food and Packaging		253	302	49	10.1016/B978-0-443-21428-8.00010-2	Elsevier	978-044321428-8; 978-044321427-1	Scopus
171	Book chapter	Das S.; Mahajan A.A.; Dey A.; Bhattacharya A.; Bhunia S.; Dasgupta R.; Majumdar M.; Indu N.; Hait A.; Ghosh S.	Probiotics Unleashing the Regenerative Potential for Neuronal Health in Neurodegenerative Diseases	2024	Probiotics: A Comprehensive Guide to Enhance Health and Mitigate Disease		227	250	23	10.1201/9781003452249-11	CRC Press	978-104003616-7; 978-103258694-6	Scopus
172	Book chapter	Das P.P.; Dhara S.; Purkait M.K.	Hybrid electrocoagulation and ozonation techniques for industrial wastewater treatment	2023	Sustainable Industrial Wastewater Treatment and Pollution Control		107	128	21	10.1007/978-981-99-2560-5_6	Springer Nature	978-981992560-5; 978-981992559-9	Scopus
173	Book chapter	Sevda S.; Venkatramanan V.; Rathore D.; Kumar S.; Singh A.; Garlapati V.K.	Applications of biochemical stoichiometry in biotechnology	2024	Bioreactor Design Concepts for Viral Vaccine Production		35	46	11	10.1016/B978-0-443-15378-5.00002-4	Elsevier	978-044315378-5; 978-044315379-2	Scopus
174	Book chapter	Dam B.; Patel B.K.	Synthesis and Biological Evaluation of Thiophene and Its Derivatives	2024	S-Heterocycles: Synthesis and Biological Evaluation		1	16	15	10.1007/978-981-97-4308-7_1	Springer Nature	978-981974308-7; 978-981974307-0	Scopus
175	Book chapter	Patowary S.; Debnath M.; Sarma A.K.	Best management practices in stream: debris and runoff reduction, riparian buffers and plantings, and stabilizing stream banks	2024	Hydrosystem Restoration Handbook: Streamflow Recharge and Lake Rehabilitation: Volume 1	1	73	82	9	10.1016/B978-0-443-29802-8.00005-4	Elsevier	978-044329802-8; 978-044329803-5	Scopus
176	Book chapter	Das H.; Jayakrishnan U.; Pandey A.; Bora A.; Horo H.	Coating of fibers and polymers with bio-based materials	2024	Surface Modification and Coating of Fibers, Polymers, and Composites: Techniques, Properties, and Applications		399	427	28	10.1016/B978-0-443-22029-6.00019-8	Elsevier	978-044322029-6; 978-044322030-2	Scopus
177	Book chapter	Ammulu M.A.; Nelluri K.D.D.; Vemuri P.K.; Mallampati S.C.; Poda S.	Bio-nanomaterials: a promising approach to producing polymeric composites	2024	Sustainable Fillers/Plasticizers for Polymer Composites: Promising Resources		105	128	23	10.1016/B978-0-443-15630-4.00005-1	Elsevier	978-044315630-4; 978-044315631-1	Scopus
178	Book chapter	Deka B.; Chakraborty N.; Patel B.K.	Significant role of nitrogen cycle in wastewater treatment	2023	Anaerobic Ammonium Oxidation: For Industrial Wastewater Treatment		31	53	22	10.1515/9783110780093-003	De Gruyter	978-311078009-3; 978-311077992-9	Scopus
179	Book chapter	Khan A.G.; Naz H.	Role of Arbuscular Mycorrhizal Fungi (AMF) in the Production of Medicinal Crops	2024	Arbuscular Mycorrhizal Fungi in Sustainable Agriculture: Nutrient and Crop Management		363	380	17	10.1007/978-981-97-0300-5_16	Springer Nature	978-981970300-5; 978-981970299-2	Scopus
180	Book chapter	Nag S.; Ghosh S.; Anuvab D.; Majhi S.; Mondal A.; Mishra A.; Mitra O.; Ahmad F.	Methods for Nanotechnology in Plant Biotic Stress Management	2024	Advanced Nanotechnology in Plants: Methods and Applications		26	42	16	10.1201/b23308-3	CRC Press	978-100382670-5; 978-103242945-8	Scopus
181	Editorial	Mittal M.; Narayan J.	Foreword	2024	Intelligent Cyber-Physical Systems for Healthcare Solutions: From Theory to Practice		vii				Springer Science+Business Media	978-981978983-2; 978-981978982-5	Scopus
182	Book chapter	Barman P.; Das A.; Deka A.	Fundamentals of 2D Metals	2024	2D Metals Fundamentals, Emerging Applications, and Challenges		16	31	15	10.1201/9781032645001-2	CRC Press	978-104015132-7; 978-103263855-3	Scopus
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184	Book	Kumar S.; Mukherjee A.; Katiyar V.	Agro-Waste Derived Biopolymers and Biocomposites: Innovations and Sustainability in Food Packaging	2024	Agro-Waste Derived Biopolymers and Biocomposites: Innovations and Sustainability in Food Packaging		1	455	454		wiley	978-139417516-1; 978-139417455-3	Scopus
185	Book chapter	Aswani K.V.; Kalamdhad A.S.; Das C.	The advancement of membrane bioreactors (MBRs) in industrial effluent treatment	2023	Sustainable Industrial Wastewater Treatment and Pollution Control		129	147	18	10.1007/978-981-99-2560-5_7	Springer Nature	978-981992560-5; 978-981992559-9	Scopus
186		Sarmah M.; Deb S.K.; Dutta A.	Rapid Retrofitting of RC Columns Using Fe-SMA for Enhanced Seismic Performance	2023	Springer Tracts in Civil Engineering		211	232	21	10.1007/978-981-19-2324-1_8	Springer Science and Business Media Deutschland GmbH		Scopus
187		Prakash G.; Gholpe A.B.; Pal S.; Robi P.S.	Study on Rheological Behavior of Alumina Ceramic Slurry for Direct Ink Writing Process	2024	Springer Proceedings in Materials	54	113	122	9	10.1007/978-981-97-5967-5_9	Springer		Scopus
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189		Raj S.; Reddy B.S.; Deka A.	A Survey on Fault Tolerant Control of Unmanned Underwater Vehicles	2023	Artificial Intelligence and Data Science Based R and D Interventions: Proceedings of Nerc 2022		187	205	18	10.1007/978-981-99-2609-1_11	Springer Nature		Scopus
190		Borah K.; Goud V.V.	Sustainable waste-to-energy technologies: Fermentation	2024	Biodegradable Waste Processing for Sustainable Developments		150	172	22	10.1201/9781003502012-7	CRC Press		Scopus

IIT GUWAHATI			BOOK PUBLICATION DATA (2023-24)							Date of Data Extraction 08.07.2025			
Sl. No.	Document Type	Authors	Title	Year	Source title	Volume	Page start	Page end	Page count	DOI	Publisher	ISBN	Source
191		Sachan D.; Narayanan R.G.; Siddiquee A.N.	Influence of Tool Rotational Speed on the Mechanical Properties of Friction Stir Spot Welded AA5052-H32/PU Foam/AA5052-H32 Sandwich Sheets	2024	Springer Proceedings in Materials	53	145	152	7	10.1007/978-981-97-5963-7_11	Springer		Scopus
192		Das S.; Giri N.C.; Mazumdar K.; Bhowmick P.; Tiwari H.; Pant D.; Mehta S.	Secure Blockchain-Based Intelligent Internet of Things	2023	Security Implementation in Internet of Medical Things		23	36	13	10.1201/9781003269168-2	CRC Press		Scopus
193		Kumar A.; Ahmed A.S.; Bomanna D.; Sahoo N.	Compressive Mechanical Behavior of Closed-Cell Hybrid Metallic Foam Under Quasi-Static Loading	2024	Springer Proceedings in Materials	54	165	175	10	10.1007/978-981-97-5967-5_13	Springer		Scopus
194		Das S.; Ganesh Narayanan R.	Temperature Estimation and Validation During Spot Welding of Thin AA6063-T6 and CRCA/IS-513 Sheets Using a Consumable Additive Layer and a Pin Less FSSW Tool	2024	Springer Proceedings in Materials	52	11	27	16	10.1007/978-981-97-5959-0_2	Springer		Scopus
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198		Das A.; Gujre N.; Devi R.J.; Rangan L.; Mitra S.	Traditional ecological knowledge towards natural resource management	2023	Sustainable Agriculture and the Environment		275	294	19	10.1016/B978-0-323-90500-8.00019-1	Elsevier		Scopus
199		Sani S.; Mitra D.; Mondal S.	Detection of Polarity in the Native-Language Comments of Social Media Networks	2023	Artificial Intelligence and Knowledge Processing: Improved Decision-Making and Prediction		262	270	8	10.1201/9781003328414-22	CRC Press		Scopus
200		Alam R.	On Nearest Matrix with Partially Specified Eigen-Structure	2023	Indian Statistical Institute Series	Part F1229	245	272	27	10.1007/978-981-99-2310-6_13	Springer Science and Business Media B.V.		Scopus
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202		Sharma N.; Laishram B.	A Review of Barriers and Enablers of the BIM Adoption in Quality Management System	2023	Digitalization in Construction: Recent Trends and Advances		201	212	11	10.1201/9781003408949-11	CRC Press		Scopus
203		Bapat R.B.; Lal A.K.; Pati S.	Some Observations on Algebraic Connectivity of Graphs	2023	Indian Statistical Institute Series	Part F1229	177	190	13	10.1007/978-981-99-2310-6_9	Springer Science and Business Media B.V.		Scopus
204	Article; Book Chapter	Agarwal, S; Mukherjee, P; Dutta, J; Sen, T; Kumar, A; Mitra, A	Plastic Pollution During COVID-19 Pandemic: A Disaster in the Making	2023	ROUTE TOWARDS GLOBAL SUSTAINABILITY: Challenges and Management Practices		333	366		10.1007/978-3-031-10437-4_17	SPRINGER INTERNATIONAL PUBLISHING AG	978-3-031-10439-8; 978-3-031-10437-4; 978-3-031-10436-7	WoS