

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1	Article	Vatti A.K.; Banerjee T.	Atomistic investigation of stability and thermal conductivity of cyrene nanofluid: A molecular dynamics study	2025	Journal of Molecular Liquids	422					10.1016/j.molliq.2025.126844	Elsevier B.V.	1677322		Scopus
2	Article	Chetry A.; Nandy A.	Development of coupled finite element model to investigate electromagnetic forming and simultaneous multi-point perforations of Aluminium tube	2025	International Journal of Material Forming	18	1				10.1007/s12289-024-01871-7	Springer-Verlag Italia s.r.l.	19606206	All Open Access; Green Open Access	Scopus
3	Article	Choudhury P.; Guha P.; Nandi S.	Exploring Semantic Attributes for Image Caption Synthesis in Low-Resource Assamese Language	2025	ACM Transactions on Asian and Low-Resource Language Information Processing	24	4				10.1145/3717612	Association for Computing Machinery	23754699		Scopus
4	Article	Kalita N.; Satpathy J.K.; Yadav R.; Sastri C.V.; Qureshi M.	Integrating Homogeneous and Heterogeneous Catalytic Systems for Synergistic Water Oxidation: Role of Geometrically Distinct Bispidine Metal Complexes	2025	Chemistry of Materials	37	5	2026	2037	11	10.1021/acs.chemmater.5c00049	American Chemical Society	8974756		Scopus
5	Review	Das A.; Uppaluri R.V.S.; Mitra S.	A review on waste derived carbon nanozyme: An emerging catalytic material for monitoring and degrading environmental pollutants	2025	Chemical Engineering Journal	507					10.1016/j.cej.2025.160762	Elsevier B.V.	13858947		Scopus
6	Article	Biswas A.; Pradhan P.; Wakpanjar S.A.; Kancharla P.K.	Direct organocatalytic esterification of carboxylic acids and alcohols by redox neutral sulfur(iv) catalysis via intramolecularly interrupted Pummerer intermediates	2025	Chemical Communications	61	31	5746	5749	3	10.1039/d5cc00556f	Royal Society of Chemistry	13597345	All Open Access; Hybrid Gold Open Access	Scopus
7	Article	Gawal P.M.	Cost-effective 2,3-BD separation: insights from aqueous two-phase extraction-assisted distillation	2025	Biomass Conversion and Biorefinery	15	5	6757	6765	8	10.1007/s13399-024-05392-w	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
8	Article	Dolai A.K.; Pandey V.; Biswas G.; Chakraborty S.	A hybrid phase field-volume of fluid method for simulating dynamically evolving interfaces in multiphase flows	2025	Computers and Fluids	289					10.1016/j.compfluid.2024.106536	Elsevier Ltd	457930		Scopus
9	Article	Adhikari R.; Sarkar P.; Golder A.K.; Mukherjee C.	2-Amidophenolate and 2-Iminosemiquinone Radical-Coordinated Vanadyl Complex as Catholyte for Non-Aqueous Redox-Flow Batteries	2025	Chemistry - An Asian Journal	20	6				10.1002/asia.202401350	John Wiley and Sons Ltd	18614728		Scopus
10	Article	Sikha S.; Singh S.B.; Mandal B.	Investigating the efficacy of bimetallic metal-organic frameworks (MOFs) as fluoride adsorbent in fixed-bed adsorption columns: Experimental and modeling insights	2025	Journal of Water Process Engineering	71					10.1016/j.jwpe.2025.107376	Elsevier Ltd	22147144		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
11	Article	Bhattacharjee U.; Uppaluri R.V.S.	Development of macro and micro-nutrient rich integrated Jeevamrutha bio-fertilizer systems using rural and commercial precursors	2025	Energy Nexus	17					10.1016/j.nexus.2025.100402	Elsevier Ltd	27724271	All Open Access; Gold Open Access	Scopus
12	Article	Sarma D.; Kavyasree V.; Bhuyan M.K.	Two-stream fusion model using 3D-CNN and 2D-CNN via video-frames and optical flow motion templates for hand gesture recognition	2025	Innovations in Systems and Software Engineering	21	1	39	52	13	10.1007/s11334-022-00477-z	Springer Science and Business Media Deutschland GmbH	16145046	All Open Access; Bronze Open Access; Green Open Access	Scopus
13	Article	TG I.; Baraskar S.; Kalamdhad A.S.	Substantiating the water demand in anaerobic digestion using sewage: a study using Ageratum conyzoides and Parthenium hysterophorus—an Indian perspective	2025	Biomass Conversion and Biorefinery	15	5	6675	6686	11	10.1007/s13399-024-05536-y	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
14	Article	Sahu A.; Borah P.P.; Bhattacharyya K.; Qureshi M.	Harnessing Dirac Semi-Metallicity in a Metal-Free Stand-alone Borophene Composite Electrode for High-Performance Supercapacitors	2025	Nano Letters	25	12	5019	5026	7	10.1021/acs.nanolett.5c00546	American Chemical Society	15306984		Scopus
15	Article	Sahu D.; Roy S.S.; Ghosh K.; Giri P.K.	Asymmetric contact enabled self-powered flexible photodetector utilizing formamidineium-based perovskite with a 2D MXene electrode	2025	Journal of Materials Chemistry C	13	18	9317	9331	14	10.1039/d5tc00968e	Royal Society of Chemistry	20507526		Scopus
16	Article	Sadhu G.; Dalal D.C.	Effects of Non-linear Interaction Between Oxygen and Lactate on Solid Tumor Growth Under Cyclic Hypoxia	2025	Bulletin of Mathematical Biology	87	3				10.1007/s11538-025-01420-6	Springer	928240		Scopus
17	Article	Roy K.; Gogoi K.; Basu S.	Topological characterization of a non-Hermitian ladder via Floquet non-Bloch theory	2025	Physical Review B	111	11				10.1103/PhysRevB.111.115424	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
18	Article	Sebastian S.; Kalita K.	Development and field performance assessment of roller rake weeder	2025	Crop Protection	189					10.1016/j.cropro.2024.107051	Elsevier Ltd	2612194		Scopus
19	Article	Das B.; Singh P.; Kalita P.	Performance Evaluation of a Mixed-Mode solar dryer with PCM-based energy storage for efficient drying of Baccaurea ramiflora	2025	Solar Energy	288					10.1016/j.solener.2025.113279	Elsevier Ltd	0038092X		Scopus
20	Article	Senapati S.K.; Das A.	Reductive alkylation of azoarenes to N-alkylated hydrazines enabled by hexafluoroisopropanol	2025	Chemical Communications	61	47	8596	8599	3	10.1039/d5cc00425j	Royal Society of Chemistry	13597345		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
21	Article	Nayak N.; Ravi S.	Exploring the structural, magnetic, and dielectric spectroscopy of Y-substituted Nd2CoMnO6 double perovskite compounds	2025	Ceramics International	51	6	7047	7059	12	10.1016/j.ceramint.2024.12.139	Elsevier Ltd	2728842		Scopus
22	Article	Haque M.R.; Maity D.; Mondal R.	Thermal and nonthermal dark matters with gravitational neutrino reheating	2025	Physical Review D	111	6				10.1103/PhysRevD.111.063546	American Physical Society	24700010	All Open Access; Green Open Access	Scopus
23	Article	Podder S.; Bora J.; Singh K.B.; Gogoi D.; Basumatary B.; Pal A.R.	A hybrid pyro-phototronic nanogenerator (HPyNG) for ultra-low light detection	2025	Journal of Materials Chemistry A	13	17	12243	12255	12	10.1039/d5ta00063g	Royal Society of Chemistry	20507488		Scopus
24	Article	Verma S.; Kishore R.A.; Kumar K.; Mitra P.R.	Dynamic modelling and control strategy of a temperature-driven metal hydride cooling system for buildings	2025	Energy and Buildings	331					10.1016/j.enbuild.2025.115381	Elsevier Ltd	3787788		Scopus
25	Article	Sahoo S.; Rana R.; Srinivas C.; Iyer P.K.; Dash L.; Biswal H.S.; Samal S.L.	Understanding the Relation between the Structure and Emission Properties in OD (2-ABI)3Bi1-xSbxCl6·H2O: Impact of Structural Distortion and Stereoactivity of ns2 Lone Pairs	2025	Inorganic Chemistry	64	11	5637	5651	14	10.1021/acs.inorgchem.5c00116	American Chemical Society	201669		Scopus
26	Review	Emale K.B.; Peng J.-X.; Djorwé P.; Sarma A.K.; Abdourahimi; Abdel-Aty A.-H.; Nisar K.S.; Engo S.G.N.	Quantum correlations enhanced in hybrid optomechanical system via phase tuning	2025	Physica B: Condensed Matter	701					10.1016/j.physb.2025.416919	Elsevier B.V.	9214526		Scopus
27	Article	Rehman A.; Narwade A.; Singh K.K.	CRISPR-based genome editing to endogenously distinguish the paralogs MAGOH and MAGOHB	2025	Gene Reports	38					10.1016/j.genrep.2025.102152	Elsevier Inc.	24520144		Scopus
28	Article	Raina A.; Natesan S.; Toprakseven	Anisotropic error analysis of weak Galerkin finite element method for singularly perturbed biharmonic problems	2025	Mathematics and Computers in Simulation	229		203	221	18	10.1016/j.matcom.2024.09.017	Elsevier B.V.	3784754	All Open Access; Green Open Access	Scopus
29	Article	Kalita J.; Kumar P.; Dutta S.; Al Mdallal Q.	Numerical investigation of conjugate heat transfer in suddenly expanding channels with high expansion ratios	2025	International Journal of Thermofluids	26					10.1016/j.ijft.2024.101031	Elsevier B.V.	26662027	All Open Access; Gold Open Access	Scopus
30	Article	Jena K.; Vairakannu P.; Singha S.	Microwave drying of sprouted little millet and assessment of their kinetic and physiochemical properties	2025	Journal of Cereal Science	122					10.1016/j.jcs.2025.104122	Academic Press	7335210		Scopus
31	Article	Mondal S.K.; Bharti R.; Tiampo K.F.	Tracking the Seismic Deformation of Himalayan Glaciers Using Synthetic Aperture Radar Interferometry	2025	Remote Sensing	17	5				10.3390/rs17050911	Multidisciplinary Digital Publishing Institute (MDPI)	20724292		Scopus
32	Article	Khalse N.M.; De M.	Groundnut-shell derived oxygen enriched mesoporous carbon adsorbent for removal of thiophenic sulfur compounds	2025	Environmental Science and Pollution Research	32	11	6691	6710	19	10.1007/s11356-025-36143-7	Springer	9441344		Scopus

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33	Article	Sahshong P.; Chandra A.; Mercado-Shekhar K.P.; Bhatt M.	Deep denoising approach to improve shear wave phase velocity map reconstruction in ultrasound elastography	2025	Medical Physics	52	3	1481	1499	18	10.1002/mp.17581	John Wiley and Sons Ltd	942405		Scopus
34	Article	Chetri B.K.; Sonu S.S.; Shelke R.G.; Dierckxsens N.; Mitra S.; Rangan L.	The evolutionary landscape of mitogenomes: Insights from Elsholtzia blanda and comparative analysis of ten related species	2025	Ecological Genetics and Genomics	34					10.1016/j.egg.2025.100328	Elsevier Inc.	24059854		Scopus
35	Article	Gupta R.; Mishra R.K.; Kumar D.J.P.; Chinnam S.; Sharma A.; Mohanty K.	Sustainable valorization of bamboo sawdust via catalytic pyrolysis into renewable liquid fuel and value-added chemicals	2025	Engineering Research Express	7	1				10.1088/2631-8695/ad0e8	Institute of Physics	26318695		Scopus
36	Article	Ghosal S.; Paul S.; Giri P.K.	Enhanced charge transfer and coupled resonance in Ni-doped sub-stoichiometric tungsten oxide nanostructure for plasmon-free SERS sensing	2025	Materials Today Nano	29					10.1016/j.mtnano.2025.100593	Elsevier Ltd	25888420		Scopus
37	Article	Basak S.; Paul T.; Mandal S.; Barman M.; Nanjegowda M.V.; Punniyamurthy T.	Transition-metal-catalyzed auxiliary-assisted C-H functionalization using vinylcyclopropanes and cyclopropanols	2025	Chemical Communications	61	33	6055	6068	13	10.1039/d5cc00599j	Royal Society of Chemistry	13597345	All Open Access; Hybrid Gold Open Access	Scopus
38	Article	Chahal R.; Ghosal S.; Ghosh J.; Giri P.K.	Lead-free halide double perovskite nanoflakes as high-performance SERS substrates for detection of trace organic pollutants: chemical enhancement versus electromagnetic enhancement	2025	Nanoscale	17	15	9401	9417	16	10.1039/d5nr00437c	Royal Society of Chemistry	20403364		Scopus
39	Article	Vikas; Pasha F.A.; Kumar A.	Pincer–Ruthenium Catalyzed Selective α -Alkylation of Nitriles	2025	ChemCatChem	17	6				10.1002/cctc.202401744	John Wiley and Sons Inc	18673880		Scopus
40	Article	Tanwar N.; Nandi P.G.; Dhole S.; Jasra R.V.; Kumar A.	3d-metal based anodic pincer electro-catalysts dispersed in solution for the electro-catalytic oxidation of (m)ethanol	2025	Catalysis Science and Technology	15	8	2493	2509	16	10.1039/d4cy01496k	Royal Society of Chemistry	20444753		Scopus
41	Article	Bora D.; Pratim Bhattacharyya H.; Rahaman Gayen F.; Baguli S.; Patel P.; Sarma M.; Saha B.	Bimetallic Cooperativity of a Ferrocene-Based Iridium NHC Complex in Water Oxidation Catalysis: A New Frontier for Efficient Oxygen Evolution	2025	Chemistry - An Asian Journal	20	6				10.1002/asia.202401357	John Wiley and Sons Ltd	18614728		Scopus
42	Article	Sasidharan S.; Ramakrishnan V.	Single crystal (4-(tritylthio)butylthio) triphenylmethane forming organic nanoflowers	2025	Advances in Natural Sciences: Nanoscience and Nanotechnology	16	1				10.1088/2043-6262/ad9fff	Institute of Physics	20436262		Scopus
43	Article	Karan S.; Punia G.S.; Biswas S.	Logarithmic correction to the entropy of a Kerr-Newman family of black holes in U (1)2 -charged STU supergravity models	2025	Physical Review D	111	6				10.1103/PhysRevD.111.066016	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
44	Article	Kumar P.; Mohanty K.	Insight into the Pyrolysis of Melocanna baccifera Biomass: Pyrolysis Behavior, Kinetics, and Thermodynamic Parameters Analysis Based on Iso-conversional Methods	2025	ACS Omega	10	8	8420	8432	12	10.1021/acsomega.4c10423	American Chemical Society	24701343	All Open Access; Gold Open Access	Scopus
45	Article	Gupta R.; Mishra R.K.; Mohanty K.	Pyrolysis Behavior, Kinetic Analysis, and Biochar Production from Waste Flowers	2025	ACS Omega	10	8	8484	8498	14	10.1021/acsomega.4c10700	American Chemical Society	24701343	All Open Access; Gold Open Access	Scopus
46	Article	Yadav H.; Mehta D.; Bharat T.V.; Kumar S.	A novel protocol for detection and quantification of SARS-CoV-2 virus based on settlement rates of clay-virus-electrolyte mixture	2025	Applied Clay Science	265					10.1016/j.clay.2024.107680	Elsevier Ltd	1691317		Scopus
47	Article	Rahman P.; Chakraborty N.; Patel B.K.; Rajbongshi K.K.	Nal-mediated α -keto-acylation of NH-sulfoximines with aryl methyl ketones	2025	Organic and Biomolecular Chemistry	23	17	4036	4040	4	10.1039/d5ob00166h	Royal Society of Chemistry	14770520		Scopus
48	Article	Kumar D.; Mehta S.K.; Mondal P.K.	Non-Newtonian Solute Mixing via Protonic Exchange of a Polyelectrolyte Layer: Unveiling Formation of Electroosmotic Vortices	2025	Langmuir	41	11	7624	7639	15	10.1021/acs.langmuir.4c05290	American Chemical Society	7437463		Scopus
49	Article	Bandha R.; Sinha R.K.	A new space transformed finite element method for elliptic interface problems in Rn	2025	Journal of Computational and Applied Mathematics	457					10.1016/j.cam.2024.116277	Elsevier B.V.	3770427		Scopus
50	Article	Singh B.K.; Kapil S.; Joshi S.N.	Thermo-flow modeling of geometry evolution considering the velocity flow fields during pulsed-laser processing	2025	International Journal of Thermal Sciences	209					10.1016/j.ijthermalsci.2024.109511	Elsevier Masson s.r.l.	12900729		Scopus
51	Review	Mohapatra P.P.; Singh H.K.; Dobbidi P.	Advancements in electromagnetic microwave absorbers: Ferrites and carbonaceous materials	2025	Advances in Colloid and Interface Science	337					10.1016/j.cis.2024.103381	Elsevier B.V.	18686		Scopus
52	Article	Rattan B.; Shankar M.; Garg A.; Sahoo L.; Pekkat S.; S S.	A field study integrating plant physiology-soil response for quantifying wilting and plant survival time in a polymer-amended soil	2025	Soil and Tillage Research	247					10.1016/j.still.2024.106371	Elsevier B.V.	1671987		Scopus
53	Article	Son J.; Heo C.; Kim H.; Meyyappan M.; Kim K.	A Novel Bulk Planar Junctionless Field-Effect Transistor for High-Performance Biosensing	2025	Biosensors	15	3				10.3390/bios15030135	Multidisciplinary Digital Publishing Institute (MDPI)	20796374	All Open Access; Gold Open Access	Scopus
54	Article	Lalthazuala R.; Singh K.D.	Effect of perforations on performance of duplex stainless steel stub column	2025	Journal of Constructional Steel Research	226					10.1016/j.jcsr.2024.109307	Elsevier Ltd	0143974X		Scopus
55	Article	Ray S.; Kumar P.P.	Molecular dynamics studies of oxide ion transport in Sr-doped LaFeO3: role of cationic environments and cooperativity	2025	Physical Chemistry Chemical Physics	27	14	6994	7003	9	10.1039/d5cp00131e	Royal Society of Chemistry	14639076		Scopus
56	Article	Yumlembam R.; Gogoi H.J.; Palathinkal R.P.; Mallajosyula A.T.	Artificial synapse using flexible and air-stable Cs3Bi2I9 perovskite memristors	2025	Flexible and Printed Electronics	10	1				10.1088/2058-8585/adacf9	Institute of Physics	20588585		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
57	Article	Ghosh A.; Kartha S.A.	Effect of different pHs and liquid-to-solid ratios on leaching behavior of heavy metals from landfill-mined-soil-like-fractions	2025	Journal of Environmental Management	376					10.1016/j.jenvman.2025.124421	Academic Press	3014797		Scopus
58	Article	Phukan B.; Barua G.	An analytical solution of the one-dimensional steady-state advection-dispersion equation of a compressible fluid for a heterogeneous soil	2025	Sadhana - Academy Proceedings in Engineering Sciences	50	1				10.1007/s12046-024-02651-4	Springer	2562499		Scopus
59	Article	Padhi P.; Mehta S.K.; Mondal P.K.; Wongwises S.	Towards the characterization of chemiosmotic flow of ionic liquids in charged nanochannels	2025	Physical Chemistry Chemical Physics	27	17	8692	8705	13	10.1039/d5cp00555h	Royal Society of Chemistry	14639076		Scopus
60	Article	Rana A.; Karmakar A.; Kundu S.; Biswas S.	Unlocking the Potential of Cobalt-Based Metal-Organic Frameworks for Alkaline Oxygen Evolution and One-Pot Synthesis of Styrene Carbonate from Styrene and Carbon Dioxide	2025	Inorganic Chemistry	64	12	6214	6223	9	10.1021/acs.inorgchem.5c00013	American Chemical Society	201669		Scopus
61	Article	Nandi S.; Nayak P.P.; Guha P.	Valorization of betel leaf industry waste: Extraction of cellulose nanocrystals and their compatibility with starch-based composite films	2025	Biomass and Bioenergy	194					10.1016/j.biombioe.2025.107678	Elsevier Ltd	9619534		Scopus
62	Article	Ganesh M.D.; Pandey S.; Manickasamy M.K.; Kunnumakkara A.B.; Dobbidi P.	Potassium tantalum niobate: Structural insights and biocompatibility for biomedical applications	2025	Journal of the American Ceramic Society	108	3				10.1111/jace.20261	John Wiley and Sons Inc	27820	All Open Access; Bronze Open Access	Scopus
63	Article	Sarkar A.; Reddy B.S.; Dwivedy S.K.	Control of transient response of Marine Surface Vehicles based on parameterization of full-order Lyapunov matrices	2025	Ocean Engineering	319					10.1016/j.oceaneng.2024.120137	Elsevier Ltd	298018		Scopus
64	Article	Chah C.N.; Sekharan S.; Katiyar V.	Geotechnical characterisation and sustainability assessment of plastic waste inclusions on a cement-treated fine-grained soil for pavement applications	2025	Transportation Geotechnics	51					10.1016/j.trgeo.2025.101515	Elsevier Ltd	22143912		Scopus
65	Review	Nandi N.; Sarkar P.; Barnwal N.; Sahu K.	Intricacies of Carbon Dot Photoluminescence for Emerging Applications: A Review	2025	Chemistry - An Asian Journal	20	6				10.1002/asia.202401470	John Wiley and Sons Ltd	18614728		Scopus
66	Article	Nandi S.; Ghosal S.; Meyyappan M.; Giri P.K.	Defect-engineered 2D Bi2Se3-based broadband optoelectronic synapses with ultralow energy consumption for neuromorphic computing	2025	Materials Horizons	12	12	4274	4288	14	10.1039/d4mh01625d	Royal Society of Chemistry	20516347		Scopus
67	Article	Rana A.; Mukherjee S.; Sundari K.A.; Dhakshinamoorthy A.; Biswas S.	Cu(II)-Anchored Amine-Rich Covalent-Organic Polymer for Sustainable Utilization of CO2 in the Synthesis of Valuable Chemicals and C–C Bond Formation Reactions	2025	ChemCatChem	17	6				10.1002/cctc.202401503	John Wiley and Sons Inc	18673880		Scopus

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68	Article	Verma K.; Pandey K.; Kashyap N.	Relation between sleep spindles and semantically induced false memory	2025	Sleep and Breathing	29	1				10.1007/s11325-024-03186-y	Springer Science and Business Media Deutschland GmbH	15209512		Scopus
69	Article	Bergström H.; Liu S.-J.; Bandaru V.; Hoelzl M.	Introduction of a 3D global non-linear full-f particle-in-cell model for runaway electrons in JOEAK	2025	Plasma Physics and Controlled Fusion	67	3				10.1088/1361-6587/adaee7	Institute of Physics	7413335		Scopus
70	Article	Adhikary A.; Joseph V.F.; Banerjee R.; Nagotu S.	Yeast Dnm1G178R causes altered organelle dynamics and sheds light on the human DRP1G149R disease mechanism	2025	Mitochondrion	81					10.1016/j.mito.2025.102006	Elsevier B.V.	15677249		Scopus
71	Review	Bhatt G.; Limaye A.M.; Rangan L.	Phytochemicals: a Natural Prospect Toward Healthcare—a Tryst with Karanjin	2025	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	95	1	1	7	6	10.1007/s40011-024-01557-9	Springer	3698211		Scopus
72	Article	Kumari A.; Bangal G.; Das B.K.; Baroi M.K.; Kumari M.; Das P.; Reddy K.P.; Islam R.; Dhaked D.K.; Pramanik B.; Roy S.; Ahmed S.	Luminescent ultrashort peptide hydrogelator with enhanced photophysical implications and biocompatibility	2025	Journal of Materials Chemistry B	13	14	4406	4418	12	10.1039/d4tb02687j	Royal Society of Chemistry	2050750X		Scopus
73	Article	Khalid A.; farhat N.	Structural Insight on Interaction of NMDA receptor with fentanyl, ketamine and Isoflurane: A Computational Study to Unravel Mode of Binding	2025	Cell Biochemistry and Biophysics	83	1	669	677	8	10.1007/s12013-024-01499-z	Springer	10859195		Scopus
74	Article	Kharmylliem B.; Kipgen N.	Village councils, social capital and sustainability: a study of urban water management of Shillong in Meghalaya, India	2025	Water Policy	27	3	301	316	15	10.2166/wp.2025.209	IWA Publishing	13667017	All Open Access; Gold Open Access	Scopus
75	Article	Kalita N.; Nath U.; Singha A.; Sarma M.; Qureshi M.	Electronic structure tuning to facilitate charge transfer in Z-scheme mediated CuO/Se@WO3 aided by synchronized Cu(OH)2 for efficient overall water splitting	2025	Journal of Materials Chemistry A	13	15	10723	10735	12	10.1039/d5ta00627a	Royal Society of Chemistry	20507488	All Open Access; Hybrid Gold Open Access	Scopus
76	Article	Mondal B.; Bishal Kashyap A.; Das G.	Unveiling the Potential of Thiophene-Functionalized Porous Organic Polymers for Bromine Adsorption and Selective Separation from Iodine	2025	Chemistry - A European Journal	31	14				10.1002/chem.202404177	John Wiley and Sons Inc	9476539		Scopus
77	Article	Ahmed R.; Kumar Behera P.; Anjana K.N.; Anitha B.; Patra A.; Kumar S.; Namboothiry M.A.G.; Sudhakar Achalkumar A.	Novel Class of Ambipolar Columnar Liquid Crystals Based on Cyclic Dipeptide and Isatin Hybrids	2025	ChemPhysChem	26	5				10.1002/cphc.202400980	John Wiley and Sons Inc	14394235		Scopus
78	Article	Annapureddy P.K.R.; Ranjan A.; Kishore N.	Kinetics, reaction models, and thermodynamic feasibility of non-isothermal catalytic pyrolysis of Erythrina indica	2025	Journal of Renewable and Sustainable Energy	17	2				10.1063/5.0251198	American Institute of Physics	19417012		Scopus
79	Article	Rahul; Kumari J.; Bhardwaj J.S.; Agarwal P.	Work function tuning of thermally evaporated V2Ox films using UV-Ozone treatment and its influence on V2Ox/c-Si(n) solar cells	2025	Materials Science in Semiconductor Processing	188					10.1016/j.mssp.2024.109217	Elsevier Ltd	13698001		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
80	Review	Kumar L.; Gupta B.; Kumar Purkait M.	Photo-induced degradation of toxic recalcitrant compounds from surface water: Insights into advanced nanomaterials, hybrid photocatalytic systems, and real applications	2025	Journal of Environmental Management	377					10.1016/j.jenvman.2025.124610	Academic Press	3014797		Scopus
81	Article	Maity S.; Barman R.	A q-supercongruence from finite q-binomial theorem	2025	Research in Number Theory	11	1				10.1007/s40993-025-00619-9	Springer Science and Business Media Deutschland GmbH	23639555		Scopus
82	Article	Sarkar S.K.; Ravisankar R.; Mishra T.; Muruganandam P.; Mishra P.	Signature of localization-delocalization in collisional inhomogeneous spin-orbit coupled condensates	2025	Journal of Physics B: Atomic, Molecular and Optical Physics	58	6				10.1088/1361-6455/adbc55	Institute of Physics	9534075	All Open Access; Green Open Access	Scopus
83	Article	Kalita J.J.; Sharma P.; Bora U.	Selection and characterisation of DNA aptamer targeting immunogenic peptide sequence of high molecular weight glutenin (HMW-GS) of gluten	2025	Cereal Research Communications	53	1	425	438	13	10.1007/s42976-024-00556-w	Akademiai Kiado ZRt.	1333720		Scopus
84	Article	Das T.; Sarma A.K.	Incorporating return period in the assessment of rainfall erosivity of India using high temporal resolution satellite precipitation product	2025	Journal of Earth System Science	134	1				10.1007/s12040-024-02452-7	Springer	23474327		Scopus
85	Article	Pal R.; Ghosh N.; Kalimullah N.M.M.; Ahmad A.; Melandsø F.; Habib A.	Subsurface damage identification and localization in PZT ceramics using point contact excitation and detection: An image processing framework	2025	Ultrasonics	147					10.1016/j.ultras.2024.107516	Elsevier B.V.	0041624X	All Open Access; Hybrid Gold Open Access	Scopus
86	Article	Boro B.; Tiwari P.	Pyrolysis of waste printed circuit board fragments: Response surface methodology optimization and effect of temperature on product characteristics	2025	Energy	319					10.1016/j.energy.2025.134892	Elsevier Ltd	3605442		Scopus
87	Article	Roy S.S.; Ghosh K.; Meyyappan M.; Giri P.K.	MXene Nanoribbon Aerogel-Based Gradient Conductivity Electromagnetic Interference Shields with Unprecedented Combination of High Green Index and Shielding Effectiveness	2025	Small	21	10				10.1002/smll.202500003	John Wiley and Sons Inc	16136810		Scopus
88	Article	Kumar S.; Dwivedy S.K.	Model-based PD neural network control for pipe crack sealing manipulator	2025	Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering	239	3	476	489	13	10.1177/09596518241280221	SAGE Publications Ltd	9596518		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
89	Article	Goswami U.J.; Xalxo A.; Khan A.T.	A regioselective and sustainable approach for the synthesis of substituted thieno[2,3-b]chromen-4-ones with pendant imine groups via a base-promoted multicomponent reaction	2025	Organic Chemistry Frontiers	12	10	3215	3222	7	10.1039/d5qo00228a	Royal Society of Chemistry	20524110		Scopus
90	Article	Lenka B.K.; Bora S.N.	New formulation of Lyapunov direct method for nonautonomous real-order systems	2025	Nonlinear Analysis: Modelling and Control	30	2	196	211	15	10.15388/namc.2025.30.38471	Vilnius University Press	13925113	All Open Access; Gold Open Access	Scopus
91	Article	Kumar Behera P.; Yadav K.; Roy M.; Shankar Rao D.S.; Kumar Pandey U.; Sudhakar Achalkumar A.	Solution Processable Se-annulated Swallow Tail Perylene Bisimide Exhibiting Room Temperature Columnar Phase and Efficient Ambipolar Charge Carrier Mobility	2025	Chemistry - A European Journal	31	14				10.1002/chem.202402557	John Wiley and Sons Inc	9476539		Scopus
92	Article	Barman M.; Mandal S.; Nanjegowda M.V.; Punniyamurthy T.	Palladium-Catalyzed Directed Alkenylation of Alkyl Amides with Unactivated Alkenes: Access to γ-Alkenyl γ-Lactams	2025	Organic Letters	27	12	2913	2917	4	10.1021/acs.orglett.5c00486	American Chemical Society	15237060		Scopus
93	Article	Dupont R.L.; Xu Y.; Borbora A.; Wang X.; Azadi F.; Havener K.; Lewis B.; Deng W.; Tan B.W.; Li S.; Zhang R.; Yao Y.; Manna U.; Wang X.	Synergistic Adhesion and Shape Deformation in Nanowire-Structured Liquid Crystal Elastomers	2025	Advanced Materials	37	9				10.1002/adma.202414695	John Wiley and Sons Inc	9359648		Scopus
94	Article	Vanarse V.B.; Thakur S.; Bandyopadhyay D.	Recirculatory Solvotaxis of a Nematic Droplet on Water Surface Enabling Miniaturization	2025	Langmuir	41	9	5933	5946	13	10.1021/acs.langmuir.4c04647	American Chemical Society	7437463		Scopus
95	Review	Das Adhikari R.; Patel M.J.; Baishya H.; Yadav D.; Kalita M.; Alam M.; Iyer P.K.	Decoding recombination dynamics in perovskite solar cells: an in-depth critical review	2025	Chemical Society Reviews	54	8	3962	4034	72	10.1039/d4cs01231c	Royal Society of Chemistry	3060012		Scopus
96	Article	Pandey A.; De M.	Significant hydrogen production by Enterococcus faecium IITGEN1 and Proteus mirabilis IITGEN2 newly isolated from local waste sources	2025	International Journal of Environmental Science and Technology	22	5	3521	3532	11	10.1007/s13762-024-05844-w	Springer Nature	17351472		Scopus
97	Article	Melkani U.; Raja S.; Kapil S.; Bag S.	Role of secondary wire feeding in gas metal arc welding-based directed energy deposition process of low-carbon steel	2025	International Journal of Advanced Manufacturing Technology	137	3	1943	1958	15	10.1007/s00170-025-15283-7	Springer Science and Business Media Deutschland GmbH	2683768		Scopus
98	Article	Aishwarya A.; Maibam P.D.; Goyal A.	Statistical optimization of thermo-chemical pretreatment of elephant grass for efficient delignification and enzymatic saccharification	2025	Biomass Conversion and Biorefinery	15	5	7483	7494	11	10.1007/s13399-024-05650-x	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
99	Article	Antony D.; Barman R.	P-Adic quotient sets: Linear recurrence sequences with reducible characteristic polynomials	2025	Canadian Mathematical Bulletin	68	1	177	186	9	10.4153/S0008439524000547	Cambridge University Press	84395		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
100	Article	Singh A.P.; Baruah J.B.	Facts and reality of multi-component organic ionic-cocrystals of di-topic acid-base conjugates	2025	CrystEngComm	27	12	1701	1706	5	10.1039/d4ce01200c	Royal Society of Chemistry	14668033		Scopus
101	Article	Sonowal J.; Muthukumar P.; Anandalakshmi R.	Design and development of wire-mesh packed bed liquid desiccant dehumidifier to reduce pressure-drop and carryover	2025	Applied Thermal Engineering	261					10.1016/j.applthermaleng.2024.125152	Elsevier Ltd	13594311		Scopus
102	Article	Sahu S.; Balmuchu S.P.; Dobbidi P.	Thickness-dependent structural and growth evolution in relation to dielectric relaxation behavior and correlated barrier hopping conduction mechanism in Ni0.5Co0.5Fe2O4 ferrite thin films	2025	Journal of Physics Condensed Matter	37	6				10.1088/1361-648X/ad92d5	Institute of Physics	9538984		Scopus
103	Article	Kumar A.; Chakrabarti S.; Das S.	Neutrino-dominated Relativistic Viscous Accretion Flows around Rotating Black Holes with Shocks	2025	Astrophysical Journal	980	1				10.3847/1538-4357/adabc8	Institute of Physics	0004637X	All Open Access; Gold Open Access	Scopus
104	Article	Kemprai P.P.; Ramana Murthy K.V.; Muthukumar P.; Ranganayakulu C.	Estimation of condensation heat transfer coefficient and pressure drop of R1234yf inside a brazed plate serrated fin heat exchanger	2025	Thermal Science and Engineering Progress	59					10.1016/j.tsep.2025.103311	Elsevier Ltd	24519049		Scopus
105	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.; Bannister E.F.; Barros 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.; 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.; Ding P.; Djurcic Z.; Dobbs K.; Dolce M.; Doyle D.; Tonguino D.D.; Dukes E.C.; Dye A.; Ehrlich R.; Ewart E.; Filip P.; Frank M.J.; Gallagher H.R.; Gao F.; Giri A.; Gomes R.A.; Goodman M.C.; Groh M.; Group R.; Habig A.; Haki F.; Hartnell J.; Hatcher R.; Hausner H.; He M.; Heller K.; Hewes V.; Himmel A.; Horoho T.; Ivanova A.; Jargowsky B.; Jarosz J.; Judah M.; Kakorin I.; Kalitkina A.; Kaplan D.M.; Kirezli-	Dual-Baseline Search for Active-to-Sterile Neutrino Oscillations in NOvA	2025	Physical Review Letters	134	8				10.1103/PhysRevLett.134.081804	American Physical Society	319007		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
106	Article	Kommadath R.; Maharana D.; Kotecha P.	Multiobjective Phase-Wise Teaching Learning–Based Optimization With No-Wait Time Heuristic for Job Shop Scheduling Problem	2025	Concurrency and Computation: Practice and Experience	37	#####				10.1002/cpe.8380	John Wiley and Sons Ltd	15320626		Scopus
107	Article	Sadu C.; Das P.K.; Yannam V.R.; Nayyar A.	RobustFace: a novel image restoration technique for face adversarial robustness improvement	2025	Multimedia Tools and Applications	84	11	8965	8993	28	10.1007/s11042-024-19290-w	Springer	13807501		Scopus
108	Article	Sufian A.; Bhattacharjee D.; Barman P.; Kesarwani R.; Das S.; Bhabak K.P.	Synthetic organic polysulfanes as H2S donors and anticancer agents	2025	Chemical Communications	61	24	4647	4661	14	10.1039/d5cc00252d	Royal Society of Chemistry	13597345		Scopus
109	Editorial	van Hullebusch E.D.; Narayanasamy S.; Chellam P.V.	Editorial Note: Strategic engineering and functional mechanism elucidation of advanced materials in adsorption and catalysis for detoxification of contaminated water matrices	2025	Environmental Research	267					10.1016/j.envres.2024.120575	Academic Press Inc.	139351		Scopus
110	Article	Das S.S.; Rana R.; Srinivas C.; Mishra A.; Iyer P.K.; Samal S.L.	Synthesis and Luminescence Properties of (TMS)4Bi1-xSbxBr7: A Series of OD Hybrid Metal Halides Containing S-Based Organic Cations	2025	Crystal Growth and Design	25	4	1053	1065	12	10.1021/acs.cgd.4c01393	American Chemical Society	15287483		Scopus
111	Article	Moatoshi; Borgohain C.; Kaushik S.D.; Borah J.P.	Structural refinement and magnetic tuning in cobalt-substituted SrFe12O19 hexaferrite	2025	Journal of Chemical Physics	162	5				10.1063/5.0244691	American Institute of Physics	219606		Scopus
112	Article	Bhan C.; Ravi R.; Golder A.K.	Phyto-analytic formation of Ag nanostructures for targeted electrocatalytic sensing of ciprofloxacin	2025	Journal of Environmental Chemical Engineering	13	1				10.1016/j.jece.2024.115140	Elsevier Ltd	22133437		Scopus
113	Article	Bora T.J.; Gour N.K.; Saikia L.; Bora U.; Hazarika N.; Kim D.; Park Y.-B.; Saha R.A.; Devi A.; Karunakar G.V.; Zaki M.E.A.; Bania K.K.	Highly dispersed Pd-nanoparticles in vanadium oxide supported zeolite-Y for C-C coupling reaction through C-Cl bond activation	2025	Applied Catalysis A: General	691					10.1016/j.apcata.2024.120053	Elsevier B.V.	0926860X		Scopus
114	Article	Sagar S.; Bhattarai S.; Kumar J.; Kumar A.; Mukhopadhyay S.	High-efficiency GaAs solar cells with ordered nano-conical frustum arrays for enhanced light trapping and photovoltaic performance	2025	Solar Energy	288					10.1016/j.solener.2025.113299	Elsevier Ltd	0038092X		Scopus
115	Article	Meher N.; Khatun M.N.; Parui R.; Iyer P.K.	Non-conjugated alkyl chain engineering to tune condensed state photophysical and supramolecular assembly properties	2025	Nanoscale	17	11	6685	6694	9	10.1039/d5nr00163c	Royal Society of Chemistry	20403364		Scopus
116	Article	Kaur G.; Sridharan R.; Dutta T.; Stangl R.; Danner A.	Enhanced Carrier Selectivity and Superior Passivation in Cost-Effective Heterogeneous Hybrid Transport Layers for Next Generation Silicon Solar Cells	2025	Advanced Functional Materials	35	8				10.1002/adfm.202409070	John Wiley and Sons Inc	1616301X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
117	Article	Shekhawat K.; Mittal P.; Negi D.; Shyam R.; Prajapat P.; Gupta G.; Singh F.; Gupta M.; Pandey S.; Dobbidi P.; Nelamarri S.R.	Tuning the bandgap and photoluminescence properties of Ge/Al2O3 multilayer thin films using annealing and ion beam irradiation	2025	Journal of Physics D: Applied Physics	58	6				10.1088/1361-6463/ad93e3	Institute of Physics	223727		Scopus
118	Article	Nagireddi S.; Patel P.K.; Golder A.K.; Uppaluri R.V.S.	Evaluation of a triethylenetetramine-chitosan derivative for the removal of palladium ion from an intricate adsorbate system	2025	Journal of Molecular Structure	1323					10.1016/j.molstruc.2024.140782	Elsevier B.V.	222860		Scopus
119	Article	Aswani K.V.; Manu Sankar V.; Kalamdhad A.S.; Das C.	Microbial enrichment-based bioremediation of petroleum refinery wastewater- enhanced effluent quality assessment by phytotoxicity studies	2025	Bioresource Technology Reports	29					10.1016/j.biteb.2025.102043	Elsevier Ltd	2589014X		Scopus
120	Article	Dhongde N.R.; Adhikari S.; Rajaraman P.V.	Anticorrosion properties of ionic liquid functionalized graphene oxide epoxy composite coating on the carbon steel for CCUS environment	2025	Environmental Science and Pollution Research	32	8	4511	4522	11	10.1007/s11356-025-35984-6	Springer	9441344	All Open Access; Green Open Access	Scopus
121	Article	Panthi K.P.; Shahi D.K.; Sharma M.L.; Li Z.; Pandey L.M.; Joshi M.K.	Gluten-Based Composite Film for Smart Food Packaging Applications	2025	Food and Bioprocess Technology	18	3	2882	2898	16	10.1007/s11947-024-03642-3	Springer	19355130		Scopus
122	Article	Pandit S.K.; Das G.	Multifunctional red-emissive AIEgens as DNA-intercalating ligands: dual sensing of pH and viscosity accompanied by tissue imaging	2025	Analyst	150	6	1167	1175	8	10.1039/d5an00025d	Royal Society of Chemistry	32654		Scopus
123	Article	Kumari J.; Rahul; Agarwal P.	Impact of heat treatment on properties of molybdenum oxide thin films and performance of MoO3-x based c-Si solar cells	2025	Materials Today Communications	43					10.1016/j.mtcomm.2025.111603	Elsevier Ltd	23524928		Scopus
124	Article	Ganesh Kumar A.S.; Senthilvelan S.; Ravichandran V.M.; Selva Shunmugam P.; Kamalanathan V.	Scientific characterization of the Siddha medicine Pavala parpam manufacturing	2025	Journal of Ayurveda and Integrative Medicine	16	2				10.1016/j.jaim.2024.101079	Elsevier B.V.	9759476	All Open Access; Gold Open Access	Scopus
125	Article	Porashar B.; Choudhury C.; Saikia A.K.	Synthesis of 2,4-Diaminoquinazolines and 2-Amino-4-iminoquinazolines via Substrate-Controlled Annulation of 2-Aminobenzonitriles and Carbodiimides	2025	ChemistrySelect	10	8				10.1002/slct.202405899	John Wiley and Sons Inc	23656549		Scopus
126	Article	Singh H.; Nandy M.K.	Taming the classically divergent curvature in self-adjoint quantum black holes	2025	General Relativity and Gravitation	57	2				10.1007/s10714-025-03373-6	Springer	17701		Scopus
127	Article	Chellappa V.; Salve U.R.	Identification of Causes and Individuals at Risk of Falls during Vertical Formwork Operation in Construction	2025	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering	11	1				10.1061/AJRUA6.RUENG-1304	American Society of Civil Engineers (ASCE)	23767642		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
128	Article	Sarma R.; Kapil S.; Joshi S.N.	A comparative analysis of trochoidal toolpath with traditional toolpaths used in wire arc-based directed energy deposition process	2025	Progress in Additive Manufacturing	10	2	1587	1604	17	10.1007/s40964-024-00727-5	Springer Science and Business Media Deutschland GmbH	23639512		Scopus
129	Article	Sarkar S.; Kandasamy T.; Ghosh S.S.	Imatinib Impedes EMT and Notch Signalling by Inhibiting p300 Acetyltransferase in Breast Cancer Cells	2025	Molecular Carcinogenesis	64	2	344	356	12	10.1002/mc.23848	John Wiley and Sons Inc	8991987		Scopus
130	Article	Ghosh J.; Tailor N.K.; Ghosh K.; Jayarathne J.; Choudhary S.; Crean C.; Giri P.K.; Satapathi S.; Sellin P.	Cs2AgBiBr6 Double Perovskite Single Crystal/ CsPbBr3 Perovskite Nanocrystals Heterojunction for High-Performance X-Ray Detection	2025	Advanced Optical Materials	13	5				10.1002/adom.202402497	John Wiley and Sons Inc	21951071	All Open Access; Hybrid Gold Open Access	Scopus
131	Article	Pandit S.K.; Das G.	Fluorescence detection of spermine and spermidine using a poly-carboxylate receptor and ensemble-based formalin sensing in real samples	2025	New Journal of Chemistry	49	10	3930	3936	6	10.1039/d4nj04965a	Royal Society of Chemistry	11440546		Scopus
132	Article	Chaudhari H.; Sundaravadivelu P.K.; Kulkarni R.; Bhuyan M.K.; Thummer R.P.	Cumulative learning based segmentation aided cell mixtures classification in digital holographic microscopy	2025	Optics and Laser Technology	181					10.1016/j.optlastec.2024.112029	Elsevier Ltd	303992		Scopus
133	Article	Banerjee K.; Sufian A.; Bhabak K.P.	Structurally Innovative Benzimidazole-fused Ionic Organoselenium Compounds: Prevalence of Se---N/Se Chalcogen Bonds with the Selenocyanate Receptor	2025	European Journal of Organic Chemistry	28	7				10.1002/ejoc.202401245	John Wiley and Sons Inc	1434193X		Scopus
134	Article	Shukla V.; Umesh; Purohit A.	Berberine-Loaded Nanoparticles Combat Oxidative and Nitrosative Stress to Reprogram Macrophages in Rheumatoid Arthritis	2025	BioNanoScience	15	1				10.1007/s12668-024-01637-0	Springer	21911630		Scopus
135	Article	Baruah K.; Singh A.K.; Lyndem S.; Kumari K.; Jha A.N.; Singha Roy A.	Fundamental Understanding of Bio-Nano Interface of Lysozyme on Psidium guajava Polyphenol Coated Silver Nanoparticles: Mechanistic Insights into the Effect of Protein Corona on the Antibacterial Efficacy	2025	Langmuir	41	4	2899	2915	16	10.1021/acs.langmuir.4c04832	American Chemical Society	7437463		Scopus
136	Article	Paul S.; Chattopadhyay A.	Multistep Phase Transition and Molecular Reaction of Plasmonic Nanoparticles at the Three-Phase Contact Line of an Evaporating Sessile Droplet	2025	Journal of Physical Chemistry C	129	8	4250	4260	10	10.1021/acs.jpcc.4c08222	American Chemical Society	19327447		Scopus
137	Article	Debnath S.; Dey S.; Giri P.K.	Exploring Moiré Superlattices and Memristive Switching in Non-van der Waals Twisted Bilayer Bi2O2Se	2025	ACS Applied Materials and Interfaces	17	5	8219	8230	11	10.1021/acsami.4c23080	American Chemical Society	19448244		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
138	Article	Srinivas D.; Panda B.; Suraneni P.; Sitharam T.G.	Influence of mixture composition and carbonation curing on properties of sustainable 3D printable mortars	2025	Journal of Cleaner Production	492					10.1016/j.jclepro.2025.144894	Elsevier Ltd	9596526		Scopus
139	Article	Parui R.; Roy H.; Meher N.; Ghosh S.S.; Iyer P.K.	Mechanistic investigation on cellular internalization triggering structure-induced conformational modulation of boron-nitrogen luminogens	2025	Chemical Science	16	14	6023	6034	11	10.1039/d4sc08296f	Royal Society of Chemistry	20416520	All Open Access; Gold Open Access	Scopus
140	Article	Madhu K.; Dhal M.K.; Banerjee A.; Katiyar V.; Kumar A.	Melt-processed cast films of calcite reinforced starch/guar-gum biopolymer composites for packaging applications	2025	Journal of Materials Science	60	5	2689	2708	19	10.1007/s10853-025-10627-w	Springer	222461		Scopus
141	Article	Roy-Chowdhury M.; Sarkar T.; Weise B.; Sang Choi E.; Wen Z.; Thota S.	Non-equilibrium spin dynamics of the frustrated trication spinel ZnMnCoO4in the hierarchical free-energy framework	2025	Journal of physics. Condensed matter : an Institute of Physics journal	37	13				10.1088/1361-648X/adb194		1361648X		Scopus
142	Article	Saha D.; Pal S.	Study of mechanical behaviour and microsegregation in interdendritic region of a single-pass plasma arc welding of thick IN625 plate	2025	Archives of Civil and Mechanical Engineering	25	2				10.1007/s43452-025-01157-y	Springer Science and Business Media Deutschland GmbH	16449665		Scopus
143	Article	Srivastava H.; Mankodi T.K.; Myong R.S.	Second-order constitutive relations and their topologies for rotational non-equilibrium in diatomic gas flows using a multi-temperature approach	2025	Physics of Fluids	37	3				10.1063/5.0259816	American Institute of Physics	10706631		Scopus
144	Article	Shet K H.N.; Moholkar V.S.	Comparative life cycle analysis of hydrogen fuel cell electric vehicles and battery electric vehicles: An Indian perspective	2025	International Journal of Hydrogen Energy	103		729	739	10	10.1016/j.ijhydene.2025.01.254	Elsevier Ltd	3603199		Scopus
145	Article	Vikhe R.; Masure S.; Das M.K.; Mishra A.; Sreehari E.; Kulhari U.; Sahu B.D.; Sharma L.N.; Loganathan S.; Kumar S.	Fabrication, Characterization, and Clinical Assessment of Ultrathin Skin-Conformable Tattoo Electrodes for ECG Monitoring	2025	ACS Applied Electronic Materials	7	4	1611	1621	10	10.1021/acsaelm.4c02263	American Chemical Society	26376113		Scopus
146	Article	Nehra M.K.; Bora S.N.	Response of a floating ice sheet due to a moving load in the presence of a porous sea-bed	2025	Journal of Ocean Engineering and Marine Energy	11	1	65	78	13	10.1007/s40722-024-00362-w	Springer Science and Business Media Deutschland GmbH	21986444		Scopus
147	Article	Baishya B.; Sarma A.K.	Inferring sediment deposition trend in data scared wetland impacted by degraded urban catchment	2025	International Journal of Sediment Research	40	1	129	145	16	10.1016/j.ijsrc.2024.10.007	KeAi Communications Co.	10016279	All Open Access; Hybrid Gold Open Access	Scopus
148	Article	Dakua P.K.; Kumar N.N.; Ganesan S.; Hamid J.A.; Kumar M.R.; Saini S.; Pathak P.K.; Alkhayyat A.; Bhattarai S.	A Parametric Analysis of CZTS/CdTe Heterostructure Solar Cell Based on SCAPS 1D	2025	Journal of Electronic Materials	54	3	1841	1850	9	10.1007/s11664-024-11709-2	Springer	3615235		Scopus
149	Article	Kotha A.S.; Madhukar P.; Punugupati G.; Rao C.S.P.; Barmavatu P.; Gugulothu S.K.	Laser-assisted machining of niobium alloy (C-103): effects of process parameters on cutting force and surface finish	2025	International Journal on Interactive Design and Manufacturing	19	3	2235	2247	12	10.1007/s12008-025-02233-6	Springer-Verlag Italia s.r.l.	19552513		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
150	Article	Chandrashekar P.; Karmakar A.; Aparna R.K.; Singh L.; Mondal P.K.; Kundu S.; Bhattacharyya K.; Mandal S.	Linker driven site-specific catalysis in atomically precise silver cluster assemblies	2025	Chemical Science	16	13	5726	5734	8	10.1039/d4sc08408j	Royal Society of Chemistry	20416520	All Open Access; Gold Open Access	Scopus
151	Article	Bhattacharyya H.; Saha S.; Verma K.; Punniyamurthy T.	Palladium-catalyzed substrate-switchable C-H alkenylation and alkylation of benzoic acids using MBH alcohols	2025	Chemical Communications	61	21	4200	4203	3	10.1039/d4cc06691j	Royal Society of Chemistry	13597345		Scopus
152	Article	Gupta J.; Bhattacharjee R.; Kanagaraj S.; Sikdar D.	Improving Signal-to-Noise Ratio of 1.5T MRI Scans Using High-Q Resonators Based on Coupled Octa-Spirals	2025	Advanced Theory and Simulations	8	2				10.1002/adts.202400848	John Wiley and Sons Inc	25130390		Scopus
153	Article	Kumar A.; Saikia P.J.; Narayanan R.G.; Muthu N.	Experimental and numerical analysis of mixed mode bending of adhesive-bonded and hybrid honeycomb core sandwich structures	2025	International Journal of Solids and Structures	309					10.1016/j.ijsolstr.2024.113177	Elsevier Ltd	207683		Scopus
154	Article	Kataria A.K.; Dubey A.K.; Mohanty K.; Sasmal S.	Pretreatment strategy for enhanced lipid extraction from algal biomass in bio-oil production	2025	Indian Journal of Chemical Technology	32	2	190	202	12	10.56042/ijct.v32i2.15242	National Institute of Science Communication and Policy Research	0971457X		Scopus
155	Article	Barman D.; Rajamalli P.; Bidkar A.P.; Sarmah T.; Ghosh S.S.; Zysman-Colman E.; Iyer P.K.	Modulation of Donor in Purely Organic Triplet Harvesting AIE-TADF Photosensitizer for Image-guided Photodynamic Therapy	2025	Small	21	7				10.1002/sml.202409533	John Wiley and Sons Inc	16136810		Scopus
156	Article	Sonal S.; Arya A.K.; Srivastava A.; Gupta B.; Mishra B.K.	Understanding the role of oxidants for enhanced remediation of groundwater nitrate: An insight into surface modification	2025	Materials Science and Engineering: B	313					10.1016/j.mseb.2024.117872	Elsevier Ltd	9215107		Scopus
157	Article	Panda S.; Chakraborty S.; Hazra B.	A general framework for symplectic geometric integration for stochastically excited Hamiltonian systems on manifolds	2025	International Journal of Non-Linear Mechanics	170					10.1016/j.ijnonlinmec.2024.105001	Elsevier Ltd	207462		Scopus
158	Article	Debnath S.; Basu S.	Studying magnon band topology through low-energy magnon excitations: role of anisotropic Dzyaloshinskii-Moriya interaction	2025	Journal of Physics Condensed Matter	37	8				10.1088/1361-648X/ad9979	Institute of Physics	9538984	All Open Access; Green Open Access	Scopus
159	Article	Deka D.; Ravi K.; Nair A.M.	Impact of urbanisation on groundwater vulnerability in shallow aquifer system of Assam: A DRASTIC approach	2025	Urban Climate	59					10.1016/j.uclim.2025.102299	Elsevier B.V.	22120955		Scopus
160	Article	Ray S.; Mohapatra A.; Kashyap P.; Latika; Bhaumik S.	Ultrasensitive temperature sensing based on color tunable CsPbX3@MOF nanocomposites and their electrospun microfibers for down-converted WLED application	2025	Journal of Alloys and Compounds	1015					10.1016/j.jallcom.2025.178867	Elsevier Ltd	9258388		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
161	Article	Roy S.; Tripathi D.; Padinhatteeri S.; Ramaprakash A.N.; Sarwade A.R.; Nived V.N.; Sarkar J.; Gopalakrishnan R.; Deogaonkar R.; Sankarasubramanian K.; Solanki S.K.; Nandy D.; Banerjee D.	Near- and Mid-ultraviolet Observations of X-6.3 Flare on 2024 February 22 Recorded by the Solar Ultraviolet Imaging Telescope on board Aditya-L1	2025	Astrophysical Journal Letters	981	1				10.3847/2041-8213/adb0be	American Astronomical Society	20418205		Scopus
162	Article	Kishore P.; Mondal A.; Trivedi A.; Singh P.; Alankar A.	A microstructure sensitive machine learning-based approach for predicting fatigue life of additively manufactured parts	2025	International Journal of Fatigue	192					10.1016/j.ijfatigue.2024.108724	Elsevier Ltd	1421123		Scopus
163	Article	Mohit K.; Pugazhenth G.; Vasanth D.	Preparation and Characterization of Gold Nanoparticles from Bacterial Source and Their Separation Using Low-Cost Zirconia Composite Membrane	2025	Arabian Journal for Science and Engineering	50	6	3763	3777	14	10.1007/s13369-024-09154-8	Springer Nature	2193567X		Scopus
164	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.; Bannister E.; Barros A.; Bashar S.; 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.; 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.; Ding P.; Djurcic Z.; Dobbs K.; Dolce M.; Doyle D.; Tonguino D.D.; Dukes E.C.; Dye A.; Ehrlich R.; Ewart E.; Filip P.; 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.; Horoho T.; Ivaneev Y.; Ivanova A.; Jargowsky B.; Jarosz J.; Johnson C.; Judah M.;	Measurement of $d\sigma/d q \rightarrow dE_{avail}$ in charged current $\nu\mu$ -nucleus interactions at $E_{\nu}=1.86$ GeV using the NOvA Near Detector	2025	Physical Review D	111	5				10.1103/PhysRevD.111.052009	American Physical Society	24700010		Scopus
165	Article	Aye T.N.; Fukuda Y.; Ohashi F.; Jha H.S.; Kumar R.; Agarwal P.; Kume T.	Synthesis of Na-Cu-Ge ternary clathrates with type I and II structures in film form	2025	Journal of Solid State Chemistry	343					10.1016/j.jssc.2024.125155	Academic Press Inc.	224596		Scopus
166	Article	Sharma G.; Mallick R.; Vairakannu P.	Microwave assisted in-situ gasification chemical looping combustion of coal using different oxygen carrier integrated with chemical production unit	2025	International Journal of Greenhouse Gas Control	141					10.1016/j.ijggc.2025.104325	Elsevier Ltd	17505836		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
167	Review	Pegu O.A.; Moral R.; Das G.	Anion Coordination Chemistry: An Expedition Towards Designing of Functional Materials	2025	Chemistry - An Asian Journal	20	3				10.1002/asia.202401236	John Wiley and Sons Ltd	18614728	All Open Access; Bronze Open Access	Scopus
168	Article	Goyal U.; Mallick R.; Vairakannu P.	A preliminary study of thermal plasma gasification of an automobile waste under CO2 atmosphere for high calorific value syngas production	2025	Chemical Engineering Research and Design	214		369	376	7	10.1016/j.cherd.2025.01.013	Institution of Chemical Engineers	2638762		Scopus
169	Article	Annapureddy P.K.R.; Kishore N.	Kinetics, thermodynamics and rate equations of co-pyrolysis of Polyalthia Longifolia leaves and polypropylene grocery bags	2025	Bioresource Technology Reports	29					10.1016/j.biteb.2025.102069	Elsevier Ltd	2589014X		Scopus
170	Article	Raj R.; Tsai J.-T.; Prajapati M.J.; Jeng J.-Y.	Lattice-based interpenetrating phase composite metamaterial fabricated with hybrid material extrusion process for tunable mechanical properties	2025	Journal of Materials Research and Technology	35		2955	2972	17	10.1016/j.jmrt.2025.01.217	Elsevier Editora Ltda	22387854	All Open Access; Gold Open Access	Scopus
171	Article	Saini R.; Goswami R.N.; Sharma O.P.; Singh R.; Kumar A.; Kumar N.; Khatri O.P.	Graphene–Nickel Oxide–Polyaniline Ternary Nanocomposite-Embedded Epoxy Coating on Mild Steel for Corrosion Protection	2025	Advanced Engineering Materials	27	5				10.1002/adem.202402332	John Wiley and Sons Inc	14381656		Scopus
172	Article	Banerjee P.; Dey C.; Kumar M.C.; Ravindran V.	Pseudoscalar Higgs boson decay to three parton amplitudes at NNLO to higher orders in the dimensional regulator	2025	Physical Review D	111	5				10.1103/PhysRevD.111.054037	American Physical Society	24700010		Scopus
173	Article	Barman J.; Ananda S.; Pan S.C.	Stereoselective (3 + 3)-Cycloannulation of Carbonyl Ylides and (Z)-3-Benzylidene-3H-indoles Enabled by Cooperative Rh/Chiral Phosphoric Acid Catalysis	2025	Organic Letters	27	8	1929	1934	5	10.1021/acs.orglett.5c00188	American Chemical Society	15237060		Scopus
174	Article	Choudhury P.; Boruah B.R.	Neural network-assisted localization of clustered point spread functions in single-molecule localization microscopy	2025	Journal of Microscopy	297	2	153	164	11	10.1111/jmi.13362	John Wiley and Sons Inc	222720		Scopus
175	Article	Mallik R.; Saha M.; Ghosh B.; Chauhan N.; Mohan H.; Kumaran S.S.; Mukherjee C.	Folate Receptor Targeting Mn(II) Complex Encapsulated Porous Silica Nanoparticle as an MRI Contrast Agent for Early-State Detection of Cancer	2025	Small	21	7				10.1002/smll.202401787	John Wiley and Sons Inc	16136810		Scopus
176	Article	Samanta B.; Saha S.; Ghosh R.; Maity S.; Mondal B.	Reaction of a Nitrosyl Complex of Co(II)-Porphyrin with Hydrogen Peroxide: Formation of a Porphyrin Radical Cation	2025	Chemistry - An Asian Journal	20	3				10.1002/asia.202401082	John Wiley and Sons Ltd	18614728		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
177	Article	Barman B.; Basu A.; Borah D.; Chakraborty A.; Roshan R.	Testing leptogenesis and dark matter production during reheating with primordial gravitational waves	2025	Physical Review D	111	5				10.1103/PhysRevD.111.055016	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
178	Article	Panwar P.; Rawat S.; Yadav R.; He J.Z.; Wong H.P.H.; Sastri C.V.; de Visser S.P.	Influence of Asymmetrical Ligand Substitution on the Formation, Stability, and Reactivity of Ruthenium(III)-Hypochlorite Complexes	2025	Chemistry - A European Journal	31	11				10.1002/chem.202403892	John Wiley and Sons Inc	9476539		Scopus
179	Article	Biswas S.; Pan S.C.	Organocatalytic asymmetric desymmetrization of cyclopentene-1,3-diones via a formal diaza-ene reaction with donor-acceptor hydrazones	2025	Organic Chemistry Frontiers	12	8	2651	2657	6	10.1039/d5qo00081e	Royal Society of Chemistry	20524110		Scopus
180	Article	Qais I.; Bhawal C.; Pal D.	Singular LQR optimal control of DAEs: A feedback solution	2025	Automatica	173					10.1016/j.automatica.2024.112060	Elsevier Ltd	51098		Scopus
181	Article	Samalla S.; Chunchu M.	Comprehensive safety evaluation of Powered Two-Wheeler riding maneuvers in urban mixed traffic with Weak-Lane-Discipline	2025	Transportation Research Part F: Traffic Psychology and Behaviour	109		739	753	14	10.1016/j.trf.2025.01.008	Elsevier Ltd	13698478		Scopus
182	Article	Ravi R.; Bhan C.; Golder A.K.	Bio-analytic synthesis of Cu-doped TiO2 for photocatalytic degradation of ciprofloxacin under visible light	2025	Optical Materials	159					10.1016/j.optmat.2024.116577	Elsevier B.V.	9253467		Scopus
183	Article	Verma A.M.; Kishore N.	Efficient CO2 reduction to methane on Ru2-based adjacent vacant graphene catalysts: insights into bimetallic synergies, thermodynamics, and kinetics	2025	Catalysis Science and Technology	15	7	2379	2394	15	10.1039/d5cy00005j	Royal Society of Chemistry	20444753		Scopus
184	Article	Shrivastava M.; Goyal A.	Unveiling the structural and functional perspectives of a bifunctional α -L-arabinofuranosidase/endo- β -1,4-xylanase (BoGH43_35) from Bacteroides ovatus	2025	Archives of Biochemistry and Biophysics	764					10.1016/j.abb.2024.110232	Academic Press Inc.	39861		Scopus
185	Article	Bhardwaj A.; Islam M.; Panwar A.; Kumar G.	Tuning of parity-time symmetry effect through exceptional points in non-Hermitian terahertz metasurface	2025	Journal of Applied Physics	137	5				10.1063/5.0248964	American Institute of Physics	218979	All Open Access; Hybrid Gold Open Access	Scopus
186	Article	Pramanick S.; Jana S.; Mandal P.S.	Fault-tolerant mutual visibility without any axis agreement in presence of mobility failure	2025	Theoretical Computer Science	1025					10.1016/j.tcs.2024.114970	Elsevier B.V.	3043975		Scopus
187	Article	Mondal A.; Phukan H.J.; Mohar K.; Pal D.; Sharma R.; Purkayastha S.; Guha A.K.; Srimani D.	Designing a NNO-manganese complex overcoming steric constraints in (de)hydrogenative coupling	2025	Chemical Communications	61	25	4796	4799	3	10.1039/d5cc00048c	Royal Society of Chemistry	13597345		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
188	Article	Khuntia R.; Maity D.; Chandra Pan S.	Catalytic Asymmetric De Novo Synthesis of Chiral Pyrroles Through Desymmetrizing Oxidative [3+2]-Cycloaddition and the Van Leusen Reaction	2025	Chemistry - A European Journal	31	12				10.1002/chem.202404511	John Wiley and Sons Inc	9476539		Scopus
189	Article	Narayanan V.L.; Narayan J.; Dhaked D.K.; Telmoudi A.J.	Elman Neural Network with Customized Particle Swarm Optimization for Hydraulic Pitch Control Strategy of Offshore Wind Turbine	2025	Processes	13	3				10.3390/pr13030808	Multidisciplinary Digital Publishing Institute (MDPI)	22279717	All Open Access; Gold Open Access	Scopus
190	Article	More P.A.; Therattil J.T.; Bharadwaj N.	Work-Zone Safety Analysis: Evaluating Rear-End Crash Risk with Extreme Value Theory	2025	Transportation Research Record	2679	2	846	861	15	10.1177/03611981241263820	SAGE Publications Ltd	3611981		Scopus
191	Article	Mukherjee A.; Tiwari S.	On positive solutions of the nonlocal Yamabe type equation in compact Riemannian manifold	2025	Journal of Mathematical Analysis and Applications	542	2				10.1016/j.jmaa.2024.128808	Academic Press Inc.	0022247X		Scopus
192	Article	Debruyen E.; Ghumman N.Z.; Peng J.; Tiwari H.K.; Gogoi-Tiwari J.	Alternative approaches for bovine mastitis treatment: A critical review of emerging strategies, their effectiveness and limitations	2025	Research in Veterinary Science	185					10.1016/j.rvsc.2025.105557	Elsevier B.V.	345288	All Open Access; Hybrid Gold Open Access	Scopus
193	Article	Negi B.B.; Umesh; Das C.	Novel insights into mycoremediation mechanism of petroleum refinery wastewater using Phanerochaete chrysosporium: An experimental and computational approach	2025	Journal of Water Process Engineering	70					10.1016/j.jwpe.2025.107119	Elsevier Ltd	22147144		Scopus
194	Article	Roy S.; Basu S.; Khaymovich I.M.	Ergodicity-breaking phase diagram and fractal dimensions in long-range models with generically correlated disorder	2025	Physical Review B	111	10				10.1103/PhysRevB.111.104203	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
195	Article	Datta A.; Sarkar T.; Roy-Chowdhury M.; Tiwari P.; Singh H.; Dey J.K.; Thota S.	Evolution of tunable energy bandgap and magnetic anisotropy in Mn substituted ferrimagnetic nickel-chromates	2025	Journal of Physics Condensed Matter	37	7				10.1088/1361-648X/ad9537	Institute of Physics	9538984		Scopus
196	Article	Pal N.; Banerjee K.; Sarkar S.; Mandal T.K.; Bhabak K.P.	Synthesis of Thiazolidinedione- and Triazole-Linked Organoselenocyanates and Evaluation of Anticancer Activities Against Breast Cancer with Mechanistic Investigations	2025	Chemistry - A European Journal	31	11				10.1002/chem.202403026	John Wiley and Sons Inc	9476539		Scopus
197	Review	Chaudhary S.; Siddiqui J.A.; Pothuraju R.; Bhatia R.	Ribosome biogenesis, altered metabolism and ribotoxic stress response in pancreatic ductal adenocarcinoma tumor microenvironment	2025	Cancer Letters	612					10.1016/j.canlet.2025.217484	Elsevier Ireland Ltd	3043835		Scopus
198	Review	Kaur R.; Pandey S.; Gupta S.; Singh J.	Harnessing the potential of long non-coding RNAs in the pathophysiology of Alzheimer's disease	2025	Experimental Neurology	385					10.1016/j.expneurol.2024.115134	Academic Press Inc.	144886		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
199	Article	Paral S.K.; Jeng J.-Y.; Wu C.-H.; Lin G.-W.; Cheng Y.-L.; Lin D.-Z.	Nanoscale roughness to mitigate polydimethylsiloxane (PDMS) sticking in liquid crystal display (LCD) vat photopolymerization (VPP): Separation force reduction without losing resolution	2025	Applied Surface Science	683					10.1016/j.apsusc.2024.161773	Elsevier B.V.	1694332		Scopus
200	Article	Kumar S.; Manivannan V.	De Novo Construction of Benzene Ring: Synthesis of 2,4,6-Trisubstituted Benzophenones Using NaH Promoted Cascade Reaction of Arylmethyl Ketone and Aromatic Aldehyde	2025	ChemistrySelect	10	6				10.1002/slct.202405611	John Wiley and Sons Inc	23656549		Scopus
201	Article	Das R.; Paria A.; Giri P.K.	Machine learning framework for selective and sensitive metal ion sensing with nitrogen-doped graphene quantum dots heterostructure	2025	Carbon	232					10.1016/j.carbon.2024.119800	Elsevier Ltd	86223		Scopus
202	Article	Singh M.; Das S.	Role of thermal conduction in relativistic hot accretion flow around rotating black hole with shock	2025	Journal of Cosmology and Astroparticle Physics	2025	2				10.1088/1475-7516/2025/02/068	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
203	Review	Karim S.; Tanwar N.; Das S.; Ranjit R.; Banerjee A.; Gulafshan N.; Gupta A.; Kumar A.; Dutta A.	Shaping the Future of Green Hydrogen Production: Overcoming Conventional Challenges with Molecular Catalysts, Immobilization, and Scalable Electrolyzers	2025	ACS Catalysis	15	2	1073	1096	23	10.1021/acscatal.4c05986	American Chemical Society	21555435		Scopus
204	Article	Parashar S.; Muthukumar P.; Soti A.K.	Experimental study on embedded cooling tube type metal hydride reactor for hydrogen storage, space heating and cooling applications	2025	Thermal Science and Engineering Progress	58					10.1016/j.tsep.2024.103183	Elsevier Ltd	24519049		Scopus
205	Article	Kumar K.; Kwon S.; Bae S.	Deep reinforcement learning-based control strategy for integration of a hybrid energy storage system in microgrids	2025	Journal of Energy Storage	108					10.1016/j.est.2024.114936	Elsevier Ltd	2352152X		Scopus
206	Article	Chutia K.; Saikia P.; Dutta D.; Das B.; Gogoi P.	Synthesis of 6H-Benzo[c]chromene Scaffolds: A Synthetic Strategy of Pd-Catalyzed Annulation Followed by Aerial Oxidation	2025	Journal of Organic Chemistry	90	2	1137	1147	10	10.1021/acs.joc.4c02780	American Chemical Society	223263		Scopus
207	Article	Bommana D.; Kumar A.; Sahoo N.; Dwivedy S.K.; Senapati N.P.	Effect of high temperature compressive deformation on microstructure and mechanical characteristics of closed cell AA6061-B4C-Gr nanoparticles hybrid composite foam	2025	Journal of Alloys and Compounds	1012					10.1016/j.jallcom.2024.178218	Elsevier Ltd	9258388		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
208	Article	Talukdar P.; Baruah K.N.; Barman P.J.; Sharma S.; Uppaluri R.V.S.	Development and Characterization of Refractance Window-Dried Curcuma longa Powder Fortified with NaFeEDTA and Folic Acid: A Study on Thermal, Morphological, and In Vitro Bio Accessibility Properties	2025	Foods	14	4				10.3390/foods14040658	Multidisciplinary Digital Publishing Institute (MDPI)	23048158		Scopus
209	Article	Bhatt G.; Singh A.; Panda A.N.; Mitra S.; Rangan L.	Glabin from Pongamia pinnata: Structural Insights and Antibacterial Potential	2025	National Academy Science Letters	48	1	27	31	4	10.1007/s40009-024-01429-w	Springer	0250541X		Scopus
210	Article	Kumar R.; Bharti P.; Yeo R.J.; Gooh Pattader P.S.; Srivastava A.K.; Sankaranarayanan S.K.R.S.; Dhand C.; Dwivedi N.	Atomic-to-nanoscale thickness-driven tunable carbon and interface-chemistry immensely control tribo-interface and metal-oxidation	2025	Carbon	233					10.1016/j.carbon.2024.119912	Elsevier Ltd	86223		Scopus
211	Article	Das K.; Dansena S.K.; Pottipati S.; Maturi K.C.; Dhal G.C.; Kalamdhad A.S.	Sustainable remediation of abandoned coal mines using vermicompost: a case study in Ledo coal mine, India	2025	Environmental Geochemistry and Health	47	2				10.1007/s10653-024-02355-y	Springer	2694042		Scopus
212	Article	Senapati D.; Bhagat P.; Karfa C.; Sarkar A.	SHIELD: Security-Aware Scheduling for Real-Time DAGs on Heterogeneous Systems	2025	ACM Transactions on Cyber-Physical Systems	9	1				10.1145/3702236	Association for Computing Machinery	2378962X	All Open Access; Bronze Open Access	Scopus
213	Article	Viswanathan S.; Reddy B.S.M.; Subbiah S.	A 1-D model for hollow fiber vacuum membrane distillation: Performance and design analysis	2025	Journal of Water Process Engineering	70					10.1016/j.jwpe.2025.106984	Elsevier Ltd	22147144		Scopus
214	Article	Gautam A.K.; Tiwari R.	Integrated analysis of additive and multiplicative internal excitation parameters in misaligned-bowed-internally damped rotor systems with active magnetic bearings: Numerical and experimental identification	2025	Journal of Sound and Vibration	595					10.1016/j.jsv.2024.118794	Academic Press	0022460X		Scopus
215	Article	Debnath M.; Sarma A.K.	Assessment of climate change impact on irrigation water demand for food security in rice-fallow cropland areas using an integrated modeling technique	2025	Theoretical and Applied Climatology	156	2				10.1007/s00704-024-05246-5	Springer	0177798X		Scopus
216	Article	Basak M.; Nemade H.B.; Bandyopadhyay D.	Silver shelled gold nanorods for sensitive detection of cholesterol and triglycerides	2025	Biosensors and Bioelectronics	268					10.1016/j.bios.2024.116885	Elsevier Ltd	9565663		Scopus
217	Article	Nath Dhara H.; Manna S.; Patel B.K.	A Cascade Synthesis of Furo-Pyrrolo-Pyridines via Pd(II)-Catalyzed Dual N–H/C Annulative-Cyclization	2025	Chemistry - A European Journal	31	4				10.1002/chem.202403470	John Wiley and Sons Inc	9476539	All Open Access; Bronze Open Access	Scopus
218	Article	Chakraborty A.; Sen A.; Biswas D.	Local institutional strategies and responses to climate change risks in the Indian Sundarbans: A political economic analysis	2025	Environment and Planning E: Nature and Space	8	1	344	365	21	10.1177/25148486241295536	SAGE Publications Inc.	25148486		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
219	Article	Mangal M.; Rao C.V.; Das N.K.; Bose S.; Banerjee T.	Impact of cellulose enrichment on castor oil polyurethane sheets: A path to greener materials	2025	Journal of Applied Polymer Science	142	3				10.1002/app.56364	John Wiley and Sons Inc	218995	All Open Access; Bronze Open Access	Scopus
220	Article	Pratap S.; Ito K.; Hazarika S.M.	Synergistic grasp analysis: A cross-sectional exploration using a multi-sensory data glove	2025	Wearable Technologies	6					10.1017/wtc.2024.25	Cambridge University Press	26317176	All Open Access; Gold Open Access	Scopus
221	Article	Das A.; Sengupta P.; Chatterjee S.; Khanam J.; Mondal P.K.; Romero E.L.; Manakhov A.M.; Thomas S.; Mahmood S.; Ghosal K.	Development and Evaluation of Magnetite Loaded Alginate Beads Based Nanocomposite for Enhanced Targeted Analgesic Drug Delivery	2025	Magnetochemistry	11	2				10.3390/magnetochemistry11020014	Multidisciplinary Digital Publishing Institute (MDPI)	23127481	All Open Access; Gold Open Access	Scopus
222	Review	Mulpuri S.K.; Sah B.; Kumar P.	An intelligent battery management system (BMS) with end-edge-cloud connectivity - a perspective	2025	Sustainable Energy and Fuels	9	5	1142	1159	17	10.1039/d4se01238k	Royal Society of Chemistry	23984902	All Open Access; Hybrid Gold Open Access	Scopus
223	Article	Devi L.S.; Paily R.; Dasmahapatra A.K.	Platinum embedded conducting polyaniline/polyvinyl alcohol hydrogel for enhanced glucose biomolecule detection	2025	Polymer	317					10.1016/j.polymer.2024.127947	Elsevier Ltd	323861		Scopus
224	Article	Upadhyaya J.; Singh I.R.; Pun B.; Baishya H.J.; Kumar S.; Joshi S.R.; Mitra S.	Therapeutic Advantages of Nanoparticle-Impregnated Lysozyme Conjugates toward Amyloid-β Fibrillation and Antimicrobial Activity	2025	Journal of Physical Chemistry B	129	4	1274	1288	14	10.1021/acs.jpcc.4c07261	American Chemical Society	15206106		Scopus
225	Article	Mandal P.; Panda A.N.	Insight into the Excited States in Monomers and π-Stacked Dimers of Azulene-Fused Acenes: ADC(2) and TD-DFT Studies	2025	Journal of Physical Chemistry A	129	4	1085	1098	13	10.1021/acs.jpca.4c08515	American Chemical Society	10895639		Scopus
226	Article	Pandey A.; Kalamdhad A.S.; Sharma Y.C.	Deciphering adsorption behaviour and mechanisms of enhanced phosphate removal via optimized cetyltrimethylammonium bromide-modified nanofibrillated cellulose	2025	International Journal of Biological Macromolecules	288					10.1016/j.ijbiomac.2024.138743	Elsevier B.V.	1418130		Scopus
227	Article	Aouni Q.; Kouda S.; Mufasam Batoo K.; Farzik Ijaz M.; Shankar Sahoo G.; Bhattarai S.; Sasikumar P.; Bencherif H.	Achieving Quasi-Fermi level splitting near its radiative limit in efficient and stable 2D/3D perovskite solar Cells: Detailed balance model	2025	Solar Energy	286					10.1016/j.solener.2024.113144	Elsevier Ltd	0038092X		Scopus
228	Article	Nath N.; Bora B.R.; Gogoi R.; Raidongia K.	Synergetic Combination of Bio-Electrolytes and Bio-Fluidic Channels as a Novel Resource of Sustainable Energy	2025	Advanced Functional Materials	35	5				10.1002/adfm.202414506	John Wiley and Sons Inc	1616301X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
229	Review	Mahajan A.; Panzade G.; Bhuniya T.; Das P.; Bhattacharjee B.; Das S.; Chowdhury A.; Chakraborty K.; Guha S.; Samant A.; Dey A.; Ghosh S.	Revolutionizing lung cancer treatment: Introducing PROTAC therapy as a novel paradigm in targeted therapeutics	2025	Current Problems in Cancer	54					10.1016/j.currproblcan.2024.101172	Elsevier Inc.	1470272		Scopus
230	Article	Mallick N.S.	Measuring orbital angular momentum of a vortex beam with atom-based structured light	2025	Journal of the Optical Society of America B: Optical Physics	42	2	446	453	7	10.1364/JOSAB.537012	Optica Publishing Group (formerly OSA)	7403224		Scopus
231	Article	Deb R.; Singh A.; Dalal A.	Bridge Radius Evolution during Coalescence of Ferrofluid Droplets Suspended in a Nonmagnetic Outer Fluid	2025	Langmuir	41	1	403	419	16	10.1021/acs.langmuir.4c03702	American Chemical Society	7437463		Scopus
232	Article	Alam Md.A.; Hoque A.; Islam M.S.; Khatun N.; Sarmah M.P.; Islam A.K.M.M.; Sarma M.; Kole G.K.; Zangrando E.	An electrically conductive dinuclear aluminium complex for the fabrication of a Schottky diode	2025	RSC Advances	15	3	2132	2139	7	10.1039/d4ra07123a	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access	Scopus
233	Review	Ravi R.; Golder A.K.	Photocatalytic and biological degradation processes to mineralize pharmaceutically active compounds and catalyst recovery: A review	2025	Coordination Chemistry Reviews	523					10.1016/j.ccr.2024.216267	Elsevier B.V.	108545		Scopus
234	Article	Sharma N.; Laishram B.	Unveiling the Path to the Cost of Quality Implementation in the Construction Industry: Multivariate Analysis	2025	Journal of Construction Engineering and Management	151	2				10.1061/JCEMD4.COEN G-15651	American Society of Civil Engineers (ASCE)	7339364		Scopus
235	Review	Bintee B.; Banerjee R.; Hegde M.; Vishwa R.; Alqahtani M.S.; Abbas M.; Alqahtani A.; Rangan L.; Sethi G.; Kunnumakkara A.B.	Exploring bile acid transporters as key players in cancer development and treatment: Evidence from preclinical and clinical studies	2025	Cancer Letters	609					10.1016/j.canlet.2024.217324	Elsevier Ireland Ltd	3043835		Scopus
236	Article	Roy S.; Deka P.; Gogoi R.; Dey M.; Mayawad K.; Das B.K.; Datta K.K.R.; Raidongia K.	Fabrication of Robust Forward Osmosis Membrane by Assembling FeOxCly Nanoparticles	2025	Advanced Functional Materials	35	4				10.1002/adfm.202414087	John Wiley and Sons Inc	1616301X	All Open Access; Bronze Open Access	Scopus
237	Article	Singh T.J.; Singh S.R.; Sarmah P.	Distilling Knowledge in Machine Translation of Agglutinative Languages with Backward and Morphological Decoders	2025	ACM Transactions on Asian and Low-Resource Language Information Processing	24	1				10.1145/3703455	Association for Computing Machinery	23754699	All Open Access; Bronze Open Access	Scopus
238	Article	Behera P.K.; Deshpande V.; Kumar B.	Morphodynamics of mobile dunes with downward seepage	2025	Physics of Fluids	37	2				10.1063/5.0254572	American Institute of Physics	10706631		Scopus
239	Article	Banoo F.; Khijwania S.K.	Localized surface plasmon resonance-based optical fiber arsenic ion sensor employing Al2O3/GO nanocomposite	2025	Applied Optics	64	4	1019	1027	8	10.1364/AO.544358	Optica Publishing Group (formerly OSA)	1559128X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
240	Article	Borah D.; Das P.; Karmakar B.; Mahapatra S.	Discrete dark matter with light Dirac neutrinos	2025	Physical Review D	111	3				10.1103/PhysRevD.111.035032	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
241	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	431	458	27	10.1287/moor.2022.0139	INFORMS Inst.for Operations Res.and the Management Sciences	0364765X	All Open Access; Green Open Access	Scopus
242	Article	Tat S.A.; Muthukumar P.	Development of a Lab-scale combined sensible and latent heat storage system: A numerical and experimental study	2025	International Journal of Thermal Sciences	208					10.1016/j.ijthermalsci.2024.109387	Elsevier Masson s.r.l.	12900729		Scopus
243	Article	Kumar D.; Kumar M.	A novel maglev μ -EDM and its signal processing for machine condition monitoring on duplex stainless steel (DSS-2205)	2025	Mechanical Systems and Signal Processing	224					10.1016/j.ymssp.2024.112191	Academic Press	8883270		Scopus
244	Article	Deb D.; Mehta S.K.; Wongwises S.; Mondal P.K.	Augmented electronic cooling strategy: effect of foam pore size for forced convective flow through wavy canopy	2025	Microsystem Technologies	31	2	569	580	11	10.1007/s00542-024-05841-6	Springer Science and Business Media Deutschland GmbH	9467076		Scopus
245	Article	Ghosh P.; Iyer P.K.	Multifunctional Fluorescent Probes Unveiling Complex Pathways in Alzheimer’s Disease Pathogenesis	2025	Accounts of Materials Research	6	1	89	103	14	10.1021/accountsmr.4c00303	American Chemical Society	26436728	All Open Access; Hybrid Gold Open Access	Scopus
246	Article	Sarkar T.; Vignesh S.R.; Kumar Sundaravadivelu P.; Thummer R.P.; Satpati P.; Chatterjee S.	De Novo Design of Tryptophan Containing Broad-Spectrum Cationic Antimicrobial Octapeptides	2025	ChemMedChem	20	2				10.1002/cmdc.202400566	John Wiley and Sons Ltd	18607179		Scopus
247	Article	Sarkar S.; Shukla N.K.	Characterizations of Translation Generated Dual Frames Using Infimum Cosine Angle	2025	Results in Mathematics	80	1				10.1007/s00025-024-02352-8	Birkhauser	14226383		Scopus
248	Article	Sharma H.; Pathak D.; Tanwar N.; Tiwari P.; Sarma B.	Translating Solid-Phase Conformational Memory in the Prophecy of Multi-stimuli Responsive Low Molecular Weight Gels	2025	Chemistry - A European Journal	31	4				10.1002/chem.202403467	John Wiley and Sons Inc	9476539	All Open Access; Bronze Open Access	Scopus
249	Article	Kumar R.; Kashyap A.; Kumar P.; Choudhury D.; Shunmugam R.	Urea-Functionalized Degradable Material as an Efficient Adsorbent for Amphiphilic Dyes: Rhodamine B and Methylene Blue	2025	ChemistrySelect	10	2				10.1002/slct.202404420	John Wiley and Sons Inc	23656549		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
250	Article	Shikari A.; Chandra Pan S.	Iridium/Acid-Dual Catalyzed Enantioselective Intramolecular Allylic Dearomatization Reaction of Allylic Alcohol Tethered α - and β -Naphthols	2025	Chemistry - A European Journal	31	6				10.1002/chem.202403664	John Wiley and Sons Inc	9476539	All Open Access; Bronze Open Access	Scopus
251	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	14	10.1007/s13399-023-05240-3	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
252	Article	Pal A.; Soti A.K.	The effect of damping and aspect ratio on power extraction from vortex-induced vibration of elliptical cylinder	2025	Physics of Fluids	37	2				10.1063/5.0245013	American Institute of Physics	10706631		Scopus
253	Article	Acero M.A.; Acharya B.; Adamson P.; Aliaga L.; Anfimov N.; Antoshkin A.; Arrieta-Diaz E.; Asquith L.; Aurisano A.; Back A.; Backhouse C.; Baird M.; Balashov N.; Baldi P.; Bambah B.A.; Bashar S.; Bat A.; 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.; Chatla A.; Chirco R.; Choudhary B.C.; Choudhary S.; 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.; Dye A.; 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.; Jargowsky B.; Jarosz J.; Jediny F.;	Monte Carlo method for constructing confidence intervals with unconstrained and constrained nuisance parameters in the NOvA experiment	2025	Journal of Instrumentation	20	2				10.1088/1748-0221/20/02/T02001	Institute of Physics	17480221		Scopus
254	Article	Dhongde N.R.; Das N.K.; Hazarika J.; Park J.-G.; Banerjee T.; Rajaraman P.V.	Azoles as corrosion inhibitors in alkaline medium for ruthenium chemical mechanical planarization applications:Electrochemical and theoretical analysis	2025	Journal of Molecular Structure	1320					10.1016/j.molstruc.2024.139651	Elsevier B.V.	222860		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
255	Article	Devi L.S.; Mukherjee A.; Sharma S.; Katiyar V.; Dutta J.; Kumar S.	Natural wax-based edible coatings for preserving postharvest quality of mandarin orange	2025	Food Chemistry: X	26					10.1016/j.fochx.2025.102302	Elsevier Ltd	25901575	All Open Access; Gold Open Access; Green Open Access	Scopus
256	Article	Hossain I.; Ngoupo A.T.; Bhattarai S.; Challagulla S.P.; Sharma S.K.	Empirical survey on the effect of straight and wavy fins integrated with wind stream as heat sink of photovoltaic panels	2025	International Journal of Environmental Science and Technology	22	4	2479	2492	13	10.1007/s13762-024-05783-6	Springer Nature	17351472		Scopus
257	Article	Borah D.; Das N.	Successfulogenesis of baryon and dark matter from memory-burdened PBH	2025	Journal of Cosmology and Astroparticle Physics	2025	2				10.1088/1475-7516/2025/02/031	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
258	Article	Mishra R.K.; Chinnam S.; Mohanty K.	Kinetic behaviour and fast pyrolysis of Tamarindus indica seeds using Py-GC–MS	2025	Bioresource Technology Reports	29					10.1016/j.biteb.2024.102014	Elsevier Ltd	2589014X	All Open Access; Hybrid Gold Open Access	Scopus
259	Article	Mandal P.; Mondal A.; Pandey A.; Meitei S.R.; Bag A.	Investigating role of annealing in shaping morphological, structural, tribological, and optical characteristics of gallium oxide (Ga2O3): Insights from DFT analysis	2025	Journal of Alloys and Compounds	1011					10.1016/j.jallcom.2024.178367	Elsevier Ltd	9258388		Scopus
260	Article	Shahbazi S.; Coccia G.; Giakoumaki A.N.; Lang J.; Bharadwaj V.; Jelezko F.; Ramponi R.; Bennett A.J.; Hadden J.P.; Eaton S.M.; Kubanek A.	Vector magnetometry using shallow implanted NV centers in diamond with waveguide-assisted dipole excitation and readout	2025	APL Photonics	10	2				10.1063/5.0231203	American Institute of Physics	23780967	All Open Access; Gold Open Access; Green Open Access	Scopus
261	Article	Vasudev A.; Bharat T.V.	Prediction of permeability characteristics of mine slurries and sediments using finite-strain framework by optimisation algorithms	2025	Expert Systems with Applications	261					10.1016/j.eswa.2024.125495	Elsevier Ltd	9574174		Scopus
262	Article	Saha S.; Barman K.K.; Bora S.N.; Tsai C.-C.	Wave scattering by a coaxial pair of surface-piercing porous cylinder and bottomless thick annular cylinder	2025	Physics of Fluids	37	2				10.1063/5.0254942	American Institute of Physics	10706631		Scopus
263	Review	Ali S.; Prajapati M.J.; Bhat C.; Jiang C.-P.; Jeng J.-Y.	Additive manufactured enabled digital metallurgy processes, challenges and future prospects	2025	Applied Materials Today	42					10.1016/j.apmt.2024.102580	Elsevier Ltd	23529407		Scopus
264	Article	Bhattacharya S.; Jahedi S.; Lahiri J.; Wudka J.	Optimal new physics estimation in the presence of standard model backgrounds	2025	Physical Review D	111	3				10.1103/PhysRevD.111.036004	American Physical Society	24700010	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
265	Article	Pal S.K.; Prabhudesai V.S.; Mohanty K.; Vinu R.	Red Mud as a Potential Catalyst for Petrochemicals Production From Oxygenated Aromatic Plastic Wastes via Fast Pyrolysis	2025	ChemCatChem	17	2				10.1002/cctc.202401411	John Wiley and Sons Inc	18673880	All Open Access; Bronze Open Access	Scopus
266	Article	Kulkarni N.D.; Saha A.; Kumari P.	Fabrication and testing of PVDF-Fish scales based sustainable piezoelectric impact sensor	2025	Sensors and Actuators A: Physical	382					10.1016/j.sna.2024.116107	Elsevier B.V.	9244247		Scopus
267	Review	Priyanka; Kashyap S.; Umesh; Verma K.; Singh M.; Yadav N.	Exploring myostatin’s role and potential applications in fisheries and aquaculture: a review	2025	Aquaculture International	33	1				10.1007/s10499-024-01700-3	Springer Science and Business Media Deutschland GmbH	9676120		Scopus
268	Article	Kalimullah N.M.M.; Ojha S.; Radzieński M.; Shelke A.; Habib A.	A probabilistic machine learning framework for stiffness tensor estimation of carbon composite laminate	2025	Mechanical Systems and Signal Processing	223					10.1016/j.ymssp.2024.111872	Academic Press	8883270		Scopus
269	Article	Ranjan A.; Mandal K.K.; Mallick S.	The land use and land cover changes, 1994–2024: implications for livelihood options and employment opportunities in Dhanbad, India	2025	Spatial Information Research	33	1				10.1007/s41324-025-00605-4	Korean Spatial Information Society	23663286		Scopus
270	Article	Choudhury S.; Thirugnanasambandam A.; Payak V.; Medhi T.; Saha Roy B.	Fabrication of three-layered aluminium-copper laminated composites using friction stir additive manufacturing	2025	Physica Scripta	100	2				10.1088/1402-4896/ada31c	Institute of Physics	318949		Scopus
271	Article	Pushpanjali Patra K.; Ravi S.	Inverse magnetocaloric effect and magneto electric coupling near room temperature in nanoparticles of Y2FeCrO6 double perovskite	2025	Journal of Applied Physics	137	4				10.1063/5.0248746	American Institute of Physics	218979	All Open Access; Hybrid Gold Open Access	Scopus
272	Article	Badirujjaman M.; Thummer R.P.; Bhabak K.P.	Esterase-Responsive Self-Immolative Prodrugs for the Sustained Delivery of the Anticancer Drug 5-Fluorouracil with Turn-On Fluorescence	2025	Chemistry - An Asian Journal	20	2				10.1002/asia.202400846	John Wiley and Sons Ltd	18614728		Scopus
273	Article	Hazra S.K.; Pathak P.K.; Dey T.N.	Arbitrary vector beam generation in semiconductor quantum dots	2025	Physical Review B	111	3				10.1103/PhysRevB.111.035419	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
274	Article	Bandaru V.; Hoelzl M.; Artola F.J.; Lehnen M.	Axisymmetric predictions for mitigated and vertically unstable disruptions in ITER with runaway electrons	2025	Journal of Plasma Physics	91	1				10.1017/S0022377824001661	Cambridge University Press	223778	All Open Access; Green Open Access	Scopus
275	Review	Sharma V.S.; Mishra S.; Sharma A.S.; Sharma N.; Varma R.S.; Shrivastav P.S.; Ammathnadu Sudhakar A.	Microcrystalline Cellulose and Cellulose Nanocrystals: Ecofriendly and Sustainable Support Materials in Heterogeneous Nanocatalysis for Green Organic Transformations	2025	Asian Journal of Organic Chemistry	14	2				10.1002/ajoc.202400586	John Wiley and Sons Inc	21935815		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
276	Review	Kaur R.; Gupta S.; Tripathi V.; Bharadwaj A.	Unravelling the secrets of soil microbiome and climate change for sustainable agroecosystems	2025	Folia Microbiologica	70	1	19	40	21	10.1007/s12223-024-01194-9	Springer Science and Business Media B.V.	155632		Scopus
277	Article	Kayiranga A.; Chen X.; Ma X.; Ingabire D.; Liu T.; Li Y.; Igboeli E.E.; Duulatov E.; Hirwa H.; Nzabanita C.; Hu P.	The responses of vegetation water use efficiency to biomass density and CO2 balance in dryland of Central Asia during 21st century	2025	Ecological Indicators	171					10.1016/j.ecolind.2024.113070	Elsevier B.V.	1470160X		Scopus
278	Article	Biswas S.; Kundu S.; Chandra Pan S.	Organocatalytic Asymmetric Synthesis of C–N Atropisomers with Pyrrole, Oxindole and Succinimide Scaffold	2025	Chemistry - An Asian Journal	20	2				10.1002/asia.202401132	John Wiley and Sons Ltd	18614728		Scopus
279	Article	Gogoi P.; Deka H.; Das B.; Deori K.; Sarma D.	Nanostructured Ag-gCN as a Visible Light-Active Copper-Free Catalyst for Azide-Alkyne Cycloaddition Reactions: A Sustainable Approach to Click Chemistry	2025	ACS Sustainable Chemistry and Engineering	13	2	936	945	9	10.1021/acssuschemeng.4c07892	American Chemical Society	21680485		Scopus
280	Article	Das M.; Choudhary T.; Sharma L.N.; Bhuyan M.K.	Analyzing SCG methodology for identification of ventricular depolarization events	2025	Biomedical Signal Processing and Control	100					10.1016/j.bspc.2024.106940	Elsevier Ltd	17468094		Scopus
281	Article	Singh T.K.; Birru A.K.; Muthu N.	Optimization of Key Forging Parameters for Reduced Stress in Titanium Alloy Knee Implants: A Finite Element Analysis Through Taguchi’s Method	2025	Journal of The Institution of Engineers (India): Series C	106	1	277	286	9	10.1007/s40032-024-01148-7	Springer	22500545		Scopus
282	Article	Rotta M.K.V.; Moktan S.; Pradhan P.; Kancharla P.K.	Direct Stereoselective Synthesis of 2-Deoxyglycosides via Visible-Light-Induced Photoacid-Catalyzed Activation of Glycosyl o-[1-(p-MeO-Phenyl)vinyl]benzoates (PMPVBs) as Donors	2025	Journal of Organic Chemistry	90	2	1196	1208	12	10.1021/acs.joc.4c02641	American Chemical Society	223263		Scopus
283	Article	Neog A.B.; Rajak A.K.; Saikia B.; Nath N.; Das T.; Deka P.; Das D.; Gogoi R.K.; Raidongia K.	Harnessing additional electricity from concentration gradient by employing electrodes with contrasting interfacial activity	2025	Chemical Engineering Journal	506					10.1016/j.cej.2025.160249	Elsevier B.V.	13858947		Scopus
284	Article	Basumatary S.; Muigai H.H.; Goswami P.; Kalita P.	Enhancement of biomethane yield rate in anaerobic co-digestion of cattle dung and untreated vegetable waste through the amendment of water-hyacinth biochar	2025	Bioresource Technology Reports	29					10.1016/j.biteb.2024.102013	Elsevier Ltd	2589014X		Scopus
285	Article	Sulakashna; Barman R.	p-Adic hypergeometric functions and certain weight three newforms	2025	Journal of Mathematical Analysis and Applications	542	1				10.1016/j.jmaa.2024.128763	Academic Press Inc.	0022247X	All Open Access; Green Open Access	Scopus
286	Article	Mujaheed Khan M.S.; Kumar P.; Ansari I.; Sahoo N.	Experimental analysis of diesel engine characteristics powered with Al2O3 doped mesua ferrea linn vegetable oil-diesel blend	2025	Fuel	381					10.1016/j.fuel.2024.133251	Elsevier Ltd	162361		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
287	Article	Ghosh S.; Khandelia T.; Panigrahi P.; Mandal R.; Patel B.K.	Deciphering Co(III)-Catalyzed Oxidative C–H/C–H Annulation Towards Maleimide-Fused Imidazopyridine AEEgens	2025	Chemistry - A European Journal	31	5				10.1002/chem.202403576	John Wiley and Sons Inc	9476539	All Open Access; Bronze Open Access	Scopus
288	Article	Wang C.-T.; Das B.; Saladaga I.A.	Microalgae biocathode coupled polyvinylalcohol proton exchange membrane for performance of recirculation honeycomb microbial fuel cells	2025	Bioresource Technology Reports	29					10.1016/j.biteb.2025.102037	Elsevier Ltd	2589014X		Scopus
289	Article	Srivastava T.; Gond A.K.; Basu D.N.	Naturally circulated system under low to moderate heating condition with supercritical fluid: A comprehensive investigation of loop orientation and Ledinegg instability	2025	Applied Thermal Engineering	260					10.1016/j.applthermaleng.2024.125035	Elsevier Ltd	13594311		Scopus
290	Article	Chowdhury A.; Mishra A.K.; Chakraborty S.	Connecting quasi-normal modes with causality in Lovelock theories of gravity	2025	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	861					10.1016/j.physletb.2024.139219	Elsevier B.V.	3702693	All Open Access; Gold Open Access; Green Open Access	Scopus
291	Review	Lawrence A.S.; Sivakumar B.; Rokhum S.L.; Biswas S.; Cirujano F.G.; Dhakshinamoorthy A.	Engineering of Active Sites in Metal-Organic Frameworks for Friedel–Crafts Alkylation	2025	ChemCatChem	17	2				10.1002/cctc.202401477	John Wiley and Sons Inc	18673880	All Open Access; Hybrid Gold Open Access	Scopus
292	Article	Lolla S.; Oinam R.M.; Furtado A.; Varum H.	Tensile strength and flexural behavior of steel fiber-reinforced concrete beams	2025	Structural Concrete	26	1	501	530	29	10.1002/suco.202400074	John Wiley and Sons Inc	14644177		Scopus
293	Article	Roy S.; Debasmita D.; Dey U.; Ghosh S.S.; Chattopadhyay A.	Unveiling the Cytotoxic Potential of Quercetin-Loaded Magnetic Bacterial Bots against Cervical Cancer	2025	ACS Applied Materials and Interfaces	17	4	5799	5812	13	10.1021/acsami.4c17079	American Chemical Society	19448244		Scopus
294	Article	Nashine C.; Pandey M.; Baraya K.K.	Experimental studies on the transient characteristics and start-up behaviour of a miniature loop heat pipe	2025	Applied Thermal Engineering	259					10.1016/j.applthermaleng.2024.124814	Elsevier Ltd	13594311		Scopus
295	Article	Kumar N.; Khan M.M.; Sonkar R.K.	Design of an all-optical AND gate with optimized response-time and area via nanostructured metamaterial: Light–matter interaction analysis	2025	Results in Optics	18					10.1016/j.rio.2024.100766	Elsevier B.V.	26669501		Scopus
296	Article	Kumawat P.K.; Barman S.; Majhi B.R.	Equivalence in virtual transitions between uniformly accelerated and static atoms: from a bird's eye	2025	Journal of Cosmology and Astroparticle Physics	2025	2				10.1088/1475-7516/2025/02/046	Institute of Physics	14757516		Scopus
297	Article	Vishwakarma P.; Sachdeva E.; Thakur A.; Ethayathulla A.S.; Goyal A.; Kaur P.	Deciphering the structural and biochemical aspects of xylosidase from Pseudopedobacter saltans	2025	International Journal of Biological Macromolecules	291					10.1016/j.ijbiomac.2024.139042	Elsevier B.V.	1418130		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
298	Article	Sonowal J.; Muthukumar P.; Anandalakshmi R.	Low corrosive dual desiccant air conditioning: Antimicrobial activity, performance characteristics, and economic valuation with traditional VCRS	2025	Energy and Buildings	328					10.1016/j.enbuild.2024.115145	Elsevier Ltd	3787788		Scopus
299	Article	Sarkar S.K.; Mardonov S.; Ya Sherman E.; Muruganandam P.; Mishra P.K.	Spin-dependent localization of spin-orbit and Rabi-coupled Bose-Einstein condensates in a random potential	2025	New Journal of Physics	27	2				10.1088/1367-2630/adafd8	Institute of Physics	13672630	All Open Access; Gold Open Access	Scopus
300	Article	Maji S.; Gope B.; Sharma M.; Das A.; Jose A.; Biswas A.; Bhattacharyya K.; Mandal S.K.	Independent LUMO Reactivity in Mesoionic N-Heterocyclic Thiones: Synthesis of a Stable Radical Anion	2025	Angewandte Chemie - International Edition	64	5				10.1002/anie.202418673	John Wiley and Sons Inc	14337851	All Open Access; Bronze Open Access	Scopus
301	Review	Kumar S.; Chakravarty A.; Sahoo L.	Geminivirus diseases of legumes in India: current status and approaches for management	2025	Physiology and Molecular Biology of Plants	31	1	41	65	24	10.1007/s12298-024-01531-9	Springer	9715894		Scopus
302	Article	Adiba A.; Meitei P.N.; Ahmad T.	Laser-induced modulation of Magnon and Phonon excitations: Size and defect dependency in antiferromagnetic NiO nanoparticles with rhombohedral distortion	2025	Next Nanotechnology	7					10.1016/j.nxnano.2024.100098	Elsevier B.V.	29498295	All Open Access; Gold Open Access	Scopus
303	Article	Benny C.K.; Chakraborty S.	Effect of Typha angustifolia, feeding modes and intermittent aeration on the performance of hybrid constructed wetland systems treating Reactive Black 5 diazo dye wastewater	2025	Environmental Science and Pollution Research	32	3	1581	1597	16	10.1007/s11356-024-35749-7	Springer	9441344		Scopus
304	Article	Verma K.; Moholkar V.S.	COD and toxicity reduction of wastewater using a hybrid advanced oxidation process of sonication with chitosan-based hydrogel beads	2025	Process Safety and Environmental Protection	193		158	169	11	10.1016/j.psep.2024.11.024	Institution of Chemical Engineers	9575820		Scopus
305	Article	Paksok D.; Kalita A.; Ravi K.	Application of Biochar as a Sustainable Material for Soil Improvement and Contaminant Remediation-A Review	2025	SSRG International Journal of Civil Engineering	12	1	7	15	8	10.14445/23488352/IJCE-V12I1P102	Seventh Sense Research Group	23488352		Scopus
306	Article	Biswas A.; Chakraborty S.	Variation in bioelectricity production in integrated CW-MFC: An insight into coliform inactivation affected by HRT and power density	2025	Journal of Environmental Management	373					10.1016/j.jenvman.2024.123527	Academic Press	3014797		Scopus
307	Article	Raja S.; Melkani U.; Sarma R.; Kapil S.; Muthu N.	A method for realizing continuous tungsten fiber-reinforced steel matrix composites by wire-arc-based directed energy deposition	2025	Composite Structures	354					10.1016/j.compstruct.2024.118811	Elsevier Ltd	2638223		Scopus
308	Article	Shishov A.; Savinov S.; Kumar Das N.; Banerjee T.; Bulatov A.	Automated simultaneous determination of mercury and copper in edible oils by reversed-phase column-based extraction with deep eutectic solvent	2025	Journal of Food Composition and Analysis	137					10.1016/j.jfca.2024.106919	Academic Press Inc.	8891575		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
309	Article	Chao Y.-D.; Liu S.-C.; Chen F.-L.; Prajapati M.J.; Kumar A.; Tsai J.-T.; Jeng J.-Y.	Development of 17-4 PH Stainless Steel for Low-Power Selective Laser Sintering	2025	Materials	18	2				10.3390/ma18020447	Multidisciplinary Digital Publishing Institute (MDPI)	19961944	All Open Access; Gold Open Access	Scopus
310	Article	Maity S.; Bhaumik N.; Haque M.R.; Maity D.; Sriramkumar L.	Constraining the history of reheating with the NANOGrav 15-year data	2025	Journal of Cosmology and Astroparticle Physics	2025	1				10.1088/1475-7516/2025/01/118	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
311	Article	Sharma A.; Choudhary R.; Kumar A.; Biswapriya Dash S.	Evaluation of Open-Graded Friction Course Mixes with Agro-Waste–Derived Natural Fibers	2025	Journal of Testing and Evaluation	53	1				10.1520/JTE20240090	ASTM International	903973		Scopus
312	Article	Dhara L.N.; 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	19	10.1007/s11665-024-09161-8	Springer	10599495		Scopus
313	Article	Sonbhadra S.; Pandey L.M.	Isolation, identification, and characterization of Bacillus subtilis SMP-2 from panitenga and exploring its potential for biosurfactant production	2025	Food and Bioproducts Processing	149		144	157	13	10.1016/j.fbp.2024.11.018	Institution of Chemical Engineers	9603085		Scopus
314	Article	Mukherjee U.; Venkataraman P.	QUESTIONING VEGETARIANISM: AN ANALYSIS FROM THE PERSPECTIVE OF MATURE CARE	2025	Philosophia (Philippines)	26	1	23	36	13	10.46992/pijp.26.1.a.2	Philippine National Philosophical Research Society	22441875		Scopus
315	Article	Baro R.K.; Kotecha P.; Anandalakshmi R.	Optimization of continuous-flow microwave processing with static mixers for enhanced heating uniformity	2025	Food and Bioproducts Processing	149		401	414	13	10.1016/j.fbp.2024.12.010	Institution of Chemical Engineers	9603085		Scopus
316	Article	Kshitij M.; Dhal M.K.; Banerjee A.; Prasannavenkadesan V.; Katiyar V.; Kumar A.	Thermoplastic starch based melt processed films for packaging applications: Experimental and computational studies	2025	Materials Today Communications	42					10.1016/j.mtcomm.2024.111475	Elsevier Ltd	23524928		Scopus
317	Article	Biswas S.; Pan S.C.	Catalytic Asymmetric Desymmetrizing [4+2] Cycloaddition/Base-Mediated Oxidative Aromatization Sequence: De Novo Synthesis of Isobenzofuranone-Embedded Chiral Arenes	2025	Organic Letters	27	1	309	314	5	10.1021/acs.orglett.4c04342	American Chemical Society	15237060		Scopus
318	Article	Biswas S.; Ganguly A.; Mitra D.	Reliability Analysis of Load-Sharing Systems Using a Flexible Model With Piecewise Linear Functions	2025	Applied Stochastic Models in Business and Industry	41	1				10.1002/asmb.2934	John Wiley and Sons Ltd	15241904	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
319	Article	Mishra R.K.; Avinashi S.K.; Kumari S.; Fatima Z.; Nain R.; Mohan S.; Shweta; Sachan A.; Dwivedi R.K.; Gautam C.	Influence of zirconia on crystallization, physical, structural, microstructural and electrical properties of fabricated (60-x)[SrTiO3]-40[2B2O3.SiO2]-x[ZrO2] (1≤x≤4) glass ceramics for electronic applications	2025	Journal of Alloys and Compounds	1010					10.1016/j.jallcom.2024.177029	Elsevier Ltd	9258388		Scopus
320	Article	Basumatary H.; Adhar D.; Hazarika S.M.	Robustifying a reinforcement learning agent-based bionic reflex controller through an adaptive sliding mode control	2025	Robotica	43	1	256	279	23	10.1017/S0263574724001838	Cambridge University Press	2635747	All Open Access; Bronze Open Access	Scopus
321	Article	Tiwari P.; Gangwar D.; Dey J.K.; Saldaña F.I.; Kumar J.; Thota S.	Praseodymium induced symmetry switching and electrochemical characteristics of LaCoO3 nanostructures	2025	Journal of Physics and Chemistry of Solids	196					10.1016/j.jpcs.2024.112366	Elsevier Ltd	223697		Scopus
322	Article	Konwar M.; Das T.; Das A.	Parts-Per-Million Level Loading Cyclometalated Ru(II)-NHC Catalyzed Selective Oxidation of Olefins to Carbonyls	2025	Chemistry - A European Journal	31	2				10.1002/chem.202403135	John Wiley and Sons Inc	9476539		Scopus
323	Article	Hazarika G.; Das S.; Patel A.; Manna D.	Guanidine-modified cellulose enhances capturing and recovery of phosphates from wastewater	2025	Environmental Science: Water Research and Technology	11	3	691	701	10	10.1039/d4ew00910j	Royal Society of Chemistry	20531400		Scopus
324	Article	Biswas A.; Nandi S.; Sahoo S.	Analyzing the semileptonic and nonleptonic Bc → J/ψ, ηc decays	2025	Journal of High Energy Physics	2025	1				10.1007/JHEP01(2025)198	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
325	Article	Achar S.D.; Thejaswini P.; Nandi S.; Nandi S.	LiteHash: Hash Functions for Resource-Constrained Hardware	2025	ACM Transactions on Embedded Computing Systems	24	2				10.1145/3677181	Association for Computing Machinery	15399087		Scopus
326	Article	Rautela K.S.; Gupta V.; Devi J.P.; Majeed L.R.; Kuniyal J.C.	Modeling stage-discharge and sediment-discharge relationships in data-scarce Himalayan River Basin Dhauliganga, Central Himalaya, using neural networks	2025	Clean - Soil, Air, Water	53	1				10.1002/clen.202300388	John Wiley and Sons Inc	18630650		Scopus
327	Article	Shishov A.; Markova U.; Mulloyarova V.; Tolstoy P.; Shkaeva N.; Kosyakov D.; Das N.K.; Banerjee T.	1-(o-Tolyl)thiourea-based deep eutectic solvent as a stationary phase in flow injection analysis system for mercury and copper determination in edible oils	2025	Talanta	282					10.1016/j.talanta.2024.127079	Elsevier B.V.	399140		Scopus
328	Article	Singh D.; Rugamba T.; Katara H.; Grewal K.S.	Computationally effective machine learning approach for modular thermal energy storage design	2025	Applied Energy	377					10.1016/j.apenergy.2024.124430	Elsevier Ltd	3062619	All Open Access; Hybrid Gold Open Access	Scopus
329	Article	Mahanti R.; Das M.	Sustainable EDM production of micro-textured die-surfaces: Modeling and optimizing the process using machine learning techniques	2025	Measurement: Journal of the International Measurement Confederation	242					10.1016/j.measurement.2024.115775	Elsevier B.V.	2632241		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
330	Article	Shit A.; Bora S.N.	Mass transport in brain cells: integer-order and fractional-order modeling	2025	Physica Scripta	100	1				10.1088/1402-4896/ad97ee	Institute of Physics	318949		Scopus
331	Article	Roy A.; Sarma A.K.	Overcoming the standard quantum limit with an electro-optomechanical hybrid system for enhanced force sensing	2025	Physical Review A	111	1				10.1103/PhysRevA.111.013509	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
332	Article	Patel B.M.; Dwivedy S.K.	3D dynamics and control of a snake robot in uncertain underwater environment	2025	Robotica	43	1	1	28	27	10.1017/S0263574724000821	Cambridge University Press	2635747		Scopus
333	Article	Pokhrel D.; Sahu S.; Singh H.K.; Tangi M.; Sridhar V.; Pamu D.	Exploring giant dielectric constant in Dy2CoMnO6: evidence of non-overlapping small polaron hopping	2025	Physica Scripta	100	1				10.1088/1402-4896/ad9553	Institute of Physics	318949		Scopus
334	Article	Gupta R.K.; Sinha R.	Deep multi-task learning based detection of correlated mental disorders using audio modality	2025	Computer Speech and Language	89					10.1016/j.csl.2024.101710	Academic Press	8852308		Scopus
335	Article	Raina A.; Natesan S.	A weak Galerkin finite element method for fourth-order parabolic singularly perturbed problems on layer adapted Shishkin mesh	2025	Applied Numerical Mathematics	207		520	533	13	10.1016/j.apnum.2024.09.019	Elsevier B.V.	1689274		Scopus
336	Article	Rajeev A.; Ojha S.; Mathew A.S.; Shelke A.	Smart composite structural insulated panels (CSIPs) with embedded piezoelectric sesors for damage localization	2025	Engineering Structures	322					10.1016/j.engstruct.2024.119118	Elsevier Ltd	1410296		Scopus
337	Article	Kumar S.; Phogat H.; Manivannan V.	Fluorometric Turn Off Detection of Cu2+ and Pd2+ Ions Using 1-(Imidazo[5,1-a]isoquinolin-3-yl)naphthalen-2-ol	2025	Luminescence	40	1				10.1002/bio.70104	John Wiley and Sons Ltd	15227235		Scopus
338	Article	Radhika E.; Thatikonda S.K.; Chilaka R.R.; Marita G.K.; Pippala N.P.R.; Dobbidi P.	Comparison of the effect of conventional and microwave sintering on structural and dielectric properties of AlN - CaZrO3 and Y2O3 composite ceramics	2025	Ceramics International	51	1	1002	1016	14	10.1016/j.ceramint.2024.11.083	Elsevier Ltd	2728842		Scopus
339	Article	Umehara A.; Oshima T.; Deshmukh O.S.; Nishizu T.; Imaizumi T.	Detection of cell membrane disruption using electrical impedance spectroscopy and acceleration of cell wall modification in carrot processed under low temperature blanching	2025	Journal of Food Engineering	385					10.1016/j.jfoodeng.2024.112270	Elsevier Ltd	2608774		Scopus
340	Article	Saha S.; Maity S.; Samanta B.; Ghosh R.; Bhattacharyya K.; Mondal B.	Photo-induced nitroxyl anion/HNO release from a nitrosyl complex of Mn(II)-porphyrinate	2025	Chemical Communications	61	11	2353	2356	3	10.1039/d4cc06203e	Royal Society of Chemistry	13597345		Scopus
341	Article	Rekha Phani P.S.D.; Sahu S.; Gurrala R.C.; Dobbidi P.; Raidongia K.; Latha B.S.; Babu B.K.; Annapurna N.	Leveraging synergistic interfaces in NiO and NiO/rGO heterostructures for enhanced microwave absorption	2025	Surfaces and Interfaces	56					10.1016/j.surfin.2024.105617	Elsevier B.V.	24680230		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
342	Article	Chetry A.; Phalke S.S.; Nandy A.	Achieving high precision and productivity in laser machining of Ti6Al4V alloy: A comprehensive study using a n-predictor polynomial regression model and PSO algorithm	2025	International Journal of Lightweight Materials and Manufacture	8	1	127	140	13	10.1016/j.ijlmm.2024.09.001	KeAi Publishing Communications Ltd.	25888404	All Open Access; Gold Open Access	Scopus
343	Article	Ranjan S.; Majhi S.	Fixed-Time State Observer-Based Robust Adaptive Neural Fault-Tolerant Control for a Quadrotor Unmanned Aerial Vehicle	2025	International Journal of Adaptive Control and Signal Processing	39	1	132	151	19	10.1002/acs.3925	John Wiley and Sons Ltd	8906327	All Open Access; Bronze Open Access	Scopus
344	Article	Sarkar S.; De A.K.	Viscous Magnus force for a transversely rotating sphere undergoing vortex-induced vibration	2025	Physics of Fluids	37	1				10.1063/5.0251210	American Institute of Physics	10706631		Scopus
345	Article	Kalita A.; Changmai R.R.; Sarma M.; Saikia M.D.	Experimental and computational validation on the adsorption behaviour of quercetin and rutin on ion exchange resins	2025	Results in Surfaces and Interfaces	18					10.1016/j.rsufri.2024.100377	Elsevier B.V.	26668459		Scopus
346	Article	Jamuna K.; Sebastian A.T.; Subbiah S.; Selvapalam N.; Shanmugam S.	Phenanthridium-based conjugated probe for selective detection of anionic surfactant	2025	Journal of Surfactants and Detergents	28	1	147	153	6	10.1002/jsde.12785	John Wiley and Sons Inc	10973958		Scopus
347	Article	Wang C.; Nardon E.; Artola F.J.; Bandaru V.; Hoelzl M.	The effect of vertical displacements on the runaway electron avalanche in ITER mitigated disruptions	2025	Nuclear Fusion	65	1				10.1088/1741-4326/ad8d66	Institute of Physics	295515	All Open Access; Gold Open Access	Scopus
348	Article	Abhilasha N.S.	Empire, epidemic, and the agrarian world: Kala-azar (Visceral leishmaniasis) in Assam, 1883–1930	2025	Indian Economic and Social History Review	62	1	101	129	28	10.1177/00194646241310024	SAGE Publications Ltd	194646		Scopus
349	Article	Devi K.P.; Chaturvedi H.; Goswami P.	Fabrication of solid-state plasmonic solar cell device using FTO TiO2 Ag-nanoparticle assembly to generate hot electrons surpassing Schottky barrier	2025	Next Materials	6					10.1016/j.nxmate.2024.100403	Elsevier B.V.	29498228	All Open Access; Gold Open Access	Scopus
350	Article	Mishra T.T.; Chakraborty M.; Parashar C.K.; Mahanta J.; Pattader P.S.G.; Roy D.	Rational design of CoNiMo trimetallic hydroxide nanostructured flexible electrode for supercapacitor application	2025	Journal of Materials Science: Materials in Electronics	36	3				10.1007/s10854-025-14234-y	Springer	9574522		Scopus
351	Article	Shakya A.K.; V P S.; Ghosh P.K.	Evaluation of the stability and fate of biogenic selenium-laden waste generated as treatment residual in selenium removing sulfidogenic bioreactors	2025	Journal of Cleaner Production	487					10.1016/j.jclepro.2024.144608	Elsevier Ltd	9596526		Scopus
352	Article	Dey P.; Singhania A.; Kunnumakkara A.B.; Ghosh S.; Bandyopadhyay A.	Chladni and Fractal Dynamics: Dual Mode Marker to Map Cancer Cell Nucleus Disintegration Phases	2025	Fractal and Fractional	9	1				10.3390/fractalfract9010008	Multidisciplinary Digital Publishing Institute (MDPI)	25043110	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
353	Article	Jain A.; Saraswat P.; De S.; Roy H.; Nath B.; Sankar Ghosh S.; Barman P.	Position-induced differential aggregation behavior with red-shifted emission: A case study of the promising copper ion sensor skeleton-based regio-isomers	2025	Journal of Photochemistry and Photobiology A: Chemistry	458					10.1016/j.jphotochem.2024.115931	Elsevier B.V.	10106030		Scopus
354	Article	Mishra P.K.; Rao S.V.; Das G.K.	Dispersion problem on a convex polygon	2025	Information Processing Letters	187					10.1016/j.ipl.2024.106498	Elsevier B.V.	200190		Scopus
355	Article	Das P.; Das T.; Koley S.; Kumar Baroi M.; Das S.; Mohanty J.; Das D.	Time-Encoded Information Encryption with pH Clock Guided Broad-Spectrum Emission by Dynamic Assemblies	2025	Angewandte Chemie - International Edition	64	2				10.1002/anie.202414239	John Wiley and Sons Inc	14337851		Scopus
356	Article	Naik P.B.; Reddy N.S.; Nataraj S.K.; Maiti U.N.; Beere H.K.; Yadav P.; Jung H.Y.; Ghosh D.	Optimizing Hard Carbon Anodes from Agricultural Biomass for Superior Lithium and Sodium Ion Battery Performance	2025	ChemSusChem	18	2				10.1002/cssc.202400970	John Wiley and Sons Inc	18645631		Scopus
357	Article	Mehta S.K.; Talukdar A.; Panja S.; Kalita J.; Wongwises S.; Mondal P.K.	Flow environment affects nutrient transport in soft plant roots	2025	Soft Matter	21	7	1269	1285	16	10.1039/d4sm01083c	Royal Society of Chemistry	1744683X		Scopus
358	Article	Tangjang L.; Gogoi A.P.; Das H.; Bhattacharai S.; Kalita P.K.	Observation of voltage dependent negative differential resistance (NDR) in SnS2-GO nanocomposites	2025	Physica E: Low-Dimensional Systems and Nanostructures	165					10.1016/j.physe.2024.116102	Elsevier B.V.	13869477		Scopus
359	Article	Dutta Mohapatra A.R.; Kumar R.; Deka B.	An Efficient and Robust Weak Galerkin Scheme for Solving the 2D/3D H(curl; Ω)-Elliptic Interface Problems With High-Order Elements	2025	Numerical Methods for Partial Differential Equations	41	1				10.1002/num.23155	John Wiley and Sons Inc	0749159X		Scopus
360	Article	Jhawar M.; Paul S.	Unveiling the Inhibitory Effect of Magnolol in the Aggregation of Human Calcitonin (hCT): A Comprehensive In-Silico Study	2025	ChemPhysChem	26	1				10.1002/cphc.202400679	John Wiley and Sons Inc	14394235		Scopus
361	Article	Aswin Karthik C.; Muthukumar P.; Panda B.	Performance tests on lab scale prototype of slag-blended calcium aluminate cement concrete-based thermal energy storage system for high-temperature application	2025	Journal of Energy Storage	105					10.1016/j.est.2024.114593	Elsevier Ltd	2352152X		Scopus
362	Article	Narayan J.; Abbas M.; Dwivedy S.K.	Adaptive backstepping sliding mode subject-cooperative control for a pediatric lower-limb exoskeleton robot	2025	Transactions of the Institute of Measurement and Control	47	2	352	368	16	10.1177/01423312241245764	SAGE Publications Ltd	1423312		Scopus
363	Article	Barman M.; Natesan S.; Sendur A.	A parameter-uniform hybrid method for singularly perturbed parabolic 2D convection-diffusion-reaction problems	2025	Applied Numerical Mathematics	207		111	135	24	10.1016/j.apnum.2024.08.026	Elsevier B.V.	1689274		Scopus
364	Article	Singh M.K.; Anilkumar R.; Bharti R.	Study of contaminated snow cover using remote sensing in the Eastern Himalayas of Arunachal Pradesh, India	2025	Environmental Monitoring and Assessment	197	1				10.1007/s10661-024-13476-3	Springer Science and Business Media Deutschland GmbH	1676369		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
365	Article	Gupta K.; Chen D.; Wells R.G.	Microcystin-RR is a biliary toxin selective for neonatal extrahepatic cholangiocytes	2025	JHEP Reports	7	1				10.1016/j.jhepr.2024.101218	Elsevier B.V.	25895559	All Open Access; Gold Open Access	Scopus
366	Article	Sarma M.; Sarmah M.P.; Sarma M.	End Group Effects on Anion Binding in Tetraglycine Peptide: A Computational Study	2025	Chemistry - An Asian Journal	20	1				10.1002/asia.202400880	John Wiley and Sons Ltd	18614728		Scopus
367	Article	Srinivasulu D.; Vasudev A.; Tadikonda B.V.; Nandy A.K.	Centrifuge Consolidation Analysis of Slurries and Tailings Using Finite-Element Modeling	2025	International Journal of Geomechanics	25	1				10.1061/IJGNAL.GMEN-G-10278	American Society of Civil Engineers (ASCE)	15323641		Scopus
368	Article	Mahanti R.; Das M.	Role of different density negative micro-pillars textured H13 surfaces on enhanced wettability and tribological performance	2025	Tribology International	201					10.1016/j.triboint.2024.110283	Elsevier Ltd	0301679X		Scopus
369	Article	Bisarya A.; Kathuria L.; Das K.; Yasmin E.; Jasra R.V.; Dhole S.; Kumar A.	State-of-the-art advances in homogeneous molecular catalysis for the Guerbet upgrading of bio-ethanol to fuel-grade bio-butanol	2025	Chemical Communications	61	14	2906	2925	19	10.1039/d4cc05931j	Royal Society of Chemistry	13597345		Scopus
370	Article	Baishya B.; Barman S.; Roy M.; Sarkar U.; Choudhury S.; Sudhakar A.A.; Paul M.K.	Coumarin based fluorescent liquid crystal dimers: Synthesis, mesogenic, photophysical behavior, and DFT studies	2025	Journal of Molecular Liquids	417					10.1016/j.molliq.2024.126691	Elsevier B.V.	1677322		Scopus
371	Article	Wang C.-T.; Pal P.; Wang X.-C.	EM waves-based microbial fuel cells integrated to improve performance	2025	Applied Energy	377					10.1016/j.apenergy.2024.124412	Elsevier Ltd	3062619		Scopus
372	Article	Karjee P.; Shah T.A.; Mandal S.; Debnath B.; Punniyamurthy T.	Recent Advancement on Ring Expansion of Bicyclic Diaziridines to Access N-Heterocyclic Compounds	2025	European Journal of Organic Chemistry	28	2				10.1002/ejoc.202401057	John Wiley and Sons Inc	1434193X		Scopus
373	Article	Vijay; Prasad M.G.P.; Saravana Kumar G.	A novel class of zipper fractal Bézier curves and its graphics applications	2025	Chaos, Solitons and Fractals	190					10.1016/j.chaos.2024.115793	Elsevier Ltd	9600779		Scopus
374	Article	Borah D.; Das N.; Jahedi S.; Thacker B.	Collider and CMB complementarity of leptophilic dark matter with light Dirac neutrinos	2025	Journal of High Energy Physics	2025	1				10.1007/JHEP01(2025)074	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access; Green Open Access	Scopus
375	Article	Singh R.; Anand V.; Chakinala N.; Mohanty K.; Chakinala A.G.	Catalytic vapor phase upgrading of sawdust pyrolysis using metal oxide catalysts: The support effect	2025	Journal of Analytical and Applied Pyrolysis	185					10.1016/j.jaap.2024.106864	Elsevier B.V.	1652370		Scopus
376	Article	Pawar A.R.; Yashmin S.; Khan A.T.	Synthesis of 2-arylchromeno[2,3,4,5-Imna]phenanthridines through a sequential multicomponent assembly, oxygenation and 6πe electrocyclization reactions	2025	Organic Chemistry Frontiers	12	6	1833	1841	8	10.1039/d4qo02067g	Royal Society of Chemistry	20524110		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
377	Review	Sonbhadra S.; Pandey L.M.	Bioelectrochemical Remediation and Valorization of Oily Wastewaters: A Review	2025	Journal of Hazardous, Toxic, and Radioactive Waste	29	1				10.1061/JHTRBP.HZEN G-1421	American Society of Civil Engineers (ASCE)	21535493		Scopus
378	Article	S S.; Shrivastava A.; Karmakar S.	Identifying interface design factors impacting user experience in digital learning platforms- A pilot study	2025	Social Sciences and Humanities Open	11					10.1016/j.ssaho.2025.101662	Elsevier Ltd	25902911		Scopus
379	Article	Raina A.; Natesan S.; Toprakseven Ş.	A Novel ADI-Weak Galerkin Method for Singularly Perturbed Two-Parameter 2D Parabolic Pdes	2025	Numerical Methods for Partial Differential Equations	41	1				10.1002/num.23169	John Wiley and Sons Inc	0749159X		Scopus
380	Article	Boral R.; Sarkar S.K.; Muruganandam P.; Mishra P.K.	Impurity-induced vortex lattice melting and turbulence in rotating Bose-Einstein condensates	2025	Journal of Physics B: Atomic, Molecular and Optical Physics	58	1				10.1088/1361-6455/ad987c	Institute of Physics	9534075		Scopus
381	Article	Nandi P.G.; Maity P.; Kumar A.	Pincer-Ruthenium-Catalyzed Direct Formation of Fuel-Grade Alkanes via a Net-Decarboxylative Coupling of Alcohols	2025	ACS Catalysis	15	1	543	556	13	10.1021/acscatal.4c05826	American Chemical Society	21555435		Scopus
382	Article	Khan P.; Dutta S.	Controlling spiral wave dynamics of the BZ system in a modified Oregonator model: From suppression to turbulence	2025	Chaos	35	1				10.1063/5.0241027	American Institute of Physics	10541500		Scopus
383	Article	Das S.; Krishnamoorthy J.; Kar R.K.	Estimating the structural and spatial variables of allantoinase enzyme critical for protein adsorption	2025	Biochemical and Biophysical Research Communications	743					10.1016/j.bbrc.2024.151161	Elsevier B.V.	0006291X		Scopus
384	Review	Devi N.B.; Pugazhenthii G.; Pakshirajan K.	Synthetic biology approaches and bioseparations in syngas fermentation	2025	Trends in Biotechnology	43	1	111	130	19	10.1016/j.tibtech.2024.07.008	Elsevier Ltd	1677799		Scopus
385	Article	Dutta A.; Patel S.; Kanaujia S.P.	Coordinated subdomain movements of MlaC regulate ligand binding and transport	2025	Computational and Structural Biotechnology Journal	27		2074	2097	23	10.1016/j.csbj.2025.05.031	Elsevier B.V.	20010370		Scopus
386	Article	Pandey A.K.; Trivedi V.	Heat shock protein HSPA8 impedes hemin-induced cellular-toxicity in liver	2025	Toxicology in Vitro	102					10.1016/j.tiv.2024.105959	Elsevier Ltd	8872333		Scopus
387	Erratum	Barik S.; Mondal D.; Pati S.; Sarma K.	Corrigendum to “Singular graphs and the reciprocal eigenvalue property” [Discrete Math. 347 (2024) 114003] (Discrete Mathematics (2024) 347(7), (S0012365X24001341), (10.1016/j.disc.2024.114003))	2025	Discrete Mathematics	348	1				10.1016/j.disc.2024.114198	Elsevier B.V.	0012365X		Scopus
388	Article	Ravidas B.K.; Kumar A.R.; Praveen A.; Agnihotri S.K.; Bhattarai S.; Pandey R.; Madan J.; Singh S.; Hossain M.K.; Roy M.K.; Samajdar D.P.	Integration of SCAPS-1D and density functional theory for the performance evaluation of RbGeI3-based perovskite solar cell	2025	Journal of Physics and Chemistry of Solids	196					10.1016/j.jpcs.2024.112325	Elsevier Ltd	223697		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
389	Article	Bhattacharya S.; Fabian S.; Herms J.; Jana S.	Flavor-specific dark matter signatures through the lens of neutrino oscillations	2025	Journal of Cosmology and Astroparticle Physics	2025	1				10.1088/1475-7516/2025/01/110	Institute of Physics	14757516	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
390	Article	Komandur J.; Vinu R.; Mohanty K.	Analytical and Applied Copyrolysis of Mesua ferrea L. and Polyethyelene Terephthalate Plastic for Hydrocarbon-Rich Bio-oil	2025	ACS Omega	10	1	529	540	11	10.1021/acsomega.4c07019	American Chemical Society	24701343	All Open Access; Gold Open Access	Scopus
391	Article	Su Y.-H.; Bhowmick P.; Lanson 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	17	10.1002/asjc.3258	John Wiley and Sons Inc	15618625	All Open Access; Hybrid Gold Open Access	Scopus
392	Article	Abdul Quadir M.G.; Kalita N.; Goswami P.	Spirulina-Based Multispecies Phototrophic Biofilm Anodic Biocatalyst Endures a Prolonged Dark Phase within Light-Dark Cycle Operations and Enhances Anodic Performance in Biophotovoltaic Cells	2025	ACS ES and T Engineering	5	1	60	76	16	10.1021/acsestengg.4c00447	American Chemical Society	26900645		Scopus
393	Article	Sathasivam J.; Rajaraman P.V.; Narayanasamy S.	Assessment of cerium adsorption potential of phosphoric acid activated biochar in aqueous system: Modelling and mechanistic insights	2025	Environmental Research	264					10.1016/j.envres.2024.120301	Academic Press Inc.	139351		Scopus
394	Editorial	Bag S.; Paul C.P.	Welding, Joining, and Additive Manufacturing: Experiments, Materials, and Modeling	2025	Materials	18	2				10.3390/ma18020445	Multidisciplinary Digital Publishing Institute (MDPI)	19961944	All Open Access; Gold Open Access	Scopus
395	Article	Shet K H.N.; Moholkar V.S.	Comparative assessment of global warming potential of gasoline, battery, and hybrid vehicles in India	2025	Renewable and Sustainable Energy Reviews	207					10.1016/j.rser.2024.114951	Elsevier Ltd	13640321		Scopus
396	Article	Nidharia M.; Acharyya K.; Saha U.K.	Effect of Ramp Geometry on Single Expansion Ramp Nozzle Performance Characteristics	2025	Journal of Propulsion and Power	41	1	4	14	10	10.2514/1.B39291	AIAA International	7484658		Scopus
397	Article	Behera N.; Gokhale S.	Understanding meteorological factors influencing heavy air pollution in Guwahati, India	2025	Atmospheric Pollution Research	16	1				10.1016/j.apr.2024.102337	Elsevier B.V.	13091042		Scopus
398	Article	Das N.S.; Das N.K.	Improvement of non-volatile resistive memory behaviour in post-annealed rGO-SnS2 embedded PMMA polymer nanocomposites film	2025	Journal of Materials Science: Materials in Electronics	36	2				10.1007/s10854-024-14191-y	Springer	9574522		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
399	Review	Vij S.; Vyas S.; Visakha G.; Barua A.	What works, where and how? A systematic literature review of climate change adaptation measures in India	2025	Current Research in Environmental Sustainability	9					10.1016/j.crsust.2025.100291	Elsevier B.V.	26660490		Scopus
400	Article	Das N.; Srivastava R.; Roy S.; De A.K.; Kar R.K.	Physico-chemical properties and biological evaluation of graphene quantum dots for anticancer drug susceptibility	2025	Colloids and Surfaces B: Biointerfaces	245					10.1016/j.colsurfb.2024.114322	Elsevier B.V.	9277765		Scopus
401	Article	Singh P.; Kalamdhad A.S.	Unravelling barriers associated with dissemination of large-scale biogas plant with analytical hierarchical process and fuzzy analytical hierarchical process approach: Case study of India	2024	Bioresource Technology	413					10.1016/j.biortech.2024.131543	Elsevier Ltd	9608524		Scopus
402	Review	Chettri D.; Verma A.K.; Chirania M.; Verma A.K.	Metagenomic approaches in bioremediation of environmental pollutants	2024	Environmental Pollution	363					10.1016/j.envpol.2024.125297	Elsevier Ltd	2697491		Scopus
403	Review	De S.; Naser S.S.; Nandi A.; Adhikari A.; Prasad A.; Sarkar K.; Sinha A.; Verma S.K.; Dutt A.; Chattopadhyay D.; Kaushik N.K.; Ghosh A.; Verma S.K.	Translational paradigm of MXene nanocomposites: biophysical advancements to modern applications	2024	Materials Advances	6	3	909	944	35	10.1039/d4ma00894d	Royal Society of Chemistry	26335409	All Open Access; Gold Open Access	Scopus
404	Article	Bora A.; Choudhury N.D.; Muigai H.H.; Roncancio R.; Gore J.P.; Mahapatra S.	Experimental and kinetic analysis of Bambusa tulda pyrolysis in carbon dioxide and nitrogen atmosphere	2024	Industrial Crops and Products	222					10.1016/j.indcrop.2024.119806	Elsevier B.V.	9266690		Scopus
405	Article	Arora S.; Kumar B.	Effect of emergent vegetation on riverbank erosion with sediment mining	2024	Scientific Reports	14	1				10.1038/s41598-024-61315-9	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
406	Article	Konwar M.; Das A.	Cyclometalated Ruthenium-Complex-Catalyzed Selective Oxidation of Olefins to Carbonyls	2024	Organic Letters	26	48	10235	10240	5	10.1021/acs.orglett.4c03595	American Chemical Society	15237060		Scopus
407	Review	Kohli V.; Singha S.	Protein digestibility of soybean: how processing affects seed structure, protein and non-protein components	2024	Discover Food	4	1				10.1007/s44187-024-00076-w	Springer Nature	27314286	All Open Access; Gold Open Access	Scopus
408	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
409	Article	Dumka S.; Panda C.; Kumar S.	Calcitriol reduces Newcastle disease virus replication by modulating galectin 3 and pro-inflammatory cytokines	2024	Archives of Virology	169	12				10.1007/s00705-024-06183-4	Springer	3048608		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
410	Short survey	Jha D.; Sharma V.; Banik D.; Bhattacharya D.; Roy K.; Hicks S.A.; Tomar N.K.; Thambawita V.; Krenzer A.; Ji G.-P.; Poudel S.; Batchkala G.; Alam S.; Ahmed A.M.A.; Trinh Q.-H.; Khan Z.; Nguyen T.-P.; Shrestha S.; Nathan S.; Gwak J.; Jha R.K.; Zhang Z.; Schlaefel A.; Bhattacharjee D.; Bhuyan M.K.; Das P.K.; Fan D.-P.; Parasa S.; Ali S.; Riegler M.A.; Halvorsen P.; de Lange T.; Bagci U.	Validating polyp and instrument segmentation methods in colonoscopy through Medico 2020 and MedAI 2021 Challenges	2025	Medical Image Analysis	99					10.1016/j.media.2024.103307	Elsevier B.V.	13618415	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
411	Article	Rahman A.; Pekkat S.	Identifying and ranking of CMIP6-global climate models for projected changes in temperature over Indian subcontinent	2024	Scientific Reports	14	1				10.1038/s41598-024-52275-1	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
412	Article	Acharjee B.; M G.P.P.	Fixed point theorem and iterated function system in ϕ -metric modular space	2024	Fixed Point Theory and Algorithms for Sciences and Engineering	2024	1				10.1186/s13663-024-00761-6	Springer Nature	16871820	All Open Access; Gold Open Access	Scopus
413	Article	Sarkar N.; Dasgupta K.	Machine learning-based sensitivity analysis of engineering demand parameters for a reinforced concrete wall-frame building	2024	Structures	70					10.1016/j.istruc.2024.107477	Elsevier Ltd	23520124		Scopus
414	Article	Krishnan S.; Mallick S.	The Forest Rights Act and Adivasi Landlessness in Kerala	2024	Journal of Asian and African Studies	59	8	2259	2269	10	10.1177/00219096231153148	SAGE Publications Ltd	219096		Scopus
415	Review	Banerjee A.; Borah A.; Chah C.N.; Dhal M.K.; Madhu K.; Katiyar V.; Sekharan S.	Decoding the complex interplay of biological and chemical factors in Polylactic acid biodegradation: A systematic review	2024	International Journal of Biological Macromolecules	282					10.1016/j.ijbiomac.2024.136956	Elsevier B.V.	1418130		Scopus
416	Article	Dhar M.; Sarkar D.; Das A.; Rahaman S.K.A.; Ghosh D.; Manna U.	'Rewritable' and 'liquid-specific' recognizable wettability pattern	2024	Nature Communications	15	1				10.1038/s41467-024-49807-8	Nature Research	20411723	All Open Access; Gold Open Access; Green Open Access	Scopus
417	Article	Kumar A.; Tamuli R.	The CRZ-1 transcription factor binds to specific sequences in the promoters of al-2, cao-2, and ylo-1 to regulate the expression of these carotenoid biosynthesis genes in Neurospora crassa	2024	Mycological Progress	23	1				10.1007/s11557-024-01973-1	Springer Science and Business Media Deutschland GmbH	1617416X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
418	Article	Das A.; Saha M.; Gupta M.K.; Rangan L.; Uppaluri R.; Das C.	Comparative efficacy of citric acid/tartaric acid/malic acid additive-based polyvinyl alcohol-starch composite films	2024	Journal of Materials Science: Materials in Engineering	19	1				10.1186/s40712-024-00151-1	Springer	30048958		Scopus
419	Article	Khan P.; Dutta S.	Effect of concentration gradient on spiral wave dynamics in the Belousov–Zhabotinsky reaction system	2024	Physical Chemistry Chemical Physics	27	4	2151	2157	6	10.1039/d4cp03734k	Royal Society of Chemistry	14639076		Scopus
420	Article	Yhobu Z.; Patel M.J.; Małecki J.G.; Nagaraju D.H.; Budagumpi S.	Mono- vs Tri-nuclear Silver(I) and Gold(I) N-Heterocyclic Carbene Complexes/Metallacycles as Free-Standing Carbon Cloth Electrodes for Hydrogen Evolution Reaction in Alkaline Medium	2024	Energy and Fuels	38	23	23058	23067	9	10.1021/acs.energyfuel.4c04103	American Chemical Society	8870624		Scopus
421	Article	Shishov A.; Markova U.; Mulloyarova V.; Tolstoy P.; Shkaeva N.; Kosyakov D.; Das N.K.; Banerjee T.	Deep eutectic solvent as stationary phase for flow analysis: Automated trace metal determination in food products	2024	Analytica Chimica Acta	1332					10.1016/j.aca.2024.343356	Elsevier B.V.	32670		Scopus
422	Article	Kumar I.; Singh A.	Reconstruction of reservoir rock using attention-based convolutional recurrent neural network	2024	Applied Computing and Geosciences	24					10.1016/j.acags.2024.100202	International Association for Mathematical Geosciences (IAMG)	25901974	All Open Access; Gold Open Access	Scopus
423	Article	Antony D.; Barman R.	On the p-Adic Valuation of Third Order Linear Recurrence Sequences	2024	Results in Mathematics	79	8				10.1007/s00025-024-02311-3	Birkhauser	14226383		Scopus
424	Article	Katare A.; Mandal B.	Chitosan-polyethersulfone mixed matrix composite membranes utilizing amine and non-amine hafnium-MOFs for enhanced CO2 separation	2024	Journal of Environmental Chemical Engineering	12	6				10.1016/j.jece.2024.114365	Elsevier Ltd	22133437		Scopus
425	Article	Yadav G.S.; Ghosh P.K.	BIOREMEDIATION OF SULFATE IN WATER ENVIRONMENT: AN OVERVIEW OF REMOVAL PATHWAYS AND INFLUENCING FACTORS	2024	Journal of Solid Waste Technology and Management	50	1	430	440	10	10.5276/JSWTM/ISWM AW/501/2024.430	Widener University School of Civil Engineering	10881697		Scopus
426	Article	Singh R.; Kumari S.V.G.; Pakshirajan K.; Pugazhenth G.	Optimizing the synthesis conditions of CaAl-layered double hydroxide and poly (3-hydroxybutyrate)/CaAl-LDH nanocomposite for potential use in antibacterial drug delivery	2024	Polymer Engineering and Science	64	12	6099	6114	15	10.1002/pen.26972	John Wiley and Sons Inc	323888		Scopus
427	Article	Kuri P.R.; Goswami P.	Unravelling aggregation propensity of rotavirus A VP6 expressed as E. coli inclusion bodies through in silico prediction	2024	Scientific Reports	14	1				10.1038/s41598-024-69896-1	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
428	Article	Singhal M.; Gupta R.	Patient-specific modelling of coronary hemodynamics: state of the art	2024	Sadhana - Academy Proceedings in Engineering Sciences	49	4				10.1007/s12046-024-02589-7	Springer	2562499		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
429	Article	Joardar S.; Duarah P.; Yanase E.; Purkait M.K.	Optimization of Inositol Extraction from Japanese Rice Bran and Its Potential Application in Inhibiting Calcium Oxalate Crystallization for Urolithiasis Prevention	2024	ACS Food Science and Technology	4	12	3149	3160	11	10.1021/acsfoodscitech.4c00770	American Chemical Society	26921944		Scopus
430	Article	Gond A.K.; Srivastava T.; Dalal A.; Basu D.N.	Characterization and comparative appraisal of two novel annular channel designs with variable flow areas for supercritical heat transfer	2024	Nuclear Engineering and Design	430					10.1016/j.nucengdes.2024.113679	Elsevier Ltd	295493		Scopus
431	Article	Veeramani V.; Ganesh P.S.; Bharanidharan S.; Muthuraja P.; Govindasamy C.; Rajamohan R.	2,5-Disubstituted structures of 1,3,4-oxadiazole and 1,3,4-thiodiazole for anti-inflammatory potential: DFT approach for the structural aspects	2024	Journal of Molecular Structure	1318					10.1016/j.molstruc.2024.139263	Elsevier B.V.	222860		Scopus
432	Review	Ram Prasanth S.; Prasannavenkadesan V.; Katiyar V.; Achalkumar A.S.	Polymer electrolytes: evolution, challenges, and future directions for lithium-ion batteries	2024	RSC Applied Polymers	3	3	499	531	32	10.1039/d4lp00325j	Royal Society of Chemistry	2755371X	All Open Access; Gold Open Access	Scopus
433	Article	Kotal A.; Jana K.; Roy S.; Satpathy J.K.; Kar R.K.	Induced surface process of graphene variants' dispersion with biocompatible riboflavin	2024	Colloids and Surfaces A: Physicochemical and Engineering Aspects	702					10.1016/j.colsurfa.2024.135029	Elsevier B.V.	9277757		Scopus
434	Article	Bimal K Chetri; Senapati A.; Shelke R.G.; Mitra S.; Rangan L.	Untangling the Evolutionary Tapestry: Plastome Insights Unveiled from Sieruela rutidosperma to Cleomaceae	2024	Biology Bulletin	51	Suppl 1	S44	S51	7	10.1134/S1062359024608152	Pleiades Publishing	10623590		Scopus
435	Article	Kar P.; Borsaikia A.C.; Singh K.D.	Structural behavior of partially confined circular CFST columns under lateral cyclic loading	2024	Thin-Walled Structures	205					10.1016/j.tws.2024.112478	Elsevier Ltd	2638231		Scopus
436	Article	Kumar S.; Borbora A.; Chakraborty P.; Sarma H.; Bandyopadhyay A.; Bose A.; Mandal B.B.; Tenjimbayashi M.; Manna U.	Controlled Chemical-Patterning of Textile to Accelerate Anti-Gravity Water Flow	2024	Advanced Functional Materials	34	52				10.1002/adfm.202410955	John Wiley and Sons Inc	1616301X		Scopus
437	Article	Parashar S.; Muthukumar P.; Soti A.K.	Experimental study on absorption and desorption behavior of a novel metal hydride reactor for stationary hydrogen storage applications	2024	International Journal of Hydrogen Energy	94		1224	1235	11	10.1016/j.ijhydene.2024.11.058	Elsevier Ltd	3603199		Scopus
438	Article	Gautam S.; Tiwari R.; Bordoloi D.J.	Diagnosis of Different Degree of Blockage Levels in the Centrifugal Pump Employing Vibration, Pressure and Current Data through Artificial Neural Network	2024	Journal of Dynamics, Monitoring and Diagnostics	3	4	279	296	17	10.37965/jdmd.2024.573	Intelligence Science and Technology Press Inc.	2833650X	All Open Access; Hybrid Gold Open Access	Scopus
439	Article	Nayak S.; Dhillon J.; Padhan A.M.; Deshpande S.K.; Thota S.	Broadband dielectric spectroscopy studies of Co3O4 and Co2TiO4 two-phase spinel composites	2024	Physica B: Condensed Matter	695					10.1016/j.physb.2024.16560	Elsevier B.V.	9214526		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
440	Article	Subba D.; Srinivasan A.	Co-Fe-Al Heusler Alloy Nanowires Prepared by Electrospinning Route for Spintronics Applications	2024	ACS Applied Nano Materials	7	24	28808	28817	983	10.1021/acsanm.4c06283	American Chemical Society	25740970		Scopus
441	Review	Kandasamy T.; Sarkar S.; Ghosh S.S.	Harnessing Drug Repurposing to Combat Breast Cancer by Targeting Altered Metabolism and Epithelial-to-Mesenchymal Transition Pathways	2024	ACS Pharmacology and Translational Science	7	12	3780	3794	1445	10.1021/acsptsci.4c00545	American Chemical Society	25759108	All Open Access; Hybrid Gold Open Access	Scopus
442	Article	Mallick R.; Vairakannu P.	Life cycle assessment of plasma gasification integrated molten carbonate fuel cells and chemical looping reforming using RDF feedstock	2024	Sustainable Energy and Fuels	9	2	627	639	12	10.1039/d4se01338g	Royal Society of Chemistry	23984902		Scopus
443	Article	Gogoi R.; Garg P.; Das P.P.; Rajak A.K.; Nath N.; Roy S.; Raidongia K.	Application of tandem heterojunction of metal oxides and hydroxides as robust and repairable moisture-electric generator	2024	Nano Energy	131					10.1016/j.nanoen.2024.110187	Elsevier Ltd	22112855		Scopus
444	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 Research	20452322	All Open Access; Gold Open Access	Scopus
445	Article	Bhardwaj J.S.; Chanda S.	Structural and hemodynamic analysis of Weaire-Phelan scaffolds made of Ti-alloy as bone replacement component: A preclinical investigation	2024	PLoS ONE	19	12				10.1371/journal.pone.0312880	Public Library of Science	19326203	All Open Access; Gold Open Access	Scopus
446	Article	Bhattacharyya K.; Lahiri S.; Islam M.; Basu S.	Holstein polaron in a pseudospin-1 quantum spin Hall system: First- and second-order topological phase transitions	2024	Physical Review B	110	23				10.1103/PhysRevB.110.235432	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
447	Article	Singh R.; Kumar S.; Rangan L.	Pongamia pinnata L. seed-derived karanjin as prominent antiviral agent against Newcastle disease virus	2024	Virology	600					10.1016/j.virol.2024.110272	Academic Press Inc.	426822		Scopus
448	Article	Pampi L.; Das G.	Influence of media on the matured calcite-to-vaterite phase transformation in the presence of Symphytum officinale	2024	CrystEngComm	27	9	1333	1340	7	10.1039/d4ce01030b	Royal Society of Chemistry	14668033		Scopus
449	Article	Singh A.; Sinha R.K.	SS-DNN: A hybrid strang splitting deep neural network approach for solving the Allen–Cahn equation	2024	Engineering Analysis with Boundary Elements	169					10.1016/j.enganabound.2024.105944	Elsevier Ltd	9557997		Scopus
450	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

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
451	Article	Kumar U.; Tiwari S.	Multiple Sign-Changing Solutions to Non-local Supercritical Exponent Problem in Symmetric Domains	2024	Mediterranean Journal of Mathematics	21	8				10.1007/s00009-024-02759-1	Birkhauser	16605446		Scopus
452	Article	Induchoodan T.G.; Choran N.; Kalamdhad A.S.	Domestic sewage as a sustainable freshwater substitute for enhanced anaerobic digestion of lignocellulosic biomass	2024	Scientific Reports	14	1				10.1038/s41598-024-83546-6	Nature Research	20452322	All Open Access; Gold Open Access	Scopus
453	Article	Ismayeel M.; Mehta S.K.; Mondal P.K.	Maximizing Blue Energy via Densely Grafted Soft Layers in Nanopores	2024	Langmuir	40	48	25495	25508	13	10.1021/acs.langmuir.4c03192	American Chemical Society	7437463		Scopus
454	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
455	Article	Rana A.; Ghosh S.; Mandal P.; Panda A.N.; Biswas S.	Amine-Anchored Nanoscale Covalent-Organic Framework for Detecting Kynurenine and Mitoxantrone from Biofluids and Environmental Water	2024	ACS Applied Polymer Materials	6	23	14812	14823	11	10.1021/acsapm.4c03014	American Chemical Society	26376105		Scopus
456	Article	Singh P.; Dogra P.; TG I.; Kalamdhad A.S.	Co-densification of rice straw and cow dung in different food-to-microorganism ratios for biogas production	2024	Scientific Reports	14	1				10.1038/s41598-024-52122-3	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
457	Article	Mohan S.; Banerjee A.	LSTM-Based Self-Sensing Application of Shape Memory Alloy Wire Actuators Under Practical Loading Conditions	2024	Shape Memory and Superelasticity	10	4	407	421	14	10.1007/s40830-024-00506-9	Springer	2199384X		Scopus
458	Article	Shill S.; Dolai G.; Sarkar A.; Mandal B.	Morphology Transition of Tripeptides from Porous Spherical to Rod-like Nanostructures for Small-Molecule Adsorption	2024	Langmuir	40	51	26889	26902	13	10.1021/acs.langmuir.4c03211	American Chemical Society	7437463		Scopus
459	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
460	Article	Das S.K.; Mallick S.	Repossession Through Community Participation: A Study of Vrihi Community Seed Bank in Odisha	2024	Social Change	54	4	508	525	17	10.1177/00490857241257110	SAGE Publications Ltd	490857		Scopus
461	Review	Srivastava S.; Das C.	Advanced hybridization of coagulation–ultrafiltration systems: A critical techno-economic review of integration strategies	2024	Journal of Water Process Engineering	68					10.1016/j.jwpe.2024.106297	Elsevier Ltd	22147144		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
462	Article	Baishya B.; Chakrabarti S.; Maity D.	Effect of scalar condensation on fermionic pole-skipping	2024	European Physical Journal C	84	12				10.1140/epjc/s10052-024-13625-5	Springer Nature	14346044	All Open Access; Gold Open Access	Scopus
463	Review	Khandelia T.; Panigrahi P.; Ghosh S.; Mandal R.; Doley B.; Patel B.K.	Solvent Dictated Organic Transformations	2024	Chemistry - An Asian Journal	19	24				10.1002/asia.202400603	John Wiley and Sons Ltd	18614728		Scopus
464	Article	Agrawal D.; Krishnaswamy S.; Das S.	On Boolean functions derived from linear maps over Z4 and their application to secret sharing	2024	Designs, Codes, and Cryptography	92	12	4011	4033	22	10.1007/s10623-024-01478-8	Springer	9251022		Scopus
465	Article	Singh H.K.; Singh N.S.; Mohapatra P.P.; Giri P.K.; Meena S.S.; Dobbidi P.	Optically switchable currents in perpendicular magnetic anisotropy M-type hexaferrite	2024	Physical Review B	110	23				10.1103/PhysRevB.110.235124	American Physical Society	24699950		Scopus
466	Article	Duarah P.; Debnath B.; Purkait M.K.	Synthesis of antibacterial fluorescent carbon dots and green coal-like hydrochar from tea Industry byproducts via hydrothermal carbonization	2024	Industrial Crops and Products	221					10.1016/j.indcrop.2024.119364	Elsevier B.V.	9266690		Scopus
467	Article	Basak S.; Paul T.; Nanjegowda M.V.; Punniyamurthy T.	Integrating C–H activation/2-fold annulation: a modular access to heteroaryl-tethered oxazoloisoquinolinones	2024	Chemical Communications	61	8	1693	1696	3	10.1039/d4cc06123c	Royal Society of Chemistry	13597345		Scopus
468	Article	Kumar A.; Sarkar A.; Sengupta B.	Monetary and Fiscal Policy Impacts on the Indian Sovereign Bond Market: A VAR Approach	2024	South Asian Journal of Macroeconomics and Public Finance	13	2	143	168	25	10.1177/22779787241282730	SAGE Publications Ltd	22779787		Scopus
469	Article	Kumar N.; Mhapsekar U.; Banerjee T.	Dispersion Stability Mechanism of Asphaltene in Deep Eutectic Solvents through Multiresolution Simulation Approaches	2024	Industrial and Engineering Chemistry Research	63	50	22005	22017	12	10.1021/acs.iecr.4c02351	American Chemical Society	8885885		Scopus
470	Article	Kumari S.; Adhikary A.; Singh K.K.	BioID proximity mapping reveals novel SAP18 interactions in the prespliceosomal complex	2024	Biochemical and Biophysical Research Communications	738					10.1016/j.bbrc.2024.150944	Elsevier B.V.	0006291X		Scopus
471	Article	Mia A.K.; Sinha S.; Giri P.K.	Highly sensitive and selective optical detection of Staphylococcus aureus using thiol functionalized monolayer tungsten disulfide grown by chemical vapor deposition	2024	Sensors and Actuators Reports	8					10.1016/j.snr.2024.100214	Elsevier B.V.	26660539	All Open Access; Gold Open Access	Scopus
472	Article	Bhattacharyya H.P.; Sarma M.	Role of Active Centers in Predicting the Catalyst Turnover: A Theoretical Study	2024	Chemistry - A European Journal	30	72				10.1002/chem.202403631	John Wiley and Sons Inc	9476539	All Open Access; Bronze Open Access	Scopus
473	Article	Prasad V.; Verma V.; Tarodiya R.; Choudhary T.; Ravi R.K.; Kumar M.	Experimental Performance Investigation of Double-Slope Solar Still With Splitter Plate and Hollow Circular Fins	2025	Journal of Thermal Science and Engineering Applications	17	1				10.1115/1.4066920	American Society of Mechanical Engineers (ASME)	19485085		Scopus
474	Article	Biswas S.; Alagarsamy P.; Srinivasan A.	Influence of atomic substitution on the structural stability and half-metallicity of Fe2-xCrxCoS (x = 0 to 1) alloys	2024	Journal of Magnetism and Magnetic Materials	612					10.1016/j.jmmm.2024.172648	Elsevier B.V.	3048853		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
475	Article	Pradhan P.; Biswas A.; Rotta M.K.V.; Kancharla P.K.	Strained Ion Pair Interactions-Driven Anion-Assisted Concerted Addition of Ketoximes/Aldoximes and Hydroxamic Acids to Glycals	2024	Organic Letters	26	48	10382	10387	5	10.1021/acs.orglett.4c03999	American Chemical Society	15237060		Scopus
476	Article	Das P.; Dey T.N.	Linear and nonlinear propagation of cylindrical vector beams through a nondegenerate four-level atomic system	2024	Physical Review A	110	6				10.1103/PhysRevA.110.063720	American Physical Society	24699926		Scopus
477	Article	Biswal S.K.; Pal S.	Induction assisted autogenous plasma arc welding of HSLA steel	2024	Journal of Materials Processing Technology	333					10.1016/j.jmatprotec.2024.118583	Elsevier Ltd	9240136		Scopus
478	Article	Faraz S.; Mehta K.; Bharatam P.V.; Khan A.T.	Synthesis of Pyranocoumarin through MCRs: Modulation of this Approach as a Function of Substituent Effect Forms the Furocoumarin and 4-Hydroxy-3-styryl Coumarin as a Function of Solvent Effect	2024	Journal of Organic Chemistry	89	23	17362	17373	11	10.1021/acs.joc.4c02028	American Chemical Society	223263		Scopus
479	Article	Islam M.; Basu S.	Screw dislocation in a Rashba spin-orbit coupled α -T3 Aharonov–Bohm quantum ring	2024	Scientific Reports	14	1				10.1038/s41598-024-61889-4	Nature Research	20452322	All Open Access; Gold Open Access	Scopus
480	Article	Srinivasan E.; Hariharasubramanian R.	Minimum length word-representants of graph products	2024	Discrete Applied Mathematics	358		91	104	13	10.1016/j.dam.2024.07.002	Elsevier B.V.	0166218X	All Open Access; Green Open Access	Scopus
481	Article	Hazarika N.; Konwar M.; Das A.	Synthesis of π -Extended Imidazo[1,2-a]quinolines via Carboxylic Acid-Assisted Ru(II)-Catalyzed Dual C-H Activation and Alkyne Annulation	2024	Organic Letters	26	49	10447	10452	5	10.1021/acs.orglett.4c03522	American Chemical Society	15237060		Scopus
482	Article	Ghosh P.; Mukhopadhyay S.; Kandasamy T.; Mondal S.; Ghosh S.S.; Iyer P.K.	Multifunctional hydroxyquinoline-derived turn-on fluorescent probe for Alzheimer’s disease detection and therapy†	2024	Journal of Materials Chemistry B	13	4	1412	1423	11	10.1039/d4tb01740d	Royal Society of Chemistry	2050750X		Scopus
483	Article	Ghosh S.; Swain J.	On the Schatten exponent in orthonormal Strichartz estimate for the Dunkl operators	2024	Analysis and Mathematical Physics	14	6				10.1007/s13324-024-00970-7	Birkhauser	16642368		Scopus
484	Article	Manojkumar M.; Chaudhury N.; Purnima M.; Goswami K.P.; Pakshirajan K.; Pugazhenth G.	Separation of mercury (II) ions from aqueous solution using zeolite-P composite membrane developed on low cost tubular ceramic support	2024	Case Studies in Chemical and Environmental Engineering	10					10.1016/j.cscee.2024.100871	Elsevier Ltd	26660164	All Open Access; Gold Open Access	Scopus
485	Article	Sahoo L.; Panwar P.; Sastri C.V.; de Visser S.P.	Unraveling Chlorite Oxidation Pathways in Equatorially Heteroatom-Substituted Nonheme Iron Complexes	2024	ACS Organic and Inorganic Au	4	6	673	680	7	10.1021/acsorginorgau.4c00045	American Chemical Society	2694247X	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
486	Article	Singh A.	NEW CONGRUENCES AND DENSITY RESULTS FOR t-REGULAR PARTITIONS WITH DISTINCT EVEN PARTS	2024	Rocky Mountain Journal of Mathematics	54	6	1715	1731	16	10.1216/rmj.2024.54.1715	Rocky Mountain Mathematics Consortium	357596		Scopus
487	Article	Sahu S.; Balmuchu S.P.; Dobbidi P.; Sahu D.P.	Phase transition and magnetodielectric response in Ni0.5Co0.5Fe2O4 – BaTiO3 composites at cryogenic temperature	2024	Journal of Alloys and Compounds	1008					10.1016/j.jallcom.2024.176745	Elsevier Ltd	9258388		Scopus
488	Article	Das P.P.; Tiwari R.; Bordoloi D.J.	Comprehensive Analysis of Transmission Error & Misalignment Effects in a Geared-Rotor System and Its Control with Active Magnetic Bearings: Dynamic Modelling and Experimental Assessment	2024	Journal of Vibration Engineering and Technologies	12	Suppl 1	1145	1170	25	10.1007/s42417-024-01466-1	Springer	25233920		Scopus
489	Article	Mondal A.; Manivannan V.	A naphthyl appended ninhydrin based colorimetric chemosensor for Cu2+ ion: Detection of cysteine and ATP	2024	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	322					10.1016/j.saa.2024.124734	Elsevier B.V.	13861425		Scopus
490	Article	Panda S.; Kumar N.	Stability analysis of axially loaded sandwich beams with a five-layered composite core made of viscoelastic and functionally graded material layers	2024	Meccanica	59	12	2227	2263	36	10.1007/s11012-024-01889-w	Springer Science and Business Media B.V.	256455		Scopus
491	Article	Mohan M.; Saha U.K.	Wind tunnel tests of a two-bladed Savonius wind rotor with novel parabolic blades	2024	Wind Engineering	48	6	1039	1054	15	10.1177/0309524X241239983	SAGE Publications Inc.	0309524X		Scopus
492	Article	Das S.K.; Gautam S.S.	A comprehensive isogeometric analysis of frictional Hertz contact problem	2024	Tribology International	200					10.1016/j.triboint.2024.110078	Elsevier Ltd	0301679X		Scopus
493	Article	Singh A.P.; Baruah J.B.	Hydrates of N-((10-Chloroanthracen-9-yl)methyl)-3-(1H-imidazol-1-yl)propan-1-ammonium Cobalt(II), Copper(II), and Zinc(II) 2,6-Pyridinedicarboxylate: Reversible Crystallization	2024	ACS Omega	9	48	47848	47856	8	10.1021/acsomega.4c08822	American Chemical Society	24701343	All Open Access; Gold Open Access	Scopus
494	Review	Jagadish K.; Rahane G.K.; Kumar B.S.; Borkar D.R.; Chordiya K.; Kavanagh S.R.; Roy A.; Debnath T.; Kolekar S.; Kahaly M.U.; Mali S.S.; Pal S.; Gasparini N.; Dubal D.P.; Rondiya S.R.	Interface-Centric Strategies in Kesterite Solar Cells: Addressing Challenges, Solutions, and Future Directions for Efficient Solar-Harvesting Technologies	2024	Small	20	52				10.1002/smll.202402048	John Wiley and Sons Inc	16136810		Scopus
495	Article	Kumar D.; Gupta A.K.	Self-consistent-field solution for unstable anions	2024	Physical Review A	110	6				10.1103/PhysRevA.110.062821	American Physical Society	24699926		Scopus
496	Article	Bhatia E.; Chakrabarti S.; Chakraborty S.	Phenomenology of renormalization group improved gravity from the kinematics of SPARC galaxies	2024	Physical Review D	110	12				10.1103/PhysRevD.110.124014	American Physical Society	24700010	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
497	Article	Dutta S.; Robi P.S.	Prediction of creep behavior of Zr-Nb alloy under dual-phase condition using data driven models	2024	Mechanics of Time-Dependent Materials	28	4	2963	2980	17	10.1007/s11043-024-09703-6	Springer Nature	13852000		Scopus
498	Article	Bhati G.; Dharanikota N.P.S.K.; Uppaluri R.V.S.; Mandal B.	CO2 selectivity and adsorption performance of K2CO3-modified zeolite: a temperature-dependent study	2024	Environmental Science and Pollution Research	31	56	65051	65065	14	10.1007/s11356-024-35493-y	Springer	9441344		Scopus
499	Article	Ghoshal P.; Dhaka M.; Sairam A.S.	On the effectiveness of differential privacy to continuous queries	2024	Service Oriented Computing and Applications	18	4	381	395	14	10.1007/s11761-024-00397-9	Springer Science and Business Media Deutschland GmbH	18632386		Scopus
500	Article	Mahanta B.; Sarma A.K.; Kakoty S.K.	Bridging the Gap: Assessing Performance and Planned Importance in Watershed Projects Using Participatory Methods	2024	Journal of The Institution of Engineers (India): Series A	105	4	835	850	15	10.1007/s40030-024-00827-z	Springer	22502149		Scopus
501	Article	Borah D.; Das N.; Das S.J.; Samanta R.	Cogenesis of baryon and dark matter with PBHs and the QCD axion	2024	Physical Review D	110	11				10.1103/PhysRevD.110.115013	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
502	Article	Das A.K.; Borah M.; Kalita J.J.; Bora U.	Cytotoxic potential of Curcuma caesia rhizome extract and derived gold nanoparticles in targeting breast cancer cell lines	2024	Scientific Reports	14	1				10.1038/s41598-024-66175-x	Nature Research	20452322		Scopus
503	Article	Nagarajan M.; Vijayan P.; Ranganathan S.	Unlocking the insightful performances of metakaolin and ferrochrome slag sand mortar at elevated core temperatures	2024	Innovative Infrastructure Solutions	9	12				10.1007/s41062-024-01771-4	Springer Science and Business Media Deutschland GmbH	23644176		Scopus
504	Article	Chand K.; Sharma M.; De A.K.	Significance of coherent structures in augmented heat flux in roughness-aided Rayleigh-Bénard convection	2024	Physics of Fluids	36	12				10.1063/5.0237891	American Institute of Physics	10706631		Scopus
505	Article	Singh L.G.; Singh S.R.	Characteristics of opinions in the societal and non-societal domains	2024	Social Network Analysis and Mining	14	1				10.1007/s13278-024-01306-w	Springer	18695450	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
506	Article	Dutta Baruah R.; Muñoz Organero M.	Explicit Context Integrated Recurrent Neural Network for applications in smart environments	2024	Expert Systems with Applications	255					10.1016/j.eswa.2024.124752	Elsevier Ltd	9574174		Scopus
507	Article	Mondal N.; Dalal D.C.	A Model for Reversible Electroporation to Deliver Drugs into Diseased Tissues	2024	Journal of Membrane Biology	257	#####	365	376	11	10.1007/s00232-024-00321-4	Springer	222631		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
508	Article	Tara A.; Paul A.; Singha A.; Gohri S.; Madan J.; Pandey R.; Kumar P.; Hossain I.; Bhattarai S.	Modeling organic electron transport layers in mixed cation tin-based perovskite solar cells	2024	Journal of Nanoparticle Research	26	12				10.1007/s11051-024-06196-9	Springer Science and Business Media B.V.	13880764		Scopus
509	Article	Gupta P.K.; Chakraborty S.; Kalita S.; Sarma A.K.	Quantum signatures of bistability and limit cycle in Kerr-modified cavity magnomechanics	2024	Physical Review A	110	6				10.1103/PhysRevA.110.063504	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
510	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
511	Review	Mohapatra P.P.; Li G.; Alagarsamy P.; Xu X.	Advances in grain-boundary diffusion for high-performance permanent magnets	2024	Materials Futures	3	4				10.1088/2752-5724/ad70ce	Institute of Physics	27525724	All Open Access; Gold Open Access	Scopus
512	Article	Singh S.; Bai M.; Matthews A.; Joshi S.N.; Goel S.	Strain engineering: A sustainable alternative to avoid using strategic and critical raw materials in developing high-performance alloys	2024	Materials Today Advances	24					10.1016/j.mtadv.2024.100538	Elsevier Ltd	25900498	All Open Access; Gold Open Access	Scopus
513	Article	Bharatbhai Akhani S.; Kumar Thatikonda S.; Solanki M.B.; Akhani T.; Gone S.; Singh Rathore M.	Photoluminescence and photocatalytic activity of sol gel synthesized Mg doped TiO2 nanoparticles	2024	Inorganic Chemistry Communications	170					10.1016/j.inoche.2024.113294	Elsevier B.V.	13877003		Scopus
514	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
515	Article	Sethy P.K.; Korada L.; Behera S.K.; Shirole A.; Amat R.; Nanthaamornphong A.	Maximizing steel slice defect detection: Integrating ResNet101 deep features with SVM via Bayesian optimization	2024	Systems and Soft Computing	6					10.1016/j.sasc.2024.200170	Academic Press	27729419	All Open Access; Gold Open Access	Scopus
516	Review	Kumar A.; Yap K.C.-H.; BharathwajChetty B.; Lyu J.; Hegde M.; Abbas M.; Alqahtani M.S.; Khadlikar S.; Zarrabi A.; Khosravi A.; Kumar A.P.; Kunnumakkara A.B.	Regulating the regulators: long non-coding RNAs as autophagic controllers in chronic disease management	2024	Journal of Biomedical Science	31	1				10.1186/s12929-024-01092-9	BioMed Central Ltd	10217770	All Open Access; Gold Open Access	Scopus
517	Article	Gayen D.; Tiwari R.; Chakraborty D.	Thermo-Elastic Static Behavior of Functionally Graded Shafts with Different Material Gradation Patterns	2024	Journal of Vibration Engineering and Technologies	12	8	8963	8978	15	10.1007/s42417-024-01581-z	Springer	25233920		Scopus
518	Article	Manna K.; Debnath B.; Borgohain R.; Singh W.S.; Saha S.; Ikbal A.M.A.; Sahoo L.	Formulation and evaluation of novel herbal antidiabetic nutraceutical powder dosage using edible plant components of Tripura, India	2024	Discover Food	4	1				10.1007/s44187-024-00158-9	Springer Nature	27314286	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
519	Article	Mitra S.; Vrba J.; Rayimbaev J.; Stuchlik Z.; Ahmedov B.	Charged particles and quasiperiodic oscillations in Black–bounce–Reissner–Nordström geometry in braneworlds	2024	Physics of the Dark Universe	46					10.1016/j.dark.2024.101561	Elsevier B.V.	22126864		Scopus
520	Article	M R.; G P.; D V.	Zirconia encrusted ceramic composite membrane for uremic toxins removal: Fabrication and assessment of biocompatibility	2024	Chemical Engineering and Processing - Process Intensification	206					10.1016/j.cep.2024.110048	Elsevier B.V.	2552701		Scopus
521	Article	Das K.; Sharma S.; Kumar S.; Mahajan S.; Banerjee S.K.; Katiyar V.	Chitosan nanoparticles and neem essential oil functionalized pullulan/gum arabic active edible biocomposites for fresh-cut guava preservation	2024	International Journal of Biological Macromolecules	283					10.1016/j.ijbiomac.2024.136936	Elsevier B.V.	1418130		Scopus
522	Review	Aswani B.S.; Hegde M.; Vishwa R.; Alqahtani M.S.; Abbas M.; Almubarak H.A.; Sethi G.; Kunnumakkara A.B.	Tackling exosome and nuclear receptor interaction: an emerging paradigm in the treatment of chronic diseases	2024	Military Medical Research	11	1				10.1186/s40779-024-00564-1	BioMed Central Ltd	20957467		Scopus
523	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.; Akbar F.; Allison K.; Alonso Monsalve S.; Alrashed M.; Alton A.; Alvarez R.; Alves T.; Amar H.; Amedo P.; Anderson J.; Andreopoulos C.; Andreotti M.; Andrews M.P.; Andrianala F.; Andringa S.; Anfimov N.; Ankowski A.; Antic D.; Antoniassi M.; Antonova M.; Antoshkin A.; Aranda-Fernandez A.; Arellano L.; Arrieta Diaz E.; Arroyave M.A.; Asaadi J.; Ashkenazi A.; Asner D.M.; Asquith L.; Atkin E.; Auguste D.; Aurisano A.; Aushev V.; Autiero D.; Azam M.B.; Azfar F.; Back A.; Back H.; Back J.J.; Bagaturia I.; Bagby L.; Balashov N.; Balasubramanian S.; Baldi P.; Baldini W.; Baldonado J.; Baller B.; Bambah B.; Banerjee R.; Barao F.; Barbu D.; Barenboim G.; Barham Alzás P.; Barker G.J.; Barkhouse W.; Barr G.; Barranco Monarca J.; Barros A.; Barros N.;	DUNE Phase II: scientific opportunities, detector concepts, technological solutions	2024	Journal of Instrumentation	19	12				10.1088/1748-0221/19/12/P12005	Institute of Physics	17480221		Scopus
524	Article	Barman N.; Gokhale S.; Tiwari D.	Impact of boundary layer parameterizations on simulated seasonal meteorology over North-East India	2024	Dynamics of Atmospheres and Oceans	108					10.1016/j.dynatmoce.2024.101505	Elsevier Ltd	3770265		Scopus
525	Article	Ghosh N.; Kundu L.M.	A reagent-free, sequence-dependent in situ peptide self-cyclization strategy under physiological condition	2024	European Journal of Medicinal Chemistry Reports	12					10.1016/j.ejmcr.2024.100236	Elsevier Masson s.r.l.	27724174	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
526	Review	Mehta K.; Hegde M.; Girisa S.; Vishwa R.; Alqahtani M.S.; Abbas M.; Shakibaei M.; Sethi G.; Kunnumakkara A.B.	Targeting RTKs/nRTKs as promising therapeutic strategies for the treatment of triple-negative breast cancer: evidence from clinical trials	2024	Military Medical Research	11	1				10.1186/s40779-024-00582-z	BioMed Central Ltd	20957467	All Open Access; Gold Open Access	Scopus
527	Article	Bharadwaj A.; Kumar A.; Kalita R.; Mitra R.; Sharma A.; Jaganathan B.G.; Bhattacharyya J.; Sarma A.; Garcia E.; Kumar S.; Lightley J.; Alexandrov Y.; Dunsby C.; Neil M.; French P.M.W.; Boruah B.R.	Super-resolved fluorescence imaging utilising accessible stochastic optical reconstruction microscopy (easySTORM) implemented on a low-cost, modular open-source (openFrame) microscope	2024	Measurement Science and Technology	35	12				10.1088/1361-6501/ad761b	Institute of Physics	9570233		Scopus
528	Article	Kumar R.; Deka B.	Analysis and computation of a weak Galerkin scheme for solving the 2D/3D stationary Stokes interface problems with high-order elements	2024	Journal of Numerical Mathematics	32	4	347	367	20	10.1515/jnma-2023-0112	Walter de Gruyter GmbH	15702820		Scopus
529	Article	Meitei S.R.; Singh N.H.; Meitei P.N.; Devi L.S.	Hexagonal ZnO nanorods synthesized via hydrothermal method: a study of their structural and optical properties and photodetection potential	2024	Journal of Materials Science: Materials in Electronics	35	36				10.1007/s10854-024-14052-8	Springer	9574522		Scopus
530	Article	Deepthi Jayan K.; Bhattarai S.	Band offset optimization in MAgel3 based perovskite solar cells	2024	Inorganic Chemistry Communications	170					10.1016/j.inoche.2024.113473	Elsevier B.V.	13877003		Scopus
531	Article	Kumar P.; Tiwari R.	Identification in a Magnetically Levitated Rigid Rotor System Integrated with Misaligned Sensors and Active Magnetic Bearings	2024	Journal of Vibration Engineering and Technologies	12	8	9009	9030	21	10.1007/s42417-024-01576-w	Springer	25233920		Scopus
532	Article	Lalthlansanga C.; Pottipati S.; Mohanty B.; Kalamdhad A.S.	Role of cow dung and sawdust during the bioconversion of swine waste through the rotary drum composting process	2024	Environmental Monitoring and Assessment	196	12				10.1007/s10661-024-13395-3	Springer Science and Business Media Deutschland GmbH	1676369		Scopus
533	Article	Lunge O.R.; Ravidas B.K.; Bhattarai S.; Pandey R.; Madan J.; Roy M.K.; Hossain M.K.; Samajdar D.P.	DFT and SCAPS-1D based optimization study of double perovskite Cs2AuBiCl6 solar cells utilizing different charge transport layers	2024	Journal of Physics and Chemistry of Solids	195					10.1016/j.jpccs.2024.112260	Elsevier Ltd	223697		Scopus
534	Article	Sen G.; Chakraborty C.; Bhattacharyya S.; Maity D.; Chakrabarti S.; Das S.	Study of a tilted thin accretion disk around a Kerr-Taub-NUT black hole	2024	Journal of Cosmology and Astroparticle Physics	2024	12				10.1088/1475-7516/2024/12/030	Institute of Physics	14757516	All Open Access; Hybrid Gold Open Access	Scopus
535	Review	Ghosh S.; Rajendran R.L.; Mahajan A.A.; Chowdhury A.; Bera A.; Guha S.; Chakraborty K.; Chowdhury R.; Paul A.; Jha S.; Dey A.; Dubey A.; Gorai S.; Das P.; Hong C.M.; Krishnan A.; Gangadaran P.; Ahn B.-C.	Harnessing exosomes as cancer biomarkers in clinical oncology	2024	Cancer Cell International	24	1				10.1186/s12935-024-03464-5	BioMed Central Ltd	14752867	All Open Access; Gold Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
536	Article	Bhaduri R.; Vinodhkumar B.; Barua A.; Rao K.K.; Sabade S.; Sarma A.K.	Unveiling Tomorrow’s Deluge: Investigating Precipitation Extremes in the Brahmaputra River Basin Using NEX-GDDP Datasets	2024	Water Conservation Science and Engineering	9	2				10.1007/s41101-024-00305-4	Springer Nature	23663340		Scopus
537	Review	Ghosh S.; Dey A.; Chakrabarti A.; Bhuniya T.; Indu N.; Hait A.; Chowdhury A.; Paul A.; Mahajan A.A.; Papadakis M.; Alexiou A.; Jha S.K.	The theragnostic advances of exosomes in managing leukaemia	2024	Journal of Cellular and Molecular Medicine	28	23				10.1111/jcmm.70052	John Wiley and Sons Inc	15821838	All Open Access; Gold Open Access	Scopus
538	Article	Vijay; Chand A.K.B.	Shape preserving aspects of a novel class of bi-cubic partially blended rational zipper fractal interpolation surfaces	2024	Journal of Analysis	32	6	3475	3505	30	10.1007/s41478-024-00814-4	Springer Science and Business Media B.V.	9713611		Scopus
539	Article	Balasubramani K.; Ravichandran V.; Prasad K.A.; Ramkumar M.; Shekhar S.; James M.M.; Kodali N.K.; Behera S.K.; Gopalan N.; Sharma R.K.; Sarma D.K.; Santosh M.; Dash A.P.; Balabaskaran Nina P.	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 Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
540	Editorial	Tiwari R.; Darpe A.K.; Tiwari M.	Editorial	2024	Journal of Vibration Engineering and Technologies	12	8	8945	8946	1	10.1007/s42417-024-01579-7	Springer	25233920	All Open Access; Hybrid Gold Open Access	Scopus
541	Review	Manickasamy M.K.; Jayaprakash S.; Girisa S.; Kumar A.; Lam H.Y.; Okina E.; Eng H.; Alqahtani M.S.; Abbas M.; Sethi G.; Kumar A.P.; Kunnumakkara A.B.	Delineating the role of nuclear receptors in colorectal cancer, a focused review	2024	Discover Oncology	15	1				10.1007/s12672-023-00808-x	Springer Science and Business Media B.V.	27306011		Scopus
542	Article	Singh H.; Seehra M.S.; Irshad K.A.; Joseph B.; Prellier W.; Thota S.	Structural changes in honeycomb layers of Mn3NiTa2O9 under pressures up to 14 GPa using in situ synchrotron x-ray diffraction	2024	AIP Advances	14	12				10.1063/5.0241231	American Institute of Physics	21583226		Scopus
543	Article	Nema P.; Vijaya; Muthukumar P.; Thangavel R.	Recent Advancements and Future Prospects in Lithium-Ion Battery Thermal Management Techniques	2024	Energy Storage	6	8				10.1002/est2.70076	John Wiley and Sons Inc	25784862	All Open Access; Bronze Open Access	Scopus
544	Article	Kumar M.; Saraf R.; Behera S.K.; Das R.; Aliveli M.; Sinharoy A.; Rene E.R.; Krishnaiah R.; Pakshirajan K.	Development and optimization of a neural network model using genetic algorithm to predict the performance of a packed bed reactor treating sulphate-rich wastewater	2024	Case Studies in Chemical and Environmental Engineering	10					10.1016/j.cscee.2024.100793	Elsevier Ltd	26660164	All Open Access; Gold Open Access	Scopus
545	Article	Saikia P.J.; Muthu N.	Estimation of CZM Parameters for Investigating the Interface Fracture of Adhesively Bonded Joints Under Mode I, Mode II, and Mixed-Mode (I/II) Loading	2024	Fatigue and Fracture of Engineering Materials and Structures	47	12	4636	4649	13	10.1111/ffe.14457	John Wiley and Sons Inc	8756758X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
546	Article	Roy K.; Roy S.; Basu S.	Quasiperiodic disorder induced critical phases in a periodically driven dimerized p-wave Kitaev chain	2024	Scientific Reports	14	1				10.1038/s41598-024-70995-2	Nature Research	20452322	All Open Access; Gold Open Access; Green Open Access	Scopus
547	Article	Bhattacharjee B.; Sharma A.K.; Pradhan G.	The effect of laser energy on the size of WS2 quantum dots synthesized by pulsed laser ablation in liquid	2024	Interactions	245	1				10.1007/s10751-024-02145-z	Springer Nature	30050731		Scopus
548	Article	Mallick N.S.	Orbital angular momentum carrying mid-infrared Bessel beam generation at room temperature	2024	Journal of the Optical Society of America B: Optical Physics	41	12	2773	2779	6	10.1364/JOSAB.541093	Optica Publishing Group (formerly OSA)	7403224		Scopus
549	Article	Saha S.; Kumar S.; Mahakur V.K.; Sharma S.; Saha A.	Development and machine learning based prediction of carbon/hemp/ramie sandwich composite as sustainable and ecofriendly solution for automobile application	2024	Materials Today Communications	41					10.1016/j.mtcomm.2024.110817	Elsevier Ltd	23524928		Scopus
550	Article	Chetri B.K.; Senapati A.; Shelke R.G.; Mitra S.; Rangan L.	Phylogenetic exploration, codon usage bias, and genomic divergence in Hydrocotyle: a comparative plastome study across different geographical locations	2024	Genetica	152	#####	199	209	10	10.1007/s10709-024-00213-4	Springer Science and Business Media Deutschland GmbH	166707		Scopus
551	Editorial	Tiwari H.K.; Beardsley J.; Zadoks R.; Tan D.K.; Bory S.; Duc P.P.; Nguyen T.T.H.; Theppangna W.	Editorial special edition: Addressing antimicrobial resistance in Southeast Asia	2024	One Health	19					10.1016/j.onehlt.2024.100866	Elsevier B.V.	23527714	All Open Access; Gold Open Access	Scopus
552	Article	Zimik M.; Sarmah S.; Kakati B.K.; Dekka D.; Thangavel R.	Pyrolytic conversion of Mesua ferrea testa to nitrogen-doped porous carbon for supercapacitor applications	2024	Materials Research Bulletin	180					10.1016/j.materresbull.2024.113017	Elsevier Ltd	255408		Scopus
553	Article	Nehru G.; Balakrishnan R.; Swaminathan N.; Tadi S.R.R.; Sivaprakasam S.	Heparosan biosynthesis in recombinant Bacillus megaterium: Influence of N-acetylglucosamine supplementation and kinetic modeling	2024	Biotechnology and Applied Biochemistry	71	6	1346	1359	13	10.1002/bab.2634	John Wiley and Sons Inc	8854513		Scopus
554	Article	Bhattarai S.; Mohammed M.K.A.; Hossain I.; Dakua P.K.; Pandey R.; Madan J.	Bio-synthesized ZnO in cesium based perovskite solar cells: A pathway to sustainable high efficiency	2024	Solid State Communications	393					10.1016/j.ssc.2024.115671	Elsevier Ltd	381098		Scopus
555	Article	Islam N.; Hasib K.M.; Mridha M.F.; Alfarhood S.; Safran M.; Bhuyan M.K.	Fusing global context with multiscale context for enhanced breast cancer classification	2024	Scientific Reports	14	1				10.1038/s41598-024-78363-w	Nature Research	20452322	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
556	Review	Mandal S.; Yadav A.; Kumar S.; Murasingh S.	An extensive review study on bioresources recovery from tea waste and its emerging applications	2024	Waste Management Bulletin	2	4	155	166	11	10.1016/j.wmb.2024.11.003	Elsevier B.V.	29497507	All Open Access; Gold Open Access	Scopus
557	Erratum	Linnartz J.F.; Kool A.; Lorenz J.P.; Müller C.S.A.; van Delft M.R.; Singha R.; Schoop L.M.; Hussey N.E.; de Visser A.; Wiedmann S.	Correction to: Unraveling magneto-elastoresistance in the Dirac nodal-line semi-metal ZrSiSe (npj Quantum Materials, (2024), 9, 1, (63), 10.1038/s41535-024-00670-2)	2024	npj Quantum Materials	9	1				10.1038/s41535-024-00681-z	Nature Research	23974648	All Open Access; Gold Open Access	Scopus
558	Article	Bora N.; Büyükakpınar P.; Das S.	3D structural modelling of the Kopili fault zone in North-East India: Seismotectonic analysis utilising focal mechanism solutions of small-to-moderate earthquakes	2024	Journal of Asian Earth Sciences	276					10.1016/j.jseaes.2024.106348	Elsevier Ltd	13679120		Scopus
559	Article	Cengizci S.; Uğur Ö.; Natesan S.	SUPG-based stabilized finite element computations of convection-dominated 3D elliptic PDEs using shock-capturing	2024	Journal of Computational and Applied Mathematics	451					10.1016/j.cam.2024.116022	Elsevier B.V.	3770427		Scopus
560	Article	Chandra R.; Sonawane J.; Lande J.	An Analysis of Vaccine-Related Sentiments on Twitter (X) from Development to Deployment of COVID-19 Vaccines	2024	Big Data and Cognitive Computing	8	12				10.3390/bdcc8120186	Multidisciplinary Digital Publishing Institute (MDPI)	25042289	All Open Access; Gold Open Access	Scopus
561	Article	Ghosh R.; Chakraborty B.; Nahum-Shani I.; Patrick M.E.; Ghosh P.	Optimal adaptive SMART designs with binary outcomes	2024	Biometrics	80	4				10.1093/biomtc/ujae140	Oxford University Press	0006341X	All Open Access; Green Open Access	Scopus
562	Review	Manickasamy M.K.; Sajeev A.; BharathwajChetty B.; Alqahtani M.S.; Abbas M.; Hegde M.; Aswani B.S.; Shakibaei M.; Sethi G.; Kunnumakkara A.B.	Exploring the nexus of nuclear receptors in hematological malignancies	2024	Cellular and Molecular Life Sciences	81	1				10.1007/s00018-023-05085-z	Springer Science and Business Media Deutschland GmbH	1420682X	All Open Access; Hybrid Gold Open Access	Scopus
563	Article	Mohanty P.; Boro P.K.; Heydtmann S.; Durr S.; Tiwari H.K.	Rabies in rural northeast India: A case report emphasising the urgency of the One Health approach	2024	One Health	19					10.1016/j.onehlt.2024.100850	Elsevier B.V.	23527714	All Open Access; Gold Open Access; Green Open Access	Scopus
564	Article	Verma A.; Kulkarni V.	Exploration of bio-inspired wingtip devices for low aspect ratio wing	2024	Engineering Research Express	6	4				10.1088/2631-8695/ad937d	Institute of Physics	26318695		Scopus
565	Article	Srivastava T.; Gond A.K.; Basu D.N.	Numerical appraisal of the role of heat transfer regimes on transient response of carbon dioxide based supercritical natural circulation loop during power upsurge	2024	Nuclear Engineering and Design	429					10.1016/j.nucengdes.2024.113601	Elsevier Ltd	295493		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
566	Article	Hassene Gritli; Jenhani S.; Narayan J.	Motion Control of Manipulator Robots via Two PD-Based Nonlinear Controllers: Design and Comparative Analysis	2024	Automatic Control and Computer Sciences	58	6	603	616	13	10.3103/S0146411624701086	Pleiades Publishing	1464116		Scopus
567	Article	Das H.J.; Mahanta P.	Atmospheric Bubbling Fluidized Bed Risers: Effect of Cone Angle on Fluid Dynamics and Heat Transfer	2024	ASME Journal of Heat and Mass Transfer	146	12				10.1115/1.4066182	American Society of Mechanical Engineers (ASME)	28328450		Scopus
568	Article	Adhikary A.; Borah D.; Mahapatra S.; Saha I.; Sahu N.; Thounaojam V.S.	New realisation of light thermal dark matter with enhanced detection prospects	2024	Journal of Cosmology and Astroparticle Physics	2024	12				10.1088/1475-7516/2024/12/043	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
569	Article	Wadhwa R.; Hegde M.; Zhang H.; Kaul A.; Wang J.; Ishida Y.; Terao K.; Kunnumakkara A.B.; Kaul S.C.	Antistress and Antiaging Potentials of Alpha-Lipoic Acid: Insights from Cell Culture–Based Experiments	2024	Applied Biochemistry and Biotechnology	196	12	8791	8808	17	10.1007/s12010-024-04994-4	Springer	2732289		Scopus
570	Article	Das G.K.; Nayak S.; Bhattacharya S.; Banerjee S.; Paul S.; Bhattacharya S.	Supramolecular interaction between N-methylfulleropyrrolidine and porphyrazine studied in solution	2024	Journal of Porphyrins and Phthalocyanines	28	#####	839	852	13	10.1142/S1088424624500706	World Scientific	10884246		Scopus
571	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
572	Article	He L.; Pan J.; Hee Y.S.; Chen H.; Li L.G.; Panda B.; Chow W.T.	Development of novel concave and convex trowels for higher interlayer strength of 3D printed cement paste	2024	Case Studies in Construction Materials	21					10.1016/j.cscm.2024.e03745	Elsevier Ltd	22145095	All Open Access; Gold Open Access	Scopus
573	Article	Talukdar B.; Sharma C.; Borgohain M.M.	Ga2O3 nanomaterials for gas sensing applications	2024	Interactions	245	1				10.1007/s10751-024-02198-0	Springer Nature	30050731		Scopus
574	Article	Behera P.P.; Mehta S.K.; Agarwal K.; Bera S.; Arun R.K.; Mondal P.K.	Paper-based lateral flow assays: Prediction of methanol content in alcoholic beverages	2024	Physics of Fluids	36	12				10.1063/5.0245824	American Institute of Physics	10706631		Scopus
575	Article	Bhattacharya A.; Chouhan B.S.; Sharma K.; Halawani S.M.; Ahmad A.; Kumar G.	Terahertz binary computing in a coupled toroidal metasurface	2024	Scientific Reports	14	1				10.1038/s41598-024-59069-5	Nature Research	20452322	All Open Access; Gold Open Access	Scopus
576	Article	Linnartz J.F.; Kool A.; Lorenz J.P.; Müller C.S.A.; van Delft M.R.; Singha R.; Schoop L.M.; Hussey N.E.; de Visser A.; Wiedmann S.	Unraveling magneto-elastoresistance in the Dirac nodal-line semi-metal ZrSiSe	2024	npj Quantum Materials	9	1				10.1038/s41535-024-00670-2	Nature Research	23974648	All Open Access; Gold Open Access	Scopus
577	Article	Kumar K.; Patro P.; Raut U.; Yadav V.; Barbora L.; Moholkar V.S.	Elucidating the molecular mechanism of ultrasound-enhanced lipase-catalyzed biodiesel synthesis: a computational study	2024	Biomass Conversion and Biorefinery	14	23	29853	29864	11	10.1007/s13399-023-04742-4	Springer Science and Business Media Deutschland GmbH	21906815		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
578	Article	Baban N.S.; Zhou J.; Elkhoury K.; Bhattacharjee S.; Vijayavenkataraman S.; Gupta N.; Song Y.-A.; Chakrabarty K.; Karri R.	BioTrojans: viscoelastic microvalve-based attacks in flow-based microfluidic biochips and their countermeasures	2024	Scientific Reports	14	1				10.1038/s41598-024-70703-0	Nature Research	20452322	All Open Access; Gold Open Access	Scopus
579	Article	Koch M.K.; Bharadwaj V.; Kubanek A.	Probing the limits for coherent optical control of a mechanically decoupled defect center in hexagonal boron nitride	2024	Communications Materials	5	1				10.1038/s43246-024-00686-y	Springer Nature	26624443	All Open Access; Gold Open Access	Scopus
580	Article	Jha P.K.; Kumar V.; Parida M.K.; Sahoo J.; Gandhiraj P.; Kanagaraj S.	Optimization of Pulsed Electromagnetic Field Parameters for Knee Osteoarthritis Treatment and its Clinical Validations	2024	Journal of Medical and Biological Engineering	44	6	914	930	16	10.1007/s40846-024-00923-2	Springer Science and Business Media Deutschland GmbH	16090985		Scopus
581	Article	Das T.; Das S.; Das D.	In situ fabricated gold nanostars on hydrogel beads as photo-oxidase mimics for rapid and sustainable POCT of uric acid	2024	Journal of Materials Chemistry B	13	3	1079	1088	9	10.1039/d4tb02096k	Royal Society of Chemistry	2050750X		Scopus
582	Article	Neelam; Bopardikar M.; Singh H.	¹ H, ¹⁵ N and ¹³ C 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
583	Article	Nidharia M.; Mane S.; Mankodi T.K.	Ab initio-based two-temperature transport property model for hypersonic non-equilibrium flows	2024	Physics of Fluids	36	12				10.1063/5.0237684	American Institute of Physics	10706631		Scopus
584	Article	Mustafa A.; Faisal S.; Singh J.; Rezki B.; Kumar K.; Moholkar V.S.; Kutlu O.; Aboulmagd A.; Khamees Thabet H.; El-Bahy Z.M.; Der O.; Ussemame Mussagy C.; di Bitonto L.; Ahmad M.; Pastore C.	Converting lignocellulosic biomass into valuable end products for decentralized energy solutions: A comprehensive overview	2024	Sustainable Energy Technologies and Assessments	72					10.1016/j.seta.2024.104065	Elsevier Ltd	22131388		Scopus
585	Article	Shrivastav P.S.; Talpada N.; Sharma A.S.; Sharma V.S.; Ahmed R.; Sudhakar A.A.; Varma R.S.	Synthesis of Pyrrolo [2,1-a]isoquinolines using Cu NPs decorated microcrystalline cellulose in 2-Methyl-THF: A biodegradable heterogeneous nanocatalyst for the sustainable cascade approach	2024	Molecular Catalysis	569					10.1016/j.mcat.2024.114569	Elsevier B.V.	24688231		Scopus
586	Article	Swamy K.A.; Verma S.	Experimental and Numerical Investigation for Optimization of a Hybrid Battery Thermal Management System Based on Phase Change Material and Air Convection	2024	Journal of Thermal Science and Engineering Applications	16	12				10.1115/1.4066691	American Society of Mechanical Engineers (ASME)	19485085		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
587	Article	Bhandari D.; Datta A.; Sil A.	Leptogenesis from a phase transition in a dynamical vacuum	2024	Physical Review D	110	11				10.1103/PhysRevD.110.115008	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
588	Article	Subramaniyan M.K.; Veeman D.; Gurusamy John Kennedy S.; Panda B.; Yang C.	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	9	10.1177/09544089231166497	SAGE Publications Ltd	9544089		Scopus
589	Article	Mondal K.G.; Rakshit S.; Kar B.S.; Saha S.; Jana P.C.; Goswami M.N.; Maji D.; Mirda J.	Structural, optical and dielectric properties of green synthesized Ag2S nanoparticles	2024	Journal of Materials Science: Materials in Electronics	35	36				10.1007/s10854-024-14071-5	Springer	9574522		Scopus
590	Article	Anand A.; Mahata C.; Moholkar V.S.	Biohydrogen synthesis from food waste hydrolysate: Optimization using statistical design of experiments (DoE) and artificial neural network (ANN)	2024	Biomass and Bioenergy	191					10.1016/j.biombioe.2024.107452	Elsevier Ltd	9619534		Scopus
591	Article	Younis S.; Bishnoi A.; Narayan J.; Mio R.	Impact of Contralateral Hemiplegia on Lower Limb Joint Kinematics and Dynamics: A Musculoskeletal Modeling Approach	2024	Biomechanics (Switzerland)	4	4	784	804	20	10.3390/biomechanics4040058	Multidisciplinary Digital Publishing Institute (MDPI)	26737078	All Open Access; Gold Open Access	Scopus
592	Review	Baruah A.; Newar R.; Das S.; Kalita N.; Nath M.; Ghosh P.; Chinnam S.; Sarma H.; Narayan M.	Biomedical applications of graphene-based nanomaterials: recent progress, challenges, and prospects in highly sensitive biosensors	2024	Discover Nano	19	1				10.1186/s11671-024-04032-6	Springer	27319229	All Open Access; Gold Open Access; Green Open Access	Scopus
593	Article	Ramu G.; Sundaramoorthy K.; Singaravelu C.; Prasannavenkadesan V.	A novel hybrid particle damping in boring bar for effective machining and chatter suppression	2024	Sadhana - Academy Proceedings in Engineering Sciences	49	4				10.1007/s12046-024-02625-6	Springer	2562499		Scopus
594	Article	Tat S.A.; Muthukumar P.	Performance assessment of a sand-PCM based hybrid thermal storage for medium-to-high temperature applications	2024	Journal of Energy Storage	103					10.1016/j.est.2024.114225	Elsevier Ltd	2352152X		Scopus
595	Review	Veluchamy A.; Jeyabalan J.; Singh A.; Narayanasamy S.; Verma A.	A review on recent insights of azoreductases mediated dye degradation: A sustainable approach for bioremediation of industrial wastewater	2024	Journal of Water Process Engineering	68					10.1016/j.jwpe.2024.106403	Elsevier Ltd	22147144		Scopus
596	Article	Sinha R.; Mandal T.K.	Effect of NaOH concentration and reaction time on optical properties and particle size of CDs synthesized at room temperature	2024	Journal of Materials Research	39	22	3067	3076	9	10.1557/s43578-024-01448-9	Springer Nature	8842914		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
597	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
598	Article	Kumar S.; Saha A.; Zindani D.	Agro-waste-based polymeric composite laminates for aerospace cabin interior and identification of their optimal configuration	2024	Biomass Conversion and Biorefinery	14	24	31907	31923	16	10.1007/s13399-023-04914-2	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
599	Article	Muzaddadi I.; Murugan A.; Saha S.; Raman N.; Selvaraj F.; Manohar A.; Kulandaisamy A.; Kumar P.; Borah R.; Shellaiiah M.; Ravikumar C.R.; Hussain M.	Availability of π -Cation Radical in the Oxidative Products of Oxidovanadium Porphyrin: Significance for DNA Binding and Antibacterial Activity	2024	Applied Organometallic Chemistry	38	12				10.1002/aoc.7722	John Wiley and Sons Ltd	2682605		Scopus
600	Article	Gupta A.; Bohara V.S.; Chauhan A.S.; Mohapatra A.; Kaur H.; Sharma A.; Chaudhary N.; Kumar S.	Alpha-synuclein expression in neurons modulates Japanese encephalitis virus infection	2024	Journal of Virology	98	12				10.1128/jvi.00418-24	American Society for Microbiology	0022538X		Scopus
601	Article	Tat S.A.; Muthukumar P.	Experimental study on the thermal performance of a high-temperature finned latent heat storage system	2024	Renewable Energy	235					10.1016/j.renene.2024.121315	Elsevier Ltd	9601481		Scopus
602	Article	Dubey S.; Majumder S.K.	Stability analysis of CO2 microbubble for CO2 sequestration and mobility control in enhanced oil recovery	2024	Chemical Engineering Journal	500					10.1016/j.cej.2024.156595	Elsevier B.V.	13858947		Scopus
603	Article	Bhuyan T.; Choudhury K.; Das P.; Sharma S.; Mazumder J.A.; Mohanta Y.K.	Biosynthesis of pH-Responsive Mesoporous Silica Nanoparticles from Cucumber Peels for Targeting 3D Lung Tumor Spheroids	2024	ACS Applied Bio Materials	7	11	7494	7508	14	10.1021/acsabm.4c01092	American Chemical Society	25766422		Scopus
604	Article	Ghosh N.R.; Nandy M.K.	Mass superinflation in the Reissner-Nordström black hole	2024	Nuclear Physics B	1008					10.1016/j.nuclphysb.2024.116712	Elsevier B.V.	5503213	All Open Access; Gold Open Access	Scopus
605	Article	Sulakashna; Barman R.	p -Adic hypergeometric functions and the trace of Frobenius of elliptic curves	2024	International Journal of Number Theory	20	10	2663	2694	31	10.1142/S1793042124501276	World Scientific	17930421	All Open Access; Green Open Access	Scopus
606	Article	Nandi S.; Sahoo S.; Sain R.	An imperative study of the angular observables in $\Lambda b \rightarrow \Lambda c + \rightarrow \Lambda \pi + \ell - \nu \ell$ decay and probing the footprint of new physics	2024	Journal of High Energy Physics	2024	11				10.1007/JHEP11(2024)053	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
607	Article	Panja S.; Mehta S.K.; Kalita J.; Prasad M.K.; Mondal P.K.	Soft plant root structure-media flow interactions: Exploring the adverse effect of lead contamination in North-Eastern Indian rice	2024	Physics of Fluids	36	11				10.1063/5.0237867	American Institute of Physics	10706631		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
608	Article	Rajasekhar R.; Mandal T.K.; Daware G.; Rajesh Y.	Onsite arsenic detection with a low cost portable microvolume kit	2024	Indian Journal of Chemical Technology	31	6	851	859	8	10.56042/ijct.v31i6.11679	National Institute of Science Communication and Policy Research	0971457X	All Open Access; Gold Open Access	Scopus
609	Article	Basumatary M.M.; Wary P.; Maji S.; Kumar B.	Advanced intelligence model for prediction of sediment transport rate and friction factor in alluvial channel	2024	Multiscale and Multidisciplinary Modeling, Experiments and Design	7	6	5915	5931	16	10.1007/s41939-024-00563-8	Springer Science and Business Media B.V.	25208160		Scopus
610	Article	Muzaddadi I.U.; Murugan A.; Hemamalini M.; Tahir M.N.; Saha S.; Bezbaruah B.; Hussain M.F.; Mandal V.K.; Ahmed B.	Insights into oxidovanadium (3,4,5-trimethoxyphenyl) porphyrin: A comprehensive study of synthesis, crystal structure, Hirshfeld surface analysis and computational studies	2024	Journal of Molecular Structure	1315					10.1016/j.molstruc.2024.138764	Elsevier B.V.	222860		Scopus
611	Article	Katare A.; Saha P.	Efficient removal of COD, BOD, oil & grease, and turbidity from oil-field produced water via electrocoagulation treatment	2024	Environmental Science and Pollution Research	31	51	60988	61003	15	10.1007/s11356-024-35294-3	Springer	9441344		Scopus
612	Article	Bhan C.; Golder A.K.	ZnO Nanorods Aligned in a Vertical Configuration for Targeted Electrochemical Detection of Aniline	2024	ACS Applied Bio Materials	7	11	7413	7428	15	10.1021/acsabm.4c01050	American Chemical Society	25766422		Scopus
613	Article	Singh S.B.; Hajare P.; Konwar R.J.; De M.	Physically and chemically modified zeolite templated nitrogenous carbons for enhanced hydrogen adsorption	2024	FlatChem	48					10.1016/j.flatc.2024.100767	Elsevier B.V.	24522627		Scopus
614	Article	Sarkar S.; Ghosh S.S.	Synergistic Effect of Salinomycin With Budesonide on TNBC Regression via EMT Reversal and Autophagy Induction	2024	Journal of Biochemical and Molecular Toxicology	38	11				10.1002/jbt.70045	John Wiley and Sons Inc	10956670		Scopus
615	Article	Rattan B.; Banerjee A.; Dhobale K.V.; Garg A.; Sreedeeep S.; Sahoo L.	Examining the soil bacterial community under the combined influence of water-absorbing polymer and plant subjected to drought stress	2024	Plant and Soil	504	1	763	777	14	10.1007/s11104-024-06658-y	Springer Science and Business Media Deutschland GmbH	0032079X		Scopus
616	Article	Dwary T.; Krishna K.V.	Word-representability of graphs with respect to split recomposition	2024	Discrete Applied Mathematics	357		310	321	11	10.1016/j.dam.2024.06.022	Elsevier B.V.	0166218X	All Open Access; Green Open Access	Scopus
617	Article	Singh H.; Nandy M.K.	Black hole to grey hole metamorphosis in the deep quantum regime	2024	European Physical Journal C	84	11				10.1140/epjc/s10052-024-13636-2	Springer Nature	14346044	All Open Access; Gold Open Access	Scopus
618	Article	Singh G.; Barman R.	Hook length biases in ordinary and t-regular partitions	2024	Journal of Number Theory	264		41	58	17	10.1016/j.jnt.2024.05.001	Academic Press Inc.	0022314X	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
619	Article	Behera P.K.; Lenka S.; Roy M.; Chen F.-R.; Lin W.-Z.; Jan P.-E.; Lin H.-W.; Jou J.-H.; Ammathnadu Sudhakar A.	Unveiling the Yellow Electroluminescence (EQEmax = 5.4%) of an Unsymmetrical Perylene Diester Imide	2024	ACS Applied Optical Materials	2	11	2221	2228	7	10.1021/acsaom.4c00316	American Chemical Society	27719855		Scopus
620	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
621	Article	Sutradhar R.; Dalal D.C.	On existence of traveling wave of an HBV infection dynamics model: a novel approach	2024	European Physical Journal Plus	139	11				10.1140/epjp/s13360-024-05743-6	Springer Science and Business Media Deutschland GmbH	21905444	All Open Access; Green Open Access	Scopus
622	Article	Hota S.; Kumar M.	Unveiling the impact of Leptospira TolC effluxprotein on host tissue adherence, complement evasion, and diagnostic potential	2024	Infection and Immunity	92	11				10.1128/iai.00419-24	American Society for Microbiology	199567		Scopus
623	Article	Murari H.; Shaw S.; Ghosh S.	Strain aided drastic reduction in lattice thermal conductivity and improved thermoelectric properties in Janus MXenes	2024	Journal of Physics Condensed Matter	36	44				10.1088/1361-648X/ad68b1	Institute of Physics	9538984	All Open Access; Green Open Access	Scopus
624	Article	Mondal S.; Roy S.; Sikdar A.; Bodar A.; Paul A.; Mandal B.	Intermolecular Ipso Aromatic Nucleophilic Substitution of Electron-Deficient Aryl Sulfonyl Chlorides	2024	ChemistrySelect	9	42				10.1002/slct.202403634	John Wiley and Sons Inc	23656549	All Open Access; Bronze Open Access	Scopus
625	Article	Sivakumar A.; Mishra P.K.; Hujairat A.A.; Muruganandam P.	Dynamic instabilities and turbulence of merged rotating Bose-Einstein condensates	2024	Physics of Fluids	36	11				10.1063/5.0231764	American Institute of Physics	10706631	All Open Access; Green Open Access	Scopus
626	Article	Roy D.; Chakraborty M.; Pattader P.S.G.; Islam A.K.M.M.; Bandyopadhyay D.	Role of Annealing with Electric Field Toward Improvement of Ferroelectric and Electroactive Properties of PVDF Copolymer and Terpolymer Thin Films	2024	Macromolecular Rapid Communications	45	22				10.1002/marc.202400496	John Wiley and Sons Inc	10221336		Scopus
627	Article	Sakir Hossain S.; 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	2024	Inorganic Chemistry Frontiers	11	1	142	155	13	10.1039/d3qi01890c	Royal Society of Chemistry	20521553		Scopus
628	Article	Pandey A.; Kumar T.; Mondal A.; Bag A.	Optimizing charge transport and band-offset in silicon heterojunction solar cells: impact of TiO2 contact deposition temperature	2024	Journal of Physics D: Applied Physics	57	44				10.1088/1361-6463/ad6999	Institute of Physics	223727		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
629	Article	Borah B.; Verma A.; Kulkarni V.; Saha U.K.	Experimental Exploration of Bioinspired Planar Wingtip Devices for a Flat-Plate Wing in the Low Reynolds Number Regime	2024	Journal of Aerospace Engineering	37	6				10.1061/JAEEEZ.ASENG-5359	American Society of Civil Engineers (ASCE)	8931321		Scopus
630	Article	Patel P.R.; Patel M.J.; Iyer P.K.; Zade S.S.; Patel A.L.	Synthesis and study of donor-acceptor conjugated polymers based on the dithienopyrrolobenzothiadiazole unit via a metal free aldol condensation polymerization strategy and their SCLC hole mobilities	2024	New Journal of Chemistry	48	46	19536	19548	12	10.1039/d4nj03839h	Royal Society of Chemistry	11440546		Scopus
631	Article	Das Adhikari R.; Baishya H.; Patel M.J.; Yadav D.; Iyer P.K.	Bi-Directional Modification to Quench Detrimental Redox Reactions and Minimize Interfacial Energy Offset for NiOX/Perovskite-Based Solar Cells	2024	Small	20	46				10.1002/sml.202404588	John Wiley and Sons Inc	16136810		Scopus
632	Article	Baruah S.; Kumar A.; Peela N.R.	Seed-Assisted in Situ Encapsulation of Ultrasmall Ni-Co Nanoclusters within ZSM-5 Zeolite for Enhanced Alkaline Ethanol Electro-Oxidation Reaction	2024	ACS Applied Nano Materials	7	21	25212	25224	12	10.1021/acsanm.4c05299	American Chemical Society	25740970		Scopus
633	Article	Bansal S.; Natesan S.	An Efficient Fourth-Order Numerical Scheme for Nonlinear Multi-asset Option Pricing Problems	2024	Mediterranean Journal of Mathematics	21	7				10.1007/s00009-024-02740-y	Birkhauser	16605446		Scopus
634	Article	Shreya R.; Fopase R.; Sharma S.; Pandey L.M.	Design of biphasic Fe and Zn doped hydroxyapatite: Novel strategy for combating osteomyelitis infections	2024	Ceramics International	50	21	42607	42618	11	10.1016/j.ceramint.2024.08.104	Elsevier Ltd	2728842		Scopus
635	Article	Ekka J.P.; Muthukumar P.	Exergy efficiency and sustainability indicators of forced convection mixed mode solar dryer system for drying process	2024	Renewable Energy	234					10.1016/j.renene.2024.121256	Elsevier Ltd	9601481		Scopus
636	Article	Barman P.; Misra R.; Pal N.; Sarkar S.; Bhabak K.P.	Synthetic Benzylic Diselenides and Disulfides: Potential Anticancer Activities via Modulation of the ROS-Dependent Akt/ β -Catenin Signaling Pathway	2024	ChemMedChem	19	22	e202400358			10.1002/cmdc.202400358		18607187		Scopus
637	Article	Saha S.; Bhattacharyya H.; Dolai S.; Samantaray S.; Verma K.; Punniyamurthy T.	Ru-Catalyzed Redox-Neutral Coupling of N-Chlorobenzamides with Unsymmetrical Alkynes in Water	2024	Journal of Organic Chemistry	89	22	16850	16864	14	10.1021/acs.joc.4c02234	American Chemical Society	223263		Scopus
638	Article	Halder S.; Das T.; Kushwaha R.; Misra A.K.; Jana K.; Das D.	Targeted and precise drug delivery using a glutathione-responsive ultra-short peptide-based injectable hydrogel as a breast cancer cure	2024	Materials Horizons	12	3	987	1001	14	10.1039/d4mh00981a	Royal Society of Chemistry	20516347		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
639	Article	Sahoo A.; Paul T.; Basak S.; Punniyamurthy T.	Palladium catalyzed C(sp3)-H alkylation of 8-methylquinolines with aziridines: access to functionalized γ-quinolinylpropylamines	2024	Chemical Communications	60	99	14818	14821	3	10.1039/d4cc05275g	Royal Society of Chemistry	13597345		Scopus
640	Article	Patel P.K.; Pandey L.M.; Uppaluri R.V.S.	Cyclic Adsorption and Desorption Characteristics of Citric Acid-chitosan Variant Resins for Pb, Fe, and Zn Removal from Simulated Mining and Agricultural Wastewater System	2024	Journal of Polymers and the Environment	32	11	5750	5770	20	10.1007/s10924-024-03343-0	Springer	15662543		Scopus
641	Article	Mohapatra A.K.; Pradhan B.	Effect of sodium gluconate addition on setting, hardening, and microstructure behaviour of hybrid alkaline mortar	2024	Construction and Building Materials	451					10.1016/j.conbuildmat.2024.138782	Elsevier Ltd	9500618		Scopus
642	Article	Kapfo A.; Datta S.; Dandapat S.; Bora P.K.	A wavelet subband based LSTM model for 12-lead ECG synthesis from reduced lead set	2024	Biomedical Engineering Letters	14	6	1385	1395	10	10.1007/s13534-024-00412-0	Springer Verlag	20939868		Scopus
643	Review	Thakur A.K.; Hazra S.K.; Saleque A.M.; Bhattarai S.; Hwang J.-Y.; Ahamed M.S.	Toward Sustainable Water Solutions: A Review of Nanomaterials for Solar-Driven Water Harvesting	2024	ACS ES and T Water	4	11	4741	4757	16	10.1021/acsestwater.4c00620	American Chemical Society	26900637	All Open Access; Hybrid Gold Open Access	Scopus
644	Article	Wani K.M.; Uppaluri R.V.S.	Continuous and pulsed ultrasound-assisted extraction of pectin from pomelo fruit peel using citric acid	2024	Biomass Conversion and Biorefinery	14	22	28603	28618	15	10.1007/s13399-022-03513-x	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
645	Article	Purwar A.; Mal R.; Pandit S.; Ray S.	Supervisory control strategy for dual battery assisted solar water pumping using a 3-stage interleaved boost converter	2024	Journal of Energy Storage	101					10.1016/j.est.2024.113929	Elsevier Ltd	2352152X		Scopus
646	Article	Dey B.; Narzary R.; Ravi S.; Srivastava S.K.	Influence of Al doping on crystal structure, magnetic and optical properties of TiO2 compound	2024	Journal of Physics and Chemistry of Solids	194					10.1016/j.jpcs.2024.112225	Elsevier Ltd	223697		Scopus
647	Article	Sahoo A.; Das P.K.; Veeranki V.D.; Patra S.	Production of recombinant human insulin from a promising Pseudomonas fluorescens cell factory and its kinetic modeling	2024	International Journal of Biological Macromolecules	280					10.1016/j.ijbiomac.2024.135742	Elsevier B.V.	1418130		Scopus
648	Article	Patel B.M.; Narayan J.; Dwivedy S.K.	Manoeuvring planar snake robot in uncertain underwater condition using adaptive neural network sliding mode control	2024	International Journal of Dynamics and Control	12	11	4138	4156	18	10.1007/s40435-024-01490-9	Springer Science and Business Media Deutschland GmbH	2195268X		Scopus
649	Article	Bogdanova E.; Liu M.; Hodapp P.; Borbora A.; Wenzel W.; Bräse S.; Jung A.; Dong Z.; Levkin P.A.; Manna U.; Hashem T.; Wöll C.	Functionalization of monolithic MOF thin films with hydrocarbon chains to achieve superhydrophobic surfaces with tunable water adhesion strength	2024	Materials Horizons	12	4	1274	1281	7	10.1039/d4mh00899e	Royal Society of Chemistry	20516347		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
650	Article	Dash S.B.; Choudhary R.; Kumar A.; Sharma A.	Characterization of Asphalt Filler Mastics with Industrial By-Products as Fillers under the Coupled Effect of Aging and Moisture	2024	Transportation Research Record	2678	11	187	202	15	10.1177/03611981241240763	SAGE Publications Ltd	3611981		Scopus
651	Article	Sulakashna; Barman R.	Number of Fq-points on diagonal hypersurfaces and hypergeometric function	2024	International Journal of Number Theory	20	10	2575	2589	14	10.1142/S1793042124501239	World Scientific	17930421		Scopus
652	Review	Sarkar S.; Hazra S.; Patra S.; Gogoi M.	Biosensors for cancer detection: A review	2024	TrAC - Trends in Analytical Chemistry	180					10.1016/j.trac.2024.117978	Elsevier B.V.	1659936		Scopus
653	Article	Das B.; Robi P.S.; Mahanta P.	Data-driven models for the prediction of H2 generation through chemical reaction and performance evaluation of on-board hydrogen fuelled sintering tube furnace	2024	Renewable Energy	235					10.1016/j.renene.2024.121324	Elsevier Ltd	9601481		Scopus
654	Article	Ghosh S.; Laha P.; Mir N.U.D.; Das P.; Cha P.-R.; Biswas S.	Two Sustainable Pathways of MOF-Catalyzed Room Temperature Chemical Fixation of CO2 inside Alkynes under Atmospheric Pressure	2024	Inorganic Chemistry	63	45	21450	21461	11	10.1021/acs.inorgchem.4c03431	American Chemical Society	201669		Scopus
655	Article	Chandrasekar R.; Prakash P.; Ghosh D.; Narayanasamy S.	Heteroatom doped biochar-aluminosilicate composite as a green alternative for the removal of hazardous dyes: Functional characterization and modeling studies	2024	Environmental Research	260					10.1016/j.envres.2024.119579	Academic Press Inc.	139351		Scopus
656	Article	Rajeev Gandhi B.G.; Bhattacharjya R.K.	A semi-probabilistic Bayesian method to identify the number and location of potential sources in 3D unconfined aquifer using limited observed concentration	2024	Journal of Contaminant Hydrology	267					10.1016/j.jconhyd.2024.104447	Elsevier B.V.	1697722		Scopus
657	Article	Konatham R.S.; Chele R.; Voruganti H.K.; Gautam S.S.	Multi-objective shape optimization of fin using IGA and NSGA-II	2024	Journal of the Brazilian Society of Mechanical Sciences and Engineering	46	11				10.1007/s40430-024-05230-0	Springer Science and Business Media Deutschland GmbH	16785878		Scopus
658	Article	Ganesan S.P.; Bordoloi S.; Cai W.; Garg A.; Sekharan S.; Sahoo L.	Effect of soil type on tipping point hydrological requirements for Axonopus compressus grass under extreme drought stress	2024	Science of the Total Environment	953					10.1016/j.scitotenv.2024.175928	Elsevier B.V.	489697		Scopus
659	Article	Shit A.; Bora S.N.	Fractional Model for Blood Flow in a Stenosed Artery Under MHD Effect Through a Porous Medium	2024	International Journal of Applied Mechanics	16	9				10.1142/S1758825124501011	World Scientific	17588251		Scopus
660	Article	Barre S.; Dixit A.; Sarma A.K.	Estimation of glacier-stored freshwater volume present in major tributaries of the Brahmaputra basin	2024	Environmental Monitoring and Assessment	196	11				10.1007/s10661-024-13283-w	Springer Science and Business Media Deutschland GmbH	1676369		Scopus
661	Article	Kumar P.V.; Birru A.K.; Muthu N.; Kaur A.	Enhancing sports mouthguards with PLA + and PC: stress reduction, energy absorption, and topology optimization	2024	Clinical Oral Investigations	28	11				10.1007/s00784-024-05997-5	Springer Science and Business Media Deutschland GmbH	14326981		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
662	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	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
663	Article	Saikia S.; Anagha V.; Khwairakpam M.; Kalamdhad A.S.	Assessment of activated carbon derived from municipal solid waste char as a precursor for mitigation of heavy metals	2024	Biomass and Bioenergy	190					10.1016/j.biombioe.2024.107385	Elsevier Ltd	9619534		Scopus
664	Article	Kandpal S.; Bora S.N.	Non-inertia wave model approximation with stage-discharge relationship imposed at the downstream end and a space- and time-dependent lateral inflow	2024	Physics of Fluids	36	11				10.1063/5.0238656	American Institute of Physics	10706631		Scopus
665	Article	Verma S.; Nath J.; Baruah J.B.	Isostructural Coordination Polymers of Zn(II) or Co(II) from Assembling of Cationic and Anionic Parts and Their Utilities	2024	Crystal Growth and Design	24	22	9709	9715	6	10.1021/acs.cgd.4c01215	American Chemical Society	15287483		Scopus
666	Erratum	Ahmed J.; Goyal A.	Corrigendum to “One-pot biocatalysis of potato rhamnogalacturonan and the role of its deacetylation in efficient inhibition of colon cancer cells and hydrogel mediated colon-targeted drug delivery” [Int. J. Biol. Macromol. 281 (Part 1) (2024) 136319](S0141813024071289)(10.1016/j.ijbiomac.2024.136319)	2024	International Journal of Biological Macromolecules	281					10.1016/j.ijbiomac.2024.136666	Elsevier B.V.	1418130		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
667	Article	Roy M.; Mallick I.; Mahapatra M.; Srimani D.	Substituent-Dependent, Switchable Synthesis of Nonaromatic and Aromatic Heterocyclic Sulfones Using Visible Light	2024	Organic Letters	26	43	9357	9362	5	10.1021/acs.orglett.4c03587	American Chemical Society	15237060		Scopus
668	Article	Pandey P.; Baisware R.P.; Kumar V.; Qureshi M.	Stimuli-Triggered Diffusion Dynamics in Single-Junction Electrode for Enhanced Supercapacitor Performance: Insights into the Carrier Relaxation and Charge Transfer Kinetics	2024	Journal of Physical Chemistry Letters	15	46	11476	11484	8	10.1021/acs.jpcllett.4c03005	American Chemical Society	19487185		Scopus
669	Article	Nongspung D.W.; Panda A.N.	An ab initio study on the photoisomerization in 2-styrylpyridine	2024	Physical Chemistry Chemical Physics	26	47	29604	29616	12	10.1039/d4cp04082a	Royal Society of Chemistry	14639076		Scopus
670	Article	Das S.; Narayanan R.G.	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	26	10.1007/s11665-023-08790-9	Springer	10599495		Scopus
671	Article	Ghosh D.; Majhi B.R.	Influence of thermal bath on Pancharatnam-Berry phase in an accelerated frame	2024	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	858					10.1016/j.physletb.2024.139015	Elsevier B.V.	3702693	All Open Access; Gold Open Access; Green Open Access	Scopus
672	Article	Singh H.; Nandy M.K.	Do regular quantum black holes exist?	2024	EPL	148	3				10.1209/0295-5075/ad89f5	Institute of Physics	2955075		Scopus
673	Article	Brahma R.	Is Bathou Hindu? Consolidated Hinduism and assertions of a traditional religion among the Boros of Assam	2024	Modern Asian Studies	58	6	1713	1736	23	10.1017/S0026749X24000349	Cambridge University Press	0026749X		Scopus
674	Article	Choudhury K.; Sen P.; Ghosh S.S.	SAHA potentiates the activity of repurposed drug promethazine loaded PLGA nanoparticles in triple-negative breast cancer cells	2024	Nanotechnology	35	46				10.1088/1361-6528/ad6fa6	Institute of Physics	9574484		Scopus
675	Article	Reddy R.S.; Panda S.	A reduced-order finite element formulation for the geometrically nonlinear dynamic analysis of viscoelastic structures based on the fractional-order derivative constitutive relation	2024	Archive of Applied Mechanics	94	11	3489	3519	30	10.1007/s00419-024-02680-9	Springer Science and Business Media Deutschland GmbH	9391533		Scopus
676	Article	Gautam N.; Das G.	Adsorption of antiviral and antibiotics by recyclable biochar derived from Dillenia indica: Impact of pyrolysis temperature and duration	2024	Colloids and Surfaces A: Physicochemical and Engineering Aspects	703					10.1016/j.colsurfa.2024.135265	Elsevier B.V.	9277757		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
677	Article	Narayan P.; Kar S.; Jha K.N.	In-Depth Analysis of Risks and Their Impacts on Solar Power Project Development: Public and Private Contractors' Perspective	2024	Journal of Legal Affairs and Dispute Resolution in Engineering and Construction	16	4				10.1061/JLADAH.LADR-1174	American Society of Civil Engineers (ASCE)	19434162		Scopus
678	Article	Das D.; Kakoty S.K.	Effect of lubricant inertia on textured journal bearing implementing mass conserving (JFO) boundary conditions	2024	Industrial Lubrication and Tribology	76	10	1186	1196	10	10.1108/ILT-07-2024-0276	Emerald Publishing	368792		Scopus
679	Article	Bora K.; Sarma M.; Kanaujia S.P.; Dubey V.K.	Development of novel dual-target drugs against visceral leishmaniasis and combinational study with miltefosine	2024	Free Radical Biology and Medicine	225		275	285	10	10.1016/j.freeradbiomed.2024.10.257	Elsevier Inc.	8915849		Scopus
680	Article	Velpula V.K.; Sharma D.; Sharma L.D.; Roy A.; Bhuyan M.K.; Alfarhood S.; Safran M.	Glaucoma detection with explainable AI using convolutional neural networks based feature extraction and machine learning classifiers	2024	IET Image Processing	18	13	3827	3853	26	10.1049/ipr.2.13211	John Wiley and Sons Inc	17519659	All Open Access; Gold Open Access	Scopus
681	Article	Bera P.; Biswas S.	Nanoscale Zr(IV) MOF-Embedded Chitosan on Paper Composite for Aqueous Phase Detection of the Herbicide Metamitron and the Food Colorant Tartrazine	2024	ACS Applied Nano Materials	7	22	25369	25379	10	10.1021/acsanm.4c04259	American Chemical Society	25740970		Scopus
682	Article	Borah B.; Kaushik H.B.	Briefing: The 18th World Conference on Earthquake Engineering, Milan, Italy	2024	Proceedings of the Institution of Civil Engineers: Civil Engineering	178	1	16	18	2	10.1680/jcien.24.00751	ICE Publishing	0965089X		Scopus
683	Article	Ahmed J.; Goyal A.	One-pot biocatalysis of potato rhamnogalacturonan and the role of its deacetylation in efficient inhibition of colon cancer cells and hydrogel mediated colon-targeted drug delivery	2024	International Journal of Biological Macromolecules	281					10.1016/j.ijbiomac.2024.136319	Elsevier B.V.	1418130		Scopus
684	Article	Jahedi S.; Sarkar A.	Exploring optimal sensitivity of lepton flavor violating effective couplings at the e+e- colliders	2024	Physical Review D	110	9				10.1103/PhysRevD.110.095021	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
685	Article	Patra S.; Majhi B.R.; Das S.	General relativistic viscous accretion flow around Konoplya-Zhidenko black hole	2024	Journal of High Energy Astrophysics	44		371	380	9	10.1016/j.jheap.2024.10.012	Elsevier B.V.	22144048	All Open Access; Green Open Access	Scopus
686	Article	Vardani J.; Sain R.	Model-independent analysis of new physics effects in B→K2*(1430)μ+μ- decay	2024	European Physical Journal C	84	11				10.1140/epjc/s10052-024-13508-9	Springer Nature	14346044	All Open Access; Gold Open Access	Scopus
687	Article	Pegu O.A.; Das G.	Thermally Bisignate Anion Responsive Supramolecular Gel and In Situ Generation of a Conductive Hybrid-Gel Nanocomposite	2024	Langmuir	40	45	24095	24105	10	10.1021/acs.langmuir.4c03470	American Chemical Society	7437463		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
688	Article	Dhami S.; Khatun M.N.; Sengupta C.; Iyer P.K.; Pandey R.	Ultrafast Spectroscopic Studies on Excited State Dynamics of Different Alkyl Substituted Perylene Monoimides in Solution and Thin Films	2024	ChemistrySelect	9	42				10.1002/slct.202400712	John Wiley and Sons Inc	23656549		Scopus
689	Article	Mitra A.; Roy R.; Paul S.	Modulating the Self-Assembly of a Camptothecin Prodrug with Paclitaxel for Anticancer Combination Therapy: A Molecular Dynamics Approach	2024	Journal of Physical Chemistry B	128	44	10799	10812	13	10.1021/acs.jpcb.4c04798	American Chemical Society	15206106		Scopus
690	Article	Nath J.; Baruah J.B.	Positional isomers of (E)-2-(anthracen-9-ylmethylene)-N-(aryl)hydrazinecarbothioamide, zinc complexes and polymorphic solvates	2024	CrystEngComm	27	1	46	54	8	10.1039/d4ce00992d	Royal Society of Chemistry	14668033		Scopus
691	Article	Bhattacharyya H.P.; Sarma M.	MaxKinEff: A Collision Theory-Based Approach for Analyzing Turnover Frequency and Turnover Number in Catalytic Processes	2024	Chemistry - An Asian Journal	19	22				10.1002/asia.202400674	John Wiley and Sons Ltd	18614728	All Open Access; Bronze Open Access	Scopus
692	Article	Singh D.; Mosahari P.V.; Sharma P.; Neog K.; Bora U.	Comparative genomic and phylogenetic analysis of the complete mitochondrial genome of Cricula trifenestrata (Helfer) among lepidopteran insects	2024	Genome	67	11	424	439	15	10.1139/gen-2023-0037	Canadian Science Publishing	8312796		Scopus
693	Article	Sharma R.; Mondal A.; Maji S.; Srimani D.	Unveiling the Potential of SNS-Ni Complex for Establishing C-N Bonds: An Approach toward Chemoselectivity	2024	Organometallics	43	21	2697	2702	5	10.1021/acs.organomet.4c00328	American Chemical Society	2767333		Scopus
694	Erratum	Acharyya R.; Dey A.	Erratum to: Application of MGGP in Predicting Bearing Capacity of a Strip Footing Resting on the Crest of a Marginal Soil Hillslope (KSCE Journal of Civil Engineering, (2024), 28, 10, (4244-4257), 10.1007/s12205-024-1217-y)	2024	KSCE Journal of Civil Engineering	28	11	5410			10.1007/s12205-024-7217-0	Korean Society of Civil Engineers	12267988	All Open Access; Hybrid Gold Open Access	Scopus
695	Article	Muradymov R.; Paul N.; Kumar Das N.; Banerjee T.; Shishov A.	Quasi-hydrophobic deep eutectic solvents for simultaneous automated determination of polar and non-polar dyes in food products	2024	Microchemical Journal	206					10.1016/j.microc.2024.111510	Elsevier Inc.	0026265X		Scopus
696	Article	Dasgupta P.; Vinil K.; Kanaujia S.P.	Evolutionary trends indicate a coherent organization of sap operons	2024	Research in Microbiology	175	8				10.1016/j.resmic.2024.104228	Elsevier Masson s.r.l.	9232508		Scopus
697	Article	Pathak A.; Khare P.; Kulkarni V.	Impact of energy deposition as active flow control on scramjet inlet performance using Immersed Boundary Method	2024	Acta Astronautica	224		291	308	17	10.1016/j.actaastro.2024.08.023	Elsevier Ltd	945765		Scopus
698	Article	Mohan M.; Talukdar P.K.; Saha U.K.	Influence of Reynolds Number on Aerodynamic and Performance Coefficients of a Novel Parabolic-Bladed Savonius Wind Rotor	2024	Journal of Energy Resources Technology	146	11				10.1115/1.4065954	American Society of Mechanical Engineers (ASME)	1950738		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
699	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
700	Article	Srivastava A.; Bharat T.V.	Theoretical framework for large-strain shear resistance of Kaolin clays under chemo-mechanical loadings	2024	Canadian Geotechnical Journal	61	11	2376	2397	21	10.1139/cgj-2023-0327	Canadian Science Publishing	83674		Scopus
701	Article	Raj R.; Kumar A.; Jeng J.-Y.	Additive manufacturing of biphasic architected structure and analysis of its mechanical and functional response	2024	International Journal of Advanced Manufacturing Technology	135	#####	2065	2085	20	10.1007/s00170-024-14587-4	Springer Science and Business Media Deutschland GmbH	2683768		Scopus
702	Article	Misra R.; Barman P.; Bhabak K.P.	Esterase-Responsive Fluorogenic Prodrugs of Aldose Reductase Inhibitor Epalrestat: An Innovative Strategy toward Enhanced Anticancer Activity	2024	ACS Applied Bio Materials	7	10	6542	6553	11	10.1021/acsabm.4c00719	American Chemical Society	25766422		Scopus
703	Review	Vishnu K.N.; Gupta C.N.	Systematic review of experimental paradigms and deep neural networks for electroencephalography-based cognitive workload detection	2024	Progress in Biomedical Engineering	6	4				10.1088/2516-1091/ad8530	Institute of Physics	25161091	All Open Access; Green Open Access	Scopus
704	Article	Mohan S.; Negi M.S.	SiO2-capped ZnO quantum dot based highly sensitive optical fiber humidity sensor with potential applications in human breath monitoring and voice print recognition	2024	Applied Optics	63	30	7955	7963	8	10.1364/AO.533760	Optica Publishing Group (formerly OSA)	1559128X		Scopus
705	Article	Venu Gopala Kumari S.; Pakshirajan K.; Pugazhenth G.	Key insights into mechanism and kinetics of biodegradation of poly (3-hydroxybutyrate)-based nanocomposite films in natural soil and river water environments	2024	Bioresource Technology	409					10.1016/j.biortech.2024.131238	Elsevier Ltd	9608524		Scopus
706	Article	Roy K.; Basu S.	Single and multifrequency driving protocols in a Rashba nanowire proximitized to an s-wave superconductor	2024	Physical Review B	110	16				10.1103/PhysRevB.110.165403	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
707	Article	Sen P.; Ghosh S.S.	Targeting Cross-Talks of Notch and VEGF to Tweak the EMT and EPT Dynamics in Triple Negative Breast Cancer Cells	2024	Advanced Therapeutics	7	10				10.1002/adtp.202400059	John Wiley and Sons Inc	23663987		Scopus
708	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	26	10.1007/s11075-023-01714-7	Springer	10171398		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
709	Article	Saha S.; Kanaujia S.P.	Structural and functional characterization of archaeal DIMIT1 unveils distinct protein dynamics essential for efficient catalysis	2024	Structure	32	10	1760	1.8E+10		10.1016/j.str.2024.07.013	Cell Press	9692126		Scopus
710	Article	Bhowmik B.K.; Rohith K.M.; Duhan P.; Kumar G.	Excitation of high-quality quasi-BIC toroidal mode in a lattice perturbed terahertz metasurface	2024	Applied Physics Letters	125	16				10.1063/5.0228324	American Institute of Physics	36951		Scopus
711	Article	Hajra A.; Chattopadhyay A.	Chemically Reversible Translational Moiré Superlattice Formations in the Two-Dimensional Films of the Zinc Phthalate Complex	2024	Journal of Physical Chemistry Letters	15	39	10046	10053	7	10.1021/acs.jpcllett.4c02284	American Chemical Society	19487185	All Open Access; Green Open Access	Scopus
712	Article	Gangwar M.S.; 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	9	10.1007/s11468-024-02191-x	Springer	15571955		Scopus
713	Article	Shafeeque M.; Nandy M.K.	Stability of charged scalar hair on Reissner–Nordström black holes	2024	General Relativity and Gravitation	56	10				10.1007/s10714-024-03311-y	Springer	17701		Scopus
714	Erratum	Singh Y.R.; Thakur A.; Fontes C.M.G.A.; Goyal A.	Corrigendum to “A novel thermophilic recombinant obligate xylobiohydrolase (AcGH30A) from Acetivibrio clariflavus orchestrates the deconstruction of xylan polysaccharides” [Carbohydrate Polymers 340 (2024) 122295] (Carbohydrate Polymers (2024) 340, (S0144861724005216), (10.1016/j.carbpol.2024.122295))	2024	Carbohydrate Polymers	342					10.1016/j.carbpol.2024.122398	Elsevier Ltd	1448617		Scopus
715	Article	Mitra A.; Pandijothi V.; Paul S.	Computational insight into the peptide-based inhibition of a-cobratoxin	2024	Physical Chemistry Chemical Physics	26	44	28274	28287	13	10.1039/d4cp03408b	Royal Society of Chemistry	14639076		Scopus
716	Article	Saha S.; Kanaujia S.P.	Decoding Substrate Selectivity of an Archaeal RlmCD-like Methyltransferase Through Its Salient Traits	2024	Biochemistry	63	19	2477	2492	15	10.1021/acs.biochem.4c00401	American Chemical Society	62960		Scopus
717	Article	Singh N.H.; Moirangthem R.S.; Meitei S.R.; Singh N.M.	Fabrication and characterization of zinc oxide nanorods-modified electrodes using nanoimprint lithography for electrochemical sensing of heavy metal ions	2024	Thin Solid Films	807					10.1016/j.tsf.2024.140550	Elsevier B.V.	406090		Scopus
718	Article	Sarmah M.P.; Sarma M.	Mechanistic insights into the electron attachment process to guanosine in the presence of arginine	2024	Physical Chemistry Chemical Physics	26	44	27955	27963	8	10.1039/d4cp02558j	Royal Society of Chemistry	14639076		Scopus
719	Article	Baishya H.; Patel M.J.; Das Adhikari R.; Yadav D.; Iyer P.K.	Minimizing defect states through multidentate coordination and morphology regulation for enhancing the performance of inverted perovskite solar cells	2024	Nanoscale	16	47	21804	21816	12	10.1039/d4nr03140g	Royal Society of Chemistry	20403364		Scopus
720	Article	Tripathi B.K.; Kumar I.; Kumar S.; Singh A.	Deep Learning–Based Production Forecasting and Data Assimilation in Unconventional Reservoir	2024	SPE Journal	29	10	5189	5206	17	10.2118/223074-PA	Society of Petroleum Engineers (SPE)	1086055X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
721	Article	Barman J.; Verma S.; Ravi S.	Exploring the structural, magnetic, and dielectric properties of Fe and Y substituted NiCr2O4	2024	Journal of Alloys and Compounds	1003					10.1016/j.jallcom.2024.175680	Elsevier Ltd	9258388		Scopus
722	Article	Yhobu Z.; Patel M.J.; Małecki J.G.; Nagaraju D.H.; Budagumpi S.	Non-covalent Immobilization of Metal N-Heterocyclic Carbene Complexes onto Carbon Cloth as Bifunctional Electrodes for Overall Water Splitting in Alkaline Medium	2024	ACS Applied Energy Materials	7	20	9500	9511	11	10.1021/acsaem.4c02127	American Chemical Society	25740962		Scopus
723	Article	Patra A.; Ghosh S.S.; Saini G.K.	Exploring potential molecular targets and therapeutic efficacy of beauvericin in triple-negative breast cancer cells	2024	Computational Biology and Chemistry	112					10.1016/j.compbiolchem.2024.108154	Elsevier Ltd	14769271		Scopus
724	Article	Kumar D.; Mondal P.K.	Mixing of inelastic non-Newtonian fluids with inlet swirl	2024	Journal of Fluid Mechanics	997					10.1017/jfm.2024.792	Cambridge University Press	221120		Scopus
725	Review	de Visser S.P.; Wong H.P.H.; Zhang Y.; Yadav R.; Sastri C.V.	Tutorial Review on the Set-Up and Running of Quantum Mechanical Cluster Models for Enzymatic Reaction Mechanisms	2024	Chemistry - A European Journal	30	60				10.1002/chem.202402468	John Wiley and Sons Inc	9476539	All Open Access; Hybrid Gold Open Access	Scopus
726	Review	Bhattacharjee P.; Mishra H.; Iyer P.K.; Nemade H.B.	Acoustic interactions with semiconductors: progression from inorganic to organic material system	2024	Journal of Physics D: Applied Physics	57	42				10.1088/1361-6463/ad5849	Institute of Physics	223727		Scopus
727	Article	Saha A.; Kulkarni N.D.; Kumar M.; Kumari P.	The structural, dielectric, and dynamic properties of NaOH-treated Bambusa tulda reinforced biocomposites—an experimental investigation	2024	Biomass Conversion and Biorefinery	14	20	26247	26266	19	10.1007/s13399-023-04709-5	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
728	Article	Dey S.; Bhat A.; Janani G.; Shandilya V.; Gupta R.; Mandal B.B.	Microfluidic human physiomimetic liver model as a screening platform for drug induced liver injury	2024	Biomaterials	310					10.1016/j.biomaterials.2024.122627	Elsevier Ltd	1429612		Scopus
729	Article	Saidani O.; Yousfi A.; Samajdar D.P.; Xu X.; Biniyam Zemene T.; Bhattacharai S.; Hossain M.K.; Sahoo G.S.	Revealing the secrets of high performance lead-free CsSnCl3 based perovskite solar cell: A dive into DFT and SCAPS-1D numerical insights	2024	Solar Energy Materials and Solar Cells	277					10.1016/j.solmat.2024.113122	Elsevier B.V.	9270248		Scopus
730	Article	Saha S.; Bora S.N.; Sulisz W.	Water wave interaction with a bottom-mounted wind turbine fitted with multiple porous rings	2024	Ocean Engineering	311					10.1016/j.oceaneng.2024.118850	Elsevier Ltd	298018		Scopus
731	Article	Paul P.; Murthy K.S.R.K.; Chakraborty D.	Experimental determination of mode I notch stress intensity factors using valid strain gage locations	2024	Theoretical and Applied Fracture Mechanics	133					10.1016/j.tafmec.2024.104573	Elsevier B.V.	1678442		Scopus
732	Article	Ray A.; Alagarsamy P.	Exploring the Origin of Exchange Bias in Fe3O4 Films and Its Correlation with Film Thickness and Cooling Field	2024	Journal of Superconductivity and Novel Magnetism	37	#####	1651	1660	9	10.1007/s10948-024-06803-9	Springer	15571939		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
733	Article	Bordoloi S.; Gupta C.N.; Hazarika S.M.	Understanding effects of observing affordance-driven action during motor imagery through EEG analysis	2024	Experimental Brain Research	242	10	2473	2485	12	10.1007/s00221-024-06912-w	Springer Science and Business Media Deutschland GmbH	144819		Scopus
734	Article	Husam S.; Laishram B.; Johari S.	Determining the Extent of Attributes Contributing to Gender Inclusion of Workers in the Construction Industry	2024	Journal of Construction Engineering and Management	150	10				10.1061/JCEMD4.COEN G-14874	American Society of Civil Engineers (ASCE)	7339364		Scopus
735	Article	Baruah K.N.; Singha S.; Mukherjee P.; Uppaluri R.V.S.	Optimization of the enzymatic extraction of catechins from Assam tea leaves	2024	Biomass Conversion and Biorefinery	14	19	24407	24425	18	10.1007/s13399-023-04684-x	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
736	Article	Prasad V.J.S.N.; Mayanglambam F.; Rani P.N.V.V.L.P.; Dobbidi P.	Silver-doped ZrO2-TiO2 nanocomposite coatings on 316L stainless steel for enhanced corrosion resistance and bio applications	2024	Surface and Coatings Technology	493					10.1016/j.surfcoat.2024.131203	Elsevier B.V.	2578972		Scopus
737	Article	Pandit S.K.; Das G.	Fluorescent detection of tryptophan in physiological media: Potential applications in environmental samples and living systems	2024	Sensors and Actuators B: Chemical	417					10.1016/j.snb.2024.136131	Elsevier B.V.	9254005		Scopus
738	Article	Zehra N.; Malik A.H.; Parui R.; Hussain S.; Krishnan Iyer P.	A Conjugated Polymer-Based Portable Smartphone Platform for Sensitive and Point-Of-Care Detection of Monoamine Neurotransmitter	2024	Chemistry - An Asian Journal	19	20				10.1002/asia.202400544	John Wiley and Sons Ltd	18614728		Scopus
739	Article	Parmita P.; Bhattacharjya R.K.	Estimation of Total Drainable Water Storage Using GRACE in the Brahmaputra River Basin, India	2024	Journal of Hydrologic Engineering	29	5				10.1061/JHYEFF.HEEN G-6136	American Society of Civil Engineers (ASCE)	10840699		Scopus
740	Article	Alom S.E.; Swaminathan K.; Nuzelu V.; Singh A.; de Rocquigny H.; Swaminathan R.	Label-Free Tracking of Hepatitis B Virus Core Protein Capsid Assembly in Real-Time Using Protein Charge Transfer Spectra	2024	Biomacromolecules	25	10	6425	6438	13	10.1021/acs.biomac.4c00521	American Chemical Society	15257797		Scopus
741	Article	Sarkar P.; Manamel L.T.; Saha P.; Jana C.; Sarmah A.; Mohanan K.U.; Das B.C.; Mukherjee C.	A triradical-containing trinuclear Pd(ii) complex: spin-polarized electronic transmission, analog resistive switching and neuromorphic advancements	2024	Materials Horizons	12	1	246	257	11	10.1039/d4mh00928b	Royal Society of Chemistry	20516347	All Open Access; Hybrid Gold Open Access	Scopus
742	Article	Sakthivel A.; Ramasamy S.; Kheria S.; Pugazhenthii G.; Pakshirajan K.	Self-regenerable oxygen system using microalgae-bacterial consortium for ammonium removal from wastewater	2024	Chemical Engineering Journal	498					10.1016/j.cej.2024.155200	Elsevier B.V.	13858947		Scopus
743	Article	Nambiar S.S.; Ghosh S.S.; Saini G.K.	Gliotoxin triggers cell death through multifaceted targeting of cancer-inducing genes in breast cancer therapy	2024	Computational Biology and Chemistry	112					10.1016/j.compbiolchem.2024.108170	Elsevier Ltd	14769271		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
744	Article	Yashavanth P.R.; Maiti S.K.	Recovery and characterization of polyhydroxybutyrate from Chlorogloea fritschii TISTR 8527 using halogenated and green solvents	2024	Journal of Applied Phycology	36	5	2593	2606	13	10.1007/s10811-024-03288-w	Springer Science and Business Media B.V.	9218971		Scopus
745	Article	Keot N.; Sarma M.	Unraveling the Stability and Magnetic Properties of Bis-Hydrated Mn(II) Complexes via Tailored Ligand Design	2024	Journal of Physical Chemistry A	128	39	8346	8359	13	10.1021/acs.jpca.4c03053	American Chemical Society	10895639		Scopus
746	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
747	Article	Paik S.; Ray M.	A single H-bond triggers the formation of a cleft around Et3NH+ through bond rearrangement and rotations of arms in both Co(iii) and Fe(iii) complexes	2024	Dalton Transactions	53	43	17448	17451	3	10.1039/d4dt02515f	Royal Society of Chemistry	14779226		Scopus
748	Article	Dutta A.; Millar W.; Silvester D.S.; Banerjee T.	Novel eutectogels derived from an ionic-liquid-based deep eutectic solvent as electrolytes for supercapacitors: synthesis and characterization	2024	New Journal of Chemistry	48	41	17787	17801	14	10.1039/d4nj03092c	Royal Society of Chemistry	11440546		Scopus
749	Article	Barman J.; Kumar B.	Importance of vegetation in riverbank resilience: An experimental approach	2024	Earth Surface Processes and Landforms	49	13	4249	4262	13	10.1002/esp.5963	John Wiley and Sons Ltd	1979337		Scopus
750	Article	Sarma H.; Mandal S.; Borbora A.; Phukan A.; Kumar S.; Dhar M.; Sarkar D.; Manna U.	Highly Water-Rich Robust Coating for Separating Immiscible Liquids Mixtures of Wide Range of Surface Tension Differences	2024	Advanced Functional Materials	34	40				10.1002/adfm.202403607	John Wiley and Sons Inc	1616301X		Scopus
751	Article	Bhardwaj J.S.; Agarwal P.	Synthesis of boron-doped reduced graphene oxide as electrode material for supercapacitor applications	2024	Journal of Materials Science: Materials in Electronics	35	30				10.1007/s10854-024-13675-1	Springer	9574522		Scopus
752	Article	Venu Gopala Kumari S.; Pakshirajan K.; Pugazhenth G.	Application of active and environment-friendly poly (3-hydroxybutyrate)/grapeseed oil/MgO nanocomposite packaging for prolonging the shelf-life of cherry tomatoes (Solanum lycopersicum L. var. cerasiforme)	2024	Sustainable Chemistry and Pharmacy	41					10.1016/j.scp.2024.101681	Elsevier B.V.	23525541		Scopus
753	Article	Priyadarshi A.; Saikia S.B.; Swaminathan R.	Monitoring Binding of Protamine with DNA Using Protein Charge Transfer Spectra	2024	Journal of Physical Chemistry B	128	40	9656	9668	12	10.1021/acs.jpbc.4c03665	American Chemical Society	15206106		Scopus
754	Article	Goyari D.; Alagarsamy P.	Structural, Morphological, Electrical Resistivity, and Temperature-dependent Magnetic Property of Single-layered Amorphous Fe70Co15Zr7B5Cu3 HITPERM Films: The Effect of Thickness	2024	Journal of Superconductivity and Novel Magnetism	37	#####	1763	1771	8	10.1007/s10948-024-06832-4	Springer	15571939		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
755	Review	Hoelzl M.; Huijsmans G.T.A.; Artola F.J.; Nardon E.; Becoulet M.; Schwarz N.; Cathey A.; Pamela S.J.P.; Aleynikova K.; Antlitz F.; Bandaru V.; Bergström H.; Bhole A.; Bogaarts T.; Bonfiglio D.; Cipolletta F.; Driessen T.; Edes L.; Futatani S.; Hao G.; Hindenlang F.; Holod I.; Hu D.; Hu S.; Isernia N.; Isliker H.; Kim S.K.; Kong M.; Korving S.; Kos L.; Krebs I.; Lee S.J.; Liang Y.C.; Liang Z.; Liu S.J.; Lu Z.X.; Meier L.; Messfeldt L.; Mitterauer V.; Nikulsin N.; Nkonga B.; Ramasamy R.; Reinking J.; Rogge C.; Rubinacci G.; Särkimäki K.; Smits T.; Sommariva C.; Sparago R.; Strien K.; Szucs M.; Tang W.; van Tongeren J.; Vannini F.; Ventre S.; Villone F.; Wang C.; Wang L.; Wieschollek F.; Wouters F.; Zielinski J.; Zhang H.	Non-linear MHD modelling of transients in tokamaks: a review of recent advances with the JOREK code	2024	Nuclear Fusion	64	11				10.1088/1741-4326/ad5a21	Institute of Physics	295515	All Open Access; Gold Open Access	Scopus
756	Article	Roy P.; Murmu K.; Gooh Pattader P.S.	Dynamic breath figure template for electrohydrodynamic lithography: Formation of multiscale micro-craters and wells	2024	Surfaces and Interfaces	53					10.1016/j.surfin.2024.105046	Elsevier B.V.	24680230		Scopus
757	Article	Kumar A.; Laura R.V.S.J.	Forward and Inverse Ground Response Analysis: An Introduction and Need	2024	Indian Geotechnical Journal	54	5	1933	1940	7	10.1007/s40098-024-01041-1	Springer	9719555		Scopus
758	Article	Karmakar N.; Bora S.N.	Role of a thin porous vertical barrier and a step-type sea-bed in reflecting waves and mitigating wave forces acting on a submerged tunnel	2024	Ocean Engineering	310					10.1016/j.oceaneng.2024.118568	Elsevier Ltd	298018		Scopus
759	Article	Kandpal S.; Bora S.N.	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	18	10.1007/s11600-024-01303-9	Springer Science and Business Media Deutschland GmbH	18956572		Scopus
760	Article	Pal D.; Sarmah R.; Mondal A.; Mallick I.; Srimani D.	Well-defined cobalt(II)-catalyzed synthesis of perimidine derivatives via acceptorless dehydrogenative annulation	2024	Organic and Biomolecular Chemistry	22	43	8602	8607	5	10.1039/d4ob01306a	Royal Society of Chemistry	14770520		Scopus
761	Article	Dhiman B.; Zindani D.; E A.; Singh G.; Chakarabarti D.; Chaudhury M.K.	Decision-making frameworks for assessment of small-scale off-grid photovoltaic home system-based design concepts in rural context of north-east India	2024	Journal of Cleaner Production	478					10.1016/j.jclepro.2024.143893	Elsevier Ltd	9596526		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
762	Article	Bag S.S.; Banerjee A.; Sinha S.; Jana S.	Facets of click-mediated triazoles in decorating amino acids and peptides	2024	Chemical Communications	61	4	639	657	18	10.1039/d4cc03887h	Royal Society of Chemistry	13597345		Scopus
763	Review	Shashikumar U.; Tsai P.-C.; Wang C.-T.; Lay C.-H.; Ponnusamy V.K.	Beyond biomimicry: Innovative bioinspired materials strategies and perspectives for high-performance energy storage devices	2024	Process Safety and Environmental Protection	191		1193	1217	24	10.1016/j.psep.2024.08.123	Institution of Chemical Engineers	9575820		Scopus
764	Article	Kim H.; Kim K.; Kim B.; Han J.-W.; Meyyappan M.	Silicon pillars decorated with SWCNT-COOH for gas sensors	2024	Sensors and Actuators B: Chemical	418					10.1016/j.snb.2024.136234	Elsevier B.V.	9254005		Scopus
765	Article	Bagchi M.J.; Nair S.B.; Das P.K.	On a dynamic and decentralized energy-aware technique for multi-robot task allocation	2024	Robotics and Autonomous Systems	180					10.1016/j.robot.2024.104762	Elsevier B.V.	9218890		Scopus
766	Article	Barman D.; Barman D.; Bhattacharyya K.; Iyer P.K.	Engineering Single Component Luminogens to Multicomponent Charge-transfer Co-crystal Substrate as New Frontiers for Sensitive SERS Detection	2024	Advanced Optical Materials	12	30				10.1002/adom.202401352	John Wiley and Sons Inc	21951071		Scopus
767	Article	Kasif M.; Alarifi A.; Afzal M.; Thirugnanasambandam A.	N, S-codoped carbon dots for antioxidants and their nanovehicle potential as molecular cargoes	2024	RSC Advances	14	44	32041	32052	11	10.1039/d4ra05994h	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access; Green Open Access	Scopus
768	Article	Gogoi P.; Sarmah P.; Prasanna S.R.M.	Cross-linguistic rhythm analysis of Mising and Assamese	2024	ACM Transactions on Asian and Low-Resource Language Information Processing	23	10				10.1145/3694785	Association for Computing Machinery	23754699		Scopus
769	Article	Moorthy M.; Thangavel R.; Krishnan Ganesan B.; Saha A.; Hong S.; Lee Y.-S.	Ultra-high areal capacity, ultra-long life, dendrite-free sodium metal anode enabled by antimony-based Na-ion conducting artificial SEI layers	2024	Chemical Engineering Journal	498					10.1016/j.cej.2024.155234	Elsevier B.V.	13858947		Scopus
770	Article	Zhong Q.; Gao L.; Li W.; Zhao J.; Garg A.; Panda B.	A novel preheating systems for columnar lithium batteries for below zero degrees celsius environment based on topology optimization	2024	International Communications in Heat and Mass Transfer	158					10.1016/j.icheatmasstransfer.2024.107789	Elsevier Ltd	7351933		Scopus
771	Article	Pal T.; Bhowmik S.; Tanwar A.S.; Suhail A.; Peela N.R.; Sastri C.V.; Iyer P.K.	Solvent assisted shape dependent MAPbI3/polyfluorene heterostructures with a larger surface area for improved photocatalytic H2 evolution	2024	Energy Advances	3	12	2965	2971	6	10.1039/d4ya00457d	Royal Society of Chemistry	27531457	All Open Access; Gold Open Access	Scopus
772	Article	Baishya B.; Chakrabarti S.; Maity D.; Nayek K.	Pole-skipping and chaos in D3-D7 brane systems	2024	Physical Review D	110	8				10.1103/PhysRevD.110.086003	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
773	Article	Verma S.; Ravi S.	Structural, magnetic and impedance dynamics of multiferroic high entropy garnet ceramics	2024	Ceramics International	50	19	35449	35456	7	10.1016/j.ceramint.2024.06.356	Elsevier Ltd	2728842		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
774	Review	Ghosh P.; Saikia A.K.	BF3·OEt2-catalyzed/mediated alkyne cyclization: a comprehensive review of heterocycle synthesis with mechanistic insights	2024	Organic and Biomolecular Chemistry	22	46	8991	9020	29	10.1039/d4ob01426j	Royal Society of Chemistry	14770520		Scopus
775	Article	Saikia B.; Dey M.; Garg P.; Gogoi R.; Manik R.; Raidongia K.	Heterojunction of natural clay minerals and carbon nanotubes as robust moisture electric generator	2024	Chemical Engineering Journal	497					10.1016/j.cej.2024.154840	Elsevier B.V.	13858947		Scopus
776	Article	Sarma H.; Mandal S.; Kumar S.; Manna U.	Underwater superoleophobic and magnetic hydrogel for cascade chemical reactions	2024	Chemical Communications	60	94	13871	13874	3	10.1039/d4cc04432k	Royal Society of Chemistry	13597345		Scopus
777	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
778	Article	Bijalwan A.; Mishra A.K.; Sonowal B.	Strength, durability, and toxicity characteristics of water treatment sludge based geopolymers for subgrade application	2024	Construction and Building Materials	447					10.1016/j.conbuildmat.2024.138162	Elsevier Ltd	9500618		Scopus
779	Article	Shah P.M.; Prasad S.K.; Sarkhel R.; Naik P.K.; Sangwai J.S.; Banerjee T.; Kundu D.	Rheological behavior of deep eutectic solvent promoted methane hydrate formation	2024	Journal of the Indian Chemical Society	101	11				10.1016/j.jics.2024.101435	Elsevier B.V.	194522		Scopus
780	Article	Datta A.; Manna S.K.; Sil A.	Spontaneous leptogenesis with sub-GeV axionlike particles	2024	Physical Review D	110	9				10.1103/PhysRevD.110.095035	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
781	Article	Risha H.; Tarun G.; Sanjukta P.	DOTTs-Database of Therapeutic Plants against Tuberculosis: Rationalizing traditional medicine for therapeutic applications	2024	European Journal of Integrative Medicine	71					10.1016/j.eujim.2024.102409	Elsevier GmbH	18763820		Scopus
782	Article	Verma K.; Bhattacharyya H.; Saha S.; Punniyamurthy T.	Expedient (3+3)-annulation of carbonyl ylides with azaoxyallyl cations: formal access to oxa-benzo[c]azepin-3-ones	2024	Chemical Communications	60	91	13368	13371	3	10.1039/d4cc04946b	Royal Society of Chemistry	13597345		Scopus
783	Article	Abara D.; Bhowmick P.; Lanzon A.	A negative imaginary robust formation control scheme for networked multi-tilt tricopters utilizing an inner-loop sliding-mode control technique	2024	Automatica	169					10.1016/j.automatica.2024.111813	Elsevier Ltd	51098		Scopus
784	Article	Verma S.; Ravi S.	Cr induced modifications in Dy3Fe5O12: structural, magnetic, and electrical perspectives	2024	Journal of Materials Science: Materials in Electronics	35	30				10.1007/s10854-024-13575-4	Springer	9574522		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
785	Article	Dadhich S.; Bharat T.V.	Modelling Hydraulic and Swelling Pressure Characteristics of Bentonite Buffer Material for High-Level Nuclear Waste Containment Conditions	2024	Indian Geotechnical Journal	54	5	1884	1896	12	10.1007/s40098-024-00990-x	Springer	9719555		Scopus
786	Article	Barik D.; Chakraborty N.; Sahoo A.K.; Dhara H.N.; Patel B.K.	Electron-donor-acceptor (EDA) complex-driven regioselective vicinal and oxidative geminal functionalization of alkynes	2024	Chemical Communications	60	86	12577	12580	3	10.1039/d4cc04610b	Royal Society of Chemistry	13597345		Scopus
787	Article	Xalxo A.; Goswami U.J.; Das C.; Mehta K.; Bharatam P.V.; Khan A.T.	A Reactivity Study of 4-Hydroxy-2 H -chromene-2-thione and 4-Hydroxy-2 H -thiochromene-2-thione with tert -Butyl Nitrite and Aromatic Amines: An Environmentally Benign Synthesis of New Hydrazone Derivatives	2024	Synthesis (Germany)	57	3	616	628	12	10.1055/a-2434-9481	Georg Thieme Verlag	397881		Scopus
788	Article	Pramanick S.; Jana S.; Bhattacharya A.; Mandal P.S.	Mutual visibility of luminous robots despite angular inaccuracy	2024	Theoretical Computer Science	1011					10.1016/j.tcs.2024.114723	Elsevier B.V.	3043975		Scopus
789	Article	Pratap Singh A.; Baruah J.B.	Hydrates of N-(Anthracen-9-ylmethyl)-3-(1H-imidazolium-1-yl)propan-1-ammonium Zinc(II) or Cobalt(II) 2,6-pyridinedicarboxylate: Inter-conversions, assembling and utilities	2024	Inorganic Chemistry Communications	168					10.1016/j.inoche.2024.112883	Elsevier B.V.	13877003		Scopus
790	Article	Ansari M.A.; Patel A.; Tadikonda B.V.	Effect of Unsaturated Soil Hydraulic Characteristics on Foundation Bearing Capacity in Mountainous Regions Using Slip-Line Theory	2024	International Journal of Geomechanics	24	10				10.1061/IJGNAL.GMEN G-9898	American Society of Civil Engineers (ASCE)	15323641		Scopus
791	Article	Dutta A.; Kundu D.; Naik P.K.; Silvester D.S.; Banerjee T.	Synthesis and Properties of Physically Cross-Linked Silica-Mediated Novel Eutectogels Developed from Carboxylic Acid-Based Natural Deep Eutectic Solvents	2024	Industrial and Engineering Chemistry Research	63	43	18390	18400	10	10.1021/acs.iecr.4c01641	American Chemical Society	8885885		Scopus
792	Article	Toki G.F.I.; Hossain M.K.; Pandey R.; Bhattarai S.; Tawfeek A.M.; Mohammad S.; Habib A.M.J.; Mahmud N.; Rahman M.F.; 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	16	10.1007/s12596-023-01648-2	Springer	9728821		Scopus
793	Article	Konwar B.; De S.; Das G.; Ramesh A.	Napthalimide-based nuclease inhibitor: A multifunctional therapeutic material to bolster MRSA uptake by macrophage-like cells and mitigate pathogen adhesion on orthopaedic implant	2024	International Journal of Biological Macromolecules	277					10.1016/j.ijbiomac.2024.134023	Elsevier B.V.	1418130		Scopus
794	Review	Sahoo A.; Das P.K.; Dasu V.V.; Patra S.	Insulin evolution: A holistic view of recombinant production advancements	2024	International Journal of Biological Macromolecules	277					10.1016/j.ijbiomac.2024.133951	Elsevier B.V.	1418130		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
795	Article	Kolay L.; Nandi S.	Exploring constraints on Simplified Dark Matter model through flavour and electroweak observables	2024	Journal of High Energy Physics	2024	10				10.1007/JHEP10(2024)008	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
796	Article	Kotsedi L.; Abdelmalek A.; Bharadwaj V.; Mtshali C.B.; Nuru Z.Y.; Sotillo B.; Coccia G.; Eaton S.M.; Ramponi R.; Amara E.-H.; Maaza M.	Optical and microstructural studies of femtosecond laser treated amorphous germanium thin coatings	2024	Optical Materials	157					10.1016/j.optmat.2024.116290	Elsevier B.V.	9253467	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
797	Article	Biswas S.; Saikia A.K.	Cascade Alkynyl Prins Cyclization and Aza-Michael Reaction: En Route to Regioselective Pyrano- and Isochromenoquinoline Scaffolds	2024	Journal of Organic Chemistry	89	19	14454	14471	17	10.1021/acs.joc.4c01916	American Chemical Society	223263		Scopus
798	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.; Akbar F.; Allison K.; Monsalve S.A.; Alrashed M.; Alton A.; Alvarez R.; Alves T.; Amar H.; Amedo P.; Anderson J.; Andreopoulos C.; Andreotti M.; Andrews M.P.; Andrianala F.; Andringa S.; Anfimov N.; Ankowski A.; Antic D.; Antoniassi M.; Antonova M.; Antoshkin A.; Aranda-Fernandez A.; Arellano L.; Diaz E.A.; Arroyave M.A.; Asaadi J.; Ashkenazi A.; Asner D.; Asquith L.; Atkin E.; Auguste D.; Aurisano A.; Aushev V.; Autiero D.; Azam M.B.; Azfar F.; Back A.; Back H.; Back J.J.; Bagaturia I.; Bagby L.; Balashov N.; Balasubramanian S.; Baldi P.; Baldini W.; Baldonado J.; Baller B.; Bambah B.; Banerjee R.; Barao F.; Barbu D.; Barenboim G.; Alzás P.B.; Barker G.J.; Barkhouse W.; Barr G.; Monarca J.B.; Barros A.; Barros N.; Barrow D.; Barrow J.L.; Basharina-	First measurement of the total inelastic cross section of positively charged kaons on argon at energies between 5.0 and 7.5 GeV	2024	Physical Review D	110	9				10.1103/PhysRevD.110.092011	American Physical Society	24700010		Scopus
799	Review	Behera S.K.; Karthika S.; Mahanty B.; Meher S.K.; Zafar M.; Baskaran D.; Rajamanickam R.; Das R.; Pakshirajan K.; Bilyaminu A.M.; Rene E.R.	Application of artificial intelligence tools in wastewater and waste gas treatment systems: Recent advances and prospects	2024	Journal of Environmental Management	370					10.1016/j.jenvman.2024.122386	Academic Press	3014797		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
800	Article	Sendh J.; Baruah J.B.	Sequential effects of two cations on the fluorescence emission of a coordination polymer with Zn4O core in node	2024	RSC Advances	14	43	31598	31606	8	10.1039/d4ra06309k	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access	Scopus
801	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
802	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.jpics.2024.112156	Elsevier Ltd	223697		Scopus
803	Article	Zhang H.; Zhang H.; Sikdar D.; Liu X.; Yang Z.; Cheng W.; Chen Y.	Jellyfish-like Gold Nanowires as FlexoSERS Sensors for Sweat Analysis	2024	Nano Letters	24	36	11269	11278	9	10.1021/acs.nanolett.4c02907	American Chemical Society	15306984		Scopus
804	Article	Kumar D.; Gupta A.K.	A unique approach to address avoided crossings in the charge stabilization curve for LUMO identification	2024	Journal of Chemical Physics	161	9				10.1063/5.0225287	American Institute of Physics	219606		Scopus
805	Article	Shaw S.; Ghosh S.	Performance parameters of infra-red and visible-active MXene photocatalysts for water splitting	2024	Physical Chemistry Chemical Physics	26	38	25105	25117	12	10.1039/d4cp02481h	Royal Society of Chemistry	14639076	All Open Access; Green Open Access	Scopus
806	Article	Kumar P.; Suryavanshi P.; Kumar Dwivedy S.; Banerjee S.	Stimuli-responsive materials for 4D Printing: Mechanical, Manufacturing, and Biomedical Applications	2024	Journal of Molecular Liquids	410					10.1016/j.molliq.2024.125553	Elsevier B.V.	1677322		Scopus
807	Article	Hazarika D.; Vishnu K.N.; Ransing R.; Gupta C.N.	Dynamical Embedding of Single-Channel Electroencephalogram for Artifact Subspace Reconstruction	2024	Sensors	24	20				10.3390/s24206734	Multidisciplinary Digital Publishing Institute (MDPI)	14248220		Scopus
808	Article	Sarmah H.S.; Ghosh S.	Surface Passivation and Tunable Magnetic Properties of Cr-Based MXenes	2024	Journal of Physical Chemistry C	128	38	16133	16142	9	10.1021/acs.jpcc.4c04094	American Chemical Society	19327447		Scopus
809	Article	Chouhan A.; Sur A.; Chutia D.; Aggarwal S.P.	TMLNet: Triad Multitask Learning Network for multiobjective based change detection	2024	Neurocomputing	599					10.1016/j.neucom.2024.128080	Elsevier B.V.	9252312		Scopus
810	Article	Lawal U.; Kumar N.; Samyuktha R.; Gopi A.; Robert V.; Pugazhenth G.; Loganathan S.; Valapa R.B.	Poly (lactic acid)/ amine grafted mesoporous silica-based composite for food packaging application	2024	International Journal of Biological Macromolecules	277					10.1016/j.ijbiomac.2024.134567	Elsevier B.V.	1418130		Scopus
811	Article	Mallampati S.C.; Gujjala R.; Manne A.A.; Kumar M.S.R.N.; Suyambulinagm I.; Siengchin S.; Bandaru A.K.	Influence of various environments on the mechanical properties of nanoclay reinforced S-glass/sisal hybrid polyester composites	2024	Polymer Composites	45	13	11647	11658	11	10.1002/pc.28588	John Wiley and Sons Inc	2728397	All Open Access; Green Open Access	Scopus
812	Article	Devi M.; Paul S.	Comprehending the Efficacy of Whitlock's Caffeine-Pincered Molecular Tweezer on β -Amyloid Aggregation	2024	ACS Chemical Neuroscience	15	17	3202	3219	17	10.1021/acchemneuro.4c00387	American Chemical Society	19487193		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
813	Article	Din Mir N.U.; Karthik V.; Sundari K.A.; Dhakshinamoorthy A.; Biswas S.	A Thiophene Functionalized Hf(IV)-Organic Framework for the Detection of Anti-Neoplastic Drug Flutamide and Biomolecule Hemin and Catalysis of Friedel-Crafts Alkylation	2024	Chemistry - An Asian Journal	19	18				10.1002/asia.202400274	John Wiley and Sons Ltd	18614728		Scopus
814	Article	Naskar S.; Das S.; Kaushik H.B.	A novel method to evaluate combined global seismic damage index using recorded floor-displacement data for RC plane frames	2024	Bulletin of Earthquake Engineering	22	11	5805	5833	28	10.1007/s10518-024-01987-w	Springer Science and Business Media B.V.	1570761X		Scopus
815	Article	Ghosh S.; Hossain S.S.; Biswas S.	An imidazole functionalized aqua-stable metal-organic framework for selective fluorogenic detection of herbicide DNOC and antibacterial agent furaltadone in various biological and environmental specimens	2024	Dalton Transactions	53	41	16905	16917	12	10.1039/d4dt02204a	Royal Society of Chemistry	14779226		Scopus
816	Article	Mandal S.; Barman M.; Debnath B.; Punniyamurthy T.	Dual C(sp3)-H and C(sp2)-H Activation of 8-Methylquinoline N-Oxides: A Route to Access C7-H Bond	2024	Organic Letters	26	36	7560	7564	4	10.1021/acs.orglett.4c02584	American Chemical Society	15237060		Scopus
817	Article	Panda S.; Fitzgerald B.; Hazra B.	Real-time anomaly detection of the stochastically excited systems on spherical (S2) manifold	2024	Probabilistic Engineering Mechanics	78					10.1016/j.pro bengmec h.2024.103689	Elsevier Ltd	2668920		Scopus
818	Article	Danny Babu N.; Setlur G.S.	Density-density correlation functions of chiral Luttinger liquids with a point-contact impurity	2024	Physica Scripta	99	10				10.1088/1402-4896/ad7363	Institute of Physics	318949	All Open Access; Green Open Access	Scopus
819	Article	Ali S.; Kalita P.; Bora B.J.; Deka M.J.; Kalita P.; Dutta P.P.	Two novel dual-tube photovoltaic-thermal collector designs with improved performance for liquid-cooled photovoltaic-thermal systems	2024	Renewable Energy	232					10.1016/j.renene.2024.121062	Elsevier Ltd	9601481		Scopus
820	Article	Thakuria S.; Paul S.	Salt-bridge mediated conformational dynamics in the figure-of-eight knotted ketol acid reductoisomerase (KARI)	2024	Physical Chemistry Chemical Physics	26	38	24963	24974	11	10.1039/d4cp02677b	Royal Society of Chemistry	14639076		Scopus
821	Article	Debnath I.; Roy T.; Mahata K.	Remote controlled supramolecular switching using a ring-substituted peri-naphthoindigo derivative	2024	Organic Chemistry Frontiers	11	23	6642	6650	8	10.1039/d4qo01613k	Royal Society of Chemistry	20524110		Scopus
822	Article	Basumatary R.; Sahu S.; Goyari D.; Pamu D.; Brahma R.	Effect of manganese (Mn) doping on the structural, dielectric, ferroelectric, and ferromagnetic properties of ceria (CeO2)	2024	Journal of Alloys and Compounds	999					10.1016/j.jallcom.2024.174958	Elsevier Ltd	9258388		Scopus
823	Review	Manickasamy M.K.; Kumar A.; BharathwajChetty B.; Alqahtani M.S.; Abbas M.; Alqahtani A.; Unnikrishnan J.; Bishayee A.; Sethi G.; Kunnumakkara A.B.	Synergistic enhancement: Exploring the potential of piperine in cancer therapeutics through chemosensitization and combination therapies	2024	Life Sciences	354					10.1016/j.lfs.2024.122943	Elsevier Inc.	243205		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
824	Article	Rajashekar K.; Paul S.; Karmakar S.; Sidhanta S.	Reinforcement Learning for Real-Time Federated Learning for Resource-Constrained Edge Cluster	2024	Journal of Network and Systems Management	32	4				10.1007/s10922-024-09857-1	Springer	10647570		Scopus
825	Article	Chattopadhyay A.; Giri S.; Pradhan C.	Estimates and higher-order spectral shift measures in several variables	2024	Linear Algebra and Its Applications	698		102	134	32	10.1016/j.laa.2024.06.004	Elsevier Inc.	243795	All Open Access; Green Open Access	Scopus
826	Article	Kumar Behera P.; Lenka S.; Chen F.-R.; Roy M.; Mondal I.; Shankar Rao D.S.; Senanayak S.P.; Jou J.-H.; Achalkumar A.S.	Revelation of room temperature liquid crystallinity and yellow-orange electroluminescence (EQE>7%) in a columnar self-assembled N-annulated perylene bisimide	2024	Chemical Engineering Journal	497					10.1016/j.cej.2024.154719	Elsevier B.V.	13858947		Scopus
827	Article	Krishna R.S.; Suresh K.; Mahesh K.; Sujith R.; Singh S.K.	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	13	10.1007/s11665-023-08713-8	Springer	10599495		Scopus
828	Article	Behera S.A.; Hajra S.; Panda S.; Sahu A.K.; Alagarsamy P.; Mishra Y.K.; Kim H.J.; Achary P.G.R.	Synergistic energy harvesting and humidity sensing with single electrode triboelectric nanogenerator	2024	Ceramics International	50	19	37193	37200	7	10.1016/j.ceramint.2024.07.110	Elsevier Ltd	2728842		Scopus
829	Article	Biswas S.; Jha M.; Kayal S.; Pattader P.S.G.; Mandal T.K.	A computational study on transition mechanism of dripping to jetting flow in a flow-focusing geometry	2024	Canadian Journal of Chemical Engineering	102	10	3624	3638	14	10.1002/cjce.25276	John Wiley and Sons Inc	84034		Scopus
830	Article	Dehury P.; Chaudhari S.; Banerjee T.; Kumar Das S.	Prediction of thermophysical properties of deep eutectic solvent-based organic nanofluids: A machine learning approach	2024	Journal of Molecular Liquids	411					10.1016/j.molliq.2024.125809	Elsevier B.V.	1677322		Scopus
831	Article	Kumar S.; Sarma M.	Dissociative electron attachment to halogenated nucleotides: a quest for better radiosensitizers	2024	Physical Chemistry Chemical Physics	26	39	25524	25532	8	10.1039/d4cp02258k	Royal Society of Chemistry	14639076		Scopus
832	Article	Pramanik P.; Singha A.D.; Reehuis M.; Pittala S.; Joshi D.C.; Sarkar T.; Tovar M.; Hoser A.; Hoffmann J.; Thota S.	Interplay of lattice-spin-orbital coupling and Jahn-Teller effect in noncollinear spinel $\text{Ti}_x\text{Mn}_{1-x}(\text{Fe}_y\text{Co}_{1-y})_2\text{O}_4$: a neutron diffraction study	2024	Journal of Physics Condensed Matter	36	35				10.1088/1361-648X/ad4adc	Institute of Physics	9538984		Scopus
833	Review	Pramanik S.; Devi M H.; Chakrabarty S.; Paylar B.; Pradhan A.; Thaker M.; Ayyadhury S.; Manavalan A.; Olsson P.-E.; Pramanik G.; Heese K.	Microglia signaling in health and disease – Implications in sex-specific brain development and plasticity	2024	Neuroscience and Biobehavioral Reviews	165					10.1016/j.neubiorev.2024.105834	Elsevier Ltd	1497634		Scopus
834	Article	Tripathi R.P.; Krishna V.; Tiwari M.; Trivedi G.; Dhawan A.; Kumar P.	Low complexity, high throughput, energy efficient, pipelined and reconfigurable ASIC realization architecture for multi-layer perceptron models	2024	Neurocomputing	598					10.1016/j.neucom.2024.128013	Elsevier B.V.	9252312		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
835	Article	Sahoo K.; Kumar S.; Mohapatra A.; Dubey N.K.; Naik R.; Goswami C.; Bhaumik S.	Highly stable and luminescent formamidinium-based perovskite nanocrystal probe for temperature and mercury sensors and in vitro imaging in live cells	2024	Journal of Materials Chemistry C	12	42	17315	17327	12	10.1039/d4tc02282c	Royal Society of Chemistry	20507526		Scopus
836	Article	Mittal P.; Shekhawat K.; Negi D.; Shyam R.; Kedia S.K.; Singh F.; Prajapat P.; Gupta G.; Ganesh M.D.; Pandey S.; Dobbidi P.; Nelamarri S.R.	Investigation of structural and optical properties of ZnTiO3 thin films irradiated with 50 MeV oxygen ions	2024	Radiation Physics and Chemistry	223					10.1016/j.radphyschem.2024.111938	Elsevier Ltd	0969806X		Scopus
837	Article	Turimov B.; Karshiboev K.; Abdujabbarov A.; Mitra S.; Karshiboev S.	Orbital Precession in Janis–Newman–Winicour Spacetime	2024	Galaxies	12	5				10.3390/galaxies12050058	Multidisciplinary Digital Publishing Institute (MDPI)	20754434	All Open Access; Gold Open Access	Scopus
838	Review	Brahma K.; Nayak R.; Verma S.K.; Sonika	Recent advances in development and application of polymer nanocomposite ion exchange membrane for high performance vanadium redox flow battery	2024	Journal of Energy Storage	97					10.1016/j.est.2024.112850	Elsevier Ltd	2352152X		Scopus
839	Article	Villalpando G.; Jovanovic M.; Hoff B.; Jiang Y.; Singha R.; Yuan F.; Hu H.; Călugăru D.; Mathur N.; Khoury J.F.; Dulovic S.; Singh B.; Plisson V.M.; Pollak C.J.; Moya J.M.; Burch K.S.; Bernevig B.A.; Schoop L.M.	Accessing bands with extended quantum metric in kagome Cs2Ni3S4 through soft chemical processing	2024	Science Advances	10	38				10.1126/sciadv.adl1103	American Association for the Advancement of Science	23752548	All Open Access; Gold Open Access	Scopus
840	Article	Patra A.; Arora A.; Ghosh S.S.; Kaur Saini G.	Beauvericin Reverses Epithelial-to-Mesenchymal Transition in Triple-Negative Breast Cancer Cells through Regulation of Notch Signaling and Autophagy	2024	ACS Pharmacology and Translational Science	7	9	2878	2893	15	10.1021/acsptsci.4c00370	American Chemical Society	25759108	All Open Access; Hybrid Gold Open Access	Scopus
841	Article	Gogoi P.; Rahman M.; Hazarika R.; Das B.; Deori K.; Sarma D.	Regioselective one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles over Ag-Zn-based nanoheterostructured catalysts	2024	New Journal of Chemistry	48	38	16609	16619	10	10.1039/d4nj03273j	Royal Society of Chemistry	11440546		Scopus
842	Article	Devi Y.H.; Pal S.; Singh H.H.; Singh M.; Somorjit Singh N.; Herojit Singh L.	Surface charge alteration of charcoal derived from bamboo leaves and understanding the interaction with anionic and cationic dye	2024	Physica Scripta	99	10				10.1088/1402-4896/ad7a40	Institute of Physics	318949		Scopus
843	Article	Khura B.; Ahmed K.Y.; Mohanty P.; Kumar C.P.; Thapa S.	Minimum dietary diversity is associated with lower risk of childhood underweight: Evidence from the 2019/2021 National Family Health Survey of India	2024	Nutrition Research	130		11	21	10	10.1016/j.nutres.2024.08.003	Elsevier Inc.	2715317	All Open Access; Hybrid Gold Open Access	Scopus
844	Article	Hossain S.S.; Akter S.; Biswas S.	A Luminescent MOF-Based Sensor for Monitoring of an Anticancer Drug and a Pyrethroid Fungicide Biomarker in Wastewater and Biological Fluids	2024	ACS Applied Materials and Interfaces	16	36	47713	47723	10	10.1021/acsami.4c10172	American Chemical Society	19448244		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
845	Article	Pariary R.; Shome G.; Kalita S.; Kalita S.; Roy A.; Harikishore A.; Jana K.; Senapati D.; Mandal B.; Mandal A.K.; Bhunia A.	Peptide-Based Strategies: Combating Alzheimer’s Amyloid β Aggregation through Ergonomic Design and Fibril Disruption	2024	Biochemistry	63	19	2397	2413	16	10.1021/acs.biochem.4c00371	American Chemical Society	62960		Scopus
846	Article	Mehta S.K.; Padhi P.; Wongwises S.; Mondal P.K.	Harvesting Enhanced Blue Energy in Charged Nanochannels Using Semidiluted Polyelectrolyte Solution	2024	Langmuir	40	35	18750	18759	9	10.1021/acs.langmuir.4c02557	American Chemical Society	7437463		Scopus
847	Article	Nandi P.; Majhi B.R.	Unveiling gravity's quantum fingerprint through gravitational waves	2024	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	857					10.1016/j.physletb.2024.138988	Elsevier B.V.	3702693	All Open Access; Gold Open Access; Green Open Access	Scopus
848	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	10.1007/s13399-023-04655-2	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
849	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
850	Article	Das M.; Maiti S.K.	Employment of light-inducible promoter in genetically engineered cyanobacteria for photosynthetic isobutanol production with simulated diurnal sunlight and CO2	2024	Journal of Biotechnology	393		31	40	9	10.1016/j.jbiotec.2024.07.014	Elsevier B.V.	1681656		Scopus
851	Article	Pankaj P.; Biswas P.; Kim D.	Metallurgical characteristics and mechanical properties of dissimilar friction stir welded DH36 steel and UNS G10080 steel joints	2024	Manufacturing Letters	41		384	394	10	10.1016/j.mfglet.2024.09.046	Elsevier Ltd	22138463		Scopus
852	Article	Basumatary R.K.; Singha K.K.; Sen S.; Parida B.N.; Ganesh M.D.; Pamu D.; Srivastava S.K.; Brahma R.	Effect of Co doped BCT on structural, microstructural, dielectric, and multiferroic properties	2024	Ceramics International	50	19	36306	36319	13	10.1016/j.ceramint.2024.07.014	Elsevier Ltd	2728842		Scopus
853	Article	Ghosal S.; Nandi S.; Giri P.K.	Defect-Engineered Nb2O5 Nanoparticles for SERS Sensing through Suppressed Phonon-Assisted Recombination at Cryogenic Temperature	2024	ACS Applied Nano Materials	7	17	20484	20497	13	10.1021/acsanm.4c03460	American Chemical Society	25740970		Scopus
854	Article	Rakshit S.; Maji D.; Mondal K.G.; Roy T.; Jana P.C.; Kar B.S.; Datta R.	Structural, optical and magnetic properties of chemically grown copper oxide nanoparticles: An insight into anticancer activities	2024	Materials Chemistry and Physics	325					10.1016/j.matchemphys.2024.129794	Elsevier Ltd	2540584		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
855	Article	Gudala S.; Sharma A.; Lankada A.; Liu R.; Jha A.; Penta S.; Dar O.I.; Yang J.	Green One-Pot Synthesis of Thiazole Scaffolds Catalyzed by Reusable NiFe2O4 Nanoparticles: In Silico Binding Affinity and In Vitro Anticancer Activity Studies	2024	ACS Omega	9	36	38262	38271	9	10.1021/acsomega.4c05587	American Chemical Society	24701343	All Open Access; Gold Open Access	Scopus
856	Article	Saikia P.J.; Kumar A.; Kumar M.; Muthu N.	Cohesive zone parameters to predict mixed-mode delamination in CFRP reinforced with hydroxyl functionalized MWCNTs: Experimental and numerical investigations	2024	Engineering Failure Analysis	164					10.1016/j.engfailanal.2024.108656	Elsevier Ltd	13506307		Scopus
857	Article	Mahto A.K.; Tripathi Y.M.; Dey S.; El-Raouf M.M.A.; Alsadat N.	Efficient estimation of the density and distribution functions of Weibull-Burr XII distribution	2024	Alexandria Engineering Journal	104		576	586	10	10.1016/j.aej.2024.07.118	Elsevier B.V.	11100168	All Open Access; Gold Open Access	Scopus
858	Article	Hajra A.; Chattopadhyay A.	Moiré Superlattices of Zn2+ Mediated 2D Assembly of Mn2+-Cysteine Complex Nanoparticles Alter Electron Spin Transitions in the X-Band	2024	Chemistry of Materials	36	17	8523	8533	10	10.1021/acs.chemmater.4c01779	American Chemical Society	8974756	All Open Access; Green Open Access	Scopus
859	Article	Paul P.; Roy H.; Bhattacharjee G.; Baruah N.; Kundu L.M.	Amine-Rich Carbon Dots Synthesized from Kappa-Carrageenan and L-Lysine as a Dual Probe for Detection of Folic Acid and Tumor-Targeted Delivery of Therapeutics	2024	ACS Applied Bio Materials	7	9	6034	6043	9	10.1021/acsabm.4c00678	American Chemical Society	25766422		Scopus
860	Article	Mohar K.; Phukan H.J.; Mondal A.; Soni K.; Srimani D.	Activating Methanol for Chemoselective Transfer Hydrogenation of Chalcones Using an SNS-Ruthenium Complex	2024	Synlett	35	20	2429	2434	5	10.1055/a-2384-6441	Georg Thieme Verlag	9365214		Scopus
861	Article	Moral R.; Das G.	Exploring the gelation and AIE properties of a tripodal acylhydrazone-based probe: turn-on Zn(ii) sensing in HEPES buffer	2024	Soft Matter	20	38	7668	7677	9	10.1039/d4sm00787e	Royal Society of Chemistry	1744683X		Scopus
862	Article	Allampalli P.; Solanki S.; Sivaprakasam S.	Metabolic heat based specific growth rate estimators: Does the choice of estimation model influence the state of bioprocesses?	2024	Journal of Bioscience and Bioengineering	138	3	239	248	9	10.1016/j.jbiosc.2024.05.014	Elsevier B.V.	13891723		Scopus
863	Article	Hota S.; Kumar M.	ErpY-like Protein Interaction with Host Thrombin and Fibrinogen Intervenes the Plasma Coagulation through Extrinsic and Intrinsic Pathways	2024	ACS Infectious Diseases	10	9	3256	3272	16	10.1021/acsinfecdis.4c00266	American Chemical Society	23738227		Scopus
864	Article	Puhan M.R.; Sarkar P.; Amal R.; Nagendraprasad G.; Reddy K.A.; Sutariya B.; Karan S.	Unraveling Anomalies in Preferential Liquid Transport through the Intrinsic Pores of Cyclodextrin in Polyester Nanofilms	2024	Advanced Materials	36	36				10.1002/adma.202404164	John Wiley and Sons Inc	9359648		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
865	Article	Mohammed N.; Katari J.K.; 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	15	10.1007/s13399-023-04277-8	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
866	Article	Uniyal A.; Chakrabarti S.; Pantig R.C.; Övgün A.	Nonlinearly charged black holes: Shadow and thin-accretion disk	2024	New Astronomy	111					10.1016/j.newast.2024.102249	Elsevier B.V.	13841076	All Open Access; Green Open Access	Scopus
867	Article	Sahu D.; Debnath S.; Ghosal S.; Giri P.K.	2D Printed Plasmonic Nanoparticle Array Incorporated Formamidineium-Based High-Performance Self-Biased Perovskite Photodetector	2024	ACS Applied Materials and Interfaces	16	37	49544	49555	11	10.1021/acsami.4c12822	American Chemical Society	19448244		Scopus
868	Review	Das S.K.; Gautam S.S.	A Systematic Review of Isogeometric Contact Analysis and Its Applications	2024	Archives of Computational Methods in Engineering	31	7	4235	4267	32	10.1007/s11831-024-10111-9	Springer Science and Business Media B.V.	11343060		Scopus
869	Review	Agarwalla A.; Mohanty K.	A critical review on the application of membrane technology in microalgal harvesting and extraction of value-added products	2024	Separation and Purification Technology	344					10.1016/j.seppur.2024.127180	Elsevier B.V.	13835866		Scopus
870	Article	Vyas S.; Barua A.; Mallikarjuna C.; Baghel T.	An integrated approach for managing drought risks in the eastern himalayan region of India	2024	International Journal of Disaster Risk Reduction	112					10.1016/j.ijdr.2024.104789	Elsevier Ltd	22124209	All Open Access; Hybrid Gold Open Access	Scopus
871	Article	Devi L.S.; Daniel T.T.; Paily R.; Dasmahapatra A.K.	Polyaniline/Poly(vinyl alcohol) Conductive Hydrogel for a Chemiresistive Ultrasensitive Ammonia Gas Sensor	2024	ACS Applied Polymer Materials	6	17	10603	10614	11	10.1021/acsapm.4c01766	American Chemical Society	26376105		Scopus
872	Article	Sen G.; Maity D.; Das S.	Study of relativistic hot accretion flow around Kerr-like wormhole	2024	Journal of Cosmology and Astroparticle Physics	2024	10				10.1088/1475-7516/2024/10/068	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
873	Article	Aravinthkumar K.; Das B.; Chen S.-S.; Mohan C.R.	Synergistic effect in ZIF-67/MoS2 entrenched MWCNT photo (electro) catalyst for degradation of tetracycline and alternative to Pt counter electrode in dye-sensitized solar cells	2024	Journal of Environmental Chemical Engineering	12	5				10.1016/j.jece.2024.113604	Elsevier Ltd	22133437		Scopus
874	Article	Bhattacharjya B.; Monterde H.; Pal H.	Quantum walks on blow-up graphs	2024	Journal of Physics A: Mathematical and Theoretical	57	33				10.1088/1751-8121/ad6653	Institute of Physics	17518113	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
875	Article	Panda S.A.; Choudhary S.; Barala S.; Hazra A.; Jena S.K.; Gangopadhyay S.	Surface energy and stress driven growth of extremely long and high-density ZnO nanowires using a thermal step-oxidation process	2024	RSC Advances	14	38	28086	28097	11	10.1039/d4ra03128h	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access	Scopus
876	Article	Garg G.; Mankodi T.K.; Esmaeilifar E.; Myong R.S.	Neural network-based finite volume method and direct simulation Monte Carlo solutions of non-equilibrium shock flow guided by nonlinear coupled constitutive relations	2024	Physics of Fluids	36	10				10.1063/5.0223654	American Institute of Physics	10706631		Scopus
877	Article	Nagendraprasad G.; Anki Reddy K.; Karan S.; Das C.	Nonpreferential Solvent Transport through an Intrinsic Cyclodextrin Pore in a Polyester Film	2024	Journal of Physical Chemistry B	128	35	8578	8591	13	10.1021/acs.jpcc.4c02263	American Chemical Society	15206106		Scopus
878	Article	Deka J.; Kalita C.; Sarma R.K.; Thakur S.; Sarkar R.D.; Debanath M.K.; Adhikary N.C.; Saikia E.	Photocatalytic and Antibacterial Activities of Alternanthera dentata Mediated Bio-nanocomposite of CuO Nanoparticles and DFT Study on the Selective Capping Behavior of Phytocompounds	2024	Journal of Electronic Materials	53	10	6508	6523	15	10.1007/s11664-024-11344-x	Springer	3615235		Scopus
879	Article	Patra A.; Dutta P.; Das M.; Karim G.M.; Deb S.K.; Das S.; Mukherjee P.; Ghosh S.; Maiti U.N.	Harnessing true capacitive activity of nitrogen-doped MXene through hydrogel assembly and theoretical understanding of the role of dopant sites	2024	Carbon	229					10.1016/j.carbon.2024.119485	Elsevier Ltd	86223		Scopus
880	Article	Borah D.; Das N.; Roshan R.	Observable gravitational waves and Δ neff with global lepton number symmetry and dark matter	2024	Physical Review D	110	7				10.1103/PhysRevD.110.075042	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
881	Article	Alam T.; Gupta S.; Patel B.K.	Electrochemical NH-Sulfoximination with α -Keto Acids	2024	ChemPhysChem	25	19				10.1002/cphc.202400599	John Wiley and Sons Inc	14394235		Scopus
882	Article	Halder D.; Lahiri S.; Basu S.	Competing topological phases in a non-Hermitian time-reversal symmetry broken Bernevig-Hughes-Zhang model	2024	Physical Review B	110	11				10.1103/PhysRevB.110.115132	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
883	Article	Acharyya R.; Dey A.	Application of MGGP in Predicting Bearing Capacity of a Strip Footing Resting on the Crest of a Marginal Soil Hillslope	2024	KSCE Journal of Civil Engineering	28	10	4244	4257	13	10.1007/s12205-024-1217-y	Korean Society of Civil Engineers	12267988		Scopus
884	Article	Ghorani E.; Mitra S.; Rayimbaev J.; Pulice B.; Atamurotov F.; Abdujabbarov A.; Demir D.	Constraints on metric-Palatini gravity from QPO data	2024	European Physical Journal C	84	10				10.1140/epjc/s10052-024-13373-6	Springer Nature	14346044	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
885	Article	Thatikonda S.K.; Kandasami A.; Rabha S.; Pamu D.; Nirala A.K.	Enhancement of crystallinity and the optical properties in gamma irradiated and thermally annealed cobalt doped MgTiO3 thin films	2024	Thin Solid Films	804					10.1016/j.tsf.2024.140483	Elsevier B.V.	406090		Scopus
886	Article	Mondal T.; Kalita S.; Dutta R.; Mandal B.	A smart adaptable metal sequestering peptide conjugate to modulate Aβ fibrillar aggregation	2024	Journal of Materials Chemistry B	12	44	11444	11454	10	10.1039/d4tb01093k	Royal Society of Chemistry	2050750X		Scopus
887	Article	Das S.; Kumar P.; Bhattacharya M.; Dey T.N.	Hybrid rotational cavity optomechanics using an atomic superfluid in a ring	2024	Physical Review A	110	4				10.1103/PhysRevA.110.043512	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
888	Article	Barnwal N.; Nandi N.; Sarkar P.; Sahu K.	White Light Emission from Zn(II) and DMSO-Induced Copper Nanocluster Assembly	2024	Chemistry - An Asian Journal	19	19				10.1002/asia.202400633	John Wiley and Sons Ltd	18614728		Scopus
889	Article	Al-Ajamee M.	An updated Probabilistic Seismic Hazard Analysis (PSHA) for Sudan and South Sudan	2024	Bulletin of Engineering Geology and the Environment	83	10				10.1007/s10064-024-03874-9	Springer Science and Business Media Deutschland GmbH	14359529		Scopus
890	Article	Kar S.; Maharana P.K.; Maity S.; Trivedi V.; Punniyamurthy T.	Copper-catalyzed (4+3)-cycloaddition of 4-indolylcarbinols with aziridines: stereoselective synthesis of azepinoindoles	2024	Chemical Communications	60	83	12008	12011	3	10.1039/d4cc03544e	Royal Society of Chemistry	13597345		Scopus
891	Review	Dhar M.; Das A.; Manna U.	Deriving Superhydrophobicity Directly and Solely from Molecules: A Facile and Emerging Approach	2024	Langmuir	40	37	19287	19303	16	10.1021/acs.langmuir.4c01220	American Chemical Society	7437463		Scopus
892	Article	Chowdhury A.; Biswas S.; Chakraborty S.	Accreting Schwarzschild-like compact object: Plasma-photon interaction and stability	2024	Physical Review D	110	6				10.1103/PhysRevD.110.064072	American Physical Society	24700010	All Open Access; Green Open Access	Scopus
893	Article	Toprakseven S.; Srinivasan N.	An efficient weak Galerkin FEM for third-order singularly perturbed convection-diffusion differential equations on layer-adapted meshes	2024	Applied Numerical Mathematics	204		130	146	16	10.1016/j.apnum.2024.06.009	Elsevier B.V.	1689274		Scopus
894	Article	Massembale D.R.K.; Djorwé P.; Sarma A.K.; Abdel-Aty A.-H.; Engo S.G.N.	Quantum entanglement assisted via Duffing nonlinearity	2024	Physical Review A	110	4				10.1103/PhysRevA.110.043502	American Physical Society	24699926	All Open Access; Hybrid Gold Open Access	Scopus
895	Article	Srivyas P.D.; Medhi T.; Bhat S.; Charoo M.S.	Tribological behavior of rice bran and sesame greases using h-BN and CuO nanoparticles	2024	Biomass Conversion and Biorefinery	14	19	23515	23533	18	10.1007/s13399-023-04528-8	Springer Science and Business Media Deutschland GmbH	21906815		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
896	Article	Arandhara P.J.; Chutia A.; Biswas S.; Saikia A.K.	A Lewis Acid-Catalyzed Cascade Synthesis of Fused N-Heterocycles from 2-Alkynylanilines and 2-Formylbenzonitriles: Unveiling Iminoisoindoloindolone and Its Derivatives	2024	Journal of Organic Chemistry	89	17	12128	12142	148	10.1021/acs.joc.4c01038	American Chemical Society	223263		Scopus
897	Article	Singh Y.R.; Thakur A.; Fontes C.M.G.A.; Goyal A.	A novel thermophilic recombinant obligate xylobiohydrolase (AcGH30A) from Acetivibrio clariflavus orchestrates the deconstruction of xylan polysaccharides	2024	Carbohydrate Polymers	340					10.1016/j.carbpol.2024.122295	Elsevier Ltd	1448617		Scopus
898	Article	Warsi S.B.F.; Panda B.; Biswas P.	Development of ultra-ductile strain hardening 3D printed concrete composite utilizing critical fiber volume and coarse aggregate	2024	Additive Manufacturing	95					10.1016/j.addma.2024.104541	Elsevier B.V.	22148604		Scopus
899	Article	Raj A.; Ting D.S.K.; Yang Y.	Orifice versus Converging-Nozzle Grid Turbulence: A Wavelet Perspective	2024	Applied Sciences (Switzerland)	14	20				10.3390/app14209255	Multidisciplinary Digital Publishing Institute (MDPI)	20763417	All Open Access; Gold Open Access	Scopus
900	Article	Nudrat S.; Maity B.; Quraishi S.; Karankumar I.; Kumari K.; Jana M.; Singha Roy A.	Binding Interaction of Coumarin Derivative Daphnetin with Ovalbumin: Molecular Insights into the Complexation Process and Effects of Metal Ions and pH in the Binding and Antifibrillation Studies	2024	Molecular Pharmaceutics	21	9	4708	4725	17	10.1021/acs.molpharmaceut.4c00675	American Chemical Society	15438384		Scopus
901	Review	Dey A.; Ghosh S.; Rajendran R.L.; Bhuniya T.; Das P.; Bhattacharjee B.; Das S.; Mahajan A.A.; Samant A.; Krishnan A.; Ahn B.-C.; Gangadaran P.	Alzheimer’s Disease Pathology and Assistive Nanotheranostic Approaches for Its Therapeutic Interventions	2024	International Journal of Molecular Sciences	25	17				10.3390/ijms25179690	Multidisciplinary Digital Publishing Institute (MDPI)	16616596	All Open Access; Gold Open Access	Scopus
902	Article	Ngomade S.B.L.; Fotsop C.G.; Bhonsle A.K.; Rawat N.; Gupta P.; Singh R.; Tchummegne I.K.; Singh R.K.; Atray N.	Pilot-scale optimization of enhanced biodiesel production from high FFA Podocarpus falcatus oil via simultaneous esterification and transesterification assisted by zirconia-supported ZSM-5	2024	Chemical Engineering Research and Design	209		52	66	14	10.1016/j.cherd.2024.07.031	Institution of Chemical Engineers	2638762		Scopus
903	Article	Barman R.; Singh G.	Arithmetic properties and asymptotic formulae for $\sigma_{\text{omex}}(n)$ and $\sigma_{\text{emex}}(n)$	2024	Ramanujan Journal	65	1	125	137	12	10.1007/s11139-024-00886-7	Springer	13824090		Scopus
904	Article	Li G.M.; Peng Z.J.; Xiang C.J.; Sorokin P.; Perumal A.; Xu X.D.	Tailoring phase transformation pathways to enhance magnetic performance in Ga-doped sintered Nd-Fe-B magnets	2024	Acta Materialia	276					10.1016/j.actamat.2024.120130	Acta Materialia Inc	13596454		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
905	Article	Borković A.; Gfrerer M.H.; Sauer R.A.; Marussig B.; Bui T.Q.	A novel section–section potential for short-range interactions between plane beams	2024	Computer Methods in Applied Mechanics and Engineering	429					10.1016/j.cma.2024.117143	Elsevier B.V.	457825	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
906	Article	Kumar A.; Choudhary R.	Multiscale evaluation of aging susceptibility of asphalt binders modified with recycled rubber and plastic pyrolytic oil composites	2024	Construction and Building Materials	440					10.1016/j.conbuildmat.2024.137473	Elsevier Ltd	9500618		Scopus
907	Article	Kechu O.; Som B.; Benites L.; Maehara R.	Can cultural distance be a factor in bilingual processing? Report from primed translation recognition task of Rongmei-Meitei bilinguals	2024	Poznan Studies in Contemporary Linguistics	60	3	349	377	28	10.1515/psicl-2023-0015	De Gruyter Mouton	1372459		Scopus
908	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	24	10.1007/s40997-023-00726-x	Springer Nature	22286187		Scopus
909	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.; Aimard B.; Akbar F.; Allison K.; Monsalve S.A.; Alrashed M.; Alton A.; Alvarez R.; Alves T.; Amar H.; Amedo P.; Anderson J.; Andrade D.A.; Andreopoulos C.; Andreotti M.; Andrews M.P.; Andrianala F.; Andringa S.; Anfimov N.; Ankowski A.; Antoniassi M.; Antonova M.; Antoshkin A.; Aranda-Fernandez A.; Arellano L.; Diaz E.A.; Arroyave M.A.; Asaadi J.; Ashkenazi A.; Asner D.; Asquith L.; Atkin E.; Auguste D.; Aurisano A.; Aushev V.; Autiero D.; Azfar F.; Back A.; Back H.; Back J.J.; Bagaturia I.; Bagby L.; Balashov N.; Balasubramanian S.; Baldi P.; Baldini W.; Baldonado J.; Baller B.; Bambah B.; Banerjee R.; Barao F.; Barenboim G.; Alzás P.B.; Barker G.J.; Barkhouse W.; Barr G.; Monarca J.B.; Barros A.; Barros N.; Barrow D.; Barrow J.L.; Basharina-Freshville A.; Bashyal A.	Performance of a Modular Ton-Scale Pixel-Readout Liquid Argon Time Projection Chamber	2024	Instruments	8	3				10.3390/instruments8030041	Multidisciplinary Digital Publishing Institute (MDPI)	2410390X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
910	Note	Panda S.; Shin H.; Hajra S.; Oh Y.; Oh W.; Lee J.; Rajaitha P.M.; Panigrahi B.K.; Shukla J.; Sahu A.K.; Alagarsamy P.; Kim H.J.	Reply to comment on “Ferroelectric composite-based piezoelectric energy harvester for self-powered detection of obstructive sleep” by A. Tkach and O. Okhay	2024	Journal of Materiomics	10	5	1160	1164	4	10.1016/j.jmat.2024.05.006	Chinese Ceramic Society	23528478	All Open Access; Gold Open Access	Scopus
911	Article	Chandra Gurrala R.; Sahu S.; Rekha Phani P.S.D.; Prasad V.J.S.N.; Kishore Babu B.; Dobbidi P.	An investigation of photocatalytic and biological properties of Croton bonplandianum-mediated Ag-Cu bimetallic nanoparticles	2024	Journal of Photochemistry and Photobiology A: Chemistry	454					10.1016/j.jphotochem.2024.115729	Elsevier B.V.	10106030		Scopus
912	Article	Bhattacharya D.; Debnath T.	Localized Surface Plasmon Resonance in Ag-In-Te Based Quantum Dots and Core/Shell Nanocrystals	2024	ChemNanoMat	10	9				10.1002/cnma.202400297	John Wiley and Sons Inc	2199692X		Scopus
913	Article	Pal S.; Wareppam B.; Singh N.S.; Singh L.H.	Stabilized surface charge by optimizing the carbonization temperature of bamboo for sustainable dye degradation at varying pH	2024	Journal of Materials Science: Materials in Electronics	35	26				10.1007/s10854-024-13501-8	Springer	9574522		Scopus
914	Article	Sarmah H.S.; Ghosh S.	Tunable magnetism in nitride MXenes: consequences of atomic layer stacking	2024	Nanoscale	16	37	17474	17487	13	10.1039/d4nr02246g	Royal Society of Chemistry	20403364	All Open Access; Green Open Access	Scopus
915	Editorial	Jairath V.	Special Issue on Dispossession and Resistance in India and Mexico: Introduction	2024	Journal of Developing Societies	40	3	267	276	9	10.1177/0169796X241260102	SAGE Publications Ltd	0169796X		Scopus
916	Article	Bharadwaj A.; Kumar A.; Padalumavunkal Mathew S.; Mitra R.; Bhattacharyya J.; Jaganathan B.G.; Boruah B.R.	Advancing cellular insights: Super-resolution STORM imaging of cytoskeletal structures in human stem and cancer cells	2024	Biochemistry and Biophysics Reports	39					10.1016/j.bbrep.2024.101798	Elsevier B.V.	24055808	All Open Access; Gold Open Access; Green Open Access	Scopus
917	Article	Paul M.; Chattopadhyay A.	Magneto-Luminescent Two-Dimensional Nanosheets of Gadolinium and Gold Nanocluster Assemblies with Surface Molecular Functionalization for White Light Emission	2024	Journal of Physical Chemistry Letters	15	33	8584	8592	8	10.1021/acs.jpcllett.4c01888	American Chemical Society	19487185		Scopus
918	Article	Singh B.; Sur A.; Mitra P.	Multi-contextual design of convolutional neural network for steganalysis	2024	Multimedia Tools and Applications	83	32	77247	77265	18	10.1007/s11042-024-18545-w	Springer	13807501	All Open Access; Green Open Access	Scopus
919	Article	Sengupta P.; Das A.; Khanam J.; Biswas A.; Mathew J.; Mondal P.K.; Romero E.L.; Thomas S.; Trotta F.; Ghosal K.	Evaluating the potential of ethyl cellulose/eudragit-based griseofulvin loaded nanosponge matrix for topical antifungal drug delivery in a sustained release pattern	2024	International Journal of Biological Macromolecules	276					10.1016/j.ijbiomac.2024.133953	Elsevier B.V.	1418130		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
920	Article	Parashar S.; Prasad J.S.; Muthukumar P.; Soti A.K.	Experimental studies on a novel La0.7Ce0.3Fe0.75Ni4.25 loaded in annular finned reactor for hydrogen storage, fuel cell and space heating applications	2024	International Journal of Hydrogen Energy	80		1290	1304	14	10.1016/j.ijhydene.2024.07.040	Elsevier Ltd	3603199		Scopus
921	Article	Manner O.; Sarmah S.; Patra K.P.; Maji D.; Ravi S.; Bora T.	Effect of rare earth (Ho and Er) co-substitution on the magnetic and dielectric properties of nanocrystalline cobalt ferrites	2024	Ceramics International	50	17	30912	30930	18	10.1016/j.ceramint.2024.05.397	Elsevier Ltd	2728842		Scopus
922	Article	Bachu V.; Mili M.; Dutta A.; Thungon P.D.; Goswami P.	Electrochemiluminescence-Based Lateral Flow Assay for Detection of Cardiac Troponin T Using Aptamers Developed through a Modified SELEX Technique	2024	ACS Applied Optical Materials	2	8	1688	1698	10	10.1021/acsaom.4c00258	American Chemical Society	27719855		Scopus
923	Article	Pradhan G.; Deka B.	Optimal convergence analysis of the virtual element methods for viscoelastic wave equations with variable coefficients on polygonal meshes	2024	BIT Numerical Mathematics	64	3				10.1007/s10543-024-01030-z	Springer Science and Business Media B.V.	63835		Scopus
924	Article	Dutta P.; Deb S.K.; Patra A.; Karim G.M.; Majumder A.; Kumar P.; Iyer P.K.; Padma N.; Maiti U.N.	Activating Ion Channels in Collapsed Hydrogel Derived Densified MXene Films with Cellulose Nanofibers to Overcome the Areal Versus Volumetric Capacitance Trade-Off	2024	Small	20	35				10.1002/sml.202400119	John Wiley and Sons Inc	16136810		Scopus
925	Article	Alam M.; Kumar K.	Power Management Scheme Based on Aging Factor of Battery Storage Systems for Electric Vehicles	2024	e-Prime - Advances in Electrical Engineering, Electronics and Energy	9					10.1016/j.prime.2024.100710	Elsevier Ltd	27726711	All Open Access; Gold Open Access	Scopus
926	Article	Bergström H.; Särkimäki K.; Bandaru V.; Skyllas M.M.; Hoelzl M.	Assessment of the runaway electron load distribution in ITER during 3D MHD induced beam termination	2024	Plasma Physics and Controlled Fusion	66	9				10.1088/1361-6587/ad5fb5	Institute of Physics	7413335	All Open Access; Hybrid Gold Open Access	Scopus
927	Article	Venkatanaga Chandra G.; Ghosh P.K.	Groundwater quality in high-sulfur coal mining region of India: Spatial distribution, source control, and health risk assessment	2024	Journal of Environmental Management	368					10.1016/j.jenvman.2024.122281	Academic Press	3014797		Scopus
928	Review	Nath P.C.; Dey P.; Paul T.; Shil S.; Sarkar S.; Rustagi S.; Bhattacharya D.; Vora K.; Roy R.	Essential oils and their critical implications in human use	2024	Biocatalysis and Agricultural Biotechnology	60					10.1016/j.bcab.2024.103258	Elsevier Ltd	18788181		Scopus
929	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
930	Article	Rajput A.S.; Babu P.; Das M.; Kapil S.	Influence of toolpath strategies during laser polishing on additively manufactured biomaterials	2024	Surface Engineering	40	#####	967	982	15	10.1177/02670844241285300	SAGE Publications Ltd	2670844		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
931	Article	Lakshmi Narayanan V.; Kumar Dhaked D.; Sitharthan R.	Improved machine learning-based pitch controller for rated power generation in large-scale wind turbine	2024	Renewable Energy Focus	50					10.1016/j.ref.2024.100603	Elsevier Ltd	17550084		Scopus
932	Article	Maradani L.S.R.; Pradhan B.	Effect of chloride and sulphate on ionic concentration of aqueous pore solution and microstructural properties of fly ash-GBFS geopolymer concrete	2024	Construction and Building Materials	440					10.1016/j.conbuildmat.2024.137422	Elsevier Ltd	9500618		Scopus
933	Article	Vijay; Saravana Kumar G.; Chand A.K.B.	A comprehensive discussion on various methods of generating fractal-like Bézier curves	2024	Computational and Applied Mathematics	43	6				10.1007/s40314-024-02887-0	Springer Nature	22383603		Scopus
934	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
935	Article	Bhardwaj N.; Narayanan G.R.; Dixit U.S.	Improvement of production efficiency and optimization of exit-hole–free FSSW joints using adhesive-bonded consumable pin and lubrication	2024	International Journal of Advanced Manufacturing Technology	134	#####	2833	2847	14	10.1007/s00170-024-14295-z	Springer Science and Business Media Deutschland GmbH	2683768		Scopus
936	Review	Rath P.; Jaiswal C.; Pal D.; Nandi S.K.; Mandal B.B.	Canine Breast Carcinomas: Recent Advances in Diagnostic and Treatment Strategies	2024	Advanced Therapeutics	7	9				10.1002/adtp.202400115	John Wiley and Sons Inc	23663987		Scopus
937	Article	Sendh J.; Baruah J.B.	Bi-component sensing platform for the detection of Cd2+, Fe2+and Fe3+ ions	2024	RSC Advances	14	37	27153	27161	8	10.1039/d4ra04655b	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access	Scopus
938	Article	Singh H.; Nandy M.K.	Black hole singularity resolution in Wheeler–DeWitt quantum gravity	2024	Annals of Physics	468					10.1016/j.aop.2024.169719	Academic Press Inc.	34916		Scopus
939	Article	Pottipati S.; Hazarika J.; Kalamdhad A.S.	Bioconversion of phytotoxic terrestrial weeds into soil conditioning bioproduct through two-stage biodegradation process	2024	Biomass Conversion and Biorefinery	14	17	20333	20344	11	10.1007/s13399-023-04201-0	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
940	Article	Pandey P.; Singha A.; Bhowmick S.; Qureshi M.	Scalable, Flexible, Magnetic-Field-Guided rULGO Sponge-BN-Cobalt Oxide-Based Supercapacitors: Mechanistic Insights into Multiple Charge Transfer Pathways by the Distribution of Relaxation Times	2024	ACS Applied Materials and Interfaces	16	34	44665	44677	12	10.1021/acsami.4c06561	American Chemical Society	19448244		Scopus
941	Article	Pampi L.; Bhattacharya S.; Paul D.; Das G.	Controlling crystal growth of calcium carbonate/sulphate by the additive Symphytum Q: effect in polymorphs and phases	2024	Bulletin of Materials Science	47	3				10.1007/s12034-024-03201-8	Springer	2504707		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
942	Article	Bhattacharya S.; Dutta A.; Khanra P.K.; Gupta N.; Dutta R.; Tzvetkov N.T.; Milella L.; Ponticelli M.	In silico exploration of 4(α -L-rhamnosyloxy)-benzyl isothiocyanate: A promising phytochemical-based drug discovery approach for combating multi-drug resistant Staphylococcus aureus	2024	Computers in Biology and Medicine	179					10.1016/j.combiomed.2024.108907	Elsevier Ltd	104825		Scopus
943	Article	Samanta A.; Chaubey A.; Pal D.; Majhi K.; Srimani D.	Redox-enabled cooperative catalysis by activating secondary alcohols using low-valent Zn complexes	2024	Chemical Communications	60	75	10398	10401	3	10.1039/d4cc03407d	Royal Society of Chemistry	13597345		Scopus
944	Review	Askkar Deen M.; Kumar Rajendran H.; Chandrasekar R.; Ghosh D.; Narayanasamy S.	The Rise of Ti3C2Tx MXene synthesis strategies over the decades: A review	2024	FlatChem	47					10.1016/j.flatc.2024.100734	Elsevier B.V.	24522627		Scopus
945	Review	Kumar D.; Kore S.D.; 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	35	10.1007/s40684-024-00599-8	Korean Society for Precision Engineering	22886206		Scopus
946	Review	Yadav H.N.S.; Das M.	Advances in finishing of optical complex substrates: A comprehensive review	2024	Optics and Laser Technology	176					10.1016/j.optlastec.2024.110938	Elsevier Ltd	303992		Scopus
947	Article	Lorentz K.L.; Marini A.X.; Bruk L.A.; Gupta P.; Mandal B.B.; DiLeo M.V.; Weinbaum J.S.; Little S.R.; Vorp D.A.	Mesenchymal Stem Cell-Conditioned Media-Loaded Microparticles Enhance Acute Patency in Silk-Based Vascular Grafts	2024	Bioengineering	11	9				10.3390/bioengineering11090947	Multidisciplinary Digital Publishing Institute (MDPI)	23065354	All Open Access; Gold Open Access	Scopus
948	Article	Vaswani L.K.; Chouhan B.S.; Panwar A.; Bhattacharya A.; Moin F.; Kumar G.	Single and dual-band electromagnetically induced transparency in a strongly near field coupled planar toroidal terahertz metamaterial	2024	Optics and Laser Technology	176					10.1016/j.optlastec.2024.111006	Elsevier Ltd	303992		Scopus
949	Article	Debnath S.; Ghosal S.; Meyyappan M.; Giri P.K.	A fully-printed plasmonic nanoparticle-incorporated ZnO-based UV photodetector with very high responsivity and fast response	2024	Flexible and Printed Electronics	9	3				10.1088/2058-8585/ad6332	Institute of Physics	20588585		Scopus
950	Review	Gupta A.; Bohara V.S.; Siddegowda Y.B.; Chaudhary N.; Kumar S.	Alpha-synuclein and RNA viruses: Exploring the neuronal nexus	2024	Virology	597					10.1016/j.virol.2024.110141	Academic Press Inc.	426822		Scopus
951	Article	Sur S.N.; Tran H.Q.; Imoize A.L.; Kandar D.; Nandi S.	Sum-Rate Maximization for a Hybrid Precoding-Based Massive MIMO NOMA System with Simultaneous Wireless Information and Power Transmission	2024	Telecom	5	3	823	845	22	10.3390/telecom5030042	Multidisciplinary Digital Publishing Institute (MDPI)	26734001	All Open Access; Gold Open Access	Scopus
952	Article	Kaur R.; Islam M.; Agarwal P.C.; 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	6	10.1007/s12596-023-01529-8	Springer	9728821		Scopus
953	Note	Jairath V.; Duarte A.I.B.	Concluding Remarks	2024	Journal of Developing Societies	40	3	374	376	2	10.1177/0169796X241261173	SAGE Publications Ltd	0169796X		Scopus
954	Article	Lokare N.; Sahu P.; Vairakannu P.	CO2-based spouted fluidized bed gasification of kitchen waste: Experimental investigation with process modelling	2024	Canadian Journal of Chemical Engineering	102	9	3039	3051	12	10.1002/cjce.25245	John Wiley and Sons Inc	84034		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
955	Article	Saha S.; Krishna K.V.	A branch group in a class of non-contracting weakly regular branch groups	2024	International Journal of Algebra and Computation	34	6	901	918	17	10.1142/S021819672450036X	World Scientific	2181967	All Open Access; Green Open Access	Scopus
956	Article	Chen P.; Gao L.; Li W.; Zhao J.; Garg A.; Panda B.	A topology optimization-based-novel design and comprehensive thermal analysis of a cylindrical battery liquid cooling plate	2024	Applied Thermal Engineering	252					10.1016/j.applthermaleng.2024.123747	Elsevier Ltd	13594311		Scopus
957	Article	Sarma P.J.; 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	12	10.1007/s13399-023-04265-y	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
958	Article	Deka G.; Chakraborty S.; Laishom D.; Devi M.R.; Singha S.; Yadav D.K.; Dutta H.	Development of non-nixtamalized, gluten-free, antioxidant-rich nachos from pigmented Chakhao poireiton rice	2024	Measurement: Food	15					10.1016/j.meafoo.2024.100182	Elsevier Ltd	27722759	All Open Access; Gold Open Access	Scopus
959	Note	Singh D.; Sharma S.; Das A.; Thakuria D.; Sahoo L.; Kharbikar L.L.; Samal S.; Chand G.; Bahadur A.; Shakywar R.C.	First Report of Phytopythium vexans Causing Gummosis and Root Rot of Khasi Mandarin (Citrus reticulata) in North Eastern States of India	2024	Plant Disease	108	9	2936			10.1094/PDIS-06-23-1156-PDN	American Phytopathological Society	1912917		Scopus
960	Article	Khan P.; Dutta S.	Complete synchronization of two spirals by a messenger wave in a reaction diffusion system	2024	Chaos	34	9				10.1063/5.0221188	American Institute of Physics	10541500		Scopus
961	Article	Srivastava S.; Singh P.; Barbora L.; Baruah D.; Saikia R.; Mohanty K.; Kalita P.	Performance assessment of innovative waste management system developed for the production of bio-fertilizer	2024	Sustainable Chemistry for the Environment	7					10.1016/j.scenv.2024.100148	Elsevier B.V.	29498392	All Open Access; Gold Open Access	Scopus
962	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
963	Article	Nandi P.; Debnath N.; Kala S.; Majumdar A.S.	Magnetically induced Schrödinger cat states: The shadow of a quantum space	2024	Physical Review A	110	3				10.1103/PhysRevA.110.032204	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
964	Article	Purkayastha R.; Choudhury B.J.; Mahanta P.; Suami A.; Itaya Y.; Moholkar V.S.; Kobayashi N.	Investigations in pyrolysis kinetics of sludges of different origins: chemical sludge, biological sludge and oily sludge	2024	Journal of Material Cycles and Waste Management	26	5	2754	2769	15	10.1007/s10163-024-01997-5	Springer	14384957		Scopus
965	Article	Das R.C.; Ravi T.; Khan S.; Pandey K.	Role of spontaneously transferred coherence in laser cooling	2024	Physical Review A	110	3				10.1103/PhysRevA.110.033101	American Physical Society	24699926	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
966	Review	Rathod U.H.; Saha U.K.; Kulkarni V.	Bioinspired Fluid Dynamic Designs of Vertical-Axis Turbines: State-of-the-Art Review and the Way Forward	2024	Journal of Fluids Engineering, Transactions of the ASME	146	9				10.1115/1.4064753	American Society of Mechanical Engineers (ASME)	982202		Scopus
967	Article	Vardhan H.; Sasmal S.; Mohanty K.	Saccharification and structural changes in Areca catechu husk fiber	2024	Biofuels, Bioproducts and Biorefining	18	5	1495	1510	15	10.1002/bbb.2640	John Wiley and Sons Ltd	1932104X		Scopus
968	Article	Seal A.; Natesan S.	An efficient computational technique for semilinear time-fractional diffusion equation	2024	Calcolo	61	3				10.1007/s10092-024-00604-1	Springer International Publishing	80624		Scopus
969	Article	Kumari V.; Ganguly S.	A multi-objective mixed integer linear programming approach for simultaneous optimization of cost and resilience of power distribution networks	2024	Sustainable Energy, Grids and Networks	39					10.1016/j.segan.2024.101462	Elsevier Ltd	23524677		Scopus
970	Article	Gupta R.; Chembolu V.; Marjoribanks T.I.; Dutta S.	Assessing the efficacy of hydro-ecological based wetland management approach for flood resilience of a large river catchment	2024	Journal of Hydrology	641					10.1016/j.jhydrol.2024.131761	Elsevier B.V.	221694	All Open Access; Hybrid Gold Open Access	Scopus
971	Article	Baruah K.N.; Nagaoka S.; Banno A.; Singha S.; Uppaluri R.V.S.	Nano-encapsulation of epigallocatechin gallate using starch nanoparticles: Characterization and insights on in vitro micellar cholesterol solubility	2024	Journal of Food Science	89	9	5701	5711	10	10.1111/1750-3841.17260	John Wiley and Sons Inc	221147		Scopus
972	Article	Sonowal D.; Sharma A.; Sarmah K.; Upadhaya D.; Kumar S.; Kaur H.	Aetiological profile of acute encephalitis syndrome in Assam, India, during a 4-year period from 2019 to 2022	2024	APMIS	132	9	638	645	7	10.1111/apm.13443	John Wiley and Sons Inc	9034641		Scopus
973	Article	Patel H.K.; Kumar B.	Optimal spur dike orientation for scour mitigation under downward seepage conditions	2024	Journal of Hydrology and Hydromechanics	72	3	386	397	11	10.2478/johh-2024-0019	Sciendo	0042790X	All Open Access; Gold Open Access	Scopus
974	Review	Chettri D.; Verma A.K.; Verma A.K.	Nanotechnology as an Emerging Innovation: Sources, Application in a Sustainable Agriculture and Environmental Analysis	2024	BioNanoScience	14	3	3660	3678	18	10.1007/s12668-024-01526-6	Springer	21911630		Scopus
975	Article	Anand A.; Kumar K.; Khaire K.C.; Roy K.; Moholkar V.S.	Ultrasound-assisted hydrolysis of food waste using glucoamylase: Statistical optimization and mechanistic analysis with molecular simulations	2024	Bioresource Technology Reports	27					10.1016/j.biteb.2024.101932	Elsevier Ltd	2589014X	All Open Access; Green Open Access	Scopus
976	Article	Kumar P.; Tiwari R.	Additive fault diagnosis techniques in rotor systems: a state-of-the-art review	2024	Sadhana - Academy Proceedings in Engineering Sciences	49	3				10.1007/s12046-024-02543-7	Springer	2562499		Scopus
977	Article	Sarkar P.; Barnwal N.; Nandi N.; Sahu K.	Ethanol and Gd3+ activated aggregation induced delayed fluorescence in copper nanoclusters for detection of Cr(VI)	2024	Materials Today Chemistry	40					10.1016/j.mtchem.2024.102254	Elsevier Ltd	24685194		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
978	Article	Jain S.; Bora S.N.	Impact of a vertical porous barrier in the reflection of water waves and mitigation of wave forces on a rigid floating structure in the presence of an elevated bottom and a trench	2024	European Journal of Mechanics, B/Fluids	107		29	39	10	10.1016/j.euromechflu.2024.06.003	Elsevier Ltd	9977546		Scopus
979	Article	Rani A.; Lal A.S.; Saravanan P.	Bismuth niobate/g-C3N4 heterojunction for maximised visible light photocatalytic removal of Bisphenol A	2024	Chemosphere	364					10.1016/j.chemosphere.2024.143198	Elsevier Ltd	456535		Scopus
980	Review	Jayaprakash G.K.; Mohanty K.	Advanced Electrochemical Detection of Tetrabromobisphenol A and Hexabromocyclododecane via Modified Carbon Electrodes with Inorganic Nanoparticles: A Short Review	2024	Electrochem	5	3	314	329	15	10.3390/electrochem5030020	Multidisciplinary Digital Publishing Institute (MDPI)	26733293	All Open Access; Gold Open Access	Scopus
981	Article	Khatua A.; Chakrabarty S.P.	Outbreak or extinction of TB: insights in presence of chemoprophylaxis using CTMC approach	2024	European Physical Journal Plus	139	9				10.1140/epjp/s13360-024-05579-0	Springer Science and Business Media Deutschland GmbH	21905444		Scopus
982	Editorial	Sadhu P.K.; Mondal P.K.; Acharjee D.	Preface of ESDA2022	2024	Microsystem Technologies	30	9	1063			10.1007/s00542-024-05695-y	Springer Science and Business Media Deutschland GmbH	9467076	All Open Access; Hybrid Gold Open Access	Scopus
983	Article	Roy R.; Mishra A.K.	Organoclay Amended Bentonite for Enhanced Barrier Performance under Lead (II) Permeation	2024	Environmental Processes	11	3				10.1007/s40710-024-00727-1	Springer Science and Business Media Deutschland GmbH	21987491		Scopus
984	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
985	Article	Mehta S.K.; Kumar D.; Mondal P.K.; Wongwises S.	Characterization of thermal-hydraulics in wavy solar power plant: effect of thermal dispersion	2024	Microsystem Technologies	30	9	1067	1078	11	10.1007/s00542-023-05507-9	Springer Science and Business Media Deutschland GmbH	9467076		Scopus
986	Article	Bhattacharya S.; Khanra P.K.; Dutta A.; Gupta N.; Aliakbar Tehrani Z.; Severová L.; ŠrédI K.; Dvořák M.; Fernández-Cusimamani E.	Computational Screening of T-Muurolol for an Alternative Antibacterial Solution against Staphylococcus aureus Infections: An In Silico Approach for Phytochemical-Based Drug Discovery	2024	International Journal of Molecular Sciences	25	17				10.3390/ijms25179650	Multidisciplinary Digital Publishing Institute (MDPI)	16616596	All Open Access; Gold Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
987	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
988	Article	Saha S.; Bose B.; Garg A.; Parthiv Chandra K.; Zhao J.; Panda B.; Gao L.	A topology optimization for design of double input-single output battery module liquid cooling plate with improved thermal performance	2024	Journal of Energy Storage	97					10.1016/j.est.2024.112750	Elsevier Ltd	2352152X		Scopus
989	Article	Kaushik S.; Kumar S.; Siddagangaiah A.K.	Experimental and numerical based model formulation for estimation of subgrade resilient modulus using the repeated load CBR test considering in situ state of stress	2024	Transportation Geotechnics	48					10.1016/j.trgeo.2024.101331	Elsevier Ltd	22143912		Scopus
990	Article	Raj R.; Jiyalal Prajapati M.; Tsai J.-T.; Kumar A.; Jeng J.-Y.	Design and additive manufacturing of novel hybrid lattice metamaterial for enhanced energy absorption and structural stability	2024	Materials and Design	245					10.1016/j.matdes.2024.113268	Elsevier Ltd	2641275	All Open Access; Gold Open Access	Scopus
991	Article	Bhattacharya S.; Dey A.; Lahiri J.; Mukhopadhaya B.	High scale validity of two-Higgs-doublet scenarios with a real scalar singlet dark matter	2024	Physical Review D	110	5				10.1103/PhysRevD.110.055034	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
992	Article	Saha A.; Kulkarni N.D.; Kumari P.	Development of Bambusa tulda fiber-micro particle reinforced hybrid green composite: A sustainable solution for tomorrow's challenges in construction and building engineering	2024	Construction and Building Materials	441					10.1016/j.conbuildmat.2024.137486	Elsevier Ltd	9500618		Scopus
993	Article	Thombre A.V.; Kundu D.	UNIQUAC-ext-PDH* Framework for the Ionic Liquid Assisted Extraction of Gallium (III)	2024	Journal of Solution Chemistry	53	9	1149	1170	21	10.1007/s10953-024-01365-9	Springer	959782		Scopus
994	Article	Akasapu K.; Uppaluri R.V.S.	Role of score-deviation, hedonic and fuzzy logic sensory approaches for the development and identification of optimal vegetable mix soups	2024	International Journal of Gastronomy and Food Science	37					10.1016/j.ijgfs.2024.100982	AZTI-Tecnalia	1878450X		Scopus
995	Article	Sehrawat D.; Bhattacharjya B.	On the rna number of generalized Petersen graphs	2024	Communications in Combinatorics and Optimization	9	3	451	466	15	10.22049/CCO.2023.27973.1408	Azarbaijan Shahid Madani University	25382128		Scopus
996	Article	Pratap Singh A.; Baruah J.B.	Lithium(I), Cesium(I), Barium(II) and Cadmium (II) [2-(2,6-dichlorophenylamino)phenyl]acetate (diclofenac) complexes and coordination polymers	2024	Inorganica Chimica Acta	569					10.1016/j.ica.2024.122131	Elsevier B.V.	201693		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
997	Article	Sahoo K.K.; Das D.	Enhanced methanol production from recycled methanotrophic biomass and its effect on the emission and performance characteristics of a four-stroke compression ignition engine	2024	Fuel	371					10.1016/j.fuel.2024.132142	Elsevier Ltd	162361		Scopus
998	Article	Sun N.; Singh H.K.; Ravi S.; Dobbidi P.	Impacts of diffusive ion migration on ferroelectric properties in BaTiO3 composite	2024	Journal of Physics D: Applied Physics	57	33				10.1088/1361-6463/ad4b34	Institute of Physics	223727		Scopus
999	Article	Manda S.S.; Arfa N.; Sharma N.; Parikh A.R.; Roberts T.J.; Limaye S.; Ramachandran V.; Prabhash K.; Kuriakose M.A.; Kumar P.	Genomic landscape of head and neck cancer in Asia: A comprehensive meta-analysis of 1016 samples	2024	Oral Oncology Reports	11					10.1016/j.oor.2024.100628	Elsevier Ltd	27729060	All Open Access; Gold Open Access	Scopus
1000	Article	Pankaj P.; Biswas P.; Kim D.	Computational fluid dynamics based multi-species transport simulation of auxiliary energy systems for friction stir welding of dissimilar materials	2024	CIRP Journal of Manufacturing Science and Technology	52		188	211	23	10.1016/j.cirpj.2024.05.015	Elsevier Ltd	17555817		Scopus
1001	Article	Sarkar T.; Vignesh S.R.; Sehgal T.; Ronima K.R.; Thummer R.P.; Satpati P.; Chatterjee S.	Development of protease resistant and non-cytotoxic Jelleine analogs with enhanced broad spectrum antimicrobial efficacy	2024	Biochimica et Biophysica Acta - Biomembranes	1866	6				10.1016/j.bbamem.2024.184336	Elsevier B.V.	52736		Scopus
1002	Article	Nongthombam R.; Dewan U.; Sarma A.K.	Generation of a bipartite mechanical cat state by performing projective Bell-state measurement on a pair of superconducting qubits	2024	Physical Review A	110	2				10.1103/PhysRevA.110.023726	American Physical Society	24699926		Scopus
1003	Article	Ghosh S.; Khandelia T.; Mahadevan A.; Panigrahi P.; Kumar P.; Mandal R.; Boruah D.; Venkataramani S.; Patel B.K.	Photo-Induced Generation of Oxygenated Quaternary Centers via EnT Enabled Singlet O2 Addition to C3-Maleimidated Quinoxaline: A Reagent-Less Approach	2024	Chemistry - A European Journal	30	45				10.1002/chem.202400219	John Wiley and Sons Inc	9476539		Scopus
1004	Review	Verma S.K.; Tyagi V.; Sonika N.; Dutta T.; Mishra S.K.	Flexible and wearable electronic systems based on 2D hydrogel composites	2024	Analytical Methods	16	37	6300	6322	22	10.1039/d4ay01124d	Royal Society of Chemistry	17599660		Scopus
1005	Article	Maharana D.; Kommadath R.; Kotecha P.	A multi-unit model for the biorefinery supply chain focusing on capacity planning for the processing units	2024	Biomass Conversion and Biorefinery	14	16	19335	19348	13	10.1007/s13399-024-05755-3	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1006	Review	Das P.P.; Dhara S.; Samanta N.S.; Purkait M.K.	Advancements on ozonation process for wastewater treatment: A comprehensive review	2024	Chemical Engineering and Processing - Process Intensification	202					10.1016/j.cep.2024.109852	Elsevier B.V.	2552701		Scopus
1007	Article	Aneesha U.; Das S.; Katoch T.B.; Nandi A.	Long-term wide-band spectrotemporal studies of outbursting black hole candidate sources GX 339–4 and H 1743–322: AstroSat and NuSTAR results	2024	Monthly Notices of the Royal Astronomical Society	532	4	4486	4510	24	10.1093/mnras/stae1753	Oxford University Press	358711	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1008	Article	Halder D.; Basu S.	Parsing skin effect in a non-Hermitian spinless BHZ-like model	2024	Journal of Physics Condensed Matter	36	33				10.1088/1361-648X/ad4940	Institute of Physics	9538984	All Open Access; Green Open Access	Scopus
1009	Article	Ghose A.; Nuzelu V.; Gupta D.; Kimoto H.; Takashima S.; Harlin E.W.; SS S.; Ueda H.; Koketsu M.; Rangan L.; Mitra S.	Micropollutants (ciprofloxacin and norfloxacin) remediation from wastewater through laccase derived from spent mushroom waste: Fate, toxicity, and degradation	2024	Journal of Environmental Management	366					10.1016/j.jenvman.2024.121857	Academic Press	3014797		Scopus
1010	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	20	10.1007/s40964-023-00485-w	Springer Science and Business Media Deutschland GmbH	23639512		Scopus
1011	Article	Sarma P.J.; Malakar B.; Mohanty K.	Self-sustaining bioelectricity generation in plant-based microbial fuel cells (PMFCs) with microalgae-assisted oxygen-reducing biocathode	2024	Biomass Conversion and Biorefinery	14	15	16973	16986	13	10.1007/s13399-023-03848-z	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1012	Article	Dhara S.; Sontakke A.D.; Shekhar Samanta N.; Venkata Sai Uppaluri R.; Purkait M.K.	Biowaste-alkaline lignin and GO integrated polysulfone ultrafiltration membrane fabrication for Pb2+ and Eosin Y dye removal	2024	Separation and Purification Technology	341					10.1016/j.seppur.2024.126894	Elsevier B.V.	13835866		Scopus
1013	Article	Pottipati S.; Haq I.; Kalamdhad A.S.	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	14	10.1007/s13399-023-04050-x	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1014	Article	Mukherjee S.; Borah P.P.; Bhattacharyya K.; Biswas S.	Postsynthetically Modified Cationic, Robust MOF Featuring Selective Separation of Carboxylate-Containing Pharmaceutical Drugs from Water at Neutral pH: Elucidation of the Adsorption Mechanism by Theory and Experiments	2024	Inorganic Chemistry	63	33	15421	15432	11	10.1021/acs.inorgchem.4c02439	American Chemical Society	201669		Scopus
1015	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	17	10.1007/s11665-023-08507-y	Springer	10599495		Scopus
1016	Article	Borah B.; Gupta A.; Singhal V.; Kaushik H.B.	Design of tie-columns in confined masonry structures for lateral loads	2024	Earthquake Spectra	40	3	2116	2136	20	10.1177/87552930241246148	SAGE Publications Inc.	87552930		Scopus
1017	Article	Pan S.; Pati S.; Kirkland S.	Dominant eigenvalue and universal winners of digraphs	2024	Linear Algebra and Its Applications	695		79	106	27	10.1016/j.laa.2024.04.033	Elsevier Inc.	243795		Scopus
1018	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

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1019	Article	Bhowmik A.; Barman R.	Cliques of Orders Three and Four in the Paley-Type Graphs	2024	Graphs and Combinatorics	40	4				10.1007/s00373-024-02809-1	Springer	9110119		Scopus
1020	Article	Laxmi H.; Saikia A.	Z2-extension of real quadratic fields with Z/2Z as 2-class group at each layer	2024	Ramanujan Journal	64	4	1285	1301	16	10.1007/s11139-024-00869-8	Springer	13824090		Scopus
1021	Review	Hegde M.; Girisa S.; Aswani B.S.; Alqahtani M.S.; Abbas M.; Sethi G.; Kunnumakkara A.B.	Harnessing potential role of gangliosides in immunomodulation and cancer therapeutics	2024	Life Sciences	351					10.1016/j.lfs.2024.122786	Elsevier Inc.	243205		Scopus
1022	Article	Kumar M.; Mondal P.K.	Electrically actuated peristaltic transport of viscoelastic fluid: a theoretical analysis	2024	Microfluidics and Nanofluidics	28	8				10.1007/s10404-024-02742-y	Springer Science and Business Media Deutschland GmbH	16134982		Scopus
1023	Article	Deka D.; Patwa D.; Nair A.M.; Ravi K.	Influence of biochar amendment on removal of heavy metal from soils using phytoremediation by Catharanthus roseus L. and Chrysopogon zizanioides L.	2024	Environmental Science and Pollution Research	31	40	53552	53569	17	10.1007/s11356-024-34734-4	Springer	9441344	All Open Access; Green Open Access	Scopus
1024	Article	Adhikari P.; Borah A.; Das A.	Chromium-catalysed selective synthesis of 3-oxo and 3-amino quinolines using β -O-4' lignin models or α -amino ketones	2024	Organic Chemistry Frontiers	11	19	5454	5461	7	10.1039/d4qo01089b	Royal Society of Chemistry	20524110		Scopus
1025	Article	Choudhry N.K.; Nguyen T.K.; Nguyen Van V.; Panda B.; Tran P.	Auxetic lattice reinforcement for tailored mechanical properties in cementitious composite: Experiments and modelling	2024	Construction and Building Materials	438					10.1016/j.conbuildmat.2024.137252	Elsevier Ltd	9500618		Scopus
1026	Article	Sarkar S.; De A.K.	Vortex-shedding modes of a pair of side-by-side thin pitching plates	2024	Physics of Fluids	36	8				10.1063/5.0226616	American Institute of Physics	10706631		Scopus
1027	Article	Chattopadhyay A.; Hong G.; Pradhan C.; Ray S.K.	On isometric embeddability of Sminto Snpas non-commutative quasi-Banach spaces	2024	Proceedings of the Royal Society of Edinburgh Section A: Mathematics	154	4	1180	1203	23	10.1017/prm.2023.54	Cambridge University Press	3082105		Scopus
1028	Article	Majumder S.; Chatterjee R.; Jayasurya K.M.; Das S.; Nandi A.	First Detection of X-Ray Polarization in Galactic Ultraluminous X-Ray Pulsar Swift J0243.6+6124 with IXPE	2024	Astrophysical Journal Letters	971	1				10.3847/2041-8213/ad67e5	American Astronomical Society	20418205	All Open Access; Gold Open Access	Scopus
1029	Article	Maji S.; Natesan S.	Error analysis for discontinuous Galerkin method for time-fractional Burgers' equation	2024	Mathematical Methods in the Applied Sciences	47	12	9703	9717	14	10.1002/mma.10089	John Wiley and Sons Ltd	1704214		Scopus
1030	Article	Verma S.; Ravi S.	Insights into crystal structure, temperature-dependent magnetization and dielectric relaxation mechanism in Bi substituted samarium iron garnet	2024	Solid State Sciences	154					10.1016/j.solidstatesciences.2024.107629	Elsevier Masson s.r.l.	12932558		Scopus
1031	Article	Changmai R.R.; Daimari S.R.; Yadav A.K.; Sarma M.	Atmospheric oxidation pathways of CF3CH2CFCl2 (HCFC-234fb) with OH-radicals and Cl-atoms: insights into the mechanism, thermodynamics, and kinetics	2024	Physical Chemistry Chemical Physics	26	35	23363	23371	8	10.1039/d4cp01643b	Royal Society of Chemistry	14639076		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1032	Article	Kumar A.; Muthu N.; Ganesh Narayanan R.	Prediction of peel strength of sandwich sheets made of aluminium alloys fabricated by friction stir spot welding based hybrid process using cohesive zone modeling and finite element simulations	2024	Engineering Failure Analysis	162					10.1016/j.engfailanal.2024.108381	Elsevier Ltd	13506307		Scopus
1033	Article	Ojha S.; Jangid N.; Shelke A.; Habib A.	Probabilistic impact localization in composites using wavelet scattering transform and multi-output Gaussian process regression	2024	Measurement: Journal of the International Measurement Confederation	236					10.1016/j.measurement.2024.115078	Elsevier B.V.	2632241		Scopus
1034	Article	Konwar R.J.; Singh S.B.; De M.	Nickel dispersed microporous and mesoporous templated carbons for atmospheric hydrogen adsorption	2024	Materials Chemistry and Physics	322					10.1016/j.matchemphys.2024.129536	Elsevier Ltd	2540584		Scopus
1035	Article	Bora B.R.; Nath N.; Dey M.; Saha K.; Raidongia K.	Assembly of Natural Clay Minerals as Highly Robust Evaporation-Driven Power Generator	2024	ACS Applied Energy Materials	7	15	6507	6514	7	10.1021/acsaem.4c01184	American Chemical Society	25740962		Scopus
1036	Article	Das M.; Bhattacharjya R.K.; Kartha S.A.	Estimation of virus transport parameters in both unsaturated-saturated zone using numerical simulation and flower pollination algorithm	2024	Groundwater for Sustainable Development	26					10.1016/j.gsd.2024.101183	Elsevier B.V.	2352801X		Scopus
1037	Article	Koley S.; Rao K.B.; Khwairakpam M.; Kalamdhad A.S.	Identification and assessment of Critical parameters affecting drinking water quality: A case study of water treatment plants of India	2024	Groundwater for Sustainable Development	26					10.1016/j.gsd.2024.101221	Elsevier B.V.	2352801X		Scopus
1038	Review	Behera B.K.; Ghosh P.; Saikia A.K.	Recent advances in the synthesis of N-heterocycles via Lewis acid-catalyzed/mediated cyclization of propargyl- and homopropargyl- amines and their derivatives	2024	Tetrahedron	162					10.1016/j.tet.2024.134123	Elsevier Ltd	404020		Scopus
1039	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	8	10.1007/s40964-023-00509-5	Springer Science and Business Media Deutschland GmbH	23639512		Scopus
1040	Article	Basumatary S.; Goswami P.; Kalita P.	Impact of coconut husk biochar on methane production rate in batch type anaerobic digester fed with cattle dung and cooked kitchen waste	2024	Biomass and Bioenergy	187					10.1016/j.biombioe.2024.107300	Elsevier Ltd	9619534		Scopus
1041	Article	Kumar K.; Kumar S.; Goswami A.; Moholkar V.S.	Advancing sustainable biofuel production: A computational insight into microbial systems for isopropanol synthesis and beyond	2024	Process Safety and Environmental Protection	188		1118	1132	14	10.1016/j.psep.2024.06.024	Institution of Chemical Engineers	9575820		Scopus
1042	Article	Thejaswini N.; Annapureddy P.K.R.; Kishore N.	Non-isothermal Thermogravimetric Analysis of Peltophorum pterocarpum and Evaluation of Kinetic Triplet	2024	Chemical Engineering and Technology	47	8	1135	1147	12	10.1002/ceat.202300487	John Wiley and Sons Inc	9307516		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1043	Article	Mir N.U.D.; Hossain S.S.; Biswas S.	A Recyclable Luminescent MOF Sensor for On-Site Detection of Insecticide Dinotefuran and Anti-Parkinson's Drug Entacapone in Various Environmental and Biological Specimens	2024	Chemistry - An Asian Journal	19	15				10.1002/asia.202400377	John Wiley and Sons Ltd	18614728		Scopus
1044	Article	Ghatak R.; Kipgen N.	Agriculture, Livelihood and Vulnerability: A Case Study of the Char Dwellers in Bankura District, West Bengal	2024	Indian Journal of Human Development	18	2	280	290	10	10.1177/09737030241280132	Sage Publications India Pvt. Ltd	9737030		Scopus
1045	Article	Mitra S.; Das S.	Low-angular-momentum General Relativistic Magnetohydrodynamic Accretion Flows around Rotating Black Holes with Shocks	2024	Astrophysical Journal	971	1				10.3847/1538-4357/ad55cb	Institute of Physics	0004637X	All Open Access; Gold Open Access	Scopus
1046	Article	Chutia A.; Arandhara P.J.; Saikia A.K.	Synthesis of Highly π -Extended Dihydrobenzo[a]indenocarbazole Scaffolds via Tandem Benzannulation and Friedel-Crafts Reaction of 2-Alkynylanilines and 2-Alkynylbenzaldehydes Promoted by Lewis Acid	2024	Journal of Organic Chemistry	89	16	11542	11557	15	10.1021/acs.joc.4c01245	American Chemical Society	223263		Scopus
1047	Article	Borah D.; Das S.J.; Saha I.	Dark matter from phase transition generated PBH evaporation with gravitational waves signatures	2024	Physical Review D	110	3				10.1103/PhysRevD.110.035014	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1048	Article	Karmakar R.; Maity D.	Sonofermionescence: fermions from ringing bubble of sonoluminescence	2024	European Physical Journal Plus	139	8				10.1140/epjp/s13360-024-05494-4	Springer Science and Business Media Deutschland GmbH	21905444	All Open Access; Green Open Access	Scopus
1049	Article	Kumar R.; Singh R.; Patel M.	Impact of variations in the molarity of sodium hydroxide on metakaolin-ground granular blast-furnace slag-based geopolymers concrete	2024	Advances in Civil and Architectural Engineering	15	29	46	66	20	10.13167/2024.29.4	Faculty of Civil Engineering and Architecture Osijek	29753848		Scopus
1050	Article	Yadav D.; Das Adhikari R.; Baishya H.; Patel M.J.; Iyer P.K.	Enhancing the efficiency and stability of inverted perovskite solar cells by using 6-(trifluoromethyl)nicotinic acid as a potent defect passivator	2024	Journal of Materials Chemistry C	12	36	14561	14571	10	10.1039/d4tc02432j	Royal Society of Chemistry	20507526		Scopus
1051	Review	Sajeev A.; Sailo B.; Unnikrishnan J.; Talukdar A.; Alqahtani M.S.; Abbas M.; Alqahtani A.; Sethi G.; Kunnumakkara A.B.	Unlocking the potential of Berberine: Advancing cancer therapy through chemosensitization and combination treatments	2024	Cancer Letters	597					10.1016/j.canlet.2024.217019	Elsevier Ireland Ltd	3043835		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1052	Article	Vanarse V.; Ravi B.; De S.; Dubey S.; Bandyopadhyay D.	Controlled Micro–Nano-Scale Droplet Generation via Spin Dewetting	2024	Processes	12	8				10.3390/pr12081562	Multidisciplinary Digital Publishing Institute (MDPI)	22279717	All Open Access; Gold Open Access	Scopus
1053	Article	Sivakumar P.; Ganesh P.S.K.P.; Muthuraja P.; Bharanidharan S.; Anandhan B.; Rajamohan R.; Kamatchi S.	Rh(iii)-catalyzed [4+1] annulation of a sulfoxonium ylide with allyl alkyl ethers: a detailed theoretical study of the anti-inflammatory and antidiabetic activities with DFT	2024	New Journal of Chemistry	48	36	15989	15999	10	10.1039/d4nj03140g	Royal Society of Chemistry	11440546		Scopus
1054	Review	Misra R.; Bhuyan H.J.; Dutta A.; Bhabak K.P.	Recent Developments On Activatable Turn-On Fluorogenic Donors of Hydrogen Sulfide (H2S)	2024	ChemMedChem	19	16				10.1002/cmdc.202400251	John Wiley and Sons Ltd	18607179		Scopus
1055	Article	Das M.; Buragohain M.; Nandi S.	Distributed neighbor discovery with mobility adaptive probing for beyond 5G D2D communications	2024	Computer Networks	250					10.1016/j.comnet.2024.110574	Elsevier B.V.	13891286		Scopus
1056	Article	Sekar P.K.; Rengan R.; Sundarraman B.	NNO Pincer-Supported Pd(II)-Catalyzed Reductive N-Alkylation of Challenging Nitroarenes with Alcohols via Borrowing Hydrogen Strategy	2024	Journal of Organic Chemistry	89	16	11161	11172	11	10.1021/acs.joc.4c00621	American Chemical Society	223263		Scopus
1057	Article	Sahu A.; Singha A.; Qureshi M.	Interplay of Capacitive and Diffusion Contributions in Redox Active Complex Metal Oxide Rods Channelled into MXene for Improved Charge Transfer Dynamics	2024	ACS Applied Energy Materials	7	15	6062	6070	8	10.1021/acsaem.4c01124	American Chemical Society	25740962		Scopus
1058	Article	Sikha S.; Mandal B.	Cerium-based metal–organic-frameworks with ligand tuning of the microstructures for fluoride adsorption: linear and nonlinear kinetic and isotherm adsorption models	2024	Environmental Science and Pollution Research	31	40	53253	53269	16	10.1007/s11356-024-34729-1	Springer	9441344		Scopus
1059	Article	Hassan S.; Rezaei Z.; Luna E.; Yilmaz-Aykut D.; Lee M.C.; Perea A.M.; Jamaiyar A.; Bassous N.; Hirano M.; Tourk F.M.; Choi C.; Becker M.; Yazdi I.; Fan K.; Avila-Ramirez A.E.; Ge D.; Abdi R.; Fisch S.; Leijten J.; Feinberg M.W.; Mandal B.B.; Liao R.; Shin S.R.	Injectable Self-Oxygenating Cardio-Protective and Tissue Adhesive Silk-Based Hydrogel for Alleviating Ischemia After Mi Injury	2024	Small	20	32				10.1002/sml.202312261	John Wiley and Sons Inc	16136810		Scopus
1060	Article	Paul S.; Das M.; Datta S.; Chakraborty R.; Mandal P.; Giri P.K.	Introducing antiferromagnetic ordering on the surface states of a Bi2Se3 topological insulator by europium doping	2024	Journal of Materials Chemistry C	12	38	15565	15577	12	10.1039/d4tc02226b	Royal Society of Chemistry	20507526	All Open Access; Green Open Access	Scopus
1061	Article	Mahana M.M.; Davuluri S.; Dey T.N.	Coherent population transfer with polariton states in circuit QED	2024	Physical Review A	110	2				10.1103/PhysRevA.110.023716	American Physical Society	24699926	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1062	Article	Patra S.; Golder A.K.; Uppaluri R.V.S.	Green synthesis of carbon dots from mature green tea leaves for label-free fluorescence sensing of chromium(VI)	2024	Optical Materials	154					10.1016/j.optmat.2024.115767	Elsevier B.V.	9253467		Scopus
1063	Article	Bhakat A.; Dey U.; Chattopadhyay A.	Room-Temperature Persistent Phosphorescence of Aggregated Gold Nanoclusters under Molecular Crystal Confinements	2024	Journal of Physical Chemistry Letters	15	32	8151	8160	9	10.1021/acs.jpcllett.4c01352	American Chemical Society	19487185		Scopus
1064	Article	Borah R.; Mattaparthi V.S.K.; 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	18	10.1007/s10953-024-01367-7	Springer	959782		Scopus
1065	Article	Karim G.M.; Patra A.; Deb S.K.; Upadhya H.; Das S.; Mukherjee P.; Ahmad W.; Barman N.; Thapa R.; Dambhare N.V.; Rath A.K.; Das J.; Manna U.; Urkude R.R.; Oh Y.; Maiti U.N.	Transient Electro-Graphitization of MOFs Affecting the Crystallization of Ruthenium Nanoclusters for Highly Efficient Hydrogen Evolution	2024	Advanced Functional Materials	34	32				10.1002/adfm.202315460	John Wiley and Sons Inc	1616301X		Scopus
1066	Article	Haque M.; Chutia J.; Mondal A.; Quraishi S.; Kumari K.; Marboh E.W.M.; Aguan K.; Singha Roy A.	Formation of CdTe core and CdTe@ZnTe core-shell quantum dots via hydrothermal approach using dual capping agents: deciphering the food dye sensing and protein binding applications	2024	Physical Chemistry Chemical Physics	26	35	22941	22958	17	10.1039/d4cp02225d	Royal Society of Chemistry	14639076		Scopus
1067	Article	Kundu A.; Gupta N.; Kalamdhad A.S.	Optimization and kinetic analysis of electrocoagulation-assisted adsorption for treatment of young landfill leachate	2024	Journal of Environmental Management	366					10.1016/j.jenvman.2024.121779	Academic Press	3014797		Scopus
1068	Article	Balasubramani N.; Prasad M.G.P.; Natesan S.	Fractal quintic spline solutions for singularly perturbed reaction-diffusion boundary-value problems	2024	Applied Numerical Mathematics	202		89	99	10	10.1016/j.apnum.2024.04.015	Elsevier B.V.	1689274		Scopus
1069	Article	Banerjee A.; Dhal M.K.; Madhu K.; Chah C.N.; Rattan B.; Katiyar V.; Sekharan S.; Sarmah A.K.	Landfill-mined soil-like fraction (LMSF) use in biopolymer composting: Material pre-treatment, bioaugmentation and agricultural prospects	2024	Environmental Pollution	355					10.1016/j.envpol.2024.124255	Elsevier Ltd	2697491	All Open Access; Hybrid Gold Open Access	Scopus
1070	Review	Hossain M.T.; Jena T.; Giri P.K.	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/sstr.202300511	John Wiley and Sons Inc	26884062	All Open Access; Gold Open Access	Scopus
1071	Article	Kumar R.; De M.	Enhanced Bioremediation of Commercial Diesel Contamination by Mixed Culture of Newly Isolated Providencia vermicola IITG20 and Pseudomonas aeruginosa IITG21 from Local Refinery Waste	2024	International Journal of Environmental Research	18	4				10.1007/s41742-024-00613-6	Springer Science and Business Media Deutschland GmbH	17356865		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1072	Article	Lahiri S.; Basu S.	Quasiperiodic potential induced corner states in a quadrupolar insulator	2024	Physical Review B	110	7				10.1103/PhysRevB.110.075422	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
1073	Article	Patra A.K.; Roy A.; Gomila R.M.; Kundu S.; Srimayee S.; Halder D.; Saha R.; Lee C.-H.; Hossain M.; Frontera A.; Manna D.; Saha I.	Binding of Linear Anions and Formation of Anion Encapsulated Dimeric Capsular Assembly by Cis-5,15-bis(3,5-trifluoromethylphenyl)calix[4]pyrrole	2024	European Journal of Organic Chemistry	27	29				10.1002/ejoc.202400217	John Wiley and Sons Inc	1434193X		Scopus
1074	Article	Singh H.; Skoulatos M.; Joshi D.C.; Pramanik P.; Roy-Chowdhury M.; Ghosh S.; Jena S.K.; Dey J.K.; Thota S.	Magnetic exchange interactions and non-Debye relaxation in spin-3/2 frustrated Kagomé magnet Co3V2O8	2024	Journal of Physics Condensed Matter	36	31				10.1088/1361-648X/ad4223	Institute of Physics	9538984		Scopus
1075	Article	Maurya A.K.; Yadav M.; Maurya P.; Fatima A.; Yadav D.	UV-resistant gellan gum film reinforced with chitosan nanoparticle for eco-friendly packaging	2024	Emergent Materials	7	4	1911	1925	14	10.1007/s42247-024-00674-5	Springer Nature	25225731		Scopus
1076	Article	Wani K.M.; Uppaluri R.V.S.	Efficacy of ionic gelation based encapsulation of bioactives from papaya leaf extract: characterization and storage stability	2024	Biomass Conversion and Biorefinery	14	16	19911	19928	17	10.1007/s13399-023-03956-w	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1077	Article	Singh S.; Singh A.; Kapil S.; Das M.	Generation of continuous and sparse space filling toolpath with tailored density for additive manufacturing of biomimetics	2024	CAD Computer Aided Design	173					10.1016/j.cad.2024.103718	Elsevier Ltd	104485		Scopus
1078	Article	Naorem D.; Singh S.R.; Sarmah P.	Improving linear orthogonal mapping based cross-lingual representation using ridge regression and graph centrality	2024	Computer Speech and Language	87					10.1016/j.csl.2024.101640	Academic Press	8852308		Scopus
1079	Article	Neog S.; Vinjamuri S.R.; Vijayan K.; Kumar S.; Trivedi V.	NDV targets the invasion pathway in malaria parasite through cell surface sialic acid interaction	2024	FASEB Journal	38	15				10.1096/fj.202400004RR	John Wiley and Sons Inc	8926638	All Open Access; Bronze Open Access	Scopus
1080	Article	Kuri P.R.; Goswami P.	Reverse vaccinology-based multi-epitope vaccine design against Indian group A rotavirus targeting VP7, VP4, and VP6 proteins	2024	Microbial Pathogenesis	193					10.1016/j.micpath.2024.106775	Academic Press	8824010		Scopus
1081	Article	Daimari S.R.; Changmai R.R.; Sarma M.	Investigating the Atmospheric Fate and Kinetics of OH Radical-Initiated Oxidation Reactions for Epoxybutane Isomers: Theoretical Insight	2024	Journal of Physical Chemistry A	128	30	6240	6253	13	10.1021/acs.jpca.4c00379	American Chemical Society	10895639		Scopus
1082	Article	Agarwal K.; Ojha S.; Dalmo R.A.; Seternes T.; Shelke A.; Melandsø F.; Habib A.	Uncertainty analysis of Altantic salmon fish scale's acoustic impedance using 30 MHz C-Scan measurements	2024	Ultrasonics	142					10.1016/j.ultras.2024.107360	Elsevier B.V.	0041624X	All Open Access; Hybrid Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1083	Article	Shit A.; Bora S.N.	Incorporation of concentration gradient of blood nutrients in Erythrocyte Sedimentation Rate fractional model with non-zero uniform average blood velocity	2024	Mathematical Methods in the Applied Sciences	47	12	10334	10350	16	10.1002/mma.10125	John Wiley and Sons Ltd	1704214		Scopus
1084	Article	Chhetry G.; Gooh Pattader P.S.	Effect of patterns on Polyacrylamide hydrogel surface towards enhancement of water retention	2024	Polymer	308					10.1016/j.polymer.2024.127362	Elsevier Ltd	323861		Scopus
1085	Review	Basak M.; Das G.	Fluorescent Sensors for Tetracycline Detection in Aqueous Medium: A Mini-Review	2024	Chemistry - An Asian Journal	19	15				10.1002/asia.202400406	John Wiley and Sons Ltd	18614728		Scopus
1086	Article	Poonia A.; Chakrabarty S.P.	Dynamics of a multi-strain HIV/AIDS epidemic model with treatment and its adherence	2024	European Physical Journal Plus	139	8				10.1140/epjp/s13360-024-05566-5	Springer Science and Business Media Deutschland GmbH	21905444		Scopus
1087	Article	Rana A.; Ghosh S.; Patel A.; Das A.; Bhunia A.; Manna D.; Volkmer D.; Biswas S.	Superhydrophobic Metal-Organic Framework-Based Composite Featuring Removal of Hydrophobic Drugs and Pesticides and Antibacterial Activities	2024	Inorganic Chemistry	63	33	15311	15322	11	10.1021/acs.inorgchem.4c02005	American Chemical Society	201669		Scopus
1088	Article	Rahman P.; Chakraborty N.; Patel B.K.; Rajbongshi K.K.	Iodine-Promoted Sulfoximide of Cinnamic Acids via Oxidative C=C Bond Cleavage	2024	Journal of Organic Chemistry	89	15	10472	10484	12	10.1021/acs.joc.4c00585	American Chemical Society	223263		Scopus
1089	Review	Parama D.; BharathwajChetty B.; Jayaprakash S.; Lee E.H.C.; Khatoon E.; Alqahtani M.S.; Abbas M.; Kumar A.P.; Kunnumakkara A.B.	The emerging role of human papillomavirus in lung cancer	2024	Life Sciences	351					10.1016/j.lfs.2024.122785	Elsevier Inc.	243205	All Open Access; Hybrid Gold Open Access	Scopus
1090	Article	Porashar B.; Saikia A.K.	Lewis Acid Mediated Synthesis of 4-Aminoquinoline Derivatives from 2-Aminobenzonitriles and Activated Alkynes via Aza-Michael and Annulation Reactions	2024	Synthesis (Germany)	56	20	3131	3141	10	10.1055/a-2368-8500	Georg Thieme Verlag	397881		Scopus
1091	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
1092	Article	Dhar V.; Sarma K.; Hens S.; Baishya D.; Sarmah R.; Tiwari P.	Chemical EOR Opportunities in Depleted Reservoirs of Assam Arakan Basin: A Laboratory EOR Approach in Tengakhat Area of Assam	2024	Energy and Fuels	38	15	14052	14063	11	10.1021/acs.energyfuels.4c02092	American Chemical Society	8870624		Scopus
1093	Article	Bhar B.; Singh R.; Ramesh V.K.; Dey S.; Nandi S.K.; Paily R.; Mandal B.B.	Wearable e-Bandage with Antimicrobial Ionogel as an Integrated Electroceutical Device for Accelerated Wound Healing	2024	ACS Materials Letters	6	8	3453	3461	8	10.1021/acsmaterialslett.4c00920	American Chemical Society	26394979		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1094	Article	Venkateshappa B.; Bisarya A.; Nandi P.G.; Dhole S.; Kumar A.	Production of Lactic Acid via Catalytic Transfer Dehydrogenation of Glycerol Catalyzed by Base Metal Salt Ferrous Chloride and Its NNN Pincer-Iron Complexes	2024	Inorganic Chemistry	63	33	15294	15310	16	10.1021/acs.inorgchem.4c01976	American Chemical Society	201669		Scopus
1095	Article	Das D.; Bag S.; Pal S.	A Physics-Informed Machine Learning Model of Dissimilar Friction Stir Welding to Tailor Residual Stress Using Coupled Eulerian and Lagrangian Approach	2024	Journal of Materials Engineering and Performance	33	15	7670	7678	8	10.1007/s11665-024-09493-5	Springer	10599495		Scopus
1096	Article	Hussain M.A.; Gupta R.	Development and Validation of a Computational Methodology to Model Mass Transfer in Gas-Liquid Taylor Flow in a Circular Microchannel	2024	Industrial and Engineering Chemistry Research	63	32	14307	14325	18	10.1021/acs.iecr.4c01550	American Chemical Society	8885885		Scopus
1097	Article	Majumder S.; Basu D.N.; Natarajan G.	A novel and simple approach to implement adiabatic boundary conditions in partially-saturated-cells method	2024	International Communications in Heat and Mass Transfer	156					10.1016/j.icheatmasstransfer.2024.107621	Elsevier Ltd	7351933		Scopus
1098	Article	Mahanta J.; Gupta S.; Parmar P.R.; Saha D.R.; Parashar C.K.; De M.; Mandal T.K.; Bandyopadhyay D.	Nanoplasmonic Microfluidic Electrolyzer for Membraneless Hydrogen Production	2024	Energy and Fuels	38	16	15701	15713	12	10.1021/acs.energyfuels.4c02131	American Chemical Society	8870624		Scopus
1099	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
1100	Article	Ghosh K.; Roy S.S.; Giri P.K.	Fast Reduction of 4-Nitrophenol and Photoelectrochemical Hydrogen Production by Self-Reduced Bi/Ti3C2Tx/Bi2S3 Nanocomposite: A Combined Experimental and Theoretical Study	2024	ACS Applied Materials and Interfaces	16	32	42007	42020	13	10.1021/acsami.4c04167	American Chemical Society	19448244		Scopus
1101	Article	Bhattacharya S.; Biswas U.; Damkondwar S.; Yadav B.	Real-time ICT-based interactive learning analytics to facilitate blended classrooms	2024	Education and Information Technologies	29	10	11701	11731	30	10.1007/s10639-023-12327-x	Springer	13602357		Scopus
1102	Article	Bisarya A.; Dhole S.; Kumar A.	Efficient net transfer-dehydrogenation of glycerol: NNN pincer-Mn and manganese chloride as a catalyst unlocks the effortless production of lactic acid and isopropanol	2024	Dalton Transactions	53	30	12698	12709	11	10.1039/d4dt01731e	Royal Society of Chemistry	14779226		Scopus
1103	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
1104	Article	Kumar D.; Banuary M.; Gupta A.K.	An Innovative Approach for Precise Identification of the Lowest Unoccupied Molecular Orbital Using the Parametric Equation of Motion	2024	Journal of Chemical Theory and Computation	20	14	6009	6019	10	10.1021/acs.jctc.4c00470	American Chemical Society	15499618		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1105	Article	Sutradhar R.; Dalal D.C.	Cytoplasmic recycling of rcDNA-containing capsids enhances HBV infection	2024	Nonlinear Dynamics	112	14	12641	12666	25	10.1007/s11071-024-09681-x	Springer Science and Business Media B.V.	0924090X		Scopus
1106	Article	Pandey A.M.; Kapil S.; Das M.	A novel method of effectively fabricating the micro-objects by selective jet electrodeposition (SJED)	2024	Rapid Prototyping Journal	30	6	1105	1120	15	10.1108/RPJ-10-2023-0352	Emerald Publishing	13552546		Scopus
1107	Article	Chaudhuri N.B.; Dhar D.	Digitizing creativity evaluation in design education: a systematic literature review	2024	International Journal of Technology and Design Education	34	3	1211	1242	31	10.1007/s10798-023-09846-6	Springer Science and Business Media B.V.	9577572		Scopus
1108	Article	Jana C.; Das S.	Study of mass outflow rates from magnetized advective accretion disk around rotating black holes	2024	Journal of Cosmology and Astroparticle Physics	2024	7				10.1088/1475-7516/2024/07/075	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
1109	Article	Panigrahi P.; Ghosh S.; Khandelia T.; Tripathi G.; Mandal R.; Patel B.K.	Harnessing reductive BF2-complexation via Ru(ii)-catalyzed N-O cleavage of isoxazoles	2024	Chemical Communications	60	68	9109	9112	3	10.1039/d4cc02816c	Royal Society of Chemistry	13597345		Scopus
1110	Article	Das S.; Vanarse V.B.; Bandyopadhyay D.	Tailored micromixing in chemically patterned microchannels undergoing electromagnetohydrodynamic flow	2024	Biomicrofluidics	18	4				10.1063/5.0209606	American Institute of Physics	19321058		Scopus
1111	Article	Ng M.; Basu D.	“ANIMALS ARE KILLED BY THEIR SPOOR AND MEN BY THEIR WORDS”: THE RHETORIC OF SPEECH AND SILENCE IN PHALEE PROVERBS	2024	Proverbium	41	1	50	72	22	10.29162/pv.41.1.537	University of Osijek - Faculty of Humanities and Social Sciences	28067568	All Open Access; Gold Open Access; Green Open Access	Scopus
1112	Article	Borah D.; Mahapatra S.; Paul P.K.; Sahu N.; Shukla P.	Asymmetric self-interacting dark matter with a canonical seesaw model	2024	Physical Review D	110	3				10.1103/PhysRevD.110.035033	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
1113	Review	Venkatesh Reddy C.; Kumar R.; Chakraborty P.; Karmakar B.; Pottipati S.; Kundu A.; Jeon B.-H.	A critical science mapping approach on removal mechanism and pathways of per- and poly-fluoroalkyl substances (PFAS) in water and wastewater: A comprehensive review	2024	Chemical Engineering Journal	492					10.1016/j.cej.2024.152272	Elsevier B.V.	13858947		Scopus
1114	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
1115	Article	Mondal K.; Soundararajan N.; Goud V.V.; Katiyar V.	Cellulose Nanocrystals Modulate Curcumin Migration in PLA-Based Active Films and Its Application as Secondary Packaging	2024	ACS Sustainable Chemistry and Engineering	12	26	9642	9657	15	10.1021/acssuschemeng.4c00518	American Chemical Society	21680485		Scopus
1116	Article	Mishra D.K.; Gupta R.; Singh A.	Velocity Field within Droplets Falling in Liquid Media inside a Rectangular Channel	2024	Industrial and Engineering Chemistry Research	63	27	12199	12209	10	10.1021/acs.iecr.4c00727	American Chemical Society	8885885		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1117	Article	Das S.; Goud V.V.	Biochar-assisted upgradation of pyrolytic oil via slow pyrolysis of rice husk under a carbon dioxide environment	2024	Biomass Conversion and Biorefinery	14	13	13807	13819	12	10.1007/s13399-022-03482-1	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1118	Article	Bharadwaj A.; Kumar A.; Mitra R.; Jaganathan B.G.; Boruah B.R.	Enhanced fluorescence blinking of AF647 fluorophores in Mowiol via violet and UV light induced recovery for superior localization microscopy	2024	Methods and Applications in Fluorescence	12	3				10.1088/2050-6120/ad4ae6	Institute of Physics	20506120	All Open Access; Hybrid Gold Open Access	Scopus
1119	Article	Yadav K.; Kumar Behera P.; Ankita; Tarun; Chavan R.D.; Yadav P.; Ammathnadu Sudhakar A.; Kumar Pandey U.	Columnar self-assembled heteroatom bay-annulated perylene bisimide as passivating layer for high performance perovskite solar cells	2024	Solar Energy	278					10.1016/j.solener.2024.112762	Elsevier Ltd	0038092X		Scopus
1120	Article	Goswami U.J.; Xalxo A.; Kusum N.; Basumatary M.; Soni K.; Bhattacharyya K.; Khan A.T.	Reactivity study of 4-hydroxythicoumarin: a novel synthetic route to fused chromono-thiophene and -thiopyran derivatives through solvent-dependent thio-Claisen rearrangement	2024	New Journal of Chemistry	48	33	14697	14717	20	10.1039/d4nj02617a	Royal Society of Chemistry	11440546		Scopus
1121	Article	Kandasamy T.; Sarkar S.; Sen P.; Venkatesh D.; Ghosh S.S.	Concurrent inhibition of IR, ITGB1, and CD36 perturbed the interconnected network of energy metabolism and epithelial-to-mesenchymal transition in breast cancer cells	2024	Journal of Cellular Biochemistry	125	7				10.1002/jcb.30574	John Wiley and Sons Inc	7302312		Scopus
1122	Article	Ghosh D.; Das G.	Hydrogel films prepared from plant-seed mucilage: an emerging biopolymer for therapeutic applications	2024	New Journal of Chemistry	48	31	14049	14055	6	10.1039/d4nj01460j	Royal Society of Chemistry	11440546		Scopus
1123	Article	Kumar S.; Maradani L.S.R.; Mohapatra A.K.; Pradhan B.	Effect of mix parameters on chloride content, sulfate ion concentration, and microstructure of geopolymer concrete	2024	Construction and Building Materials	435					10.1016/j.conbuildmat.2024.136864	Elsevier Ltd	9500618		Scopus
1124	Article	Sebastian S.; Kalita K.	Theoretical analysis and design of inter cum intra-row wetland paddy field weeder	2024	Crop Protection	181					10.1016/j.cropro.2024.106696	Elsevier Ltd	2612194		Scopus
1125	Article	Nitu; Fopase R.; Pandey L.M.; Borah J.P.; Srinivasan A.	Enhancement of induction heating capability of bioactive SiO2-CaO-Na2O-P2O5 glass-ceramics by selective substitution with magnetite nanoparticles	2024	Biomedical Materials (Bristol)	19	4				10.1088/1748-605X/ad51c0	Institute of Physics	17486041	All Open Access; Hybrid Gold Open Access	Scopus
1126	Note	Patgiri R.	Contractualisation of Academic Labour	2024	Economic and Political Weekly	59	28	8	9	1		Economic and Political Weekly	129976		Scopus
1127	Article	Khatibi M.; Mehta S.K.; Ashrafizadeh S.N.; Mondal P.K.	Surface charge-dependent slip length modulates electroosmotic mixing in a wavy micromixer	2024	Physics of Fluids	36	7				10.1063/5.0218566	American Institute of Physics	10706631		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1128	Article	Ghosh S.; Laha P.; Biswas S.	A superhydrophobic nanocrystalline MOF embedded starch@ cotton composite for fast, selective and nanomolar sensing and adsorptive removal of a fluorinated herbicide from aqueous medium	2024	Environmental Science: Nano	11	8	3599	3614	15	10.1039/d4en00289j	Royal Society of Chemistry	20518153		Scopus
1129	Article	Krishna R.S.; Sethy N.; Saha S.; Mustakim S.M.; Boopathy R.; Shaikh F.U.A.; Qureshi T.	Nanoengineered Geopolymer Composites with Biomass-Based 2D Graphitic Carbon Nanoplatelets	2024	Journal of Materials in Civil Engineering	36	8				10.1061/JMCEE7.MTEN G-18126	American Society of Civil Engineers (ASCE)	8991561		Scopus
1130	Article	Yadav H.N.S.; Das M.	Evaluation of plasma parameters' impact on MRR and surface roughness in plasma polishing of fused silica: An investigation of surface characterization	2024	Vacuum	225					10.1016/j.vacuum.2024.113263	Elsevier Ltd	0042207X		Scopus
1131	Article	Mahalingam A.K.; Kaushik L.K.; Muthukumar P.	Experimental investigation on the performance characteristics of a naturally-aspirating Porous Radiant Burner	2024	Sustainable Energy Technologies and Assessments	67					10.1016/j.seta.2024.103822	Elsevier Ltd	22131388		Scopus
1132	Article	Bhattacharya S.; Deka P.; Das S.; Ali S.; Choudhury B.; Kakati P.; Kumar S.	Spillover of Newcastle disease virus to Himalayan Griffon vulture: a possible food-based transmission	2024	Virus Genes	60	4	385	392	7	10.1007/s11262-024-02072-9	Springer	9208569		Scopus
1133	Article	Kumar M.; Kulkarni N.D.; Saha A.; Kumari P.	Using multi-criteria decision-making approach for material alternatives in TiO2/P(VDF-TrFE)/PDMS based hybrid nanogenerator as a wearable device	2024	Sensors and Actuators A: Physical	372					10.1016/j.sna.2024.115331	Elsevier B.V.	9244247		Scopus
1134	Article	Shikari A.; Sharma M.; Bhattacharyya K.; Pan S.C.	Organocatalytic Dearomative Spirocyclization Reaction of Enone-Tethered α - and β -Naphthols and Dearomatization Reaction of In Situ Generated Nitro-Olefin-Tethered α -Naphthols	2024	Journal of Organic Chemistry	89	14	9769	9782	13	10.1021/acs.joc.4c00131	American Chemical Society	223263		Scopus
1135	Article	Chahal R.; Mia A.K.; Bora A.; Giri P.K.	Facile in situ synthesis of double perovskite Cs2AgBiBr6/WS2 heterostructure and interfacial charge transfer mediated high-performance ultraviolet photodetection	2024	Journal of Materials Chemistry C	12	33	12835	12846	11	10.1039/d4tc02069c	Royal Society of Chemistry	20507526		Scopus
1136	Article	Sarkar D.J.; Biswas A.; Mondal S.; Aralappanavar V.K.; Dei J.; Sinha S.; Behera B.K.; Raja R.; Bhattacharyya S.; Pal S.; Mukherjee S.; Bansal V.; Das B.K.	Aeromonas veronii specific aptamer and peroxidase mimic tyrosine-capped gold NanoZymes enable highly specific sensing of fish pathogenic bacteria	2024	Biosensors and Bioelectronics: X	19					10.1016/j.biosx.2024.100505	Elsevier Ltd	25901370	All Open Access; Gold Open Access	Scopus
1137	Article	Kumar D.; Kumar B.	Tertiary wake mode in flows past elliptic cylinders	2024	European Journal of Mechanics, B/Fluids	106		130	136	6	10.1016/j.euromechflu.2024.04.004	Elsevier Ltd	9977546		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1138	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.; Weyhmiller 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
1139	Article	Nandi K.K.; Kakati R.; Dutta S.; Khatua K.K.	Exploring the influence of vegetated mid-channel bar on flow and turbulence in bifurcated channels: An experimental approach	2024	Advances in Water Resources	189					10.1016/j.advwatres.2024.104727	Elsevier Ltd	3091708		Scopus
1140	Article	Dwibedi S.; Kumar B.; Bag S.	Phase transformation effect on residual stress development in fusion welding of dissimilar stainless steels with different thickness	2024	Archives of Civil and Mechanical Engineering	24	3				10.1007/s43452-024-00958-x	Springer Science and Business Media Deutschland GmbH	16449665		Scopus
1141	Article	Alam M.S.; Gorrini F.; Gawelczyk M.; Wigger D.; Coccia G.; Guo Y.; Shahbazi S.; Bharadwaj V.; Kubanek A.; Ramponi R.; Barclay P.E.; Bennett A.J.; Hadden J.P.; Bifone A.; Eaton S.M.; Machnikowski P.	Determining strain components in a diamond waveguide from zero-field optically detected magnetic resonance spectra of negatively charged nitrogen-vacancy-center ensembles	2024	Physical Review Applied	22	2				10.1103/PhysRevApplied.22.024055	American Physical Society	23317019	All Open Access; Green Open Access	Scopus
1142	Article	Nadig P.R.; Toulemonde O.; Alagarsamy P.; Murari M.S.; Daivajna M.D.	Multifaceted Roles of Ag+ Ions within and outside La-Ca-MnO3 Perovskite Manganites: Unveiling the Room Temperature Magnetocaloric Effect	2024	Journal of Physical Chemistry C	128	30	12686	12703	17	10.1021/acs.jpcc.4c03215	American Chemical Society	19327447	All Open Access; Hybrid Gold Open Access	Scopus
1143	Article	Adasho Achomo M.; Kumar A.; Muthukumar P.; Peela N.R.	Experimental studies on hydrogen production from steam reforming of methanol integrated with metal hydride-based hydrogen purification system	2024	International Journal of Hydrogen Energy	76		28	43	15	10.1016/j.ijhydene.2024.01.188	Elsevier Ltd	3603199		Scopus
1144	Article	Barman B.; Kashyap S.N.; 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	10.1007/s41939-023-00335-w	Springer Science and Business Media B.V.	25208160		Scopus
1145	Article	Mayawad K.; Gogoi R.; Raidongia K.	Stimuli-Responsive Delivery of Ions through Layered Materials-Based Triangular Nanofluidic Device	2024	Nano Letters	24	27	8268	8276	8	10.1021/acs.nanolett.4c01136	American Chemical Society	15306984		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1146	Article	Kulkarni M.R.; Kumar D.; Kolge T.; Nandy A.; Kore S.D.; Bakhtsingh R.I.	Numerical investigation of magnetic pulse welding of D9 steel tube to SS316LN end plug using Lagrangian finite element and smoothed particle hydrodynamics (SPH) and its experimental validation	2024	Journal of the Brazilian Society of Mechanical Sciences and Engineering	46	7				10.1007/s40430-024-05018-2	Springer Science and Business Media Deutschland GmbH	16785878	All Open Access; Green Open Access	Scopus
1147	Article	Bera P.; Mukherjee S.; Venturi D.M.; Ruser N.; Biswas S.	Reusable MOF-Coated Chitosan@Paper Strip Composite for Real-Time Monitoring of Pesticide Pendimethalin and Organoarsenic Feed Additive Roxarsone Levels in Environmental Water, Food, and Vegetable Samples	2024	ACS Applied Materials and Interfaces	16	27	35245	35254	9	10.1021/acsami.4c08083	American Chemical Society	19448244		Scopus
1148	Article	Gupta S.; Kishore N.; Ahmed G.; Kumari K.	Catalytic co-pyrolysis of leaves of Polyalthia longifolia, woods of Delonix regia and polypropylene grocery bags using zeolite Y-hydrogen catalyst	2024	Biomass Conversion and Biorefinery	14	14	15649	15659	10	10.1007/s13399-022-03731-3	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1149	Article	Bhambu A.; Gao R.; Suganthan P.N.	Recurrent ensemble random vector functional link neural network for financial time series forecasting	2024	Applied Soft Computing	161					10.1016/j.asoc.2024.111759	Elsevier Ltd	15684946	All Open Access; Hybrid Gold Open Access	Scopus
1150	Article	Arora S.; Kumar B.	The riverbank vegetation for mitigating the adverse effects of sediment dredging	2024	Ecohydrology	17	5				10.1002/eco.2656	John Wiley and Sons Ltd	19360584		Scopus
1151	Article	Mahto A.K.; Tripathi Y.M.; Dey S.; Alsaedi B.S.O.; Alhelali M.H.; Alghamdi F.M.; Alrumayh A.; Alshawarbeh E.	Bayesian estimation and prediction under progressive-stress accelerated life test for a log-logistic model	2024	Alexandria Engineering Journal	101		330	342	12	10.1016/j.aej.2024.05.045	Elsevier B.V.	11100168		Scopus
1152	Article	Basu A.; Kar I.	Characterization of multi-channel denial-of-service	2024	European Journal of Control	78					10.1016/j.ejcon.2024.101001	Elsevier Ltd	9473580		Scopus
1153	Article	N.S. A.; Kapoor H.K.	Migration-aware slot-based memory request scheduler to guarantee QoS in DRAM-PCM hybrid memories	2024	Journal of Systems Architecture	152					10.1016/j.sysarc.2024.103174	Elsevier B.V.	13837621		Scopus
1154	Review	Baishya H.; Adhikari R.D.; Patel M.J.; Yadav D.; Sarmah T.; Alam M.; Kalita M.; Iyer P.K.	Defect mediated losses and degradation of perovskite solar cells: Origin, impacts and reliable characterization techniques	2024	Journal of Energy Chemistry	94		217	253	36	10.1016/j.jechem.2024.02.062	Elsevier B.V.	20954956		Scopus
1155	Article	Purkait A.; Pal S.V.S.; Soni K.; Bhattacharyya K.; Jana C.K.	Nitroso-azomethine(ene) reaction enabled annulations of nitrosoarenes, azomethines and alkenes	2024	Chemical Communications	60	65	8541	8544	3	10.1039/d4cc02117g	Royal Society of Chemistry	13597345		Scopus
1156	Article	Sarma A.; Ghosh S.; Biswas S.	An aluminium-organic framework unveiling ultra-sensitive fluorometric detection of pesticide paraoxon-methyl and pharmaceutical drug azathioprine in fruits, vegetables, and wastewater	2024	Journal of Materials Chemistry C	12	35	13892	13903	11	10.1039/d4tc01651c	Royal Society of Chemistry	20507526		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1157	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.; Aimard B.; Akbar F.; Allison K.; Alonso Monsalve S.; Alrashed M.; Alton A.; Alvarez R.; Alves T.; Amar H.; Amedo P.; Anderson J.; Andrade D.A.; Andreopoulos C.; Andreotti M.; Andrews M.P.; Andrianala F.; Andringa S.; Anfimov N.; Ankowski A.; Antoniassi M.; Antonova M.; Antoshkin A.; Aranda-Fernandez A.; Arellano L.; Arrieta Diaz E.; Arroyave M.A.; Asaadi J.; Ashkenazi A.; Asner D.; Asquith L.; Atkin E.; Auguste D.; Aurisano A.; Aushev V.; Autiero D.; Azfar F.; Back A.; Back H.; Back J.J.; Bagaturia I.; Bagby L.; Balashov N.; Balasubramanian S.; Baldi P.; Baldini W.; Baldonado J.; Baller B.; Bambah B.; Banerjee R.; Barao F.; Barenboim G.; Barham Alzás P.; Barker G.J.; Barkhouse W.; Barr G.; Barranco Monarca J.; Barros A.; Barros N.; Barrow D.; Barrow J.L.; Basharina-	The DUNE far detector vertical drift technology Technical design report	2024	Journal of Instrumentation	19	8				10.1088/1748-0221/19/08/T08004	Institute of Physics	17480221		Scopus
1158	Article	Biswas S.; Barman D.; Dutta P.; Gour N.K.; Lee S.; Kim D.; Park Y.-B.; Bora T.J.; Devi A.; Khanam S.A.; Saikia L.; Karunakar G.V.; Zaki M.E.A.; Bania K.K.	Ru-nanoparticles supported on zeolite-Y for ortho-benzylation of phenols and activation of H2O2 for selective synthesis of BINOLs	2024	Catalysis Science and Technology	14	18	5234	5256	22	10.1039/d4cy00429a	Royal Society of Chemistry	20444753		Scopus
1159	Article	Bandaru V.; Hoelzl M.; Artola F.J.; Vallhagen O.; Lehnen M.	Runaway electron fluid model extension in JOREK and ITER relevant benchmarks	2024	Physics of Plasmas	31	8				10.1063/5.0213962	American Institute of Physics	1070664X	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1160	Article	Kunthara R.G.; James R.K.; Sreeba S.Z.; Jose J.	Subnetwork Based Traffic Aware Rerouting for CMesh Bufferless Network-on-Chip	2024	Journal of Circuits, Systems and Computers	33	12				10.1142/S0218126624502074	World Scientific	2181266		Scopus
1161	Article	Gogoi D.; Bhattarai S.; Das T.D.	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	12	10.1007/s12648-023-03042-x	Springer	9731458		Scopus
1162	Article	Brahma R.; Singh A.P.; Baruah J.B.	Synthesis and characterization of cis and trans cobalt(ii) nalidixate complexes having a 1-(4-chlorophenyl)-3-(pyridin-4-ylmethyl)urea ligand	2024	Dalton Transactions	53	35	14678	14691	13	10.1039/d4dt01401d	Royal Society of Chemistry	14779226		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1163	Article	Kar M.K.; Mahata R.; Srimayee S.; Haloi N.; Kumar R.; Lindahl E.; Santra M.K.; Manna D.	β-Carboline-based light and pH dual stimuli-responsive ion transporters induce cancer cell death	2024	Chemical Communications	60	64	8419	8422	3	10.1039/d4cc02232g	Royal Society of Chemistry	13597345		Scopus
1164	Article	Mondal A.; Yadav M.K.; Nandi A.; Kumar S.; Sanyal I.; Sharma S.K.; Chyi J.-I.; Bag A.	Pinch-off driven near-ideal output characteristics of n-Ga2O3/p-GaN light effect transistor for UV photonics	2024	Applied Physics Letters	125	2				10.1063/5.0215146	American Institute of Physics	36951		Scopus
1165	Review	Hegde M.; Girisa S.; Devanarayanan T.N.; Alqahtani M.S.; Abbas M.; Sethi G.; Kunnumakkara A.B.	Network of Extracellular Traps in the Pathogenesis of Sterile Chronic Inflammatory Diseases: Role of Oxidative Stress and Potential Clinical Applications	2024	Antioxidants and Redox Signaling	41	#####	396	427	31	10.1089/ars.2023.0329	Mary Ann Liebert Inc.	15230864		Scopus
1166	Article	Lama B.; Sarma M.	Ultrafast Hot Exciton Nonadiabatic Excited-State Dynamics in Green Fluorescent Protein Chromophore Analogue	2024	Journal of Physical Chemistry B	128	28	6786	6796	10	10.1021/acs.jpcb.4c02733	American Chemical Society	15206106		Scopus
1167	Article	Chandra M.; Sahu A.; Kalita N.; Qureshi M.	Geometrically twisted intra-inter-molecular cooperative interactions for an enhanced photo-response in an ORMOSIL-based host-guest system	2024	Chemical Communications	60	65	8553	8556	3	10.1039/d4cc03071k	Royal Society of Chemistry	13597345		Scopus
1168	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
1169	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	23	10.1007/s10639-023-12281-8	Springer	13602357		Scopus
1170	Article	Alam M.I.; Nagar M.R.; Barman D.; Iyer P.K.; Jou J.-H.; Vaidyanathan S.	Tailoring structural rigidity utilizing a lock/unlock donor strategy for highly efficient solution processed blue and green HLCT OLEDs	2024	Journal of Materials Chemistry C	12	34	13585	13595	10	10.1039/d4tc00417e	Royal Society of Chemistry	20507526		Scopus
1171	Article	Dhobale K.V.; Sahoo L.	Identification of mungbean yellow mosaic India virus and susceptibility-related metabolites in the apoplast of mung bean leaves	2024	Plant Cell Reports	43	7				10.1007/s00299-024-03247-2	Springer Science and Business Media Deutschland GmbH	7217714		Scopus
1172	Article	Mehta S.K.; Deb D.; Nandy A.; Shen A.Q.; Mondal P.K.	Maximizing blue energy: the role of ion partitioning in nanochannel systems	2024	Physical Chemistry Chemical Physics	26	30	20550	20561	11	10.1039/d4cp01671h	Royal Society of Chemistry	14639076		Scopus
1173	Article	Kumar R.; Siram O.; Saha U.K.; Sahoo N.	Wake flow characteristics of small wind turbine models with single- and double-rotor arrangements: A wind tunnel study	2024	Journal of Renewable and Sustainable Energy	16	4				10.1063/5.0215625	American Institute of Physics	19417012		Scopus
1174	Review	Nath D.; Ankit; Neog D.R.; Gautam S.S.	Application of Machine Learning and Deep Learning in Finite Element Analysis: A Comprehensive Review	2024	Archives of Computational Methods in Engineering	31	5	2945	2984	39	10.1007/s11831-024-10063-0	Springer Science and Business Media B.V.	11343060		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1175	Article	Faraz S.; Khan A.T.	A short and elegant synthetic approach for 9-substituted tetrahydro coumestan derivatives and synthesis of some naturally occurring coumestan derivatives	2024	New Journal of Chemistry	48	30	13514	13525	11	10.1039/d4nj02189d	Royal Society of Chemistry	11440546		Scopus
1176	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
1177	Article	Patra A.; Behera P.K.; Shah A.; Singh D.P.; Raghunathan V.A.; Sudhakar A.A.; Kumar S.	Exploring the Ambipolar Charge Carrier Mobility, Mesomorphic, and Gel Properties in Nitrile Extended Quinoxaline and Phenanthro[a]phenazine Discotic Liquid Crystals	2024	ACS Applied Electronic Materials	6	7	4891	4902	11	10.1021/acsaelm.4c00381	American Chemical Society	26376113		Scopus
1178	Article	Bhattacharyya H.P.; Sarma M.	Efficiency Conceptualization Model: A Theoretical Method for Predicting the Turnover of Catalysts	2024	ChemPhysChem	25	14				10.1002/cphc.202400004	John Wiley and Sons Inc	14394235		Scopus
1179	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.; Aimard B.; Akbar F.; Allison K.; Alonso Monsalve S.; Alrashed M.; Alton A.; Alvarez R.; Amar Es-Sghir H.; Amedo P.; Anderson J.; Andrade D.A.; Andreopoulos C.; Andreotti M.; Andrews M.P.; Andrianala F.; Andringa S.; Anfimov N.; Ankowski A.; Antoniassi M.; Antonova M.; Antoshkin A.; Aranda-Fernandez A.; Arellano L.; Arrieta Diaz E.; Arroyave M.A.; Asaadi J.; Ashkenazi A.; Asquith L.; Atkin E.; Auguste D.; Aurisano A.; Aushev V.; Autiero D.; 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 Alzás P.; Barker G.J.; Barkhouse W.; Barr G.; Barranco Monarca J.; Barros A.; Barros N.; Barrow D.; Barrow J.L.; Basharina-Freshville A.; Bashyal A.	Doping liquid argon with xenon in ProtoDUNE Single-Phase: effects on scintillation light	2024	Journal of Instrumentation	19	8				10.1088/1748-0221/19/08/P08005	Institute of Physics	17480221		Scopus
1180	Article	Singh H.; Nandy M.K.	Quantum nature of spacetime near the black hole singularity	2024	European Physical Journal C	84	7				10.1140/epjc/s10052-024-13041-9	Springer Nature	14346044	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1181	Article	Kumar S.; Manga M.; Nair A.M.; Dixit A.; Mahanta C.	Water Geochemistry and Stable Isotope Changes Record Groundwater Mixing After a Regional Earthquake in Northeast India	2024	Geochemistry, Geophysics, Geosystems	25	7				10.1029/2024GC011476	John Wiley and Sons Inc	15252027		Scopus
1182	Article	Islam M.; Bhattacharyya K.; Basu S.	Electron-phonon coupling induced topological phase transition in an α -T3 Haldane-Holstein model	2024	Physical Review B	110	4				10.1103/PhysRevB.110.045426	American Physical Society	24699950		Scopus
1183	Article	Agarwal N.; Agarwal D.; Debnath T.	Amino Acid-Driven Dimensional Reduction of CsPbBr3 Nanocrystals	2024	ACS Omega	9	28	31026	31034	8	10.1021/acsomega.4c04364	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
1184	Article	Kumar J.; Sharma S.; Sharma R.; Chopra S.	AMS 14C Dating of the Sites of Digaru-Kolong River Valley, Assam-Meghalaya Foothills, India	2024	Radiocarbon	66	4	664	675	11	10.1017/RDC.2024.93	Cambridge University Press	338222	All Open Access; Bronze Open Access	Scopus
1185	Article	Tarai U.K.; Pal S.; Robi P.S.	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	11	10.1177/14644207231218113	SAGE Publications Ltd	14644207		Scopus
1186	Article	Mandal A.; Ahmed J.; Singh S.; Goyal A.	Structure elucidation of a multi-modular recombinant endoglucanase, AtGH9C-CBM3A-CBM3B from Acetivibrio thermocellus ATCC 27405 and its substrate binding analysis	2024	International Journal of Biological Macromolecules	273					10.1016/j.ijbiomac.2024.133212	Elsevier B.V.	1418130		Scopus
1187	Article	Bordoloi A.; Jena S.K.; Tiwari P.; Datta A.; Weise B.; Medwal R.; Rawat R.S.; Thota S.	Charge-ordering breakdown dynamics and ferromagnetic resonance studies of B-site Cu diluted Pr1-x Sr x MnO3	2024	Journal of Physics Condensed Matter	36	29				10.1088/1361-648X/ad3c04	Institute of Physics	9538984	All Open Access; Hybrid Gold Open Access	Scopus
1188	Article	Paul S.; Chattopadhyay A.	Distinction of Plasmonic Intrananoparticle and Internanoparticle Molecular Reaction Rates at the Three-Phase Contact Line of an Evaporating Sessile Droplet	2024	Journal of Physical Chemistry Letters	15	26	6812	6817	5	10.1021/acs.jpcllett.4c01055	American Chemical Society	19487185	All Open Access; Green Open Access	Scopus
1189	Article	Modak R.; Singh B.	Time-dependent performance of large piled raft in clayey soil	2024	Ocean Engineering	303					10.1016/j.oceaneng.2024.117839	Elsevier Ltd	298018		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1190	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
1191	Article	Choudhury P.; Boruah B.R.	Adaptive image thresholding and localization of point spread functions with enhanced precision for single molecule localization based super-resolution microscopy	2024	Optics and Lasers in Engineering	178					10.1016/j.optlaseng.2024.108234	Elsevier Ltd	1438166		Scopus
1192	Article	Gawal P.M.; Golder A.K.	Plant-Based Phytochemicals for Synthesis of Z-Scheme In2O3/CdS Heterostructures: DFT Analysis and Photocatalytic CO2 Reduction to HCOOH and CO	2024	Langmuir	40	26	13538	13549	11	10.1021/acs.langmuir.4c01015	American Chemical Society	7437463		Scopus
1193	Article	Srivastava A.; Tadikonda B.V.	Collapsible Soil Model for the Prediction of Mechanical Characteristics of Partially Saturated Collapsible Soils	2024	International Journal of Geomechanics	24	7				10.1061/IJGNAL.GMEN G-9037	American Society of Civil Engineers (ASCE)	15323641		Scopus
1194	Article	Bhattacharya S.; Jahedi S.; Nandi S.; Sarkar A.	Probing flavor constrained SMEFT operators through tc production at the muon collider	2024	Journal of High Energy Physics	2024	7				10.1007/JHEP07(2024)061	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
1195	Article	Das B.; Adhikary M.; Singha S.R.; Parmar D.	Who is Anaemic in India? Intersections of class, caste, and gender	2024	Journal of Biosocial Science	56	4	731	753	22	10.1017/S0021932024000245	Cambridge University Press	219320		Scopus
1196	Article	Chanu S.A.; Sonkar R.K.	Photonic-crystal-based hybrid wavelength-mode division multiplexer for SOI platforms	2024	Applied Optics	63	21	5728	5737	9	10.1364/AO.529016	Optica Publishing Group (formerly OSA)	1559128X		Scopus
1197	Article	Patel P.R.; Patel M.J.; Kalita M.; Iyer P.K.; Zade S.S.; Patel A.L.	Synthesis and Study of Donor-Acceptor Conjugated Polymers via a Green Indophenine Polymerization Strategy	2024	ACS Applied Polymer Materials	6	13	7648	7658	10	10.1021/acsapm.4c01112	American Chemical Society	26376105		Scopus
1198	Article	Ravi R.; Kumar Golder A.	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 B.V.	13835866		Scopus
1199	Article	Kalita N.; Muthukumar P.; Dalal A.	Performance investigation of a hybrid solar dryer with electric and biogas backup air heaters for chilli drying	2024	Thermal Science and Engineering Progress	52					10.1016/j.tsep.2024.102646	Elsevier Ltd	24519049		Scopus
1200	Article	Tripura T.; Panda S.; Hazra B.; Chakraborty S.	Data-driven discovery of interpretable Lagrangian of stochastically excited dynamical systems	2024	Computer Methods in Applied Mechanics and Engineering	427					10.1016/j.cma.2024.117032	Elsevier B.V.	457825	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1201	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	John Wiley and Sons Inc	16136810		Scopus
1202	Article	Aswathy M.; Parama D.; Hegde M.; Dr S.; Lankalapalli R.S.; Radhakrishnan K.V.; Kunnumakkara A.B.	Natural Prenylflavones from the Stem Bark of Artocarpus altilis: Promising Anticancer Agents for Oral Squamous Cell Carcinoma Targeting the Akt/mTOR/STAT-3 Signaling Pathway	2024	ACS Omega	9	23	24252	24267	15	10.1021/acsomega.3c08376	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
1203	Article	Mehta S.K.; Bhushan P.; Mondal P.K.; Wongwises S.	Insight into the electroosmotic vortex modulated reaction characteristics of viscoplastic fluids	2024	Physics of Fluids	36	7				10.1063/5.0211413	American Institute of Physics	10706631		Scopus
1204	Article	Pratap S.; Narayan J.; Hatta Y.; Ito K.; Hazarika S.M.	Glove-Net: Enhancing Grasp Classification with Multisensory Data and Deep Learning Approach	2024	Sensors	24	13				10.3390/s24134378	Multidisciplinary Digital Publishing Institute (MDPI)	14248220	All Open Access; Gold Open Access; Green Open Access	Scopus
1205	Article	Bhattacharjee M.; Prasanna Mahadeva S.R.; Guha P.	Exploration of Speech and Music Information for Movie Genre Classification	2024	ACM Transactions on Multimedia Computing, Communications and Applications	20	8				10.1145/3664197	Association for Computing Machinery	15516857	All Open Access; Bronze Open Access	Scopus
1206	Article	Panda C.; Dumka S.; Kumar S.; Gupta S.; Pandey L.M.	Natural lipopeptide surfactin inhibits insulin aggregation and prevents amyloid-induced cytotoxicity and inflammation	2024	Journal of Molecular Liquids	404					10.1016/j.molliq.2024.124917	Elsevier B.V.	1677322		Scopus
1207	Article	Kalita G.; Sarmah S.; Prakash V.; Chatterjee P.N.; Singha Roy A.	Deciphering the intriguing molecular recognition of a novel indene-phloroglucinol tethered compound with human serum albumin using multi-spectroscopy and molecular docking studies	2024	Journal of Molecular Structure	1306					10.1016/j.molstruc.2024.137796	Elsevier B.V.	222860		Scopus
1208	Article	Madhual S.; Padma Kumar P.	Understanding oxide ion transport in cation-ordered yttria-stabilized zirconia	2024	Physical Chemistry Chemical Physics	26	29	19992	19999	7	10.1039/d4cp00934g	Royal Society of Chemistry	14639076		Scopus
1209	Article	Singh N.S.; Giri P.K.	Ultrasmall Graphene Quantum Dots as Exceptionally Stable and Efficient Substrates for Graphene-Enhanced Raman Spectroscopy Detection of Dyes	2024	ACS Applied Nano Materials	7	11	13579	13589	10	10.1021/acsanm.4c02106	American Chemical Society	25740970		Scopus
1210	Article	Lekharu A.; Gupta P.; Sur A.; Patra M.	Collaborative Video Caching in the Edge Network using Deep Reinforcement Learning	2024	ACM Transactions on Internet of Things	5	3				10.1145/3664613	Association for Computing Machinery	25776207	All Open Access; Bronze Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1211	Review	Das D.; Bag S.; Pal S.; De A.	A review on phenomenological model subtleties for defect assessment in friction stir welding	2024	Journal of Manufacturing Processes	120		641	679	38	10.1016/j.jmapro.2024.04.063	Elsevier Ltd	15266125		Scopus
1212	Article	Kumar R.; Saini G.K.; Jawed M.	Recovery potential of aerobic sludge biomass stressed with Cu(II) laden piggery wastewater	2024	Journal of Environmental Chemical Engineering	12	3				10.1016/j.jece.2024.112517	Elsevier Ltd	22133437		Scopus
1213	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
1214	Article	Das R.C.; Ravi T.; Khan S.; Pandey K.	Continuous loading of a magneto-optical trap of Rb using a narrow transition	2024	Physical Review A	109	6				10.1103/PhysRevA.109.063107	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
1215	Article	Saikia P.J.; 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	14	10.1002/pc.28337	John Wiley and Sons Inc	2728397		Scopus
1216	Article	Idrishi R.; Singha S.; Rangan L.	Quality characterization, variety discrimination and correlations amongst twelve landraces of black rice of Assam and Manipur, India	2024	Journal of Food Composition and Analysis	130					10.1016/j.jfca.2024.106182	Academic Press Inc.	8891575		Scopus
1217	Article	Dhongde N.R.; Das N.K.; Banerjee T.; Rajaraman P.V.	Synthesis of carbon quantum dots from rice husk for anti-corrosive coating applications: Experimental and theoretical investigations	2024	Industrial Crops and Products	212					10.1016/j.indcrop.2024.118329	Elsevier B.V.	9266690		Scopus
1218	Article	Ahmed G.; Kishore N.	Synergistic effects on properties of biofuel and biochar produced through co-feed pyrolysis of Erythrina indica and Azadirachta indica biomass	2024	Renewable Energy	227					10.1016/j.renene.2024.120508	Elsevier Ltd	9601481		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1219	Article	Pradhan G.; Deka B.	Optimal convergence analysis of the virtual element methods for second-order Sobolev equations with variable coefficients on polygonal meshes	2024	Journal of Applied Mathematics and Computing	70	3	2313	2341	28	10.1007/s12190-024-02045-z	Springer Nature	15985865		Scopus
1220	Review	Yadav P.; Tamilselvan R.; Mani H.; Singh K.K.	MicroRNA-mediated regulation of nonsense-mediated mRNA decay factors: Insights into microRNA prediction tools and profiling techniques	2024	Biochimica et Biophysica Acta - Gene Regulatory Mechanisms	1867	2				10.1016/j.bbagrm.2024.195022	Elsevier B.V.	18749399		Scopus
1221	Article	Shikari A.; Parida C.; Chandra Pan S.	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	5	10.1021/acs.orglett.4c00557	American Chemical Society	15237060		Scopus
1222	Erratum	Kumar R.; Saini G.K.; Jawed M.	Corrigendum to “Recovery potential of aerobic sludge biomass stressed with Cu(II) laden piggery wastewater” [J. Environ. Chem. Eng. 12 (2024) 112517] (Journal of Environmental Chemical Engineering (2024) 12(3), (S221334372400647X), (10.1016/j.jece.2024.112517))	2024	Journal of Environmental Chemical Engineering	12	3				10.1016/j.jece.2024.112679	Elsevier Ltd	22133437		Scopus
1223	Article	Patawar M.; Kapoor K.	The length of the longest sequence of consecutive FS-double squares in a word	2024	Communications in Combinatorics and Optimization	9	2	263	277	14	10.22049/cco.2022.27917.1395	Azarbaijan Shahid Madani University	25382128		Scopus
1224	Article	Garai R.; Sharma B.; Afroz M.A.; Choudhary S.; Sharma T.; Metcalf I.; Tailor N.K.; Iyer P.K.; Mohite A.D.; Satapathi S.	High-Efficiency Semitransparent Perovskite Solar Cells Enabled by Controlling the Crystallization of Ultrathin Films	2024	ACS Energy Letters	9	6	2936	2943	7	10.1021/acsenerylett.4c01149	American Chemical Society	23808195		Scopus
1225	Article	Bedamatta R.; Bordoloi M.	India’s Missing Female Youth Labour Force: Size, Characteristics and Policy Concern	2024	Indian Journal of Labour Economics	67	2	465	481	16	10.1007/s41027-024-00493-6	Springer	9717927		Scopus
1226	Article	Jena T.; Choudhary G.; Hossain M.T.; Nath U.; Sarma M.; Giri P.K.	Salt-Catalyzed Directed Growth of Bilayer Palladium Diselenide (PdSe2) Dendrites and Pd Nanoparticle-Decorated PdSe2-Pd2Se3 Junction Exhibiting Very High Surface Enhanced Raman Scattering Sensitivity	2024	Chemistry of Materials	36	12	5922	5934	12	10.1021/acs.chemmater.4c00078	American Chemical Society	8974756		Scopus
1227	Article	Saha S.; Hota A.; Chattopadhyay A.K.; Nag A.; Nandi S.	A multifaceted survey on privacy preservation of federated learning: progress, challenges, and opportunities	2024	Artificial Intelligence Review	57	7				10.1007/s10462-024-10766-7	Springer Nature	2692821	All Open Access; Hybrid Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1228	Article	Agarwal K.; Mehta S.K.; Mondal P.K.	Unveiling nutrient flow-mediated stress in plant roots using an on-chip phytofluidic device	2024	Lab on a Chip	24	16	3775	3789	14	10.1039/d4lc00180j	Royal Society of Chemistry	14730197	All Open Access; Green Open Access	Scopus
1229	Article	Baite T.N.; Mandal B.; Purkait M.K.	Exploring gallic acid-rich leaf extract: Formulation and characterization of antioxidant blends	2024	Measurement: Food	14					10.1016/j.meafoo.2024.100162	Elsevier Ltd	27722759	All Open Access; Gold Open Access	Scopus
1230	Review	Khan A.A.; 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	Elsevier Ltd	9574174	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1231	Article	Baishya M.J.; Muthu N.; Khanikar P.	In pursuit of a high-performance mechanical metamaterial: Simple-cubic-octahedral plate lattice	2024	International Journal of Mechanical Sciences	272					10.1016/j.ijmecsci.2024.109189	Elsevier Ltd	207403		Scopus
1232	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 Science and Business Media Deutschland GmbH	23639555	All Open Access; Green Open Access	Scopus
1233	Article	Boro B.; Tiwari P.	Effect of metals and brominated flame retardants on thermal degradation kinetics of waste printed circuit board	2024	Thermochimica Acta	736					10.1016/j.tca.2024.179747	Elsevier B.V.	406031		Scopus
1234	Article	Bandaru V.; Hoelzl M.; Bergström H.; Artola F.J.; Särkimäki K.; Lehnen M.	Assessment of runaway electron beam termination and impact in ITER	2024	Nuclear Fusion	64	7				10.1088/1741-4326/ad50ea	Institute of Physics	295515	All Open Access; Gold Open Access	Scopus
1235	Article	Kumar M.; Kulkarni N.D.; Kumari P.	Piezoelectric performance enhancement of electrospun functionally graded PVDF/BaTiO3 based flexible nanogenerators	2024	Materials Research Bulletin	174					10.1016/j.materresbull.2024.112739	Elsevier Ltd	255408		Scopus
1236	Article	Singh A.P.; Chopra R.	PSA based power control for cell-free massive MIMO under LoS/NLoS channels	2024	Physical Communication	64					10.1016/j.phycom.2024.102360	Elsevier B.V.	18744907	All Open Access; Green Open Access	Scopus
1237	Article	Yashmin S.; Karthik A.M.; Khan A.T.	Utilization of DMSO as a solvent-cum-reactant: synthesis of fused 2-aryl-4-methylquinolines	2024	Organic and Biomolecular Chemistry	22	27	5608	5617	9	10.1039/d4ob00938j	Royal Society of Chemistry	14770520		Scopus
1238	Article	Mahata D.; Srinivasan A.	Stabilization of various structural phases and magnetic properties of chemically synthesized Co-Ni-Ga nanoparticles	2024	Materialia	35					10.1016/j.mtla.2024.102116	Elsevier B.V.	25891529		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1239	Article	Dawo C.; Hossain M.; Iyer P.K.; Chaturvedi H.	Enhanced photovoltaic performance of dye sensitized solar cells using cesium bromide modified TiO2 electron transport layer	2024	Materials Chemistry and Physics	320					10.1016/j.matchemphys.2024.129396	Elsevier Ltd	2540584		Scopus
1240	Article	Bhar B.; Das E.; Manikumar K.; Mandal B.B.	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	John Wiley and Sons Inc	21922640		Scopus
1241	Article	Roy S.; Giri R.S.; Sarkar A.; Mondal S.; Mandal B.	Influence of Chirality on the Self-Assembly of Dipeptides and Sensing of Fe3+	2024	Crystal Growth and Design	24	12	5061	5077	16	10.1021/acs.cgd.4c00299	American Chemical Society	15287483		Scopus
1242	Article	Sreejyothi P.; Gautam N.; Maji S.; Bhattacharyya K.; Mandal S.K.	Transition Metal-Mimicking Relay Catalysis by a Low-Valent Phosphorus Compound	2024	Journal of the American Chemical Society	146	24	16743	16752	9	10.1021/jacs.4c04376	American Chemical Society	27863		Scopus
1243	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	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
1244	Article	Bhagawati P.B.; H S. K.K.; Lokeshappa B.; Malekdar F.; Sapate S.; Adeogun A.I.; Chapi S.; Goswami L.; Mirkhalafi S.; Sillanpää M.	Prediction of electrocoagulation treatment of tannery wastewater using multiple linear regression based ANN: Comparative study on plane and punched electrodes	2024	Desalination and Water Treatment	319					10.1016/j.dwt.2024.100530	Elsevier B.V.	19443994	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1245	Article	Lyndem S.; Giri P.; Aneesha S.L.; Bhatta A.; Kumari K.; Jana M.; Singha Roy A.	Inhibition of amyloid formation of bovine hemoglobin by bioactive phenolic acids: an elaborate investigation into their binding properties with the protein using multi-spectroscopic and computational techniques	2024	New Journal of Chemistry	48	27	12362	12386	24	10.1039/d4nj01106f	Royal Society of Chemistry	11440546		Scopus
1246	Review	Chandra G.V.; Golla S.Y.; Ghosh P.K.	Review of soil environment quality in India near coal mining regions: current and future predictions	2024	Environmental Geochemistry and Health	46	6				10.1007/s10653-024-01968-7	Springer	2694042		Scopus
1247	Article	Rasaily M.; Ngiime D S.; Thaosen R.K.; 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 B.V.	22150161	All Open Access; Gold Open Access; Green Open Access	Scopus
1248	Article	Bag S.S.; Banerjee A.; Sinha S.	Expansion of Genetic Alphabets: Designer Nucleobases and Their Applications	2024	Synlett	35	11	1195	1227	32	10.1055/a-2219-6680	Georg Thieme Verlag	9365214		Scopus
1249	Article	AlZainati N.; Ibrar I.; Braytee A.; Altaee A.; Chowdhury M.H.; Subbiah S.; Zhou J.; Alanezi A.A.; Samal A.K.	Machine learning to predict the intrinsic membrane parameters in pressure retarded osmosis for an economic salinity gradient power plant	2024	Journal of Water Process Engineering	64					10.1016/j.jwpe.2024.105674	Elsevier Ltd	22147144	All Open Access; Hybrid Gold Open Access	Scopus
1250	Article	Mishra R.K.; Gariya B.; Savvasere P.; Dhir D.; Kumar P.; Mohanty K.	Thermocatalytic Pyrolysis of Waste Areca Nut into Renewable Fuel and Value-Added Chemicals	2024	ACS Omega	9	24	25779	25792	13	10.1021/acsomega.3c10184	American Chemical Society	24701343	All Open Access; Gold Open Access; Green Open Access	Scopus
1251	Article	Chakraborty B.; Borgohain M.M.; Saikia E.; Trivedi G.; Adhikary N.C.	First-Principles Study of the Electronic and Optical Properties of Sn-BeO Heterostructure	2024	Journal of Electronic Materials	53	7	3746	3755	9	10.1007/s11664-024-11031-x	Springer	3615235		Scopus
1252	Article	Barman D.; Majhi B.R.	Field theory in Rindler frame and more on the correspondence with thermal field theory formalisms	2024	Annals of Physics	465					10.1016/j.aop.2024.169678	Academic Press Inc.	34916		Scopus
1253	Article	Nitu N.; Jamir M.; Borah J.P.; Srinivasan A.	Impact of Iron Oxide Phases on the Magnetic Induction Heating Capacity of Mesoporous 45SiO2-16.5CaO-24.5Na2O-6P2O5-8Fe3O4 Glass-Ceramics	2024	Journal of Physical Chemistry B	128	25	6112	6122	10	10.1021/acs.jpbc.4c02485	American Chemical Society	15206106		Scopus
1254	Article	Das D.; Bhan C.; Mukherjee C.; Golder A.K.	Improved selectivity of electrochemical aniline sensing using one-dimensional silver nanorods with high aspect ratio synthesized by ascorbic acid assisted method	2024	Analytica Chimica Acta	1310					10.1016/j.aca.2024.342697	Elsevier B.V.	32670		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1255	Article	Biswas N.; Mukherjee A.; Bhattacharya S.	“Are you feeling sick?” – A systematic literature review of cybersickness in virtual reality	2024	ACM Computing Surveys	56	11				10.1145/3670008	Association for Computing Machinery	3600300	All Open Access; Bronze Open Access	Scopus
1256	Article	Chattopadhyay A.; Das S.; Pradhan C.	Second-order trace formulas	2024	Mathematische Nachrichten	297	7	2581	2608	27	10.1002/mana.202200295	John Wiley and Sons Inc	0025584X	All Open Access; Green Open Access	Scopus
1257	Article	Konwar M.; Hazarika N.; Sarmah B.K.; Das A.	Ruthenium(II)-Catalyzed Oxidative Annulation of Imidazo[1,5-a]quinolin-2-iums Salts and Internal Alkynes via C–H Bond Activation	2024	Chemistry - A European Journal	30	33				10.1002/chem.202401133	John Wiley and Sons Inc	9476539		Scopus
1258	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	18	10.1007/s11665-023-08335-0	Springer	10599495		Scopus
1259	Review	Khatua R.; Bhar B.; Dey S.; Jaiswal C.; Victoria J.; Mandal B.B.	Advances in engineered nanosystems: immunomodulatory interactions for therapeutic applications	2024	Nanoscale	16	27	12820	12856	36	10.1039/d4nr00680a	Royal Society of Chemistry	20403364		Scopus
1260	Article	Mahanta B.; Sarma A.K.; Kakoty S.K.	Harmonising Stakeholders’ Perspectives: a Watershed Project Desirability Index	2024	Water Conservation Science and Engineering	9	1				10.1007/s41101-024-00242-2	Springer Nature	23663340		Scopus
1261	Article	Bhuyan A.J.; Nath P.P.; Bharali S.J.; Saikia L.	A novel μ3-CO3 bridged linear polymeric Cu-complex ([Cu3(DMAP)8(μ3-CO3)2]I2)n·xH2O: synthesis, characterization and catalytic applications in the synthesis of phenoxypyrimidines and arylthiopyrimidines via C-O and C-S cross-coupling reactions	2024	RSC Advances	14	26	18478	18488	10	10.1039/d4ra00001c	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access; Green Open Access	Scopus
1262	Article	Rajbongshi B.K.; Abdullah S.; Lama B.; Bhattacharyya H.P.; Sarma M.	Regioselective and solvent-dependent photoisomerization induced internal conversion in red fluorescent protein chromophore analogues	2024	RSC Advances	14	26	18373	18384	11	10.1039/d4ra00988f	Royal Society of Chemistry	20462069	All Open Access; Gold Open Access; Green Open Access	Scopus
1263	Article	Duong C.; Raghuram V.C.; Lee A.; Mao R.; Mengaldo G.; Cambria E.	Neurosymbolic AI for Mining Public Opinions about Wildfires	2024	Cognitive Computation	16	4	1531	1553	22	10.1007/s12559-023-10195-8	Springer	18669956		Scopus
1264	Article	Parida A.; Kumar A.; Muthukumar P.; Dalal A.	Experimental and numerical investigations on synergistic coupling of metal hydride hydrogen storage systems with low-temperature proton exchange membrane fuel-cell	2024	Thermal Science and Engineering Progress	51					10.1016/j.tsep.2024.102620	Elsevier Ltd	24519049		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1265	Article	Gohri S.; Madan J.; Samajdar D.P.; Bhattarai S.; Mohammed M.K.A.; Khalid Hossain M.; Ferdous Rahman M.; Al-Mousoi A.K.; Al-Ammar E.A.; Pandey R.	Achieving 24.6 % efficiency in 2D perovskite solar cells: Bandgap tuning and MXene contact optimization in (BDA)(MA)n–1PbnI3n+1 structures	2024	Chemical Physics Letters	845					10.1016/j.cplett.2024.141291	Elsevier B.V.	92614		Scopus
1266	Article	Banerjee A.; Chah C.N.; Dhal M.K.; Madhu K.; Dhobale K.V.; Rattan B.; Katiyar V.; Sekharan S.	Microenvironment of Landfill-Mined Soil-Like Fractions (LMSF): Evaluating the Polymer Composting Potential Using Metagenomics and Geoenvironmental Characterization	2024	International Journal of Environmental Research	18	3				10.1007/s41742-024-00598-2	Springer Science and Business Media Deutschland GmbH	17356865		Scopus
1267	Article	Chanu M.A.; Adil L.R.; Iyer P.K.	Receptor-Free AIEE-Conjugated Polymer Nanoparticle-Based PoC Device for Amplified Detection of Pendimethalin	2024	ACS Applied Polymer Materials	6	12	6988	6996	8	10.1021/acsapm.4c00546	American Chemical Society	26376105		Scopus
1268	Article	Siddique S.; Hart J.L.; Niedzielski D.; Singha R.; Han M.-G.; Funni S.D.; Colletta M.; Kiani M.T.; Schnitzer N.; Williams N.L.; Kourkoutis L.F.; Zhu Y.; Schoop L.M.; Arias T.A.; Cha J.J.	Realignment and suppression of charge density waves in the rare-earth tritellurides R Te3 (R=La, Gd, Er)	2024	Physical Review B	110	1				10.1103/PhysRevB.110.014111	American Physical Society	24699950		Scopus
1269	Article	Rao B.R.; Tiwari R.	Identification of the Asymmetric Transmission Error and Gear Mesh Dynamic Parameters using Full-Spectrum Responses in a Geared-Rotor System	2024	Journal of Dynamics, Monitoring and Diagnostics	3	2	112	142	30	10.37965/jdmd.2024.517	Intelligence Science and Technology Press Inc.	2833650X	All Open Access; Hybrid Gold Open Access	Scopus
1270	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	8	10.1140/epjs/s11734-024-01146-x	Springer Science and Business Media Deutschland GmbH	19516355		Scopus
1271	Article	Sarma N.J.; Dey A.	Improvement of Long-Term Performance of Unpaved Road Constructed Over Marginalized Subsoil Using Geotextile Reinforcement	2024	International Journal of Geosynthetics and Ground Engineering	10	3				10.1007/s40891-024-00550-6	Springer Science and Business Media Deutschland GmbH	21999260		Scopus
1272	Review	Bhat C.; Prajapati M.J.; Kumar A.; Jeng J.-Y.	Additive Manufacturing-Enabled Advanced Design and Process Strategies for Multi-Functional Lattice Structures	2024	Materials	17	14				10.3390/ma17143398	Multidisciplinary Digital Publishing Institute (MDPI)	19961944	All Open Access; Gold Open Access; Green Open Access	Scopus
1273	Article	Hussain R.; Ali S.M.; Pugazhenth G.; Banerjee T.	Quantum chemical pathways for the formation of 2,3,7,8-tetrachloro dibenzo-p-dioxin (TCDD) from 2,4,5-trichlorophenol: a mechanistic and thermo-kinetic study	2024	Journal of Molecular Modeling	30	7				10.1007/s00894-024-05999-w	Springer Science and Business Media Deutschland GmbH	16102940		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1274	Article	Sharma N.; Kapoor K.; Anirudh V.	Design and evaluation of Swift routing for payment channel network	2024	Blockchain: Research and Applications	5	2				10.1016/j.bcra.2023.100179	Zhejiang University	20967209	All Open Access; Gold Open Access	Scopus
1275	Article	Bhattacharyya M.; Shadangi K.P.; Purkayastha R.; Mahanta P.; Mohanty K.	Co-pyrolysis of coal and biomass blends: Impact of pyrolysis temperature and biomass blending on thermal stability of coal, and composition of pyrolysis products	2024	Process Safety and Environmental Protection	187		1010	1021	11	10.1016/j.psep.2024.05.037	Institution of Chemical Engineers	9575820		Scopus
1276	Article	Haque M.R.; Maity S.; Maity D.; Mambrini Y.	Quantum effects on the evaporation of PBHs: contributions to dark matter	2024	Journal of Cosmology and Astroparticle Physics	2024	7				10.1088/1475-7516/2024/07/002	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
1277	Article	Bouزيد R.; Gritli H.; Gritli J.	Investigating Feed-Forward Back-Propagation Neural Network with Different Hyperparameters for Inverse Kinematics of a 2-DoF Robotic Manipulator: A Comparative Study	2024	Chaos Theory and Applications	6	2	90	110	20	10.51537/chaos.1375866	Akif AKGUL	26874539	All Open Access; Gold Open Access; Green Open Access	Scopus
1278	Article	Haq I.; Kalamdhad A.S.; Malik A.	Bioremediation of petroleum refinery wastewater using Bacillus subtilis IH-1 and assessment of its toxicity	2024	Archives of Microbiology	206	7				10.1007/s00203-024-04027-y	Springer Science and Business Media Deutschland GmbH	3028933		Scopus
1279	Article	Mondal K.; Goswami M.; Goud V.V.; Katiyar V.	Optimization of guar gum-based anti-browning coating for prolonging the shelf life of cut potatoes	2024	International Journal of Biological Macromolecules	269					10.1016/j.ijbiomac.2024.132051	Elsevier B.V.	1418130		Scopus
1280	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
1281	Article	Jana P.; Kumar N.; Deka B.	Weak Galerkin finite element methods for semilinear Klein–Gordon equation on polygonal meshes	2024	Computational and Applied Mathematics	43	4				10.1007/s40314-024-02745-z	Springer Nature	22383603		Scopus
1282	Article	De S.; Ghosh D.; Das G.	Luminogenic and Bactericidal Studies of an Acrylonitrile-Based AIEgen	2024	Chemistry - An Asian Journal	19	11				10.1002/asia.202400148	John Wiley and Sons Ltd	18614728		Scopus
1283	Article	Chattopadhyay A.; Giri D.; Srivastava R.K.	QUALITATIVE UNCERTAINTY PRINCIPLE ON CERTAIN LIE GROUPS	2024	Journal of the Australian Mathematical Society	116	3	289	307	18	10.1017/S1446788723000150	Cambridge University Press	14467887		Scopus
1284	Article	Sarma N.J.; 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	27	10.1007/s40098-024-00866-0	Springer	9719555		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1285	Article	Agrawal A.; Kundu S.; Ahmad T.; Bhatt M.	ReLAP-Net: Residual Learning and Attention Based Parallel Network for Hyperspectral and Multispectral Image Fusion	2024	Photogrammetric Engineering and Remote Sensing	90	7	395	403	8	10.14358/PERS.24-00003R2	American Society for Photogrammetry and Remote Sensing	991112		Scopus
1286	Article	Assegie M.A.; Siram O.; Kalita P.; Sahoo N.	Novel small-scale spring actuated scissor-jack assembled isobaric compressed air energy storage tank: Design analysis and simulation	2024	Journal of Energy Storage	89					10.1016/j.est.2024.111627	Elsevier Ltd	2352152X		Scopus
1287	Article	Sulakashna; Barman R.	Diagonal hypersurfaces and elliptic curves over finite fields and hypergeometric functions	2024	Finite Fields and their Applications	96					10.1016/j.ffa.2024.102397	Academic Press Inc.	10715797	All Open Access; Green Open Access	Scopus
1288	Article	Chao Y.-D.; Liu S.-C.; Yeh D.-Q.; Kumar A.; Tsai J.-T.; Prajapati M.J.; Jeng J.-Y.	Development of Carbon Black Coating on TPU Elastic Powder for Selective Laser Sintering	2024	Materials	17	13				10.3390/ma17133363	Multidisciplinary Digital Publishing Institute (MDPI)	19961944	All Open Access; Gold Open Access; Green Open Access	Scopus
1289	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
1290	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
1291	Article	Hazarika G.; Das S.; Das N.M.; Manna D.	A pH-responsive covalent organic network: morphology change leads to capture and removal of phosphate ions from water	2024	Journal of Materials Chemistry A	12	30	19559	19566	7	10.1039/d4ta03277b	Royal Society of Chemistry	20507488		Scopus
1292	Review	Allampalli S.S.P.; Sivaprakasam S.	Unveiling the potential of specific growth rate control in fed-batch fermentation: bridging the gap between product quantity and quality	2024	World Journal of Microbiology and Biotechnology	40	6				10.1007/s11274-024-03993-1	Springer Science and Business Media B.V.	9593993		Scopus
1293	Article	Mishra S.N.; Khatua M.	Reliable and Delay Efficient Multi-Path RPL for Mission Critical IoT Applications	2024	IEEE Transactions on Mobile Computing	23	6	6983	6996	13	10.1109/TMC.2023.3328346	Institute of Electrical and Electronics Engineers Inc.	15361233		Scopus
1294	Article	Barman R.; Singh A.; Singh G.	Arithmetic Properties of Certain t-Regular Partitions	2024	Annals of Combinatorics	28	2	439	457	18	10.1007/s00026-023-00649-z	Birkhauser	2180006		Scopus
1295	Article	Guo Y.; Hadden J.P.; Gorrini F.; Coccia G.; Bharadwaj V.; Kavatamane V.K.; Alam M.S.; Ramponi R.; Barclay P.E.; Chiappini A.; Ferrari M.; Kubanek A.; Bifone A.; Eaton S.M.; Bennett A.J.	Laser-written waveguide-integrated coherent spins in diamond	2024	APL Photonics	9	7				10.1063/5.0209294	American Institute of Physics	23780967	All Open Access; Gold Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1296	Article	Rajput A.S.; Kapil S.; Das M.	Surface Enhancement of Additively Manufactured Bone Plate Through Hybrid-Electrochemical Magnetorheological Finishing Process	2024	3D Printing and Additive Manufacturing	11	3	e1380	e1393	138	10.1089/3dp.2023.0028	Mary Ann Liebert Inc.	23297662		Scopus
1297	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
1298	Article	Duarah P.; Joardar S.; Debnath B.; Purkait M.K.	Optimized extraction of polyphenols from tea factory waste and cost-effective drying methods for sustainable utilization	2024	Bioresource Technology Reports	26					10.1016/j.biteb.2024.101833	Elsevier Ltd	2589014X		Scopus
1299	Article	Sahoo G.S.; Bhattarai S.; Feddi E.; Verma M.; Rashed A.N.Z.; Saidani O.; Mishra G.P.	Unveiling the potential of lead-free Cs2AgBiBr6 (CABB) perovskite for solar cell application	2024	Solar Energy Materials and Solar Cells	271					10.1016/j.solmat.2024.112873	Elsevier B.V.	9270248		Scopus
1300	Article	Dubey S.; Majumder S.K.	Carbon Dioxide (CO2) Microbubble Suspension and Stabilization for Advancing Tertiary Oil Recovery	2024	Energy and Fuels	38	12	11330	11355	25	10.1021/acs.energyfuels.4c01673	American Chemical Society	8870624		Scopus
1301	Article	Adhikari S.; Dhongde N.R.; Talukdar M.K.; Khan S.; Rajaraman P.V.	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	18	10.1007/s13369-024-08812-1	Springer Nature	2193567X		Scopus
1302	Article	Aswal S.; Ghosh K.; Giri P.K.	Borophene Quantum Dots with Strong Photoluminescence for Selective Metal Ion Sensing	2024	ACS Applied Nano Materials	7	10	11634	11644	10	10.1021/acsanm.4c01204	American Chemical Society	25740970		Scopus
1303	Article	Kumar S.; Uniyal A.; Chakrabarti S.	Shadow and weak gravitational lensing of rotating traversable wormhole in nonhomogeneous plasma spacetime	2024	Physical Review D	109	10				10.1103/PhysRevD.109.104012	American Physical Society	24700010	All Open Access; Green Open Access	Scopus
1304	Article	Dubey A.A.; Machale J.; Ravi K.; Dhami N.K.; Mukherjee A.	Rheological Properties of Xanthan-Gum Solutions and Their Role in Improving River Embankments	2024	Geotechnical and Geological Engineering	42	4	2387	2401	14	10.1007/s10706-023-02678-0	Springer Science and Business Media Deutschland GmbH	9603182		Scopus
1305	Article	Watpade A.D.; Thakor S.; Jain P.; Mohapatra P.P.; Vaja C.R.; Joshi A.; Shah D.V.; Tariqul Islam M.	Comparative analysis of machine learning models for predicting dielectric properties in MoS2 nanofiller-reinforced epoxy composites	2024	Ain Shams Engineering Journal	15	6				10.1016/j.asej.2024.102754	Ain Shams University	20904479		Scopus
1306	Article	Ghosh A.; Ferdous Rahman M.; Kuddus A.; Mohammed M.K.A.; Rasidul Islam M.; Bhattarai S.; Chaudhry A.R.; Irfan A.	Investigating of novel inorganic cubic perovskites of A3BX3 (A=Ca, Sr, B[dbnd]P, As, X=I, Br) and their photovoltaic performance with efficiency over 28%	2024	Journal of Alloys and Compounds	986					10.1016/j.jallcom.2024.174097	Elsevier Ltd	9258388		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1307	Article	Roy A.; Joshi J.C.; Cardillo M.; Sarmah P.; Sarkar R.; Chakraborty S.	Gamma-rays and neutrinos from giant molecular cloud populations in the galactic plane	2024	Journal of Cosmology and Astroparticle Physics	2024	6				10.1088/1475-7516/2024/06/074	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
1308	Article	Borah P.; Mitra S.; Reang D.	Geochemical fractionation of iron in paper industry and municipal landfill soils: Ecological and health risks insights	2024	Environmental Research	250					10.1016/j.envres.2024.118508	Academic Press Inc.	139351		Scopus
1309	Article	Zubair M.; Naik M U.K.; Tripathy R.K.; Alhartomi M.; Alzahrani S.; Ahamed S.R.	Detection of Sleep Apnea from ECG Signals Using Sliding Singular Spectrum Based Subpattern Principal Component Analysis	2024	IEEE Transactions on Artificial Intelligence	5	6	2897	2906	9	10.1109/TAI.2023.3329455	Institute of Electrical and Electronics Engineers Inc.	26914581		Scopus
1310	Article	Seenivasan A.N.; Chakrabarti S.; Majhi B.R.	Hydrodynamics of (1+1) dimensional fluid in the presence of gravitational anomaly from first order thermodynamics	2024	Journal of Cosmology and Astroparticle Physics	2024	6				10.1088/1475-7516/2024/06/069	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
1311	Article	Sontakke A.D.; Gupta P.; Banerjee S.K.; Purkait M.K.	Chitosan-grafted folic acid decorated one-dimensional GONS: A biocompatible drug cargo for targeted co-delivery of anticancer agents	2024	International Journal of Biological Macromolecules	271					10.1016/j.ijbiomac.2024.132621	Elsevier B.V.	1418130		Scopus
1312	Article	Saha S.; Bora S.N.	Analysis of Wave Force and Run-Up Acting on an Impermeable Vertical Circular Cylinder Surrounded by Multiple Thick Porous Layers	2024	Journal of Offshore Mechanics and Arctic Engineering	146	3				10.1115/1.4063497	American Society of Mechanical Engineers (ASME)	8927219		Scopus
1313	Article	Singha S.; Manna M.; Pramanik S.; Bhandari S.	Surfactant-Assisted Förster Resonance Energy Transfer from a Quantum Dot Complex for Highly Stable White Light Emission	2024	Journal of Physical Chemistry Letters	15	19	5315	5322	7	10.1021/acs.jpcllett.4c00552	American Chemical Society	19487185		Scopus
1314	Article	Barman S.; Majhi B.R.; Sriramkumar L.	Radiative processes of single and entangled detectors on circular trajectories in (2+1)-dimensional Minkowski spacetime	2024	Physical Review D	109	10				10.1103/PhysRevD.109.105025	American Physical Society	24700010		Scopus
1315	Article	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	21	10.1007/s40098-024-00867-z	Springer	9719555		Scopus
1316	Article	Banerjee R.; Bhattacharya S.; Majhi B.R.	Sengupta transformations and Carrollian relativistic theory	2024	European Physical Journal C	84	6				10.1140/epjc/s10052-024-12959-4	Springer Nature	14346044	All Open Access; Gold Open Access	Scopus
1317	Article	Kumar A.; Muthukumar P.	Experimental investigation on hydrogen transfer in coupled metal hydride reactors for multistage hydrogen purification application	2024	Applied Energy	363					10.1016/j.apenergy.2024.123076	Elsevier Ltd	3062619		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1318	Article	Bhattarai S.; Barman P.; Borah A.; Sarma P.; Kanti Sikdar M.; Sarmah P.; Samajdar D.P.; Madan J.	Efficiency enhancement of hybrid-solar cell by optimizing CuSCN and V2O5 based dual hole transport layer	2024	Solar Energy	275					10.1016/j.solener.2024.112652	Elsevier Ltd	0038092X		Scopus
1319	Article	Wang C.-T.; Dwivedi K.A.; Lui W.-M.	Exploring the role of domesticated resistors in batch-mode microbial desalination cell	2024	Chemosphere	358					10.1016/j.chemosphere.2024.142173	Elsevier Ltd	456535		Scopus
1320	Article	Shweta S.; Kundu D.	Screening of neoteric solvents for gossypol extraction from cottonseed oil	2024	Chemical Papers	78	8	5005	5017	12	10.1007/s11696-024-03448-9	Springer Science and Business Media Deutschland GmbH	3666352		Scopus
1321	Article	Quraishi S.; Nudrat S.; Kumari K.; Marboh E.W.M.; Aguan K.; Singha Roy A.	Elucidation of inhibitory effects of bioactive anthraquinones towards formation of DNA advanced glycation end products (DNA-AGEs)	2024	International Journal of Biological Macromolecules	269					10.1016/j.ijbiomac.2024.131810	Elsevier B.V.	1418130		Scopus
1322	Article	Mandal A.; Singh S.; Arora A.; Nambiar S.S.; Ghosh S.S.; Khan A.T.	l-Proline-catalysed synthesis of chromeno[2,3-b]chromene from 4-hydroxy-2H-chromene-2-thione and an anti-proliferative study	2024	Organic and Biomolecular Chemistry	22	26	5333	5345	12	10.1039/d4ob00509k	Royal Society of Chemistry	14770520		Scopus
1323	Article	Terhijja V.; Sarmah P.	Voice onset time in Angami	2024	Linguistics of the Tibeto-Burman Area	47	1	32	56	24	10.1075/ltba.00016.ter	John Benjamins Publishing Company	7313500		Scopus
1324	Article	Roy S.S.; Ghosh K.; Meyyappan M.; Giri P.K.	High green index electromagnetic interference shields with semiconducting Bi2S3 fillers in a PEDOT:PSS matrix	2024	Materials Horizons	11	15	3695	3705	10	10.1039/d4mh00273c	Royal Society of Chemistry	20516347		Scopus
1325	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	#####	491	502	11	10.1007/s11104-023-06474-w	Springer Science and Business Media Deutschland GmbH	0032079X		Scopus
1326	Article	Pal T.; Bhowmik S.; Ameer Suhail M.; Sharma S.; Peela N.R.; Sastri C.V.; Iyer P.K.	Composites of Reduced Graphene Oxide and MAPbI3 Crystals for Photocatalytic Hydrogen Generation	2024	ACS Applied Nano Materials	7	10	12163	12170	7	10.1021/acsanm.4c01909	American Chemical Society	25740970		Scopus
1327	Article	Biroju R.K.; Maity D.; Vretenár V.; Vanco; Sharma R.; Sahoo M.R.; Kumar J.; Gayathri G.; Narayanan T.N.; Nayak S.K.	Quantification of alloy atomic composition sites in 2D ternary MoS2(1-x)Se2x and their role in persistent photoconductivity, enhanced photoresponse and photo-electrocatalysis	2024	Materials Today Advances	22					10.1016/j.mtadv.2024.100504	Elsevier Ltd	25900498	All Open Access; Gold Open Access	Scopus
1328	Article	Satyam S.; Patra S.	Innovations and challenges in adsorption-based wastewater remediation: A comprehensive review	2024	Heliyon	10	9				10.1016/j.heliyon.2024.e29573	Elsevier Ltd	24058440	All Open Access; Gold Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1329	Article	Prusty J.R.; Mallick S.	Powerloom in Textile Industry: A Study of Siminoi Powerloom Cluster of Dhenkanal District in Odisha	2024	Journal of Asian and African Studies	59	4	1117	1134	17	10.1177/00219096221130351	SAGE Publications Ltd	219096		Scopus
1330	Letter	Datta A.; Marfatia D.; Mukherjee L.	Hint of a new scalar interaction in LHCb data?	2024	European Physical Journal C	84	6				10.1140/epjc/s10052-024-12890-8	Springer Nature	14346044	All Open Access; Gold Open Access; Green Open Access	Scopus
1331	Review	Tahsina Mazumder J.; Pandey S.; Jha R.K.	Homoatomic flatlands beyond graphene: A new avenue for gas sensors	2024	Coordination Chemistry Reviews	507					10.1016/j.ccr.2024.215747	Elsevier B.V.	108545		Scopus
1332	Article	He F.; Wang Y.; Debnath T.; Döblinger M.; Akkerman Q.A.; 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	John Wiley and Sons Inc	21951071		Scopus
1333	Article	Roy R.; Dwivedy S.K.	Nonlinear dynamics of magnetically coupled double beam based piezoelectric energy harvester under galloping excitation	2024	Sensors and Actuators A: Physical	371					10.1016/j.sna.2024.115288	Elsevier B.V.	9244247		Scopus
1334	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
1335	Article	Barman S.; Majhi B.R.	Optimization of entanglement depends on whether a black hole is extremal	2024	General Relativity and Gravitation	56	6				10.1007/s10714-024-03259-z	Springer	17701	All Open Access; Green Open Access	Scopus
1336	Article	Chettri D.; Verma A.K.; Ghosh S.; Verma A.K.	Biogas from lignocellulosic feedstock: current status and challenges	2024	Environmental Science and Pollution Research	31	27	1	26	25	10.1007/s11356-023-29805-x	Springer	9441344		Scopus
1337	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
1338	Article	Mishra M.; Saikia A.	A note on the simultaneous 3-divisibility of class numbers of tuples of real quadratic fields	2024	Ramanujan Journal	64	2	465	474	9	10.1007/s11139-024-00834-5	Springer	13824090		Scopus
1339	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
1340	Article	Mazhar S.; Atif N.; Bhuyan M.K.; Ahamed S.R.	Rethinking DABNet: Light-Weight Network for Real-Time Semantic Segmentation of Road Scenes	2024	IEEE Transactions on Artificial Intelligence	5	6	3098	3108	10	10.1109/TAI.2023.3341976	Institute of Electrical and Electronics Engineers Inc.	26914581		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1341	Article	Nandi P.; Majhi B.R.; Debnath N.; Kala S.	Quantum ballet by gravitational waves: Generating entanglement's dance of revival-collapse and memory within the quantum system	2024	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	853					10.1016/j.physletb.2024.138706	Elsevier B.V.	3702693	All Open Access; Gold Open Access; Green Open Access	Scopus
1342	Article	Shah A.A.; Rachman M.G.; Kumar R.; Vashistha A.; Dashora A.; Mahoor M.	Pre-disposed tectonic subsidence controls flood hazards and unplanned urbanisation dominates the flood disasters in the Pliocene to Holocene Kashmir basin, NW Himalayas	2024	Quaternary Science Advances	14					10.1016/j.qsa.2024.100173	Elsevier Ltd	26660334	All Open Access; Gold Open Access	Scopus
1343	Article	Biswas S.; Bora S.K.; Arandhara P.J.; Saikia A.K.	Regioselective synthesis of spiro quinazolinones via sequential hydroalkoxylation and intramolecular amide-cyclization of alkynol ureas	2024	New Journal of Chemistry	48	23	10756	10761	5	10.1039/d4nj01745e	Royal Society of Chemistry	11440546		Scopus
1344	Article	Bhattacharya S.; Mondal N.; Roshan R.; Vatsyayan D.	Leptogenesis, dark matter and gravitational waves from discrete symmetry breaking	2024	Journal of Cosmology and Astroparticle Physics	2024	6				10.1088/1475-7516/2024/06/029	Institute of Physics	14757516	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1345	Article	Roy D.; Mishra T.T.; Parashar C.K.; 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	6	10.1007/s11665-024-09207-x	Springer	10599495		Scopus
1346	Review	Verma S.K.; Prasad A.; Sonika; Katiyar V.	State of art review on sustainable biodegradable polymers with a market overview for sustainability packaging	2024	Materials Today Sustainability	26					10.1016/j.mtsust.2024.100776	Elsevier Ltd	25892347		Scopus
1347	Article	Chakraborty P.; Mahanta A.	The role of financial and physical assets as substitute or complementary to land as collateral in credit market: Evidence from Indian households	2024	Economic Systems	48	2				10.1016/j.ecosys.2024.101182	Elsevier B.V.	9393625		Scopus
1348	Erratum	Bhattacharyya R.; El-Emam R.S.; Khalid F.	Corrigendum to “Climate action for the shipping industry: Some perspectives on the role of nuclear power in maritime decarbonization” [e-Prime - Advances in Electrical Engineering, Electronics and Energy, Volume 4 (2023), Article Number 100132](S277267112300027X)(10.1016/j.prime.2023.100132)	2024	e-Prime - Advances in Electrical Engineering, Electronics and Energy	8					10.1016/j.prime.2024.100616	Elsevier Ltd	27726711	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1349	Article	Pandey A.; De M.	Molybdenum enhanced hydrogen production by E. faecium IITGEN1: An optimization study	2024	International Journal of Hydrogen Energy	66		294	303	9	10.1016/j.ijhydene.2024.03.365	Elsevier Ltd	3603199		Scopus
1350	Review	Nayak N.; Bhujle R.R.; Nanje-Gowda N.A.; Chakraborty S.; Siliveru K.; Subbiah J.; Brennan C.	Advances in the novel and green-assisted techniques for extraction of bioactive compounds from millets: A comprehensive review	2024	Heliyon	10	10				10.1016/j.heliyon.2024.e30921	Elsevier Ltd	24058440	All Open Access; Gold Open Access; Green Open Access	Scopus
1351	Article	Boddepalli U.; Gandhi I.S.R.; Panda B.	Synergistic effect of fly ash and polyvinyl alcohol fibers in improving stability, rheology, and mechanical properties of 3D printable foam concrete	2024	Construction and Building Materials	429					10.1016/j.conbuildmat.2024.136464	Elsevier Ltd	9500618		Scopus
1352	Article	Das P.; Roy K.; Barbora L.; Moholkar V.S.	Interactive effects in biodesulfurization of model oil containing dibenzothiophene and 4,6-dimethyl dibenzothiophene using Rhodococcus rhodochrous MTCC 3552	2024	Bioresource Technology Reports	26					10.1016/j.biteb.2024.101842	Elsevier Ltd	2589014X		Scopus
1353	Article	Barukial P.; Ahmed B.; Singha B.; Chetia P.; Das N.K.; Thakur S.; Sinha U.B.; Bezbaruah B.	Some Co(II)-Schiff base complexes as promising anticancer agents: A DFT and molecular docking study	2024	Indian Journal of Biochemistry and Biophysics	61	6	354	370	16	10.56042/ijbb.v61i6.8609	National Institute of Science Communication and Policy Research	3011208	All Open Access; Gold Open Access	Scopus
1354	Article	Saha A.; Sekharan S.; Manna U.	Effect of Water Absorbing Polymer Amendment on Performance of Capacitance Soil Moisture Sensor	2024	Advances in Civil Engineering Materials	13	1	116	133	17	10.1520/ACEM20230041	ASTM International	23791357		Scopus
1355	Article	Nandi A.; Das S.; Majumder S.; Katoch T.; Antia H.M.; Shah P.	Discovery of evolving low-frequency QPOs in hard X-rays (~100 keV) observed in black hole Swift J1727.8–1613 with AstroSat	2024	Monthly Notices of the Royal Astronomical Society	531	1	1149	1157	8	10.1093/mnras/stae1208	Oxford University Press	358711	All Open Access; Gold Open Access	Scopus
1356	Article	Parmar R.; Yadav K.; Anand G.; Trivedi G.	An SNN-Inspired Area- and Power-Efficient VLSI Architecture of Myocardial Infarction Classifier for Wearable Devices	2024	IEEE Transactions on Circuits and Systems II: Express Briefs	71	6	3191	3195	4	10.1109/TCSII.2024.3355016	Institute of Electrical and Electronics Engineers Inc.	15497747		Scopus
1357	Article	Uwamahoro S.; Liu T.; Nzabarinda V.; Muhigire J.; Umugwaneza A.; Maniraho A.P.; Ingabire D.	Assessing hydrological interactions, soil erosion intensities, and vegetation dynamics in Nyabarongo River tributaries: a SWAT and RUSLE modeling approach	2024	Modeling Earth Systems and Environment	10	3	4317	4335	18	10.1007/s40808-024-02013-3	Springer Science and Business Media Deutschland GmbH	23636203		Scopus
1358	Article	Unnikrishnan J.; Hegde M.; Girisa S.; Satpati P.; Kunnumakkara A.B.	Ellagic Acid-Gold Nanoparticle Complex as Anticancer Agent in Triple-Negative Breast Cancer Cells	2024	Nano LIFE	14	2				10.1142/S179398442450003X	World Scientific	17939844		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1359	Article	Panda S.; Shivakumar D.; Majumder Y.; Gupta C.N.; Hazra B.	Real-time dynamic analysis of EEG Response for Live Indian Classical Vocal Stimulus with Therapeutic Indications	2024	Smart Health	32					10.1016/j.smhl.2024.100461	Elsevier B.V.	23526483		Scopus
1360	Article	Kakati N.; Ahari D.; Parmar P.R.; Deshmukh O.S.; Bandyopadhyay D.	Lactic Acid-Induced Colloidal Microrheology of Synovial Fluids	2024	ACS Biomaterials Science and Engineering	10	5	3378	3386	8	10.1021/acsbiomaterials.3c01846	American Chemical Society	23739878		Scopus
1361	Article	Prasannavenkadesan V.; Singaravelu C.	Reduction of pollutant emissions from a heat treatment furnace	2024	Environmental Science and Pollution Research	31	27	38676	38680	4	10.1007/s11356-022-25025-x	Springer	9441344		Scopus
1362	Article	Maurya A.K.; Mushahary S.K.; Singh T.G.; Singh K.D.	Mechanical Performance of Corroded TMT Steel Rebars Under Post-Fire Conditions	2024	Journal of The Institution of Engineers (India): Series A	105	2	399	408	9	10.1007/s40030-024-00795-4	Springer	22502149		Scopus
1363	Article	Pramanick R.; Ray T.S.; Sil A.	Toward a more complete description of hybrid leptogenesis	2024	Physical Review D	109	11				10.1103/PhysRevD.109.115011	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
1364	Article	Rajbonshi M.P.; Mitra S.; Bhattacharyya P.	Agro-technologies for greenhouse gases mitigation in flooded rice fields for promoting climate smart agriculture	2024	Environmental Pollution	350					10.1016/j.envpol.2024.123973	Elsevier Ltd	2697491		Scopus
1365	Article	Sharma M.; Chand K.; De A.K.	Dominant heat transfer mechanism with conical roughness in a cubical box in turbulent Rayleigh-Bénard convection	2024	Physics of Fluids	36	6				10.1063/5.0206619	American Institute of Physics	10706631		Scopus
1366	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
1367	Article	Das S.; Nudrat S.; Maity S.; Jana M.; Belwal V.K.; Singha Roy A.	Isoflavones and lysozyme interplay: Molecular insights into binding mechanisms and inhibitory efficacies of isoflavones against protein modification	2024	Chemical Physics Impact	8					10.1016/j.chphi.2024.100643	Elsevier B.V.	26670224	All Open Access; Gold Open Access	Scopus
1368	Article	Shakya P.; Kumar Sinha R.	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	45	10.1007/s11075-023-01669-9	Springer	10171398		Scopus
1369	Article	Sankar S.; Gupta R.; Jose J.; Nandi S.	Sec-NoC: A Lightweight Secure Communication System for On-Chip Interconnects	2024	IEEE Embedded Systems Letters	16	2	214	217	3	10.1109/LES.2023.3333561	Institute of Electrical and Electronics Engineers Inc.	19430663		Scopus
1370	Article	Mohta R.; Prathapani S.; Ghosh P.	Jump-Drop Adjusted Prediction of Cumulative Infected Cases Using the Modified SIS Model	2024	Annals of Data Science	11	3	959	978	19	10.1007/s40745-023-00467-3	Springer Science and Business Media Deutschland GmbH	21985804		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1371	Article	Mishra R.K.; Vijay S.; Soni S.; Dhanraj B.S.; Kumar P.; Mohanty K.	Thermo-catalytic co-pyrolysis of waste biomass and non-recyclable polyethylene using ZSM-5 into renewable fuels and value-added chemicals	2024	Journal of the Energy Institute	114					10.1016/j.joei.2024.101651	Elsevier B.V.	17439671	All Open Access; Hybrid Gold Open Access	Scopus
1372	Article	Sankar N.G.; Nag S.; Chakrabarty S.P.; Basu S.	The carbon premium: Correlation or causality? Evidence from S&P 500 companies	2024	Energy Economics	134					10.1016/j.eneco.2024.107635	Elsevier B.V.	1409883	All Open Access; Hybrid Gold Open Access	Scopus
1373	Editorial	Kumar M.; Honda R.; Snow D.; Mazumder P.; Bhattacharya P.	COVID-19 in environment: Treatment, Infectivity, Monitoring, Estimation (TIME)	2024	Current Opinion in Environmental Science and Health	39					10.1016/j.coesh.2024.100551	Elsevier B.V.	24685844		Scopus
1374	Article	Dutta L.; Bharali S.; Barman P.; Singh A.	An IoT-Enabled Smart pH Monitoring and Dispensing System for Precision Agriculture Application	2024	Agricultural Research	13	2	309	318	9	10.1007/s40003-024-00702-0	Springer	2249720X		Scopus
1375	Article	Behera P.K.; Chen F.-R.; Mondal I.; Lenka S.; Gautam P.; Khatiwoda N.; Siddiqui I.; Krishnaprasad V.E.; Ahmed R.; Shankar Rao D.S.; Senanayak S.P.; Jou J.-H.; Achalkumar A.S.	Superior electron mobility, red electroluminescence with high quantum efficiency from printable room temperature columnar liquid crystalline perylene bisimide	2024	Chemical Engineering Journal	488					10.1016/j.cej.2024.150762	Elsevier B.V.	13858947		Scopus
1376	Article	Kumar Bhowmik B.; Rohith K.M.; John S.; Prabhu S.; Kumar G.	High-quality factor Quasi-BIC mode via selective symmetry-breaking approach in a terahertz metasurface	2024	New Journal of Physics	26	6				10.1088/1367-2630/ad570e	Institute of Physics	13672630	All Open Access; Gold Open Access	Scopus
1377	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	19	10.1002/pca.3336	John Wiley and Sons Ltd	9580344		Scopus
1378	Article	Karmakar R.; Maity D.	Sonoluminescence: Photon production in time-dependent analog systems	2024	Physical Review D	109	10				10.1103/PhysRevD.109.105016	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
1379	Article	Singh D.; Sengar M.; Patel S.K.; Kumar D.; Pal D.; Giri B.S.; Singh D.	Drying characteristics of thin layer of potato (Solanum tuberosum): experimental and computational studies	2024	Environmental Science and Pollution Research	31	27	38658	38675	17	10.1007/s11356-022-25121-y	Springer	9441344		Scopus
1380	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
1381	Review	Nirmal Ravi Kumar K.; Ramesh Babu T.; Deshmukh S.S.	Nurturing Growth: Agri-Startup Landscape in India and the Challenges Ahead	2024	Research on World Agricultural Economy	5	2	131	149	18	10.36956/rwae.v5i2.1073	Nan Yang Academy of Sciences Pte. Ltd	27374777		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1382	Article	Gorain B.; Mandal P.S.; 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.	7437315	All Open Access; Green Open Access	Scopus
1383	Article	Dhilipkumar T.; Arumugam S.; Rajesh M.; Venkatesan R.; Sasikumar R.; Al-Asbahi B.A.	Evaluating the flexural and vibrational response of carbon nanotube strengthened co-cured sandwich composites	2024	Carbon Letters	34	5	1443	1452	9	10.1007/s42823-024-00710-8	Springer	19764251		Scopus
1384	Article	Das P.; Tiwari P.; Lee J.-M.	Multistep kinetic analysis of additive-enhanced plastic degradation	2024	Chemical Engineering Journal	488					10.1016/j.cej.2024.150960	Elsevier B.V.	13858947		Scopus
1385	Article	Ojha S.; Agarwal K.; Shelke A.; Habib A.	Quantification of impedance and mechanical properties of Zeonor using scanning acoustic microscopy	2024	Applied Acoustics	221					10.1016/j.apacoust.2024.109981	Elsevier Ltd	0003682X	All Open Access; Hybrid Gold Open Access	Scopus
1386	Article	Kumar S.; Saha A.	Utilization of coconut shell biomass residue to develop sustainable biocomposites and characterize the physical, mechanical, thermal, and water absorption properties	2024	Biomass Conversion and Biorefinery	14	12	12815	12831	16	10.1007/s13399-022-03293-4	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1387	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
1388	Article	Sankar Saha S.; Nayak S.; Bhattacharya S.; Paul S.; Banerjee S.; Bhattacharya S.	Exploring the chemical physics in tetraphenylporphyrin-N-methylfulleropyrrolidine supramolecular complex by spectroscopic investigations and quantum chemical calculations	2024	Chemical Physics	582					10.1016/j.chemphys.2024.112280	Elsevier B.V.	3010104		Scopus
1389	Article	Gu J.; Luposchainsky S.; Yagi S.; Du L.; Dong Y.; Sakurai S.; Xu H.	Ultralong and highly axially aligned nerve guide conduits produced by electro-centrifugal spinning	2024	Polymer	303					10.1016/j.polymer.2024.127110	Elsevier Ltd	323861		Scopus
1390	Article	Bahndral A.; Shams R.; Dash K.K.; Ali N.A.; Shaikh A.M.; Kovács B.	Microwave assisted extraction of cellulose from lemon grass: Effect on techno-functional and microstructural properties	2024	Journal of Agriculture and Food Research	16					10.1016/j.jafr.2024.101170	Elsevier B.V.	26661543	All Open Access; Gold Open Access	Scopus
1391	Review	Kamboj A.; Dumka S.; Saxena M.K.; Singh Y.; Kaur B.P.; da Silva S.J.R.; Kumar S.	A Comprehensive Review of Our Understanding and Challenges of Viral Vaccines against Swine Pathogens	2024	Viruses	16	6				10.3390/v16060833	Multidisciplinary Digital Publishing Institute (MDPI)	19994915	All Open Access; Gold Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1392	Article	Gangrade A.; Zehtabi F.; Rashad A.; Haghniaz R.; Falcone N.; Mandal K.; Khosravi S.; Deka S.; Yamauchi A.; Voskanian L.; Kim H.-J.; Ermis M.; Khademhosseini A.; de Barros N.R.	Nanobioactive blood-derived shear-thinning biomaterial for tissue engineering applications	2024	Applied Materials Today	38					10.1016/j.apmt.2024.102250	Elsevier Ltd	23529407		Scopus
1393	Article	De A.K.; Sarkar S.	Vortex-shedding modes of a streamwise and transversely rotating sphere undergoing vortex-induced vibrations	2024	Physics of Fluids	36	6				10.1063/5.0216388	American Institute of Physics	10706631		Scopus
1394	Article	Deka C.; Dutta M.K.; Yazdanpanah M.; Komendantova N.	When ‘fear factors’ motivate people to adopt electric vehicles in India: An empirical investigation of the protection motivation theory	2024	Cleaner and Responsible Consumption	13					10.1016/j.clrc.2024.100191	Elsevier Ltd	26667843	All Open Access; Gold Open Access; Green Open Access	Scopus
1395	Article	Bhowmick P.; Lanzon A.	Dynamic dissipative characterisation of time-domain input–output negative imaginary systems	2024	Automatica	164					10.1016/j.automatica.2024.111620	Elsevier Ltd	51098		Scopus
1396	Article	Haloi J.; Borsaikia A.C.; Singh K.D.	New design equations for predicting web crippling capacity of pultruded GFRP profile	2024	Structures	64					10.1016/j.istruc.2024.106481	Elsevier Ltd	23520124		Scopus
1397	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	28	10.1007/s10479-023-05716-5	Springer	2545330	All Open Access; Green Open Access	Scopus
1398	Article	Srivastava T.; Basu D.N.	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	Elsevier Ltd	179310		Scopus
1399	Article	Nag S.; Bhat A.S.; Chakrabarty S.P.	STUDYING THE AGE OF ONSET AND DETECTION OF CHRONIC MYELOID LEUKEMIA USING A THREE-STAGE STOCHASTIC MODEL	2024	Journal of Biological Systems	32	2	529	546	17	10.1142/S0218339024500190	World Scientific	2183390		Scopus
1400	Article	Reddy P.R.; Anki Reddy K.; Kumar A.	Comparative Retention Analysis of Intercalated Cations Inside the Interlayer Gallery of Lamellar and Nonlamellar Graphene Oxide Membranes in Reverse Osmosis Process: A Molecular Dynamics Study	2024	Journal of Physical Chemistry B	128	21	5218	5227	9	10.1021/acs.jpcc.4c01623	American Chemical Society	15206106		Scopus
1401	Article	Borah D.; Jyoti Das S.; Roshan R.	Probing high scale seesaw and PBH generated dark matter via gravitational waves with multiple tilts	2024	Nuclear Physics B	1002					10.1016/j.nuclphysb.2024.116528	Elsevier B.V.	5503213	All Open Access; Gold Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1402	Article	Abbas M.; Narayan J.; Dwivedy S.K.	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	15	10.1177/09544062231208722	SAGE Publications Ltd	9544062		Scopus
1403	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
1404	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 B.V.	10106030		Scopus
1405	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
1406	Article	Jain S.; Bora S.N.	Impact of Two Vertical Porous Barriers in Reflection of Water Waves and Mitigation of Wave Forces on a Rigid Floating Structure with Consideration of Uniform Current Over a Porous Sea-Bed	2024	International Journal of Applied Mechanics	16	4				10.1142/S1758825124500492	World Scientific	17588251		Scopus
1407	Article	Dhami S.; Khatun M.N.; Sengupta C.; Iyer P.K.; Pandey R.	Substitution effects on the photoinduced excited state dynamics of perylenemonoimides in solution and thin films	2024	Physical Chemistry Chemical Physics	26	21	15600	15610	10	10.1039/d4cp00993b	Royal Society of Chemistry	14639076		Scopus
1408	Article	Bhattarai S.	Designing a more efficient CsSnI3 based perovskite solar cell with novel bio-synthesized ZnO-NP as ETL	2024	Materials Chemistry and Physics	318					10.1016/j.matchemphys.2024.129269	Elsevier Ltd	2540584		Scopus
1409	Article	Nazari E.; Mitra S.; Abbassi S.; Das S.	Accretion flows around spinning compact objects in the post-Newtonian regime	2024	Journal of Cosmology and Astroparticle Physics	2024	5				10.1088/1475-7516/2024/05/117	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
1410	Article	Kulkarni N.D.; 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	13	10.1002/pc.28194	John Wiley and Sons Inc	2728397		Scopus
1411	Article	Mishra R.K.; Mohanty K.; Wang X.	Pyrolysis kinetics behavior and pyrolysate compositions analysis of agriculture waste toward the production of sustainable renewable fuel and chemicals	2024	Environmental Progress and Sustainable Energy	43	3				10.1002/ep.14357	John Wiley and Sons Inc	19447442	All Open Access; Hybrid Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1412	Article	Duong T.X.; Itskov M.; Sauer R.A.	Response to David Steigmann’s discussion of our paper	2024	Mathematics and Mechanics of Solids	29	5	1038	1044	6	10.1177/10812865231224106	SAGE Publications Inc.	10812865	All Open Access; Green Open Access	Scopus
1413	Article	Bhabak A.; Saha S.	Partially observable discrete-time discounted Markov games with general utility	2024	Operations Research Letters	54					10.1016/j.orl.2024.107113	Elsevier B.V.	1676377	All Open Access; Green Open Access	Scopus
1414	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
1415	Article	Shome R.; Sen P.; Sarkar S.; Ghosh S.S.	Single-cell transcriptomics reveals the intra-tumoral heterogeneity and SQSTM1/P62 and Wnt/ β -catenin mediated epithelial to mesenchymal transition and stemness of triple-negative breast cancer	2024	Experimental Cell Research	438	1				10.1016/j.yexcr.2024.114032	Elsevier Inc.	144827		Scopus
1416	Review	Das S.; Chandukishore T.; Ulaganathan N.; Dhodduraj K.; Gorantla S.S.; Chandna T.; Gupta L.K.; Sahoo A.; Atheena P.V.; Raval R.; Anjana P.A.; DasuVeeranki V.; Prabhu A.A.	Sustainable biorefinery approach by utilizing xylose fraction of lignocellulosic biomass	2024	International Journal of Biological Macromolecules	266					10.1016/j.ijbiomac.2024.131290	Elsevier B.V.	1418130		Scopus
1417	Article	Gogoi R.; Madeshwaran H.; Pratim Das P.; Garg P.; Nath N.; Saikia B.; Raidongia K.	Fabrication of robust and versatile ionic thermoelectric devices of natural clay minerals	2024	Chemical Engineering Journal	487					10.1016/j.cej.2024.150440	Elsevier B.V.	13858947		Scopus
1418	Article	Samanta S.; Paul S.; Debnath T.	Obtaining Ligand-Free Aqueous Au-Nanoparticles Using Reversible CsPbBr ₃ ↔ Au@CsPbBr ₃ Nanocrystal Transformation	2024	Small	20	19				10.1002/sml.202311712	John Wiley and Sons Inc	16136810		Scopus
1419	Article	Majumder S.; Basu D.N.; Natarajan G.	Partially-saturated-cells approach for conjugate heat transfer problems	2024	Computers and Fluids	274					10.1016/j.compfluid.2024.106232	Elsevier Ltd	457930		Scopus
1420	Article	Bharti R.R.; Dwivedy S.K.	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	13	10.1177/09596518231204799	SAGE Publications Ltd	9596518		Scopus
1421	Article	Choudhary S.; Garai R.; Gupta R.K.; Afroz M.A.; Sharma T.; Yukta N.; Sharma B.; Iyer P.K.; Satapathi S.	Hot Carrier Cooling Mediated Efficiency Enhancement in Diamine Passivated Perovskite Solar Cells	2024	ACS Applied Energy Materials	7	9	3709	3717	8	10.1021/acsaem.4c00082	American Chemical Society	25740962		Scopus
1422	Article	Dash S.R.; Bag S.S.; Golder A.K.; Ivaturi A.	Ultrasensitive electrochemical sensors based on Cu and Cu@Ag nanorods for simultaneous heavy metal detection	2024	Materials Chemistry and Physics	318					10.1016/j.matchemphys.2024.129255	Elsevier Ltd	2540584		Scopus
1423	Article	Murari H.; Ghosh S.	Symmetry lowering through surface engineering and improved thermoelectric properties in Janus MXenes	2024	Nanoscale	16	23	11336	11349	13	10.1039/d4nr00568f	Royal Society of Chemistry	20403364		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1424	Article	Uniyal A.; Chakrabarti S.; Das S.	Study of relativistic accretion flow in the f(R) theory of gravity	2024	Physics of the Dark Universe	44					10.1016/j.dark.2024.101429	Elsevier B.V.	22126864		Scopus
1425	Article	Sandhya S.; Talukdar J.; Gogoi G.; Dey K.S.; Das B.; Baishya D.	Impact of coconut kernel extract on carcinogen-induced skin cancer model: Oxidative stress, C-MYC proto-oncogene and tumor formation	2024	Heliyon	10	8				10.1016/j.heliyon.2024.e29385	Elsevier Ltd	24058440	All Open Access; Gold Open Access; Green Open Access	Scopus
1426	Article	Behera B.K.; Gour S.K.; Biswas S.	Refractive index for the mechanical refraction of a relativistic particle	2024	European Physical Journal D	78	5				10.1140/epjd/s10053-024-00849-z	Springer Science and Business Media Deutschland GmbH	14346060		Scopus
1427	Article	Bhattacharya A.; Manivannan V.	Colorimetric detection of Pd2+ and Ni2+ ions using a probe having benzo[d]imidazo[2,1-b]thiazole and pyrene rings: Application in detection of Pd2+ ion in anti-hypertensive drugs	2024	Microchemical Journal	200					10.1016/j.microc.2024.110440	Elsevier Inc.	0026265X		Scopus
1428	Article	Pathak P.; Bisht G.S.; Srinivasan A.	Thickness dependence of structural and magnetic properties of electrodeposited Co2FeSn films	2024	Thin Solid Films	795					10.1016/j.tsf.2024.140311	Elsevier B.V.	406090		Scopus
1429	Article	Kumar A.; Narayanan R.G.; Muthu N.	Manufacture of honeycomb core sandwich structures by hybrid approaches: Analysis using lab scale experiments and numerical simulation	2024	Thin-Walled Structures	198					10.1016/j.tws.2024.111739	Elsevier Ltd	2638231		Scopus
1430	Article	Mukherjee P.; Das R.; Jawed M.	Assessment of routine operation and maintenance work of a small community water treatment plant in North Guwahati, Assam, India	2024	Groundwater for Sustainable Development	25					10.1016/j.gsd.2024.101123	Elsevier B.V.	2352801X		Scopus
1431	Article	Sivakumar S.; Jose J.; Narayanan V.	Enhancing Lifetime and Performance of MLC NVM Caches Using Embedded Trace Buffers	2024	ACM Transactions on Design Automation of Electronic Systems	29	3				10.1145/3659102	Association for Computing Machinery	10844309		Scopus
1432	Article	Singh S.; Mandal S.; Mulpuri S.K.; Sah B.; Kumar P.	Decoding range variability in electric vehicles: Unravelling the influence of cell-to-cell parameter variation and pack configuration	2024	eTransportation	20					10.1016/j.etrans.2024.100329	Elsevier B.V.	25901168	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1433	Article	Shanthi Bhavan J.; Pazhani A.; Robi P.S.; Ambi A.; Tg U.; Kc V.	EBSD characterization of graphene nano sheet reinforced Sn–Ag solder alloy composites	2024	Journal of Materials Research and Technology	30		2768	2780	12	10.1016/j.jmrt.2024.04.043	Elsevier Editora Ltda	22387854	All Open Access; Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1434	Article	Chen C.Y.; Moore S.L.; Maiti R.; Ginsberg J.S.; Jadidi M.M.; Li B.; Chae S.H.; Rajendran A.; Patwardhan G.N.; Watanabe K.; Taniguchi T.; Hone J.; Basov D.N.; Gaeta A.L.	Unzipping hBN with ultrashort mid-infrared pulses	2024	Science Advances	10	18				10.1126/sciadv.adi3653	American Association for the Advancement of Science	23752548	All Open Access; Gold Open Access; Green Open Access	Scopus
1435	Article	Mondal S.K.; Bharti R.	Tracing hydrological, lithological and geothermal sources of Himalayan river system: a case study from the Teesta River Basin	2024	Environmental Earth Sciences	83	9				10.1007/s12665-024-11573-7	Springer Science and Business Media Deutschland GmbH	18666280		Scopus
1436	Article	Kar R.K.	An idea to explore: Cultivating the art of proposal writing among graduate students	2024	Biochemistry and Molecular Biology Education	52	3	369	372	3	10.1002/bmb.21822	John Wiley and Sons Inc	14708175		Scopus
1437	Article	Das A.; Biswas P.; Kapil S.	Influence of Friction Stir Additive Manufacturing Parameters on Dry Friction and Wear Properties of Al-Mg-Si Alloy's Built Surfaces Fabricated by Sheet Lamination	2024	Journal of Tribology	146	5				10.1115/1.4064303	American Society of Mechanical Engineers (ASME)	7424787		Scopus
1438	Article	Kar P.; Venthuruthiyil S.P.; Chunchu M.	Crash risk estimation of Heavy Commercial vehicles on horizontal curves in mountainous terrain using proactive safety method	2024	Accident Analysis and Prevention	199					10.1016/j.aap.2024.107521	Elsevier Ltd	14575		Scopus
1439	Article	Ghani W.; Shah S.R.; Kumar B.	Bed morphology and turbulent anisotropy in a curved flexible bed channel	2024	Water Practice and Technology	19	5	1908	1919	11	10.2166/wpt.2024.108	IWA Publishing	1751231X	All Open Access; Gold Open Access	Scopus
1440	Article	Khatun M.N.; Nandy S.; Roy H.; Ghosh S.S.; Kumar S.; Iyer P.K.	Sulphur-atom positional engineering in perylenimide: structure-property relationships and H-aggregation directed type-I photodynamic therapy	2024	Chemical Science	15	24	9298	9317	19	10.1039/d4sc01180e	Royal Society of Chemistry	20416520		Scopus
1441	Article	Dubey H.; Pradeep A.R.; Neog K.; Debnath R.; Aneesha P.J.; Shah S.K.; Kamatchi I.; Ponnuvel K.M.; Ramesha A.; Vijayan K.; Nongthomba U.; Bora U.; Vankadara S.; VijayaKumari K.M.; Arunkumar K.P.	Genome sequencing and assembly of Indian golden silkmoth, Antheraea assamensis Helfer (Saturniidae, Lepidoptera)	2024	Genomics	116	3				10.1016/j.ygeno.2024.110841	Academic Press Inc.	8887543	All Open Access; Gold Open Access; Green Open Access	Scopus
1442	Article	Ramasamy S.; Pakshirajan K.; Murugan D.; Saini G.K.	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	20	10.1007/s12010-023-04502-0	Springer	2732289		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1443	Article	Talpada N.; Sharma A.S.; Sharma V.S.; Ahmed R.; Mali H.; Shrivastav P.S.; Ammathnadu Sudhakar A.; Varma R.S.	Visible Light Mediated Synthesis of 3-Indolmethyl Chromones via the Cyclization of o-Hydroxyaryl Enaminones with 3-Indoleacetic Acids Catalyzed by Graphitic Carbon Nitride Adorned with Copper Nanoparticles	2024	ChemNanoMat	10	5				10.1002/cnma.202300641	John Wiley and Sons Inc	2199692X		Scopus
1444	Article	Nanjegowda M.V.; Basak S.; Paul T.; Punniyamurthy T.	Palladium-Catalyzed Weak Chelation-Assisted Site-Selective C-H Arylation of N-Aryl Pyridones via 2-fold C-H Activation	2024	Journal of Organic Chemistry	89	9	6564	6574	10	10.1021/acs.joc.4c00216	American Chemical Society	223263		Scopus
1445	Article	Kumar S.; Uniyal A.; Chakrabarti S.	Observational signatures of Rotating compact objects in Plasma space–time	2024	Physics of the Dark Universe	44					10.1016/j.dark.2024.101472	Elsevier B.V.	22126864	All Open Access; Green Open Access	Scopus
1446	Article	Parashar S.; More A.; Prasad J.S.; Muthukumar P.; Soti A.K.	Experimental study on charging and discharging characteristics of copper finned metal hydride reactor for stationary hydrogen storage applications	2024	Journal of Energy Storage	86					10.1016/j.est.2024.111144	Elsevier Ltd	2352152X		Scopus
1447	Article	Borah D.; Dasgupta A.; Saha I.	LIGO-Virgo constraints on dark matter and leptogenesis triggered by a first order phase transition at high scale	2024	Physical Review D	109	9				10.1103/PhysRevD.109.095034	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1448	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 B.V.	10106030		Scopus
1449	Article	Sauer R.A.; Zou Z.; Hughes T.J.R.	A simple and efficient hybrid discretization approach to alleviate membrane locking in isogeometric thin shells	2024	Computer Methods in Applied Mechanics and Engineering	424					10.1016/j.cma.2024.116869	Elsevier B.V.	457825	All Open Access; Green Open Access	Scopus
1450	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
1451	Article	Bhattarai S.	Highly efficient lead-free perovskite solar cells design through SCAPS- 1D simulations	2024	Indian Journal of Physics	98	6	2015	2021	6	10.1007/s12648-023-02977-5	Springer	9731458		Scopus
1452	Article	Verma S.; Kumar A.; Jeng J.-Y.	Ventilated surface-based lattice structures designed for polymer powder bed fusion process	2024	International Journal of Advanced Manufacturing Technology	132	#####	113	126	13	10.1007/s00170-024-13304-5	Springer Science and Business Media Deutschland GmbH	2683768	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1453	Article	Barman M.; Mishra M.; Mandal S.; Punniyamurthy T.	Palladium Catalysis Enabled Sequential C(sp ³)-H/C-C Activation: Access to Vinyl γ-Lactams	2024	Organic Letters	26	18	3722	3726	4	10.1021/acs.orglett.4c00710	American Chemical Society	15237060		Scopus
1454	Article	Kumari S.; Ali A.; Kumar M.	Nucleotide-induced ClpC oligomerization and its non-preferential association with ClpP isoforms of pathogenic Leptospira	2024	International Journal of Biological Macromolecules	266					10.1016/j.ijbiomac.2024.131371	Elsevier B.V.	1418130		Scopus
1455	Article	Kumar A.; BharathwajChetty B.; Manickasamy M.K.; Unnikrishnan J.; Alqahtani M.S.; Abbas M.; Almubarak H.A.; Sethi G.; Kunnumakkara A.B.	Natural compounds targeting YAP/TAZ axis in cancer: Current state of art and challenges	2024	Pharmacological Research	203					10.1016/j.phrs.2024.107167	Academic Press	10436618	All Open Access; Hybrid Gold Open Access	Scopus
1456	Article	Acharya S.; Kishore N.	Influence of reaction parameters on biofuels derived from solvothermal liquefaction of Citrus limetta fruit wastes	2024	Biomass and Bioenergy	184					10.1016/j.biombioe.2024.107183	Elsevier Ltd	9619534		Scopus
1457	Article	Biswas S.; Pattader P.S.G.; Mandal T.K.	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	John Wiley and Sons Ltd	19322135		Scopus
1458	Article	Reza M.S.; Rahman M.F.; Kuddus A.; Mohammed M.K.A.; Pal D.; Ghosh A.; Islam M.R.; Bhattarai S.; Shaaban I.A.; Amami M.	Design and Optimization of High-Performance Novel RbPbBr ₃ -Based Solar Cells with Wide-Band-Gap S-Chalcogenide Electron Transport Layers (ETLs)	2024	ACS Omega	9	18	19824	19836	12	10.1021/acsomega.3c08285	American Chemical Society	24701343	All Open Access; Gold Open Access	Scopus
1459	Article	Saikia P.; Baruah R.D.	GeoTrans: a transfer learning approach for estimating petrophysical properties from geophysical sensors data	2024	Neural Computing and Applications	36	14	7799	7816	17	10.1007/s00521-024-09489-1	Springer Science and Business Media Deutschland GmbH	9410643		Scopus
1460	Article	Nguyen W.; Balchandani S.; Mandal B.; Henni A.	Modeling gas–liquid equilibrium of carbon dioxide in mixtures of (1-butyl-3-methyl-imidazolium acetate + 1-(2-aminoethyl) piperazine + water) and (1-butyl-3-methyl-imidazolium acetate + bis (3-aminopropyl) amine + water) by electrolyte non-random two liquid (e-NRTL) model	2024	International Communications in Heat and Mass Transfer	154					10.1016/j.icheatmasstransfer.2024.107393	Elsevier Ltd	7351933		Scopus
1461	Review	Das P.K.; Sahoo A.; Veeranki V.D.	Recombinant monoclonal antibody production in yeasts: Challenges and considerations	2024	International Journal of Biological Macromolecules	266					10.1016/j.ijbiomac.2024.131379	Elsevier B.V.	1418130		Scopus
1462	Article	Malakar B.; Das D.; Mohanty K.	Evaluation of banana peel hydrolysate as alternate and cheaper growth medium for growth of microalgae Chlorella sorokiniana	2024	Biomass Conversion and Biorefinery	14	9	10361	10371	10	10.1007/s13399-022-03106-8	Springer Science and Business Media Deutschland GmbH	21906815		Scopus
1463	Article	Tao H.; Zheng Z.; Gupta R.; Leung S.S.Y.	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.jheatmasstransfer.2024.125177	Elsevier Ltd	179310		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1464	Article	Jaiswal C.; Mandal B.B.	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	John Wiley and Sons Inc	23663987		Scopus
1465	Article	Borah D.; Mahapatra S.; Nanda D.; Sahoo S.K.; Sahu N.	Singlet-doublet fermion Dark Matter with Dirac neutrino mass, $(g - 2)\mu$ and ΔN_{eff}	2024	Journal of High Energy Physics	2024	5				10.1007/JHEP05(2024)096	Springer Science and Business Media Deutschland GmbH	10298479	All Open Access; Gold Open Access	Scopus
1466	Article	Pradhan P.; Moktan S.; Biswas A.; Das A.; Lenka R.; Kancharla P.K.	Triple Role of Proton Sponge (DMAN) in the Palladium-Catalyzed Direct Stereoselective Synthesis of C-Aryl Glycosides from Glycals	2024	Organic Letters	26	17	3563	3568	5	10.1021/acs.orglett.4c00997	American Chemical Society	15237060		Scopus
1467	Article	Islam M.; Bhardwaj A.; Mainuddin; Kumar G.	Planar terahertz multi-resonator meta-waveguide based upon strongly coupled nested split-ring resonator	2024	Optik	302					10.1016/j.ijleo.2024.171712	Elsevier GmbH	304026		Scopus
1468	Article	Hazra B.; Choudhury J.; Dey A.	Probabilistic translational stability of multilayered cover system based on limited experimental data	2024	International Journal of Geomechanics	24	5				10.1061/IJGNAL.GMEN G-8582	American Society of Civil Engineers (ASCE)	15323641		Scopus
1469	Article	Chouhan B.S.; Barman B.; Vaswani L.K.; Panwar A.; Kumar G.	Broadening of Resonance with the Bending of Strongly Coupled Strip Resonators in a Planar Terahertz Metamaterial	2024	Journal of Lightwave Technology	42	9	3283	3289	6	10.1109/JLT.2024.3353330	Institute of Electrical and Electronics Engineers Inc.	7338724		Scopus
1470	Article	Rajput A.S.; Das M.; Kapil S.	A Hybrid Electrochemical Magnetorheological Finishing Process for Surface Enhancement of Biomedical Implants	2024	Journal of Manufacturing Science and Engineering	146	5				10.1115/1.4064737	American Society of Mechanical Engineers (ASME)	10871357		Scopus
1471	Review	Jing T.; Li J.; He Y.; Shankar A.; Saxena A.; Tiwari A.; Maturi K.C.; Solanki M.K.; Singh V.; Eissa M.A.; Ding Z.; Xie J.; Awasthi M.K.	Role of calcium nutrition in plant Physiology: Advances in research and insights into acidic soil conditions - A comprehensive review	2024	Plant Physiology and Biochemistry	210					10.1016/j.plaphy.2024.108602	Elsevier Masson s.r.l.	9819428		Scopus
1472	Letter	Samantaray T.; Anand M.; Saini J.; Gupta C.N.	Introspection of UBNIN and Modified-UBNIN Algorithms for Structural MRI. Reply to Kelly et al. A Comparison of Brain-State Representations of Binary Neuroimaging Connectivity Data. Comment on “Samantaray et al. Unique Brain Network Identification Number for Parkinson’s and Healthy Individuals Using Structural MRI. Brain Sci. 2023, 13, 1297”	2024	Brain Sciences	14	5				10.3390/brainsci14050424	Multidisciplinary Digital Publishing Institute (MDPI)	20763425	All Open Access; Gold Open Access; Green Open Access	Scopus
1473	Article	Bora A.; Mawlong L.P.L.; Mia A.K.; Giri P.K.	Manipulating Trion and Biexciton Emissions in Monolayer WS2 by Sandwiching with Ultrathin ZnO Layers for Excitonic Light Emission Applications	2024	ACS Applied Nano Materials	7	8	8612	8623	11	10.1021/acsanm.3c006043	American Chemical Society	25740970		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1474	Article	Singh L.G.; Singh S.R.	Sentiment analysis of tweets using text and graph multi-views learning	2024	Knowledge and Information Systems	66	5	2965	2985	20	10.1007/s10115-023-02053-8	Springer Science and Business Media Deutschland GmbH	2191377		Scopus
1475	Article	Mishra A.; Chopra R.	MIMO Radars and Massive MIMO Communication Systems Can Coexist	2024	IEEE Transactions on Vehicular Technology	73	5	6486	6501	15	10.1109/TVT.2023.3337100	Institute of Electrical and Electronics Engineers Inc.	189545	All Open Access; Green Open Access	Scopus
1476	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
1477	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 Ltd	303992		Scopus
1478	Article	Hazarika P.K.; Gogoi P.; Sarmah S.; Das B.; Deori K.; Sarma D.	Sustainable synthesis of 1,4-disubstituted and N-unsubstituted 1,2,3-triazoles using reusable ZnO-CTAB nanocrystals	2024	RSC Sustainability	2	6	1782	1796	14	10.1039/d4su00114a	Royal Society of Chemistry	27538125		Scopus
1479	Article	Barik S.; Panda A.K.; Biswas V.K.; Das S.; Chakraborty A.; Beura S.; Modak R.; Raghav S.K.; Kar R.K.; Biswas A.	Lysine acetylation of Hsp16.3: Effect on its structure, chaperone function and influence towards the growth of Mycobacterium tuberculosis	2024	International Journal of Biological Macromolecules	268					10.1016/j.ijbiomac.2024.131763	Elsevier B.V.	1418130		Scopus
1480	Article	Bhowmik T.; Chakraborty B.; Sikdar D.	All-optical high-contrast femtosecond switching using nonlinearity from an epsilon-near-zero effect in plasmonic metamaterials	2024	Optics Letters	49	9	2397	2400	3	10.1364/OL.521075	Optica Publishing Group (formerly OSA)	1469592		Scopus
1481	Article	Bhattacharya S.; Lahiri J.; Pradhan D.	Detection possibility of a pseudo-FIMP in the presence of a thermal WIMP	2024	Physical Review D	109	9				10.1103/PhysRevD.109.095031	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus
1482	Article	Manna S.K.; Sil A.	Effects of electroweak symmetry breaking on axionlike particles as dark matter	2024	Physical Review D	109	9				10.1103/PhysRevD.109.095036	American Physical Society	24700010	All Open Access; Green Open Access; Hybrid Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1483	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
1484	Article	Bandyopadhyay A.; Ghibhela B.; Shome S.; Hoque S.; Nandi S.K.; Mandal B.B.	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	John Wiley and Sons Inc	27010198		Scopus
1485	Article	Singh K.S.; Sharma A.K.	Simulation on mass removal by recoil pressure, thermal stress, and bubble growth of concrete irradiated by a millisecond Nd: YAG pulsed laser	2024	Optik	302					10.1016/j.ijleo.2024.171699	Elsevier GmbH	304026		Scopus
1486	Article	Singh Chouhan B.; Acharyya N.; Panwar A.; Roy Chowdhury D.; Kumar G.	Multi-stacked polarization insensitive broadband terahertz metamaterial	2024	Journal of Applied Physics	135	17				10.1063/5.0203862	American Institute of Physics	218979	All Open Access; Hybrid Gold Open Access	Scopus
1487	Article	Shaw S.; Ghosh S.	Computational study based prediction of new photocatalysts for water splitting by systematic manipulation of MXene surfaces	2024	Journal of Materials Chemistry C	12	25	9146	9157	11	10.1039/d4tc01236d	Royal Society of Chemistry	20507526		Scopus
1488	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	12	10.1007/s10163-024-01908-8	Springer	14384957		Scopus
1489	Article	Naik K.; Sahoo N.	Aerodynamic performance and starting torque enhancement of small-scale Darrieus type straight-bladed vertical axis wind turbines with J-shaped airfoil	2024	Journal of Renewable and Sustainable Energy	16	3				10.1063/5.0203557	American Institute of Physics	19417012	All Open Access; Bronze Open Access	Scopus
1490	Article	Thakur A.; Kalimullah N.M.M.; 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	Elsevier Ltd	9521976		Scopus
1491	Article	Mazumder J.T.; Nanda A.; Mandal J.R.; Yadav A.; Jha R.K.	Bias Potential Mediated NO Gas Sensor with NiCoO Hollow Micro-Spheres	2024	IEEE Electron Device Letters	45	5	885	888	3	10.1109/LED.2024.3376450	Institute of Electrical and Electronics Engineers Inc.	7413106		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1492	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
1493	Article	Jawed A.; Sharad A.; Chutani A.; Mehak; Pandey L.M.	Amine functionalized Fe(III)-doped-ZnO nanoparticles based alginate beads for the removal of Cu(II) from aqueous solution	2024	Nano-Structures and Nano-Objects	38					10.1016/j.nanoso.2024.101199	Elsevier B.V.	2352507X		Scopus
1494	Article	Gautam; Vishnu G.; Bhowmik D.	Shear Strength Behavior of Clayey Soil Reinforced with Natural Agent-Treated Coir Fiber	2024	Soil Mechanics and Foundation Engineering	61	2	145	152	7	10.1007/s11204-024-09955-x	Springer	380741		Scopus
1495	Article	Kumar V.; Pandey A.; Vishvakarma A.; Kumar A.; Kumar L.; Pal Singh B.	Growth of MAPbI3 perovskite films on MWCNT-modified TiO2 thin films for solar cell applications	2024	Inorganic Chemistry Communications	163					10.1016/j.inoche.2024.112360	Elsevier B.V.	13877003		Scopus
1496	Review	Mohanty P.; Pande B.; Acharya R.; Bhaskar L.V.K.S.; Verma H.K.	Unravelling the Triad of Lung Cancer, Drug Resistance, and Metabolic Pathways	2024	Diseases	12	5				10.3390/diseases12050093	Multidisciplinary Digital Publishing Institute (MDPI)	20799721	All Open Access; Gold Open Access; Green Open Access	Scopus
1497	Article	Kumar K.; Jadhav S.M.; Moholkar V.S.	Acetone-Butanol-Ethanol (ABE) fermentation with clostridial co-cultures for enhanced biobutanol production	2024	Process Safety and Environmental Protection	185		277	285	8	10.1016/j.psep.2024.03.027	Institution of Chemical Engineers	9575820	All Open Access; Green Open Access	Scopus
1498	Review	Bombarde D.S.; Silla L.N.; Gautam S.S.; Nandy A.	A Comprehensive Comparative Review of Various Advanced Finite Elements to Alleviate Shear, Membrane and Volumetric Locking	2024	Archives of Computational Methods in Engineering	31	4	1979	2013	34	10.1007/s11831-023-10050-x	Springer Science and Business Media B.V.	11343060		Scopus
1499	Article	Ramasamy S.; Arun S.; Pugazhenthig.; Pakshirajan K.	Lutein as a high-value product from anaerobic digestate using the microalgae Chlorella vulgaris: Downstream processing and application in poultry	2024	Journal of Water Process Engineering	62					10.1016/j.jwpe.2024.105357	Elsevier Ltd	22147144		Scopus
1500	Article	Barman D.; Bhattacharjee K.; Jha D.K.	Assessment of Soil Bacterial Community Compositions by Structural–Functional Genomics and Soil Edaphic Factors Largely Explain the Impact of Coal Mining	2024	Water, Air, and Soil Pollution	235	5				10.1007/s11270-024-07083-8	Springer Nature	496979		Scopus
1501	Article	Kumar K.; Barbora L.; Moholkar V.S.	Genomic insights into clostridia in bioenergy production: Comparison of metabolic capabilities and evolutionary relationships	2024	Biotechnology and Bioengineering	121	4	1298	1313	15	10.1002/bit.28610	John Wiley and Sons Inc	63592		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1502	Article	Kandpal S.; Bora S.N.	Diffusive wave model in a finite length channel with a concentrated lateral inflow subject to different types of boundary conditions	2024	Physics of Fluids	36	4				10.1063/5.0186831	American Institute of Physics	10706631		Scopus
1503	Article	Sanfui S.; Sharma D.	Soft- and Hard-Kill Hybrid Graphics Processing Unit-Based Bidirectional Evolutionary Structural Optimization	2024	Journal of Computing and Information Science in Engineering	24	4				10.1115/1.4064070	American Society of Mechanical Engineers (ASME)	15309827		Scopus
1504	Review	T. C.; Das S.; Das P.; Veeranki V.D.; Prabhu A.A.	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 Ltd	22133437		Scopus
1505	Article	Dastan D.; Mohammed M.K.A.; Sh. Alnayli R.; M. Majeed S.; Ahmed D.S.; Al-Mousoi A.K.; Pandey R.; Hossain M.K.; Bhattarai S.; Al-Asbahi B.A.; Rahman M.F.	Achieving Well-Oriented FAPbI ₃ Perovskite Photovoltaics by Cyclohexane Modification	2024	Langmuir	40	14	7560	7568	8	10.1021/acs.langmuir.4c00136	American Chemical Society	7437463		Scopus
1506	Article	Aziz F.; Kamal S.M.; Dixit U.S.	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	17	10.1007/s11665-023-09090-y	Springer	10599495		Scopus
1507	Article	Pandey P.; Ray P.; Sharma A.; Qureshi M.	External and internal stimuli for enhanced supercapacitor performance	2024	Applied Physics Letters	124	14				10.1063/5.0199214	American Institute of Physics	36951	All Open Access; Bronze Open Access	Scopus
1508	Article	Ahmad A.; Nair A.M.	Lithological mapping of charnockites using spectral mixture analysis	2024	Remote Sensing Applications: Society and Environment	34					10.1016/j.rsase.2024.101165	Elsevier B.V.	23529385		Scopus
1509	Review	Barooah M.; Kundu S.; Kumar S.; Katare A.; Borgohain R.; Uppaluri R.V.S.; Kundu L.M.; Mandal B.	New generation mixed matrix membrane for CO ₂ separation: Transition from binary to quaternary mixed matrix membrane	2024	Chemosphere	354					10.1016/j.chemosphere.2024.141653	Elsevier Ltd	456535		Scopus
1510	Article	Arya O.P.; Bhatt I.D.; Mohanty K.	Effect of different extraction solvents on bioactive phenolics and antioxidant potential of <i>Illicium griffithii</i> fruit	2024	Journal of Applied Research on Medicinal and Aromatic Plants	40					10.1016/j.jarmap.2024.100547	Elsevier GmbH	22147861		Scopus
1511	Article	Verma K.; Moholkar V.S.	Investigations in Sonoenzymatic Treatment of Industrial Wastewater Using Fe ₃ O ₄ @Laccase Nanocomposites	2024	ACS ES and T Water	4	4	1637	1646	9	10.1021/acsestwater.3c00697	American Chemical Society	26900637		Scopus
1512	Article	Bhattacharya S.; Satpati P.	Why Does the E1219V Mutation Expand T-Rich PAM Recognition in Cas9 from <i>Streptococcus pyogenes</i> ?	2024	Journal of Chemical Information and Modeling	64	8	3237	3247	10	10.1021/acs.jcim.3c01515	American Chemical Society	15499596		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1513	Article	Borah B.; Naik S.; Abhishek V.; Kaushik H.B.; 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	18	10.1007/s40999-023-00922-5	Springer Science and Business Media Deutschland GmbH	17350522		Scopus
1514	Article	Konwar M.; Hazarika N.; Das A.	Ru/O2-Catalyzed Oxidative C-H Activation/Alkyne Annulation Using Quinoline-Functionalized NHC as a Directing and Functionalizable Group	2024	Organic Letters	26	15	2965	2970	5	10.1021/acs.orglett.4c00542	American Chemical Society	15237060		Scopus
1515	Article	Mondal J.K.; 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	29	10.1007/s40098-023-00791-8	Springer	9719555		Scopus
1516	Article	Devi R.; Ray S.	We Know What is Good for Her: Hunar, and Respectable Work for Women	2024	Sociological Bulletin	73	2	205	223	18	10.1177/00380229241234083	SAGE Publications Ltd	380229		Scopus
1517	Article	Barman A.; Das M.	Application of magnetic field assisted finishing process for nanofinishing of freeform femoral knee joint and performance analysis of finished surface	2024	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	238	8	3190	3203	13	10.1177/09544062221135519	SAGE Publications Ltd	9544062		Scopus
1518	Review	Bandyopadhyay A.; Ghibhela B.; Mandal B.B.	Current advances in engineering meniscal tissues: Insights into 3D printing, injectable hydrogels and physical stimulation based strategies	2024	Biofabrication	16	2				10.1088/1758-5090/ad22f0	Institute of Physics	17585082		Scopus
1519	Article	Kaibarta B.; Dasmahapatra A.K.	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 Ltd	2352152X		Scopus
1520	Article	Das R.C.; Khan S.; Ravi T.; Pandey K.	Direct spectroscopy of Rubidium using a narrow-line transition at 420 nm	2024	European Physical Journal D	78	4				10.1140/epjd/s10053-024-00831-9	Springer Science and Business Media Deutschland GmbH	14346060		Scopus
1521	Article	Sarmah P.	New constraints on the gamma-ray and high energy neutrino fluxes from the circumstellar interaction of SN 2023ixf	2024	Journal of Cosmology and Astroparticle Physics	2024	4				10.1088/1475-7516/2024/04/083	Institute of Physics	14757516	All Open Access; Green Open Access	Scopus
1522	Article	Patel H.K.; Qi M.; Kumar B.	Downward seepage effects on flow near a L-shape spur dike and bed morphology	2024	International Journal of Sediment Research	39	2	194	208	14	10.1016/j.ijsrc.2023.11.005	KeAi Communications Co.	10016279	All Open Access; Hybrid Gold Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1523	Article	Kumar A.; Saradhi V.V.; 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	10848045		Scopus
1524	Review	Kumar A.; Singh A.R.; Raghav L.P.; Deng Y.; He X.; Bansal R.C.; Kumar P.; Naidoo R.M.	State-of-the-art review on energy sharing and trading of resilient multi microgrids	2024	iScience	27	4				10.1016/j.isci.2024.109549	Elsevier Inc.	25890042	All Open Access; Gold Open Access	Scopus
1525	Article	Behera P.K.; Chen F.-R.; Gautam P.; Roy M.; Rao D.S.S.; Yelamaggad C.V.; Jou J.-H.; Sudhakar A.A.	Tuning the Liquid Crystallinity and Electroluminescence via Sulfonation of S-Annulated Perylene Tetraester	2024	Chemistry - A European Journal	30	23				10.1002/chem.202304333	John Wiley and Sons Inc	9476539		Scopus
1526	Article	Kumar N.; Mohan M.; Smith J.C.; Simmons B.A.; Singh S.; Banerjee T.	Inhibition of asphaltene aggregation using deep eutectic solvents: COSMO-RS calculations and experimental validation	2024	Journal of Molecular Liquids	400					10.1016/j.molliq.2024.124471	Elsevier B.V.	1677322		Scopus
1527	Article	Balmuchu S.P.; Malapati V.; Chilaka R.R.; Dobbidi P.	Effective strategy for achieving superior energy storage performance in lead-free BaTiO3–Bi(Zn2/3(Nb0.85Ta0.15)1/3)O3 ferroelectric ceramics	2024	Ceramics International	50	8	13782	13793	11	10.1016/j.ceramint.2024.01.293	Elsevier Ltd	2728842		Scopus
1528	Article	Narang K.; Iyer P.K.	Molecular Engineering of Naphthalimide Methylcyclohexane Luminogen: Unraveling J*-Aggregation Pattern and Sensing Melamine in Aqueous Media	2024	CCS Chemistry	6	4	923	931	8	10.31635/ccschem.023.202303123	Chinese Chemical Society	20965745		Scopus
1529	Article	Chauhan D.S.; Mohanty K.	Exploring microalgal nutrient-light synergy to enhance CO2 utilization and lipid productivity in sustainable long-term water recycling cultivation	2024	Journal of Environmental Management	356					10.1016/j.jenvman.2024.120631	Academic Press	3014797		Scopus
1530	Article	Ruidas S.; Pradhan L.; Mohanty B.; Dalapati S.; Kumar S.; Jena B.K.; 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	8	10.1021/acsaem.4c00086	American Chemical Society	25740962		Scopus
1531	Article	Jana S.; Mandal P.S.	Approximation algorithms for drone delivery scheduling with a fixed number of drones	2024	Theoretical Computer Science	991					10.1016/j.tcs.2024.114442	Elsevier B.V.	3043975		Scopus
1532	Article	Singh P.; Dogra P.; Kalamdhad A.S.	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 B.V.	9266690		Scopus
1533	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.COEN G-14124	American Society of Civil Engineers (ASCE)	7339364	All Open Access; Hybrid Gold Open Access	Scopus
1534	Article	Chatterjee K.; Zhang J.; Dixit U.S.	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	18	10.1177/09544062231202324	SAGE Publications Ltd	9544062		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1535	Article	Rajput A.S.; 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	13	10.1177/09544062231175783	SAGE Publications Ltd	9544062		Scopus
1536	Article	Choudhury R.; Ahamed S.R.; 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	14348411		Scopus
1537	Article	Debnath M.; Sarma A.K.; Mahanta C.	Optimizing crop planning in the winter fallow season using residual soil nutrients and irrigation water allocation in India	2024	Heliyon	10	7				10.1016/j.heliyon.2024.e28404	Elsevier Ltd	24058440	All Open Access; Gold Open Access	Scopus
1538	Article	Jaiswal G.; Pan S.C.	BBr3-mediated dearomative spirocyclization of biaryl ynones: facile access to spiro[5.5]dienones	2024	Organic and Biomolecular Chemistry	22	18	3602	3605	3	10.1039/d4ob00274a	Royal Society of Chemistry	14770520		Scopus
1539	Article	Bhardwaj A.K.; Mashreghi J.; Srivastava R.K.	Hilbert Transform, Nevanlinna Class and Toeplitz Kernels	2024	Complex Analysis and Operator Theory	18	3				10.1007/s11785-024-01521-5	Birkhauser	16618254		Scopus
1540	Article	Konidena S.; Vowinckel B.; Seto R.; Anki Reddy K.; Singh A.	Mechanism for axial pattern formation of concentrated suspension in a horizontal rotating cylinder	2024	Journal of Fluid Mechanics	985					10.1017/jfm.2024.286	Cambridge University Press	221120	All Open Access; Hybrid Gold Open Access	Scopus
1541	Article	Kiran U.; Sharma D.; Gautam S.S.	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	John Wiley and Sons Ltd	295981		Scopus
1542	Article	Wagh C.D.; Gandhi I.S.R.	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 Ltd	23527102		Scopus
1543	Article	Maji S.; Natesan S.	Superconvergence analysis of interior penalty discontinuous Galerkin method for a class of time-fractional diffusion problems	2024	Computational and Applied Mathematics	43	3				10.1007/s40314-024-02648-z	Springer Nature	22383603	All Open Access; Green Open Access	Scopus
1544	Article	Bora S.K.; Biswas S.; Behera B.K.; Saikia A.K.	Stereoselective synthesis of gem-dihalopiperidines via the halo-aza-Prins cyclization reaction: access to piperidin-4-ones and pyridines	2024	Organic and Biomolecular Chemistry	22	19	3893	3903	10	10.1039/d4ob00338a	Royal Society of Chemistry	14770520		Scopus
1545	Article	Sufian A.; Parihar N.; Badirujjaman M.; Barman P.; Kesarwani R.; Pemmaraju D.B.; Bhabak K.P.	Inflammatory-stimuli-responsive turn-on NIR fluorogenic theranostic prodrug: adjuvant delivery of diclofenac and hydrogen sulfide attenuates acute inflammatory disorders	2024	Journal of Materials Chemistry B	12	17	4248	4261	13	10.1039/d3tb02552g	Royal Society of Chemistry	2050750X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1546	Article	Issac A.C.; 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	22	10.1108/JMP-05-2022-0217	Emerald Publishing	2683946		Scopus
1547	Article	Medhi B.; Nath U.; Sarma M.	Revisiting fulgide photochromism: Mechanistic decoding and electron transport from computational exploration	2024	Journal of Chemical Physics	160	15				10.1063/5.0203307	American Institute of Physics	219606		Scopus
1548	Article	Padhi P.; Mehta S.K.; Agarwal K.; Mondal P.K.	Intermittent flow influences plant root growth: A phytofluidics approach	2024	Physics of Fluids	36	4				10.1063/5.0195085	American Institute of Physics	10706631	All Open Access; Hybrid Gold Open Access	Scopus
1549	Article	Nanda H.; Siddagangaiah A.K.	Effect of RAP fractionation and dosage on design and mechanical behaviour of cold asphalt mixes	2024	Construction and Building Materials	422					10.1016/j.conbuildmat.2024.135773	Elsevier Ltd	9500618		Scopus
1550	Article	Ngoune B.B.; Dumon M.; Vignesh B.; Bondu B.; Subbiah S.; Perrin G.; Bila S.; Dejous C.; Lebental B.; Hallil H.	Comparison of Calibration Strategies for a High Sensitivity PEI-Based RF Humidity Sensor	2024	IEEE Sensors Journal	24	8	13518	13529	11	10.1109/JSEN.2024.3367594	Institute of Electrical and Electronics Engineers Inc.	1530437X	All Open Access; Green Open Access	Scopus
1551	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	Institute of Physics	9538984		Scopus
1552	Review	Singh Y.P.; Bandyopadhyay A.; Dey S.; Bhardwaj N.; Mandal B.B.	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	Institute of Physics	25161091		Scopus
1553	Article	Baishya B.; Nayek K.	Probing pole-skipping through scalar Gauss-Bonnet coupling	2024	Nuclear Physics B	1001					10.1016/j.nuclphysb.2024.116521	Elsevier B.V.	5503213	All Open Access; Gold Open Access; Green Open Access	Scopus
1554	Article	Jaiswal V.; Kanagaraj S.	Structural testing of a passive polycentric knee joint with advanced functionalities designed and developed for patient-specific fitting	2024	Journal of the Brazilian Society of Mechanical Sciences and Engineering	46	4				10.1007/s40430-024-04837-7	Springer Science and Business Media Deutschland GmbH	16785878		Scopus
1555	Article	Das S.K.; Agrawal V.; Gautam S.S.	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 Science and Business Media Deutschland GmbH	16785878		Scopus
1556	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	Elsevier Ltd	9521976		Scopus
1557	Article	Durgaprasad K.; Pal S.; Das M.	Metallurgical and mechanical properties evolution in cusp-magnetic field-assisted GTAW of low carbon steel	2024	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	238	8	3148	3161	13	10.1177/09544062221135520	SAGE Publications Ltd	9544062		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1558	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 Inc.	963003		Scopus
1559	Article	Dutta A.; Kanaujia S.P.	The Structural Features of MlaD Illuminate its Unique Ligand-Transporting Mechanism and Ancestry	2024	Protein Journal	43	2	298	315	17	10.1007/s10930-023-10179-5	Springer	15723887		Scopus
1560	Article	Pal S.; Maity D.; Do T.Q.	Magnetogenesis from an anisotropic universe	2024	Physical Review D	109	8				10.1103/PhysRevD.109.083507	American Physical Society	24700010	All Open Access; Green Open Access	Scopus
1561	Article	Dolai S.; Basu S.; Paul A.	Influence of dimensionality on optical properties of doped assembly of gold nanoclusters	2024	Journal of Materials Chemistry C	12	20	7463	7471	8	10.1039/d4tc00123k	Royal Society of Chemistry	20507526		Scopus
1562	Article	Pandit S.K.; 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	Elsevier B.V.	13861425		Scopus
1563	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
1564	Article	Islam M.; Baroi M.K.; Das B.K.; Kumari A.; Das K.; Ahmed S.	Chemically fueled dynamic switching between assembly-encoded emissions	2024	Materials Horizons	11	13	3104	3114	10	10.1039/d4mh00251b	Royal Society of Chemistry	20516347		Scopus
1565	Article	Das N.; Borah D.	Light Dirac neutrino portal dark matter with gauged U (1)B-L symmetry	2024	Physical Review D	109	7				10.1103/PhysRevD.109.075045	American Physical Society	24700010	All Open Access; Hybrid Gold Open Access	Scopus
1566	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	11	10.1007/s12633-024-02845-9	Springer Science and Business Media B.V.	1876990X		Scopus
1567	Article	Verma S.; Ravi S.	Altering the magnetic and dielectric responses of polycrystalline Gadolinium iron garnet by Al substitution	2024	Ceramics International	50	8	13022	13033	11	10.1016/j.ceramint.2024.01.212	Elsevier Ltd	2728842		Scopus
1568	Article	Ashok S.P.; 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	22	10.2166/wcc.2024.465	IWA Publishing	20402244	All Open Access; Gold Open Access	Scopus
1569	Article	Mondal A.; Pal D.; Phukan H.J.; Roy M.; Kumar S.; Purkayastha S.; Guha A.K.; Srimani D.	Manganese Complex Catalyzed Sequential Multi-component Reaction: Enroute to a Quinoline-Derived Azafluorenes	2024	ChemSusChem	17	7				10.1002/cssc.202301138	John Wiley and Sons Inc	18645631		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1570	Article	Pandey A.M.; Kapil S.; Das M.	A novel approach of thick coating through selective jet electrodeposition process	2024	Surface Engineering	40	4	438	452	14	10.1177/02670844241258711	SAGE Publications Inc.	2670844		Scopus
1571	Article	Meher R.; Pan S.C.	Organocatalytic Asymmetric Dearomative Spirocyclization/Oxa-Michael Addition Sequence: Synthesis of Polycyclic Tetralones	2024	Organic Letters	26	15	3179	3183	4	10.1021/acs.orglett.4c00781	American Chemical Society	15237060		Scopus
1572	Article	Kharphanbuh S.M.; Baruah P.K.; Khare A.; Nath A.	Bubble-assisted microstreaming during electrode deposition of Mn2O3 energy harvesters	2024	Physical Chemistry Chemical Physics	26	18	13973	13978	5	10.1039/d3cp05939a	Royal Society of Chemistry	14639076		Scopus
1573	Article	Hazra S.K.; Addepalli L.; Pathak P.K.; Dey T.N.	Nondegenerate two-photon lasing in a single quantum dot	2024	Physical Review B	109	15				10.1103/PhysRevB.109.155428	American Physical Society	24699950	All Open Access; Green Open Access	Scopus
1574	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	7	10.1016/j.dam.2024.01.029	Elsevier B.V.	0166218X		Scopus
1575	Article	Satpathy J.K.; Yadav R.; Bagha U.K.; Kumar D.; Sastri C.V.; de Visser S.P.	Enhanced Reactivity through Equatorial Sulfur Coordination in Nonheme Iron(IV)-Oxo Complexes: Insights from Experiment and Theory	2024	Inorganic Chemistry	63	15	6752	6766	14	10.1021/acs.inorgchem.4c00070	American Chemical Society	201669		Scopus
1576	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	11	10.1021/acs.jpcb.4c00057	American Chemical Society	15206106	All Open Access; Green Open Access	Scopus
1577	Article	Nana A.; Tchummegne I.K.; Tome S.; Adesina A.; Alomayri T.; Singla R.; Kaze R.C.; Kamseu E.; Kumar S.; Leonelli C.	Comparison of feldspar and meta-halloysite geopolymers by alkaline and acidic activation	2024	Construction and Building Materials	424					10.1016/j.conbuildmat.2024.135953	Elsevier Ltd	9500618		Scopus
1578	Article	Nath U.; Sarma M.	Realization of efficient and selective NO and NO2 detection via surface functionalized h-B2S2 monolayer	2024	Physical Chemistry Chemical Physics	26	16	12386	12396	10	10.1039/d4cp00332b	Royal Society of Chemistry	14639076		Scopus
1579	Article	Kakati S.; Chakraborty D.	GLARE laminate subjected to multiple oblique low velocity impacts considering frictional tangential compliance	2024	International Journal of Solids and Structures	291					10.1016/j.ijsolstr.2024.112701	Elsevier Ltd	207683		Scopus
1580	Article	Alom S.E.; Kalita S.; Kawa A.H.; Mandal B.; Swaminathan R.	Early events during the aggregation of Aβ16-22-derived switch-peptides tracked using Protein Charge Transfer Spectra	2024	Analytica Chimica Acta	1297					10.1016/j.aca.2024.342374	Elsevier B.V.	32670		Scopus
1581	Article	Arfa N.; Parmar P.R.; Bandyopadhyay D.	Self-Organized Synthesis of Nanoserpent Clusters on Templated Starch for Sensitive Detection of Pancreatic α-Amylase	2024	ACS Sustainable Chemistry and Engineering	12	13	5075	5085	10	10.1021/acssuschemeng.3c06403	American Chemical Society	21680485		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1582	Article	Hossain S.S.; Volkmer D.; Biswas S.	Naphthalimide functionalized metal-organic framework for rapid and nanomolar level detection of hydrazine and anti-hypertensive drug nocardipine	2024	Dalton Transactions	53	20	8812	8822	10	10.1039/d4dt00818a	Royal Society of Chemistry	14779226		Scopus
1583	Article	Tadi S.R.R.; 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	21	10.1007/s12649-023-02257-7	Springer Science and Business Media B.V.	18772641		Scopus
1584	Article	Pandey V.K.; De S.; Nandi S.	Automated aerial assessment for seamless adaptive adhoc restoration in partially collapsed network	2024	Computer Communications	219		153	172	19	10.1016/j.comcom.2024.03.010	Elsevier B.V.	1403664		Scopus
1585	Article	Behera P.K.; Lenka S.; Chen F.-R.; Gautam P.; Siddiqui I.; Rao D.S.S.; Jou J.-H.; Achalkumar A.S.	Highly fluorescent room temperature liquid crystalline S-annulated swallow tail perylene bisimide exhibiting enhanced electroluminescence (EQE > 11%)	2024	Journal of Materials Chemistry C	12	19	6893	6904	11	10.1039/d3tc04407f	Royal Society of Chemistry	20507526		Scopus
1586	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
1587	Review	Das B.; Dahiya A.; Patel B.K.	Isothiocyanates: happy-go-lucky reagents in organic synthesis	2024	Organic and Biomolecular Chemistry	22	19	3772	3798	26	10.1039/d4ob00281d	Royal Society of Chemistry	14770520		Scopus
1588	Article	Bandyopadhyay A.; Ghibhela B.; Shome S.; Pal D.; Nandi S.K.; Mandal B.B.	Silk-based injectable photocurable hydrogel loaded with autologous growth factors for patient-specific repair of meniscal defects in vivo	2024	Applied Materials Today	37					10.1016/j.apmt.2024.102111	Elsevier Ltd	23529407		Scopus
1589	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	Elsevier Ltd	255408		Scopus
1590	Review	Chettri D.; Verma A.K.; Verma A.K.	Bioaugmentation: an approach to biological treatment of pollutants	2024	Biodegradation	35	2	117	135	18	10.1007/s10532-023-10050-5	Springer Science and Business Media B.V.	9239820		Scopus
1591	Article	Kumar A.; Khwairakpam M.	A comparative study with vermifilter and geofilter for domestic wastewater treatment and its Phyto-toxicity efficacy	2024	Journal of Water Process Engineering	60					10.1016/j.jwpe.2024.105245	Elsevier Ltd	22147144		Scopus
1592	Article	Kumar A.; Mahanti R.; Das M.	Investigation of electropolishing performance on surface residual stress and morphology of electrical discharge machined maraging steel	2024	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	238	8	3215	3225	10	10.1177/09544062221140735	SAGE Publications Ltd	9544062		Scopus
1593	Article	Senapati S.K.; Pal A.; Das A.	Facile synthesis of tetrahydroquinoline containing dithiocarbamate derivatives via one-pot sequential multicomponent reaction	2024	Organic and Biomolecular Chemistry	22	20	4041	4046	5	10.1039/d4ob00490f	Royal Society of Chemistry	14770520		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1594	Article	Behera P.K.; Chen F.-R.; Jou J.-H.; Achalkumar A.S.	Bright green electroluminescence with an EQE of 4.6% from a host-guest OLED fabricated from an unsymmetric liquid crystalline N-annulated perylene ester imide as a dopant	2024	Journal of Materials Chemistry C	12	23	8282	8286	4	10.1039/d4tc01104j	Royal Society of Chemistry	20507526		Scopus
1595	Review	Das B.; Panda B.N.; Sharma F.; Dixit U.S.	Recent Developments in Cladding and Coating Using Cold Metal Transfer Technology	2024	Journal of Materials Engineering and Performance	33	7	3130	3147	17	10.1007/s11665-023-08940-z	Springer	10599495		Scopus
1596	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
1597	Article	Mohan M.; Saha U.K.	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	American Society of Mechanical Engineers (ASME)	1950738		Scopus
1598	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 Ltd	22133437		Scopus
1599	Article	Priya Balmuchu S.; 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 B.V.	1694332		Scopus
1600	Article	Sahu S.; Debnath T.; Sahu K.	Reversible CsPbBr3 $\leftrightarrow$ CsPb2Br5 Transformation via Reverse Micellar Aqueous Solution	2024	Journal of Physical Chemistry Letters	15	13	3677	3682	5	10.1021/acs.jpcllett.4c00451	American Chemical Society	19487185		Scopus
1601	Article	Ravi Kiran B.; Singh P.; Kuravi S.D.; Mohanty K.; Venkata Mohan S.	Modulating cultivation regimes of <i>Messastrum gracile</i> SVMIICT7 for biomass productivity integrated with resource recovery via hydrothermal liquefaction	2024	Journal of Environmental Management	356					10.1016/j.jenvman.2024.120458	Academic Press	3014797		Scopus
1602	Article	Kumar M.; Kumar C.; Yadav H.N.S.; Das M.; Yu N.	Material removal analysis during MR polishing of complex gear teeth profiles	2024	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	238	8	3170	3183	13	10.1177/09544062221135515	SAGE Publications Ltd	9544062		Scopus
1603	Article	Kumar R.; Rathore A.; Singh R.; Mir A.A.; Tipu R.K.; Patel M.	Prognosis of flow of fly ash and blast furnace slag-based concrete: leveraging advanced machine learning algorithms	2024	Asian Journal of Civil Engineering	25	3	2483	2497	14	10.1007/s42107-023-00922-9	Springer Nature	15630854		Scopus
1604	Article	Behera P.K.; 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.expthermflusc.2023.111128	Elsevier Inc.	8941777		Scopus
1605	Article	Bhushan S.; Jayakrishnan U.; Johnson N.; Prajapati S.K.; Lakshan K.A.S.; 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 Ltd	22133437		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1606	Review	Nujum Z.T.; Asaria M.; Kurup K.K.; 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	104	10.1093/trstmh/trad074	Oxford University Press	359203		Scopus
1607	Article	Deka M.J.; Kamble A.D.; Das D.; Sharma P.; Ali S.; Kalita P.; Bora B.J.; Kalita P.	Enhancing the performance of a photovoltaic thermal system with phase change materials: Predictive modelling and evaluation using neural networks	2024	Renewable Energy	224					10.1016/j.renene.2024.120091	Elsevier Ltd	9601481		Scopus
1608	Article	Dakua P.K.; Dash R.K.; Laidouci A.; Bhattarai S.; Dudekula U.; Kashyap S.; Agarwal V.; Rashed A.N.Z.	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	10.1007/s11664-024-10930-3	Springer	3615235		Scopus
1609	Article	Senthil Kumar D.; Khandekar S.; Nekkenti S.; Kumar Das M.; Shanmuganathan U.; Nayak S.K.	Design, development and characterization of Blumlein Pulse Forming Line based pulsed power system for High Power Microwave source research	2024	Next Energy	3					10.1016/j.nxener.2024.100110	Elsevier B.V.	2949821X	All Open Access; Gold Open Access	Scopus
1610	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	19	10.1007/s10207-023-00763-2	Springer Science and Business Media Deutschland GmbH	16155262		Scopus
1611	Article	Singh P.K.; Kumar S.; Jain P.K.; Dixit U.S.	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	17	10.1007/s11665-023-08218-4	Springer	10599495		Scopus
1612	Article	Ranjitha B.S.; Kumar Behera P.; Ammathnadu Sudhakar A.; Hegde G.; Singh S.; Shanker G.	Ionic strength and phase systems influence nanotubular material functionality	2024	Journal of Molecular Liquids	399					10.1016/j.molliq.2024.124339	Elsevier B.V.	1677322		Scopus
1613	Article	Kumari R.; Kasina B.; Gupta R.; Pant H.J.; Upadhyay R.K.	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	20	10.1515/cppm-2023-0050	Walter de Gruyter GmbH	19342659		Scopus
1614	Review	Phukan S.J.; Goswami S.; Bhowmik S.; Sah N.K.; Sharma M.; Pramanik P.; Pathak C.; Roy M.; Pai R.K.; 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 Ltd	162361		Scopus
1615	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
1616	Article	Purohit B.; Kumar A.; Kumari R.; Mahato K.; Roy S.; Srivastava A.; Chandra P.	3D gold dendrite and reduced graphene oxide-chitosan nanocomposite-based immunosensor for carcinoembryonic antigen detection in clinical settings	2024	Surfaces and Interfaces	47					10.1016/j.surfin.2024.104197	Elsevier B.V.	24680230		Scopus
1617	Article	Mali B.; Hazra A.; Mazumdar N.; Gurusamy M.	Edge Computing for Latency-Critical Task Offloading in Industry 5.0	2024	IEEE Sensors Letters	8	4	1	4	3	10.1109/LSENS.2024.3379832	Institute of Electrical and Electronics Engineers Inc.	24751472		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1618	Article	Gangwar S.K.; Ravisankar R.; Fabrelli H.; Muruganandam P.; Mishra P.K.	Emergence of unstable avoided crossing in the collective excitations of spin-1 spin-orbit-coupled Bose-Einstein condensates	2024	Physical Review A	109	4				10.1103/PhysRevA.109.043306	American Physical Society	24699926	All Open Access; Green Open Access	Scopus
1619	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
1620	Article	Nalluru S.; Neelam S.G.	Low Complexity Detection of IRS-Aided MIMO-OTSM under Perfect Phase Optimization	2025	IEEE Communications Letters	29	2	393	397	4	10.1109/LCOMM.2024.3520700	Institute of Electrical and Electronics Engineers Inc.	10897798		Scopus
1621	Article	Sundaram R.; Gupta S.; Gupta S.; Mehta V.K.; Sitharam T.G.	Unearthing Geotechnical Characteristics of Shri Ram Janmabhoomi Temple Site at Ayodhya: Details of Geotechnical and Geophysical Investigations	2025	Indian Geotechnical Journal						10.1007/s40098-025-01209-3	Springer	9719555		Scopus
1622	Review	Singh M.D.; Saran R.; Taki K.	Repurposing of Hazardous Biomedical Waste Ash: A Review Focusing on the Current Knowledge and Future Perspectives	2025	Journal of Hazardous, Toxic, and Radioactive Waste	29	3				10.1061/JHTRBP.HZEN G-1475	American Society of Civil Engineers (ASCE)	21535493		Scopus
1623	Review	Devi L.S.; Mukherjee A.; Sharma S.; Katiyar V.; Kumar S.	Effects of blending of neem seed oil, carvacrol, and eugenol in carnauba wax-based nanocoating on shelf-life extension of common mandarin	2025	Food Chemistry Advances	8					10.1016/j.focha.2025.101038	Elsevier Ltd	2772753X		Scopus
1624	Article	Bhattacharjee R.; Yadav P.C.; Medhi T.; Biswas P.	Microstructural, Mechanical and Residual Stress Behaviour of Dissimilar Induction-Assisted Friction Stir Welded Inconel 718-AISI SS321 Joints	2025	Metals and Materials International	31	7	2082	2103	21	10.1007/s12540-024-01863-x	Korean Institute of Metals and Materials	15989623		Scopus
1625	Article	Saxena S.; Sharma H.	Prediction and assessment of optimal concrete compositions for overall radiation protection and reduced global warming potential	2025	Scientific Reports	15	1				10.1038/s41598-025-89683-w	Nature Research	20452322	All Open Access; Gold Open Access	Scopus
1626	Article	Pandey M.M.; Raza M.Q.; Verma S.	Synergistic effect of binary surfactant mixture for enhanced boiling heat transfer	2025	Journal of Molecular Liquids	430					10.1016/j.molliq.2025.127813	Elsevier B.V.	1677322		Scopus
1627	Article	Somasundaram A.; Mishra P.; Borthakur A.	Learning Using a Single Forward Pass	2025	Transactions on Machine Learning Research	2025-June						Transactions on Machine Learning Research	28358856		Scopus
1628	Article	Bhattacharjee R.; Yadav P.C.; Hammad A.; Karmakar N.; Medhi T.; Biswas P.	Thermomechanical analysis of induction-assisted friction stir welded Inconel 718 and SS321 by 3D-CEL approach	2025	International Journal of Modelling and Simulation						10.1080/02286203.2025.2484306	Taylor and Francis Ltd.	2286203		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1629	Article	Patgiri R.	'Let Me Take a Photo Before We Eat': The Impact of Digital Technologies on Food Production and Consumption in New Delhi	2025	Sociological Bulletin	74	3	273	287	14	10.1177/00380229251333129	SAGE Publications Ltd	380229		Scopus
1630	Article	Asati B.; Bag S.; Shajan N.; Kadarbhai M.A.; Singh P.; Arora K.S.; Singh A.P.	Tailoring Electrode Life Expectancy in Pre-pulse Resistance Spot Welding of Coated High-Strength Interstitial Free Steel	2025	Journal of Materials Engineering and Performance	34	9	8189	8205	16	10.1007/s11665-024-09721-y	Springer	10599495		Scopus
1631	Article	Das T.; Sarma A.K.	Climate change impact on rainfall erosivity factor using disaggregation model under CMIP6 shared socio-economic pathways	2025	Theoretical and Applied Climatology	156	7				10.1007/s00704-025-05608-7	Springer	0177798X		Scopus
1632	Editorial	Noor A.; Saroha K.; Pricop E.; Sen A.; Trivedi G.	Preface	2025	Lecture Notes in Networks and Systems	1073		v	vi			Springer Science and Business Media Deutschland GmbH	23673370		Scopus
1633	Article	Kumar S.S.; Shaji A.; Muthu N.	A two-field mixed formulation with scattered pressure node distribution in element-free Galerkin method for alleviating volumetric locking in hyperelastic materials; [无单元伽辽金法中具有分散压力节点分布的双场混合公式用于缓解超弹性材料中的体积锁定]	2025	Acta Mechanica Sinica/Lixue Xuebao	41	10				10.1007/s10409-024-24446-x	Springer Verlag	5677718		Scopus
1634	Article	Bhyravarapu S.; Kumari S.; Reddy I.V.	Dynamic coloring on restricted graph classes	2025	Theoretical Computer Science	1043					10.1016/j.tcs.2025.115260	Elsevier B.V.	3043975		Scopus
1635	Article	Sarkar S.; Arun A.; Sureka H.; Sahu A.	Efficient profit maximization in reliability concerned static vehicular cloud system	2025	Future Generation Computer Systems	171					10.1016/j.future.2025.107850	Elsevier B.V.	0167739X	All Open Access; Green Open Access	Scopus
1636	Article	Saxena S.; Kumar S.; Sharma H.	A novel computational framework for efficient nuclear containment design: Structural integrity, radiation shielding, and reliability assessment	2025	Reliability Engineering and System Safety	260					10.1016/j.res.2025.111038	Elsevier Ltd	9518320		Scopus
1637	Article	Bhattacharjee S.; Singha A.; Biswal S.; Das A.; Acharya P.C.; Sil S.K.; Bhaladhare S.	Influencing Factors and Stimulus-Sensitivity of Chitosan/Polymethacrylic Acid (CS/PMAA) Nanogels as Nanocarriers	2025	Polymer-Plastics Technology and Materials	64	2	222	237	15	10.1080/25740881.2024.2394831	Taylor and Francis Ltd.	25740881		Scopus
1638	Article	Dasgupta A.	Ocular diagnostics using electrooculography: Recent trends, challenges, and future directions	2025	IEEE Potentials						10.1109/MPOT.2025.3566654	Institute of Electrical and Electronics Engineers Inc.	2786648		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1639	Article	Sivakumar P.; Ganesh P.S.K.P.; Muthuraja P.; Bharanidharan S.; Rajamohan R.; Kamatchi S.	Synthetic approach of hydroxy-acetophenone-directed Rh(III) catalyzed C-H o-alkylation via 1,4 addition: Insights from DFT and docking methodology	2025	Journal of Molecular Structure	1327					10.1016/j.molstruc.2024.141248	Elsevier B.V.	222860		Scopus
1640	Article	Arora S.; Kumar B.	Effects of proximity of the sediment mining pit on riverbank stability	2025	Scientific Reports	15	1				10.1038/s41598-025-95524-7	Nature Research	20452322		Scopus
1641	Article	Ninan J.; Kundu A.	Social media buzz: what matters to people around PPP and non-PPP infrastructure projects?	2025	Proceedings of the Institution of Civil Engineers: Municipal Engineer						10.1680/jmuen.24.00004	ICE Publishing	9650903		Scopus
1642	Article	Neog B.J.	Intergenerational Transmission of Human Capital in India: The Role of Gender and the Extended Family	2025	European Journal of Development Research						10.1057/s41287-025-00703-x	Palgrave Macmillan	9578811		Scopus
1643	Article	Bhuyan P.M.; Goswami C.; Deuri D.J.; Senapati K.K.; Gogoi P.	CuS/Nitrogen-biomass derived carbon composites for heterogeneous Fenton-like degradation of dyes: C-, N- and S-mediated electron transfer mechanism for redox cycling of Cu(I)/Cu (II) couple	2025	Journal of the Iranian Chemical Society	22	4	699	716	17	10.1007/s13738-025-03178-z	Springer Science and Business Media Deutschland GmbH	1735207X		Scopus
1644	Article	Kumari A.; Palathinkal R.P.	Design and Analysis of Energy Efficient Approximate Multipliers for Image Processing and Deep Neural Network	2025	IEEE Transactions on Circuits and Systems I: Regular Papers	72	2	854	867	13	10.1109/TCSI.2024.3479279	Institute of Electrical and Electronics Engineers Inc.	15498328		Scopus
1645	Article	Sheikh M.M.; Sreenath J S.J.G.; Tripathy P.; Adda R.	Topology Guided Network Clustering and Allocation of Edge Estimation Points for Monitoring of Distribution Networks	2025	IEEE Transactions on Smart Grid						10.1109/TSG.2025.3580367	Institute of Electrical and Electronics Engineers Inc.	19493053		Scopus
1646	Article	Devanshi; Das S.; Koul N.; Cherwoo L.; Bhatia R.; Setia H.	Conjugated Polymer-Based Smart Biosensors for Pathogen Detection in Food Sector	2025	Food Analytical Methods						10.1007/s12161-025-02764-4	Springer	19369751		Scopus
1647	Article	Mishra S.N.; Khatua M.	Reliability-Aware Packet Replication in Multi-Path Data Transmission for Mission-Critical IoT Networks	2025	Ad Hoc Networks	178					10.1016/j.adhoc.2025.103940	Elsevier B.V.	15708705		Scopus
1648	Article	Barik S.; Mondal M.; Pan S.	A q-analogue of the distance matrix of a tree with matrix weights	2025	Linear and Multilinear Algebra	73	7	1423	1447	24	10.1080/03081087.2024.2430954	Taylor and Francis Ltd.	3081087		Scopus
1649	Article	Kumar S.S.; Muthu N.; Panda B.	Numerical investigation of structural behavior of 3D-printed concrete walls: insights from damage mechanics and cohesive zone approaches	2025	Progress in Additive Manufacturing						10.1007/s40964-025-01172-8	Springer Science and Business Media Deutschland GmbH	23639512		Scopus
1650	Article	Sarmah N.; Hazarika S.M.	Characterization and valuation of a five-fingered hand exoskeleton for assistance in activities of daily living	2025	International Journal of Intelligent Robotics and Applications						10.1007/s41315-025-00434-6	Springer	23665971		Scopus
1651	Article	Narzary S.; Nandi S.; Som B.	Dynamic model selection for enhanced pivot-based neural machine translation	2025	Neural Computing and Applications						10.1007/s00521-025-11213-6	Springer Science and Business Media Deutschland GmbH	9410643		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1652	Article	Bommana D.; Sahoo N.; Dwivedy S.K.; Senapati N.P.; Dora S.P.; Chintada S.; Vennela V.K.L.	Investigating the effect of single-walled carbon nanotubes and relative density on the compressive properties and deformation behaviors of closed-cell AA 6061-B4C-SiC-SWCNTs hybrid composite foams	2025	Journal of Alloys and Compounds	1034					10.1016/j.jallcom.2025.181446	Elsevier Ltd	9258388		Scopus
1653	Review	Sultana A.; Mondal H.; Das H.; Soroosh M.; Bhattarai S.	Recent advances in photonic crystal-based encoder and decoder designs: a comprehensive review	2025	European Physical Journal Plus	140	6				10.1140/epjp/s13360-025-06495-7	Springer Science and Business Media Deutschland GmbH	21905444		Scopus
1654	Article	Gartia J.; Bopardikar M.; Dehury B.; Mishra S.; Mishra R.; Singh H.	Starch scavenges degradation products from protein solutions	2025	International Journal of Biological Macromolecules	306					10.1016/j.ijbiomac.2025.141387	Elsevier B.V.	1418130	All Open Access; Hybrid Gold Open Access	Scopus
1655	Article	Rajesh R.O.; Chauhan D.S.; Mohanty K.; Prabhu A.A.	Sustainable process for the synthesis of biodiesel from waste cooking oil by mixed seashell waste nanocatalyst	2025	Journal of Environmental Chemical Engineering	13	2				10.1016/j.jece.2025.115785	Elsevier Ltd	22133437		Scopus
1656	Article	Suryavanshi P.; Lekurwale S.; Kumar P.; Dwivedy S.K.; Banerjee S.	Establishment of reversible four-dimensional (4D) printing capability of shape–memory responsive cellulosic composites (RCC) using experimental, theoretical, and computational modeling	2025	Rapid Prototyping Journal	31	5	1053	1064	11	10.1108/RPJ-07-2024-0295	Emerald Publishing	13552546		Scopus
1657	Editorial	Dixit U.S.	Foreword	2025	Lecture Notes in Mechanical Engineering			v	vi			Springer Science and Business Media Deutschland GmbH	21954356		Scopus
1658	Article	Ghoshal T.; Middya S.; Parmar P.R.; Mohanta A.; Bhattacharjee M.; Bandyopadhyay D.	A Colorimetric sensor for Point-of-Care Detection of Pancreatic Lipase using an oil-in-water μ -emulsion substrate	2025	IEEE Sensors Journal						10.1109/JSEN.2025.3576183	Institute of Electrical and Electronics Engineers Inc.	1530437X		Scopus
1659	Article	Gogoi K.D.; Gohain B.R.; Talukdar D.; Singh R.	Benzil based simple and selective Schiff base probe for rapid colorimetric detection of Cu ²⁺ ions	2025	Journal of Molecular Structure	1331					10.1016/j.molstruc.2025.141635	Elsevier B.V.	222860		Scopus
1660	Article	Kumar Shrivastava M.; Singh R.; Samantaray D.; Khan A.; Kumar Gautam A.; Kumar Singh A.	A Metamaterial Loaded High Gain Low Profile RHCP Microstrip Antenna for X-Band Applications	2025	IEEE Access	13		33321	33329	8	10.1109/ACCESS.2025.3542460	Institute of Electrical and Electronics Engineers Inc.	21693536	All Open Access; Gold Open Access	Scopus
1661	Article	Kenkireth B.G.; Sajith G.; Sasidharan S.	Multi-word-representability of graphs	2025	Discrete Applied Mathematics	374		61	74	13	10.1016/j.dam.2025.05.021	Elsevier B.V.	0166218X		Scopus
1662	Article	Anilkumar P.; Pamu D.; Tiwari T.	Optimization and Algorithm Quality Measure in the Design of Pill-Box Dielectric Window	2025	IEEE Transactions on Plasma Science	53	4	622	626	4	10.1109/TPS.2025.3538864	Institute of Electrical and Electronics Engineers Inc.	933813		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1663	Review	Poudel J.; Bhattarai S.; Nath N.; Tanti B.	An exclusive review of microcrystalline cellulose: Structure and applications, and limitations	2025	Materials Today Communications	45					10.1016/j.mtcomm.2025.112247	Elsevier Ltd	23524928		Scopus
1664	Review	Kumar Dhaked D.; Narayanan V.L.; Gopal R.; Sharma O.; Bhattarai S.; Dwivedy S.K.	Exploring deep learning methods for solar photovoltaic power output forecasting: A review	2025	Renewable Energy Focus	53					10.1016/j.ref.2025.100682	Elsevier Ltd	17550084		Scopus
1665	Review	Narayanan V.L.; Gupta A.; Dhaked D.K.; Tewary M.; Mondal S.K.; Gopal R.; Sarma P.	A systematic review on recent trends in path planning techniques for autonomous underwater vehicles	2025	International Journal of Intelligent Robotics and Applications						10.1007/s41315-025-00469-9	Springer	23665971		Scopus
1666	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	11	10.1080/23307706.2023.2202183	Taylor and Francis Ltd.	23307706	All Open Access; Green Open Access	Scopus
1667	Article	Kumar S.; Dwivedy S.K.	Neuro compensated sliding mode control with nonlinear surfaces for pipe crack sealing manipulator	2025	Robotics and Autonomous Systems	190					10.1016/j.robot.2025.104997	Elsevier B.V.	9218890		Scopus
1668	Article	Goswami A.; Saha S.; Yadav R.K.	On meeting and merging of stochastic flow of non-homogeneous Markov and semi-Markov dynamics	2025	Stochastic Models	41	1	120	141	21	10.1080/15326349.2024.2328301	Taylor and Francis Ltd.	15326349		Scopus
1669	Article	Medhi A.; Sarker A.; Devi M.	Scalar NSI: a unique tool for constraining absolute neutrino masses via neutrino oscillations	2025	European Physical Journal C	85	4				10.1140/epjc/s10052-025-14089-x	Springer Nature	14346044		Scopus
1670	Article	Das J.; Sahu P.K.	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	20	10.1080/2374068X.2024.2307072	Taylor and Francis Ltd.	2374068X		Scopus
1671	Article	Badi S.H.; Narayanan R.G.; Asati B.; Santra S.; Arora K.S.	Experimental and numerical assessment of self-pierce riveting of HIF steel and AA5083 sheets with fracture prediction	2025	Thin-Walled Structures	210					10.1016/j.tws.2025.112959	Elsevier Ltd	2638231		Scopus
1672	Article	Chandraprakash K.; Kannan P.; Chandankeri V.; Kodli V.; Patil V.U.; Kangda M.Z.; Taki K.	Understanding the impact of laboratory and field curing conditions on the strength properties of black cotton soil treated with Xanthan Gum and Guar Gum Biopolymer	2025	Geomechanics and Geoengineering	20	3	407	420	13	10.1080/17486025.2024.2413062	Taylor and Francis Ltd.	17486025		Scopus
1673	Article	Ganekanti T.; Banerjee A.	Simulation of shape memory alloy based applications undergoing large displacement and rotation following updated lagrangian formulation and isogeometric analysis	2025	International Journal of Mechanics and Materials in Design	21	2	319	338	19	10.1007/s10999-024-09738-0	Springer Science and Business Media B.V.	15691713		Scopus
1674	Article	Adiba A.; Mayanglambam F.; Ahmad T.	Protocol for fabricating optically transparent, pinhole-free NiO thin film for memory devices using the spin-coating technique	2025	STAR Protocols	6	2				10.1016/j.xpro.2025.103732	Cell Press	26661667		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1675	Article	Tarai U.K.; Pal S.; Robi P.S.	Effect of homogenization duration on microstructure and mechanical properties of TLP-bonded IN 718 joints	2025	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science						10.1177/09544062251328265	SAGE Publications Ltd	9544062		Scopus
1676	Article	Sultana A.; Mondal H.; Das H.R.; Soroosh M.; Bhattarai S.	A review on photonic crystal-based components of all-optical ALU	2025	Journal of Optics (India)						10.1007/s12596-025-02794-5	Springer	9728821		Scopus
1677	Article	Shrivastava M.K.; Singh R.; Samantaray D.; Gautam A.K.; Singh A.K.; Bhattacharjee A.	A high gain dual circularly polarized metamaterial loaded antenna for X-band applications	2025	AEU - International Journal of Electronics and Communications	198					10.1016/j.aeue.2025.155843	Elsevier GmbH	14348411		Scopus
1678	Article	Singh R.; Borah S.; Phukan U.; Neog P.P.; Borah D.; Dutta D.; Bose A.; Sarmah J.K.; Dutta R.R.	Blue florescent carbon nanoparticles as sensor probe and paper based microfluidic device for Hg2+ ion detection.	2025	Diamond and Related Materials	154					10.1016/j.diamond.2025.112158	Elsevier Ltd	9259635		Scopus
1679	Article	Mahana A.; Mandal T.K.; Das D.	Utilization of cyanobacterial adsorbents for remediation of lead ions from contaminated water: Insights into bioremediation strategies	2025	Journal of Hazardous Materials	493					10.1016/j.jhazmat.2025.138329	Elsevier B.V.	3043894		Scopus
1680	Article	Lahkar R.; Mahanta A.	The best experienced payoff dynamic in the ultimatum minigame	2025	International Journal of Game Theory	54	1				10.1007/s00182-025-00942-6	Springer Science and Business Media Deutschland GmbH	207276		Scopus
1681	Article	Verma A.; Bhattacharya A.; Mandal D.; López-Martinez C.; Gamba P.	A Dual-Pol SAR-Based Index for Rice Transplantation Detection	2025	IEEE Geoscience and Remote Sensing Letters	22					10.1109/LGRS.2025.3550971	Institute of Electrical and Electronics Engineers Inc.	1545598X		Scopus
1682	Article	Deka S.; Kamal A.; Pallekonda R.B.; Kulkarni V.; Sahoo N.	Sensitivity study of force recovery algorithms for aerodynamic drag assessment on a spiked blunt body in high-speed regimes	2025	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering	239	8	818	829	11	10.1177/09544100241310568	SAGE Publications Ltd	9544100		Scopus
1683	Article	Moyal R.; Mama K.R.; Einhorn M.; Borthakur A.; Cleland T.A.	Heterogeneous quantization regularizes spiking neural network activity	2025	Scientific Reports	15	1				10.1038/s41598-025-96223-z	Nature Research	20452322		Scopus
1684	Article	Job N.; Bhattacharyya K.	Quantum Mechanical Approach to Kinetic Modeling of Singlet Oxygen Generation: A Case Study of Heavy-Atom-Free Photosensitizers	2025	Journal of Physical Chemistry A	129	26	5829	5836	7	10.1021/acs.jpca.5c03014	American Chemical Society	10895639		Scopus
1685	Article	Adiba A.; Meitei P.N.; Ahmad T.	Exploring resistive switching in flexible, forming-free Ti/NiO/AZO/PET memory device for future wearable electronics	2025	Scientific Reports	15	1				10.1038/s41598-025-88549-5	Nature Research	20452322	All Open Access; Gold Open Access	Scopus
1686	Article	Pawar A.R.; Kashyap S.; Chouhan S.	Impact of Channel Aging and Pilot Contamination on Decoding and Power Control Strategies for Uplink Massive MIMO-NOMA Systems	2025	IEEE Transactions on Communications	73	1	103	116	13	10.1109/TCOMM.2024.3429160	Institute of Electrical and Electronics Engineers Inc.	906778		Scopus
1687	Article	Basar T.; Deb S.K.	Comparison of Mechanical Behaviour of Prototype UFREI and PB-FREI Under Cyclic Loading	2025	Journal of Earthquake Engineering	29	5	1075	1097	22	10.1080/13632469.2025.2459790	Taylor and Francis Ltd.	13632469		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1688	Review	Jadhav S.; Rath S.N.; Roopavath U.K.	A Review on Multicellular Spheroids and Organoids for Breast Cancer Diagnosis and Therapy	2025	Biomedical Materials and Devices	3	2	771	793	22	10.1007/s44174-024-00225-w	Springer Nature	27314812		Scopus
1689	Article	Ignatius T.M.; Palathinkal R.P.	Non-Linear Cyclic Variable Clock Feistel Bridge-Inspired Countermeasure for Securing RISC-V Crypto-Core Against Power Attacks	2025	IEEE Transactions on Circuits and Systems I: Regular Papers						10.1109/TCSI.2025.3536284	Institute of Electrical and Electronics Engineers Inc.	15498328		Scopus
1690	Article	Saran R.; Saxena S.; Acharya H.; Bhadane P.; Taki K.	Utilization of Water Treatment Plant Sludge for Creating Green Bricks and Examining Its Gamma Radiation Shielding Potential	2025	Journal of Hazardous, Toxic, and Radioactive Waste	29	2				10.1061/JHTRBP.HZEN G-1406	American Society of Civil Engineers (ASCE)	21535493		Scopus
1691	Article	Haldar V.; Pal S.	Characterization of Mechanical Behavior in Solution-Treated Micro Plasma Arc Welded Blanks of Inconel 625	2025	Metals and Materials International	31	6	1769	1792	23	10.1007/s12540-024-01850-2	Korean Institute of Metals and Materials	15989623		Scopus
1692	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
1693	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
1694	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
1695	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
1696	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
1697	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
1698	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
1699	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
1700	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	21	10.1080/0951192X.2023.2228258	Taylor and Francis Ltd.	0951192X		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1701	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
1702	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
1703	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
1704	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
1705	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
1706	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	5	10.16920/jeet/2024/v37is2/24121	Rajarambapu Institute Of Technology	23492473	All Open Access; Gold Open Access	Scopus
1707	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
1708	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
1709	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
1710	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

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1711	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
1712	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
1713	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
1714	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
1715	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
1716	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
1717	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
1718	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
1719	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
1720	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
1721	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
1722	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

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1723	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
1724	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
1725	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
1726	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
1727	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
1728	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
1729	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
1730	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
1731	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
1732	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
1733	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

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1734	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
1735	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
1736	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
1737	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
1738	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
1739	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
1740	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
1741	Article	Baruah, H; Singh, SR; 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	ASSOC COMPUTING MACHINERY	2375-4699		WoS
1742	Article; Early Access	Singh, YR; Ahmed, J; Goyal, A	Small angle X-ray scattering and in silico based structure and function analysis of a novel xylobiohydrolase (AcGH30A) from Acetivibrio clariflavus	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS						10.1080/07391102.2024.2431192	TAYLOR & FRANCIS INC	0739-1102		WoS
1743	Article; Early Access	Kashyap, S; Mandal, TK	Prototype of a POCT Device for Colorimetric Sensing of Chromium(VI) for Healthcare Applications	2025	JOURNAL OF ELECTRONIC MATERIALS						10.1007/s11664-025-11768-z	SPRINGER	0361-5235		WoS
1744	Article	Shrivastava, M; Goyal, A	Unveiling the structural and functional perspectives of a bifunctional a-L-arabinofuranosidase/endo-(3-1,4-xylanase (BoGH43_35) from Bacteroides ovatus	2025	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	764					10.1016/j.abb.2024.110232	ELSEVIER SCIENCE INC	0003-9861		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1745	Article; Early Access	Gupta, D; Kumar, V; Das, A; Chourasia, A; Mitra, S	Process parameter optimization of engineered biochar for lead (II) removal from water: a case study on agro-waste valorization optimization	2024	BIOMASS CONVERSION AND BIOREFINERY						10.1007/s13399-024-06336-0	SPRINGER HEIDELBERG	2190-6815		WoS
1746	Correction	Ahmed, J; Goyal, A	Corrigendum to One-pot biocatalysis of potato rhamnogalacturonan and the role of its deacetylation in efficient inhibition of colon cancer cells and hydrogel mediated colon-targeted drug delivery [Int. J. Biol. Macromol. 281 (Part 1) (2024) 136319]	2024	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	281					10.1016/j.ijbiomac.2024.136666	ELSEVIER	0141-8130		WoS
1747	Review	Sonbhadra, S; Mishra, A; Pandey, LM	Nature's Marvels: Exploring the Multifaceted Applications of Surfactin and Rhamnolipids	2025	LANGMUIR	41	6	3731	3743		10.1021/acs.langmuir.4c04093	AMER CHEMICAL SOC	0743-7463		WoS
1748	Review	Umesh; Moholkar, VS	2G Bioethanol for Sustainable Transport Sector: Review and Analysis of the Life Cycle Assessments	2025	CURRENT POLLUTION REPORTS	11	1				10.1007/s40726-025-00340-2	SPRINGER HEIDELBERG	2198-6592		WoS
1749	Article	Khan, P; Dutta, S	Effect of concentration gradient on spiral wave dynamics in the Belousov-Zhabotinsky reaction system	2025	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	27	4	2151	2157		10.1039/d4cp03734k	ROYAL SOC CHEMISTRY	1463-9076		WoS
1750	Book Review	Visakh, MS; Menon, N	Nivedita Menon, Secularism as Misdirection, Critical Thought from the Global South	2025	STUDIES IN INDIAN POLITICS	13	1	161	163		10.1177/23210230251324752	SAGE PUBLICATIONS INC	2321-0230		WoS
1751	Article	Ray, JP; Chandrasekar, R; Sathasivam, J; Narayanasamy, S	Unveiling the photocatalytic potential of mesoporous carbon nitride in environmental applications: Properties, synthesis and doping strategies	2025	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	13	2				10.1016/j.jece.2025.115945	ELSEVIER SCI LTD	2213-2929		WoS
1752	Article	Abhilasha, NS	Empire, epidemic, and the agrarian world: Kala-azar (Visceral leishmaniasis) in Assam, 1883-1930	2025	INDIAN ECONOMIC AND SOCIAL HISTORY REVIEW	62	1	101	129		10.1177/00194646241310024	SAGE PUBLICATIONS INDIA PVT LTD	0019-4646		WoS
1753	Article; Early Access	Nautiyal, S; Shrivastava, A; Deka, C	Smartphone Adoption and Healthcare Usage Among Older Adults in India	2024	ACTIVITIES ADAPTATION & AGING						10.1080/01924788.2024.2440246	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	0192-4788		WoS
1754	Article	Kumar, S; Sur, A; Baruah, RD	DatUS: Data-Driven Unsupervised Semantic Segmentation With Pretrained Self-Supervised Vision Transformer	2024	IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS	16	5	1775	1788		10.1109/TCDS.2024.3383952	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2379-8920	Green Submitted	WoS
1755	Article	Misra, S; Dhar, D; Nandi, S	Decolonising Design EthicseAn Indian view of the nature of impact of designed artefacts	2025	DESIGN STUDIES	98					10.1016/j.destud.2025.101304	ELSEVIER SCI LTD	0142-694X		WoS
1756	Article	Pothan, EV; Kashyap, S	Cell-Free Massive MIMO Based Underlay Spectrum Access Under Interference Outage Probability Constraint Over Limited Capacity Fronthaul	2024	IEEE TRANSACTIONS ON COMMUNICATIONS	72	9	5837	5852		10.1109/TCOMM.2024.3387853	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0090-6778		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1757	Article	Agrawal, L; Saradhi, VV; Sharma, T	Fairness in constrained spectral clustering	2025	NEUROCOMPUTING	633					10.1016/j.neucom.2025.129815	ELSEVIER	0925-2312		WoS
1758	Article	Sharma, A; Hussain, D	The Veteran's Identity Journey: A Qualitative Exploration Through Social Identity Model of Identity Change	2025	JOURNAL OF COMMUNITY & APPLIED SOCIAL PSYCHOLOGY	35	2				10.1002/casp.70062	WILEY	1052-9284		WoS
1759	Article	Kommadath, R; Maharana, D; Kotecha, P	Multiobjective Phase-Wise Teaching Learning-Based Optimization With No-Wait Time Heuristic for Job Shop Scheduling Problem	2025	CONCURRENCY AND COMPUTATION- PRACTICE & EXPERIENCE	37	4-5				10.1002/cpe.8380	WILEY	1532-0626		WoS
1760	Article; Early Access	Baro, RK; Kotecha, P; Anandalakshmi, R	Optimal arrangement and shape of sweetened cheese balls during canning: CFD study	2025	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE						10.1007/s13197-025-06237-8	SPRINGER INDIA	0022-1155		WoS
1761	Book Review; Early Access	Roy, S	Postcolonial Servitude: Domestic Servants in Global South Asian English Literature	2024	SOUTH ASIAN REVIEW						10.1080/02759527.2024.2446111	TAYLOR & FRANCIS LTD	0275-9527		WoS
1762	Article	Islam, A; Ghose, M	DELTA: Deadline aware energy and latency-optimized task offloading and resource allocation in GPU-enabled, PiM-enabled distributed heterogeneous MEC architecture	2025	JOURNAL OF SYSTEMS ARCHITECTURE	159					10.1016/j.sysarc.2025.103335	ELSEVIER	1383-7621		WoS
1763	Article	Sahoo, A; Das, PK; Veeranki, VD; Patra, S	Engineered Saccharomyces cerevisiae for sustainable biobased fuel production: Overcoming bottlenecks and implementing strategies	2025	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	211					10.1016/j.rser.2025.115352	PERGAMON- ELSEVIER SCIENCE LTD	1364-0321		WoS
1764	Article	Shakya, AK; Das, C	Phytochemical screening and antimicrobial efficacy of Allium Sativum varieties: Towards identifying optimal medicinal potential	2025	JOURNAL OF BIOLOGICALLY ACTIVE PRODUCTS FROM NATURE	15	1	88	106		10.1080/22311866.2025.2464162	TAYLOR & FRANCIS LTD	2231-1866		WoS
1765	Article; Early Access	Kumbhar, SG; De, MHY	Selective oxidation of glycerol to value-added chemicals over green carbon dots modified graphitic carbon nitride charge-transfer photocatalyst	2024	EMERGENT MATERIALS						10.1007/s42247-024-00920-w	SPRINGER NATURE	2522-5731		WoS
1766	Article	Sarma, N; Thakur, AS; Karfa, C	MaskedHLS: Domain-Specific High-Level Synthesis of Masked Cryptographic Designs	2024	IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS	43	11	3973	3984		10.1109/TCAD.2024.3447223	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0278-0070	Green Submitted	WoS
1767	Article	Dutta, N; Dhar, D	Understanding Medical Technology Innovation in Low- and Middle-Income Countries: Factors, Impact, and a Model Proposal	2024	SHE JI-THE JOURNAL OF DESIGN ECONOMICS AND INNOVATION	10	2	192	222		10.1016/j.sheji.2024.07.002	ELSEVIER	2405-8726	gold	WoS
1768	Article; Book Chapter	Paul, N; Banerjee, T	Micropollutants' Extraction from Aqueous Systems Using Ionic Liquids and Deep Eutectic Solvents	2024	IONIC LIQUIDS FOR ENVIRONMENTAL ISSUES	11		172	212		10.1039/BK9781839169625-00172	ROYAL SOC CHEMISTRY			WoS
1769	Article	Mishra, SN; Khatua, M	Game Theoretic Congestion Control to Achieve Hard Reliability in Mission-Critical IoT	2024	IEEE TRANSACTIONS ON MOBILE COMPUTING	23	12	14159	14170		10.1109/TMC.2024.3437483	IEEE COMPUTER SOC	1536-1233		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1770	Article; Early Access	Dhara, LN; Biswas, P	Influence of Preheating and Post Heating on Diffusible Hydrogen Content, Residual Stresses and Hydrogen Assisted Cracking (HAC) Susceptibility of Induction Assisted Gas Metal Arc Welded P91 Steel Joint	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE						10.1007/s11665-024-10359-z	SPRINGER	1059-9495		WoS
1771	Article	Bordoloi, U; Kalita, P	Experimental investigation of thermal cycling stability of biochar-based phase change materials for building applications	2025	INTERNATIONAL JOURNAL OF GREEN ENERGY	22	6	1099	1111		10.1080/15435075.2024.2394480	TAYLOR & FRANCIS INC	1543-5075		WoS
1772	Article	Gawal, PM; Lataye, S	Enhanced 2,3-butanediol recovery from fermentation broth: a study on isobutanol/sodium chloride aqueous two-phase systems	2025	BIOTECHNOLOGY AND BIOPROCESS ENGINEERING	30	3	562	572		10.1007/s12257-025-00186-x	KOREAN SOC BIOTECHNOLOGY & BIOENGINEERING	1226-8372		WoS
1773	Review	Biswas, N; Mukherjee, A; Bhattacharya, S	Are you feeling sick? - A systematic literature review of cybersickness in virtual reality	2024	ACM COMPUTING SURVEYS	56	11				10.1145/3670008	ASSOC COMPUTING MACHINERY	0360-0300	Bronze	WoS
1774	Article	Srivastava, S; Das, C	Advanced hybridization of coagulation-ultrafiltration systems: A critical techno-economic review of integration strategies	2024	JOURNAL OF WATER PROCESS ENGINEERING	68					10.1016/j.jwpe.2024.106297	ELSEVIER	2214-7144		WoS
1775	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		10.1007/s41745-024-00430-y	SPRINGER	0970-4140		WoS
1776	Editorial Material	Chatterjee, S	Call for Papers: Peptide Therapeutics	2025	JOURNAL OF MEDICINAL CHEMISTRY	68	4	3946	3947		10.1021/acs.jmedchem.5c00298	AMER CHEMICAL SOC	0022-2623		WoS
1777	Book Review	Kipgen, S	Podcasting	2025	SCIENCE TECHNOLOGY AND SOCIETY	30	1	202	204		10.1177/09717218241309720	SAGE PUBLICATIONS INDIA PVT LTD	0971-7218		WoS
1778	Article	Baidya, S	Poly-vinyl alcohol/hydroxy-ethyl cellulose/montmorillonite nanoclay-based food packaging film for dielectric heating of vegetable sandwiches	2025	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	304					10.1016/j.ijbiomac.2025.140817	ELSEVIER	0141-8130		WoS
1779	Article	Purkayastha, A; Mallajosyula, AT	Performance of 2-D/3-D Mixed-Dimension Tin Perovskite Solar Cells and Their Prospects Under Bifacial Configuration	2025	IEEE JOURNAL OF PHOTOVOLTAICS	15	1	54	60		10.1109/JPHOTOV.2024.3497135	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2156-3381		WoS
1780	Article	Biswas, D	'We are not simply Indians': Intersecting ethnic identity diversity among the Chinese communities of Kolkata	2025	ASIAN ETHNICITY	26	3	459	485		10.1080/14631369.2024.2416236	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	1463-1369		WoS
1781	Article; Early Access	Pramanick, A; Sur, A; Saradhi, VV	Harnessing multi-resolution and multi-scale attention for underwater image restoration	2025	VISUAL COMPUTER						10.1007/s00371-025-03866-0	SPRINGER	0178-2789	Green Submitted	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1782	Review; Early Access	Chandra, GV; Golla, SY; Ghosh, PK	Systematic review of groundwater suitability for drinking and industrial purposes near coal mining regions of India: assessing metal toxicity and non-carcinogenic risks	2024	INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY						10.1080/03067319.2024.2416528	TAYLOR & FRANCIS LTD	0306-7319		WoS
1783	Article	Basu, D	Here doth Shee Mourne: Epitaphic Compulsion in Isabella Whitney's Lament upon William Gruffith's Death	2024	WOMENS WRITING	31	1	67	82		10.1080/09699082.2024.2284041	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	0969-9082		WoS
1784	Article	Jha, MK	Gandhian Conception of Swaraj and its Post-Independence (Re)Interpretations by Jayaprakash Narayan and Rammanohar Lohia	2025	ARAUCARIA-REVISTA IBEROAMERICANA DE FILOSOFIA POLITICA Y HUMANIDADES	27	58	439	462		10.12795/araucaria.2025.i58.20	UNIV SEVILLA, EDITORIAL	1575-6823	gold	WoS
1785	Article; Early Access	Kumar, S; Shankhdhar, A; Singal, D; Aggarwal, B; Malhotra, AS; Singh, SR	Fake news article detection datasets for Hindi language	2024	LANGUAGE RESOURCES AND EVALUATION						10.1007/s10579-024-09787-z	SPRINGER	1574-020X		WoS
1786	Review	Negi, BB; Das, C	Mycoremediation of wastewater, challenges, and current status: A review	2023	BIORESOURCE TECHNOLOGY REPORTS	22					10.1016/j.biteb.2023.101409	ELSEVIER	2589-014X		WoS
1787	Article	Maibam, PD; Goyal, A	Bioethanol production from delignified rice straw by using a novel crude recombinant enzyme cocktail in pre-saccharification simultaneous saccharification and fermentation process	2025	PROCESS BIOCHEMISTRY	153		26	33		10.1016/j.procbio.2025.03.005	ELSEVIER SCI LTD	1359-5113		WoS
1788	Article; Early Access	Sadhu, G; Dalal, DC	A mathematical study of the interaction between oxygen and lactate in an in vivo and in vitro tumor	2024	INTERNATIONAL JOURNAL OF BIOMATHEMATICS						10.1142/S1793524524501389	WORLD SCIENTIFIC PUBL CO PTE LTD	1793-5245		WoS
1789	Article	Kumar, S; Kumar, S; Singh, SR	A Headline-Centric Graph-Based Dual Context Matching Approach for Incongruent News Detection	2024	IEEE TRANSACTIONS ON COMPUTATIONAL SOCIAL SYSTEMS	11	5	5913	5924		10.1109/TCSS.2024.3384698	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2329-924X		WoS
1790	Article	Raikwar, H; Sadharakiya, H; Karmakar, S	Dynamic Algorithms for Approximate Steiner Trees	2025	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	37	6-8				10.1002/cpe.70040	WILEY	1532-0626		WoS
1791	Article	Sen Gupta, D; Acharya, S; Kishore, N	Non-catalytic hydrosolvolyis of Delonix regia biomass waste and analysis of products	2025	RENEWABLE ENERGY	245					10.1016/j.renene.2025.122754	PERGAMON-ELSEVIER SCIENCE LTD	0960-1481		WoS
1792	Article; Early Access	Kaur, J; Natesan, S	Numerical Solution of Time-Fractional Black-Scholes PDE by Non-symmetric Interior Penalty Galerkin Method	2025	COMPUTATIONAL ECONOMICS						10.1007/s10614-025-10881-9	SPRINGER	0927-7099		WoS
1793	Article	Ghosh, G; Khalid, F; Kalita, P	Development and assessment of a biomass-based energy system for green steel production: A thermodynamic study	2024	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	46	1	15444	15463		10.1080/15567036.2024.2416083	TAYLOR & FRANCIS INC	1556-7036		WoS
1794	Article	Lekharu, A; Samanta, A; Sur, A; Patra, M	Content-Aware Caching at the Mobile Edge Network Using Federated Learning	2025	IEEE TRANSACTIONS ON EMERGING TOPICS IN COMPUTATIONAL INTELLIGENCE	9	2	1166	1176		10.1109/TETCI.2024.3402166	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2471-285X		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1795	Article	Devi, TS; Das, PK	Disambiguation of Isolated Manipuri Tonal ContrastWord Pairs Using Acoustic Features	2024	ACM TRANSACTIONS ON ASIAN AND LOW-RESOURCE LANGUAGE INFORMATION PROCESSING	23	3				10.1145/3643830	ASSOC COMPUTING MACHINERY	2375-4699	hybrid	WoS
1796	Article	Haldar, V; Pal, S	A METALLURGICAL STUDY OF MICRO PLASMA ARC WELDED JOINT OF AUSTENITIC STAINLESS-STEEL BLANK	2024	ARCHIVES OF METALLURGY AND MATERIALS	69	3	1071	1078		10.24425/amm.2024.150927	POLSKA AKAD NAUK, POLISH ACAD SCIENCES, INST METALL & MATER SCI PAS	1733-3490	gold	WoS
1797	Article; Book Chapter	Keshavamurthy, K	Precarious Lives, Fraught Selves Tirunangai Autobiographies in Tamil	2024	QUEER AND THE VERNACULAR LANGUAGES IN INDIA: Studies in Contemporary Texts and Cultures			87	104		10.4324/9781003440536-7	ROUTLEDGE			WoS
1798	Article	Bhattacharjee, U; Uppaluri, RVS	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	2589-014X		WoS
1799	Article	Banik, RK; Das, HJ; Kalita, P	Numerical investigation of bed hydrodynamics for biomass-coal blending in a dual fluidized bed system	2025	POWDER TECHNOLOGY	456					10.1016/j.powtec.2025.120807	ELSEVIER	0032-5910		WoS
1800	Book Review	Panwar, D; Singh, B; Parmar, M	Resilience and southern urbanism: Towards a new paradigm	2025	JOURNAL OF URBAN AFFAIRS	47	2	724	726		10.1080/07352166.2023.2266287	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	0735-2166		WoS
1801	Article	Bhati, G; Dharanikota, NPSK; Uppaluri, RVS; Mandal, B	Influence of cation exchange on the selective CO2 adsorption performance of Zeolite-Y over CH4 and N2	2025	MICROPOROUS AND MESOPOROUS MATERIALS	387					10.1016/j.micromeso.2025.113537	ELSEVIER	1387-1811		WoS
1802	Article; Early Access	Das, P; Barbora, L; Moholkar, VS	Comparative analysis of biodesulfurization of dibenzothiophene (DBT) and 4,6-dimethyl dibenzothiophene (4,6-DMDBT) by 4S pathway using molecular simulations	2025	PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY						10.1080/10826068.2024.2448183	TAYLOR & FRANCIS INC	1082-6068		WoS
1803	Article; Early Access	Barik, P; Bedamatta, R	Is Contract Farming Fair For Smallholder Farmers? A Case Study From India	2025	JOURNAL OF CONTEMPORARY ASIA						10.1080/00472336.2025.2470871	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	0047-2336		WoS
1804	Review	Patel, PK; Uppaluri, RVS	Adsorption of emerging pollutants utilizing chitosan derivatives: Recent advances and future perspective	2025	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	299					10.1016/j.ijbiomac.2025.140203	ELSEVIER	0141-8130		WoS
1805	Article	Nandi, S; Sahoo, S; Sain, R	An imperative study of the angular observables in $\Lambda_b \rightarrow \Lambda_c+(\rightarrow \Lambda\pi^+)\ell^-(\nu)$ over-bar ℓ decay and probing the footprint of new physics	2024	JOURNAL OF HIGH ENERGY PHYSICS		11				10.1007/JHEP11(2024)053	SPRINGER		gold	WoS
1806	Article	Mohan, S; Negi, MS	Carbon-Nanotube-Based Optical Fiber Sensor With Rapid Response for Human Breath Monitoring and Voiceprint Recognition	2024	IEEE SENSORS LETTERS	8	9				10.1109/LSENS.2024.3446853	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2475-1472		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1807	Book Review	Saikia, P	HOUSE OF THE PEOPLE: Parliament and the Making of Indian Democracy	2024	PACIFIC AFFAIRS	97	3	685	687			PACIFIC AFFAIRS UNIV BRITISH COLUMBIA	0030-851X		WoS
1808	Article; Book Chapter	Saikia, A	Hardwoods and the British Empire in Assam Sal and Teak in the Age of Colonialism, 1850s-1940s	2024	CAPITAL AND ECOLOGY: Developmentalism, Subjectivity and the Alternative Life-Worlds			73	94		10.4324/9781003424420-6	ROUTLEDGE			WoS
1809	Article	Kalita, P; Singh, P; Kakoty, M; Das, M; Das, B; Saikia, R	Turmeric (Curcuma longa L.) drying in a phase change material based solar drying unit with variable tilt angle solar air heater	2025	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	44	3				10.1002/ep.14588	WILEY	1944-7442		WoS
1810	Article; Early Access	Mohanty, A; Saini, GK	Cytochalasin D as a potential MAPK family inhibitor for treating triple-negative breast cancer	2025	MOLECULAR SIMULATION						10.1080/08927022.2025.2466770	TAYLOR & FRANCIS LTD	0892-7022		WoS
1811	Article	Mukherjee, P; Sivaprakasam, S	Engineering the D-lactic acid responsive promoter/repressor system as dynamic metabolic engineering tool in Lactobacillus delbrueckii subsp. bulgaricus for controlled D-lactic acid biosynthesis	2025	ENZYME AND MICROBIAL TECHNOLOGY	185					10.1016/j.enzmictec.2025.110606	ELSEVIER SCIENCE INC	0141-0229		WoS
1812	Article	Bhattacharai, S	Designing a more efficient CsSnI3 based perovskite solar cell with novel bio-synthesized ZnO-NP as ETL	2024	MATERIALS CHEMISTRY AND PHYSICS	318					10.1016/j.matchemphys.2024.129269	ELSEVIER SCIENCE SA	0254-0584		WoS
1813	Article; Book Chapter	Dogra, H; Jha, MK	Federal Polity in the Multiparty Coalition Era and Beyond	2024	INDIAN POLITICS AND POLITICAL PROCESSES: Ideas, Institutions and Practices			174	196		10.4324/9781003434443-11	ROUTLEDGE			WoS
1814	Article	Borah, A	Deep Learning Based Anomaly Detection Approach for Air Pollution Assessment	2025	IEEE TRANSACTIONS ON BIG DATA	11	2	414	425		10.1109/TBDATA.2024.3403392	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2332-7790		WoS
1815	Article	Pathak, SJ; Vairakannu, P	Co-liquefaction of high ash coal and electronic waste plastics: Study of liquefaction reaction kinetics and characterization of the co-liquefied oil	2025	FUEL	390					10.1016/j.fuel.2025.134754	ELSEVIER SCI LTD	0016-2361		WoS
1816	Article	Tripathi, BK; Kumar, I; Kumar, S; Singh, A	Deep Learning-Based Production Forecasting and Data Assimilation in Unconventional Reservoir	2024	SPE JOURNAL	29	10	5189	5206			SOC PETROLEUM ENG	1086-055X		WoS
1817	Article	Bedamatta, R; Bordoloi, M	India's Missing Female Youth Labour Force: Size, Characteristics and Policy Concern	2024	INDIAN JOURNAL OF LABOUR ECONOMICS	67	2	465	481		10.1007/s41027-024-00493-6	INDIAN SOC LABOUR ECONOMICS	0971-7927		WoS
1818	Article	Kumar, R; De, M	Simultaneous bioremediation of diesel-contaminated soil and water ecosystems using mixed culture of Acinetobacter baumannii IITG19 and Providencia vermicola IITG20	2025	ENVIRONMENTAL TECHNOLOGY	46	4	509	526		10.1080/09593330.2024.2361171	TAYLOR & FRANCIS LTD	0959-3330		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1819	Article	Brahma, JK; Khalid, F; Kalita, P	Computational insights to electron-phonon and phonon-phonon interactions in AgX (X = Br, Cl): Refining thermoelectric property predictions	2025	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	200					10.1016/j.jpcs.2025.112620	PERGAMON-ELSEVIER SCIENCE LTD	0022-3697		WoS
1820	Article	Medikonda, P	Comparative analysis of functional group effects on CO2, CH4, CO, and N2 adsorption in UiO-66 and its derivatives	2025	SEPARATION SCIENCE AND TECHNOLOGY	60	6	605	618		10.1080/01496395.2025.2452409	TAYLOR & FRANCIS INC	0149-6395		WoS
1821	Article; Early Access	Prasad, MR; Trivedi, V	Molecular Investigation of FIKK Kinase Family to Develop PCR-Based Diagnosis of Plasmodium falciparum	2024	MOLECULAR BIOTECHNOLOGY						10.1007/s12033-024-01335-y	SPRINGER NATURE	1073-6085		WoS
1822	Article; Early Access	Sarma, S; Singal, D; Sur, A	LoCATe-GAT: Modeling Multi-Scale Local Context and Action Relationships for Zero-Shot Action Recognition	2024	IEEE TRANSACTIONS ON EMERGING TOPICS IN COMPUTATIONAL INTELLIGENCE						10.1109/TETCI.2024.3499995	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2471-285X	Green Submitted	WoS
1823	Article; Early Access	Singh, S; Uppaluri, R	Efficacy of double crucible method for the synthesis of activated carbon from rice husk	2025	BIOMASS CONVERSION AND BIOREFINERY						10.1007/s13399-025-06627-0	SPRINGER HEIDELBERG	2190-6815		WoS
1824	Article	Banik, RK; Das, HJ; Kalita, P	MFIX-TFM simulation of hydrodynamics of a dual fluidized bed system	2024	PARTICULATE SCIENCE AND TECHNOLOGY	42	8	1303	1323		10.1080/02726351.2024.2364898	TAYLOR & FRANCIS INC	0272-6351		WoS
1825	Article	Kumar, P; Mazumder, JT; Jha, RK	Ab-Initio Study on Vertical and Lateral Heterostructures of WS2-MoS2 for Gas Sensing	2024	IEEE SENSORS LETTERS	8	11				10.1109/LENS.2024.3480111	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2475-1472		WoS
1826	Article	Ahmed, G; Annapureddy, PKR; 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	2589-014X		WoS
1827	Article	Ahmed, G; Annapureddy, PKR; Kishore, N	Non-isothermal thermo-chemical pyrolytic conversion of Modar (Erythrina indica L.) and Mahaneem (Azadirachta indica A.): Kinetics & thermodynamics evaluation	2025	INDUSTRIAL CROPS AND PRODUCTS	226					10.1016/j.indcrop.2025.120656	ELSEVIER	0926-6690	hybrid	WoS
1828	Article	Pathak, D; Narzary, S; Nandi, S; Som, B	Part-of-speech tagger for Bodo language using deep learning approach	2025	NATURAL LANGUAGE PROCESSING	31	2	215	229		10.1017/nlp.2024.15	CAMBRIDGE UNIV PRESS		Green Submitted , hybrid	WoS
1829	Article	Kumar, S; Natesan, S	An efficient weak Galerkin finite element method for generalized Black-Scholes PDEs modelling option pricing	2025	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	102	5	761	778		10.1080/00207160.2025.2462079	TAYLOR & FRANCIS LTD	0020-7160		WoS
1830	Article	Panda, SK; Maiti, SK	Recycling of acid-pretreatment hydrolyzates of rice straw for high bioethanol production by S. cerevisiae and P. stipitis fermentation	2024	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	46	1	9499	9511		10.1080/15567036.2024.2380870	TAYLOR & FRANCIS INC	1556-7036		WoS
1831	Correction	Mallick, NS; Dey, TN	Generation, control, storage and retrieval of complicated shaped four-wave mixing signal (vol 53, 045402, 2020)	2024	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	57	17				10.1088/1361-6455/ad6b69	IOP Publishing Ltd	0953-4075		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1832	Article	Bhattacharya, A; Manivannan, V	Colorimetric detection of Pd2+ and Ni2+ ions using a probe having benzo[d] imidazo[2,1-b]thiazole and pyrene rings: Application in detection of Pd2+ ion in anti-hypertensive drugs	2024	MICROCHEMICAL JOURNAL	200					10.1016/j.microc.2024.110440	ELSEVIER	0026-265X		WoS
1833	Article	Porashar, B; Behera, BK; Phukon, H; Saikia, AK	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		10.1039/d4cc00240g	ROYAL SOC CHEMISTRY	1359-7345		WoS
1834	Article	Sinha, AK; Talukdar, S	UBFS-Based Fiber-Reinforced Geopolymer Concrete as Jacketing Material for Retrofitting	2025	JOURNAL OF STRUCTURAL DESIGN AND CONSTRUCTION PRACTICE	30	1				10.1061/JSDCCC.SCEN G-1530	ASCE-AMER SOC CIVIL ENGINEERS	2996-5136		WoS
1835	Article	Upadhyaya, A; Mahanta, C	Optimal Online Energy Management System for Battery-Supercapacitor Electric Vehicles Using Velocity Prediction and Pontryagin's Minimum Principle	2025	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY	74	2	2652	2666		10.1109/TVT.2024.3470999	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9545		WoS
1836	Article; Early Access	Kuri, PR; Goswami, P	Development of a Molecular Beacon-Based Genosensor for Detection of Human Rotavirus A	2024	MOLECULAR BIOTECHNOLOGY						10.1007/s12033-024-01362-9	SPRINGER NATURE	1073-6085		WoS
1837	Article	Chattopadhyay, A; Jana, S	Kernels of perturbed Hankel operators	2025	JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS	544	1				10.1016/j.jmaa.2024.129080	ACADEMIC PRESS INC ELSEVIER SCIENCE	0022-247X	Green Submitted	WoS
1838	Article	Biswas, S; Alagarsamy, P; Srinivasan, A	Influence of atomic substitution on the structural stability and half-metallicity of Fe2-xCrxCoS (x=0 to 1) alloys	2024	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	612					10.1016/j.jmmm.2024.172648	ELSEVIER	0304-8853		WoS
1839	Article	Paul, D; Khijwania, SK	Etched Fiber Bragg Grating-Based Novel Tilt Sensor Employing Effective Refractive Index Induced Intensity Modulation Mechanism	2024	IEEE SENSORS LETTERS	8	11				10.1109/LENS.2024.3482990	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2475-1472		WoS
1840	Article	Hussain, MA; Gupta, R	A Navier-slip model for liquid film thickness in gas-liquid slug flow in capillaries	2024	INDIAN CHEMICAL ENGINEER	66	6	690	705		10.1080/00194506.2024.2384902	TAYLOR & FRANCIS LTD	0019-4506		WoS
1841	Article	Singh, AP; Baruah, JB	Hydrates of N-(Anthracen-9-ylmethyl)-3-(1H-imidazolium-1-yl) propan-1-ammonium Zinc(II) or Cobalt(II) 2,6-pyridinedicarboxylate: Inter-conversions, assembling and utilities	2024	INORGANIC CHEMISTRY COMMUNICATIONS	168					10.1016/j.inoche.2024.112883	ELSEVIER	1387-7003		WoS
1842	Article; Book Chapter	Shome, A; Das, A; Manna, U	Self-healing Superhydrophobic Coatings	2024	ADVANCES IN SUPERHYDROPHOBIC COATINGS			403	427		10.1039/9781837670031-00403	ROYAL SOC CHEMISTRY			WoS
1843	Article	Kamisetty, A; Gandhi, ISR; Kumar, A	Development of dry-cast segmental retaining wall units using fly ash and polypropylene fiber-based foam concrete	2025	JOURNAL OF BUILDING ENGINEERING	101					10.1016/j.job.2025.111844	ELSEVIER			WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1844	Article	Verma, A; Borah, B; Saha, UK; Kulkarni, V	Wind tunnel investigation into the bio-inspired slotted winglets for micro air vehicles	2025	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C- JOURNAL OF MECHANICAL ENGINEERING SCIENCE	239	8	2882	2898		10.1177/09544062241308358	SAGE PUBLICATIONS LTD	0954-4062		WoS
1845	Article	Devi, NB; Pakshirajan, K	Diversifying product portfolio of syngas fermentation in addition to ethanol production by using Clostridium species	2025	BIORESOURCE TECHNOLOGY	427					10.1016/j.biortech.2025.132401	ELSEVIER SCI LTD	0960-8524		WoS
1846	Article	Singh, A; Sinha, RK	SS-DNN: A hybrid strang splitting deep neural network approach for solving the Allen-Cahn equation	2024	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	169					10.1016/j.enganabound.2024.105944	ELSEVIER SCI LTD	0955-7997		WoS
1847	Article	Roy, P; Murmu, K; Pattader, PSG	Dynamic breath figure template for electrohydrodynamic lithography Formation of multiscale micro-craters and wells	2024	SURFACES AND INTERFACES	53					10.1016/j.surfin.2024.105046	ELSEVIER	2468-0230		WoS
1848	Article	Mondal, A; Manivannan, V	A naphthyl appended ninhydrin based colorimetric chemosensor for Cu2+ion: Detection of cysteine and ATP	2024	SPECTROCHIMICA ACTA PART A- MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	322					10.1016/j.saa.2024.124734	PERGAMON- ELSEVIER SCIENCE LTD	1386-1425		WoS
1849	Article; Early Access	Badireddi, S; Bansal, S; Natesan, S	Numerical Solution of Passport Option Pricing Problem with Polynomial Neural Networks	2025	COMPUTATIONAL ECONOMICS						10.1007/s10614-025-10849-9	SPRINGER	0927-7099		WoS
1850	Article	Dar, MR; Ganguly, S	Dual-Stage Model Predictive Control Based Reduced Model Framework for Voltage Control in Active Distribution Networks	2024	JOURNAL OF MODERN POWER SYSTEMS AND CLEAN ENERGY	12	6	1880	1892		10.35833/MPCE.2024.000394	STATE GRID ELECTRIC POWER RESEARCH INST	2196-5625	gold	WoS
1851	Article	Panda, SK; Maiti, SK	Fungus-Yeast Tri-culture System for In Situ Cellulase Production, Biodetoxification, and Bioethanol Production Using Rice Straw with Cyclic Shifting of Temperature Strategy	2024	BIOENERGY RESEARCH	18	1				10.1007/s12155-024-10806-8	SPRINGER	1939-1234		WoS
1852	Article	Shafeeque, M; Nandy, MK	Stability of charged scalar hair on Reissner-Nordström black holes	2024	GENERAL RELATIVITY AND GRAVITATION	56	10				10.1007/s10714-024-03311-y	SPRINGER/PLENUM PUBLISHERS	0001-7701		WoS
1853	Article	Pandey, AM; Singh, A; Kapil, S; Das, M	An optimal toolpath planning for realizing 3D micro metallic features via selective jet electrodeposition (SJED) process	2025	PROGRESS IN ADDITIVE MANUFACTURING	10	4	2055	2071		10.1007/s40964-024-00735-5	SPRINGERNATURE	2363-9512		WoS
1854	Article	Babu, NM; Mishra, AK	Geotechnical performance of black cotton clay in the presence of lead and cadmium solutions for geoenvironmental application	2025	ENVIRONMENTAL TECHNOLOGY	46	8	1178	1192		10.1080/09593330.2024.2379990	TAYLOR & FRANCIS LTD	0959-3330		WoS
1855	Article	Koley, S; Singh, GD; Khwairakpam, M; Kalamdhad, AS	Closing the loop: A circular economy approach to drinking water treatment sludge management	2025	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	13	2				10.1016/j.jece.2025.116110	ELSEVIER SCI LTD	2213-2929		WoS
1856	Article; Early Access	Singh, S; Boruah, BR	Beam manipulation and force estimation in a dynamic holographic optical tweezers	2024	JOURNAL OF OPTICS-INDIA						10.1007/s12596-024-01751-y	SPRINGER INDIA	0972-8821		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1857	Article	Pegu, OA; 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		10.1039/d4tc00643g	ROYAL SOC CHEMISTRY	2050-7526		WoS
1858	Review	Sharma, N; Laishram, B	Decoding the Emergent Patterns of Cost of Quality through the Lens of Sociotechnical Systems: A Bibliometric Analysis	2025	JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT	151	4				10.1061/JCEMD4.COENG-15023	ASCE-AMER SOC CIVIL ENGINEERS	0733-9364		WoS
1859	Article; Early Access	Dwibedi, S; Bag, S	Optimizing Heat Input in Continuous and Pulse Current Mode to Control Defect Formation and Weld Properties in Cupronickel Alloy	2025	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE						10.1007/s11665-025-10920-4	SPRINGER	1059-9495		WoS
1860	Article	Mitra, A; Pandijothi, V; Paul, S	Computational insight into the peptide-based inhibition of α -cobratoxin	2024	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	26	44	28274	28287		10.1039/d4cp03408b	ROYAL SOC CHEMISTRY	1463-9076		WoS
1861	Article	Choudhury, S; Dasmahapatra, AK	Destabilisation of Alzheimer's amyloid- β protofibrils by Baicalein: mechanistic insights from all-atom molecular dynamics simulations	2025	MOLECULAR DIVERSITY	29	3	2445	2461		10.1007/s11030-024-11001-9	SPRINGER	1381-1991		WoS
1862	Article	Deka, C; Shrivastava, A; Abraham, AK; Nautiyal, S; Chauhan, P	AI-based automated speech therapy tools for persons with speech sound disorder: a systematic literature review	2025	SPEECH LANGUAGE AND HEARING	28	1				10.1080/2050571X.2024.2359274	TAYLOR & FRANCIS LTD	2050-571X	Green Submitted	WoS
1863	Article	Roy, K; Basu, S	Topological properties of a periodically driven Creutz ladder	2023	PHYSICAL REVIEW B	108	4				10.1103/PhysRevB.108.045415	AMER PHYSICAL SOC	2469-9950	Green Submitted	WoS
1864	Article	Moral, R; Das, G	An expedition towards designing of luminescent supramolecular metallogels for chemosensing applications	2025	INORGANICA CHIMICA ACTA	581					10.1016/j.ica.2025.122635	ELSEVIER SCIENCE SA	0020-1693		WoS
1865	Article; Early Access	Ranjan, S; Majhi, S	Fixed-time observer-based adaptive free-will arbitrary time intelligent fault-tolerant control for an autonomous quadrotor	2025	INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE						10.1080/00207721.2025.2469817	TAYLOR & FRANCIS LTD	0020-7721		WoS
1866	Article	Ram, B; Majhi, BR	Laws of thermodynamic equilibrium within first order relativistic hydrodynamics	2025	ANNALS OF PHYSICS	476					10.1016/j.aop.2025.169963	ACADEMIC PRESS INC ELSEVIER SCIENCE	0003-4916	Green Submitted	WoS
1867	Article	Singh, H; Nandy, MK	Universality in the quantum nature of spacetime in Wheeler-DeWitt black holes	2025	NUCLEAR PHYSICS B	1013					10.1016/j.nuclphysb.2025.116848	ELSEVIER	0550-3213		WoS
1868	Article	Jaiswal, G; Pan, SC	Ferric Chloride Mediated Dearomative Spirocyclization of Biaryl Ynones: Synthesis of 3,3-Spiroindanones	2025	CHEMISTRY-AN ASIAN JOURNAL	20	10				10.1002/asia.202401694	WILEY-V C H VERLAG GMBH	1861-4728		WoS
1869	Article	Sharma, A; Choudhary, R; Kumar, A; Dash, SB	Evaluation of Open-Graded Friction Course Mixes with Agro-Waste-Derived Natural Fibers	2025	JOURNAL OF TESTING AND EVALUATION	53	1	86	105		10.1520/JTE2024009	AMER SOC TESTING MATERIALS	0090-3973		WoS
1870	Article; Early Access	Barik, P; Bedamatta, R; Vikraman, S	Smallholders in contract farming value chain: Challenges and opportunities, empirical evidence from West Bengal, India	2024	JOURNAL OF INTERNATIONAL FOOD & AGRIBUSINESS MARKETING						10.1080/08974438.2024.2398741	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	0897-4438		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1871	Article; Early Access	Sarnaik, V; Panda, S; Kanagaraj, S	Design and analysis of a quasi-zero stiffness nonlinear vibration isolator using viscoelastic damping materials	2025	NONLINEAR DYNAMICS						10.1007/s11071-025-10962-2	SPRINGER	0924-090X		WoS
1872	Article	Ravi, G; Dasu, VV; Pakshirajan, K	Exploring the impact of sodium acetate on lipid and carotenoid production in Rhodotorula mucilaginosa	2025	PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY	55	5	590	605		10.1080/10826068.2024.2441918	TAYLOR & FRANCIS INC	1082-6068		WoS
1873	Article; Early Access	Prasad, AK; Bag, S; Kapil, S	Investigation on titanium wire melting through high-frequency induction heating for additive manufacturing process	2024	ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES						10.1080/2374068X.2024.2420452	TAYLOR & FRANCIS LTD	2374-068X		WoS
1874	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		10.1039/d4cc00810c	ROYAL SOC CHEMISTRY	1359-7345		WoS
1875	Article	Saikia, J; Sarkar, M; Ramakrishnan, V	Factors affecting the physical stability of peptide self-assembly in neurodegenerative disorders	2025	NEUROPEPTIDES	111					10.1016/j.npep.2025.102517	ELSEVIER	0143-4179		WoS
1876	Article	Mondal, A; Manivannan, V	Aggregation induced emission active pyrene scaffold for real-time chromogenic and fluorogenic selective detection of Pd2+ion and device fabrication	2025	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	333					10.1016/j.saa.2025.125865	PERGAMON-ELSEVIER SCIENCE LTD	1386-1425		WoS
1877	Article	Dubey, G; Vairakannu, P; Tiwari, P	Study of mechanism, kinetics, and product characterization of thermal and catalytic liquefaction of Northeastern Indian coals using supercritical toluene	2025	JOURNAL OF SUPERCRITICAL FLUIDS	218					10.1016/j.supflu.2024.106496	ELSEVIER	0896-8446		WoS
1878	Article	Sahu, A; Panda, B	A TSP-based continuous path planning for additive manufacturing of concrete	2025	PROGRESS IN ADDITIVE MANUFACTURING	10	4	2205	2226		10.1007/s40964-024-00746-2	SPRINGER NATURE	2363-9512		WoS
1879	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		10.1039/d4en00066h	ROYAL SOC CHEMISTRY	2051-8153		WoS
1880	Article	Nupur; Nath, S	Dependence of ContinuousDiscontinuous 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		10.1109/TTE.2022.3232803	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2332-7782		WoS
1881	Article	Jahedi, S; Sarkar, A	Exploring optimal sensitivity of lepton flavor violating effective couplings at the e plus e - colliders	2024	PHYSICAL REVIEW D	110	9				10.1103/PhysRevD.110.095021	AMER PHYSICAL SOC	2470-0010	hybrid	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1882	Article	Shokeen, K; Kumar, S	Newcastle disease virus regulates its replication by instigating oxidative stress- driven Sirtuin 7 production	2024	JOURNAL OF GENERAL VIROLOGY	105	2				10.1099/jgv.0.001961	MICROBIOLOGY SOC	0022-1317		WoS
1883	Article	Negi, MS; Mohan, S; Khijwania, SK	Novel TiO2-GO Nanocomposite-Based Ultrahigh Sensitive Optical Fiber Humidity Sensor	2024	IEEE SENSORS LETTERS	8	12				10.1109/LSENS.2024.3494841	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2475-1472		WoS
1884	Article	Ranjan, S; Majhi, S	Adaptive Neural Predefined-Time Attitude Control of an Uncertain Quadrotor UAV With Actuator Fault	2024	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS	71	12	4939	4943		10.1109/TCSII.2024.3433430	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1549-7747		WoS
1885	Article	Barman, R; Narode, A; Wagh, V	On monogenity of certain number fields defined by $x^{23}sq{r} - m$	2025	COMMUNICATIONS IN ALGEBRA	53	4	1678	1687		10.1080/00927872.2024.2419478	TAYLOR & FRANCIS INC	0092-7872		WoS
1886	Article	Hota, S; Kumar, M	Unveiling the impact of Leptospira TolC efflux protein on host tissue adherence, complement evasion, and diagnostic potential	2024	INFECTION AND IMMUNITY	92	11				10.1128/iai.00419-24	AMER SOC MICROBIOLOGY	0019-9567		WoS
1887	Article	Singh, H; Nandy, MK	Black hole singularity resolution in Wheeler-DeWitt quantum gravity	2024	ANNALS OF PHYSICS	468					10.1016/j.aop.2024.169719	ACADEMIC PRESS INC ELSEVIER SCIENCE	0003-4916		WoS
1888	Article	Roy, R; Dwivedy, SK	Nonlinear dynamic analysis of a spring coupled double beam based piezoelectric energy harvester under parametric base excitation	2024	MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES	52	12	10516	10538		10.1080/15397734.2024.2356725	TAYLOR & FRANCIS INC	1539-7734		WoS
1889	Article	Thungon, PD; 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		10.1021/acsaom.3c00447	AMER CHEMICAL SOC	2771-9855		WoS
1890	Article	Kumar, A; Choudhary, R	Composite Asphalt Binder Formulation Utilizing Residual EPDM Rubber and Waste Plastic Pyrolysis Oil	2025	JOURNAL OF MATERIALS IN CIVIL ENGINEERING	37	4				10.1061/JMCEE7.MTEN G-18992	ASCE-AMER SOC CIVIL ENGINEERS	0899-1561		WoS
1891	Article	Raoniar, R; Singh, S; Pathak, A; Maurya, AK	Analysis of Pedestrian-Vehicle Interaction Dynamics at Signalized Urban Intersections: A Surrogate Safety Measure Approach	2025	TRANSPORTATION RESEARCH RECORD	2679	4	1042	1063		10.1177/03611981241289412	SAGE PUBLICATIONS INC	0361-1981		WoS
1892	Article; Early Access	Warsi, SBF; Panda, B; Biswas, P	Structural analysis of 3D-printed concrete walls under quasi-static cyclic loading using composite micro-model	2024	PROGRESS IN ADDITIVE MANUFACTURING						10.1007/s40964-024-00874-9	SPRINGER NATURE	2363-9512		WoS
1893	Article	Bansal, S; Natesan, S	A novel higher-order efficient computational method for pricing European and Asian options	2025	NUMERICAL ALGORITHMS	99	3	1127	1159		10.1007/s11075-024-01909-6	SPRINGER	1017-1398		WoS
1894	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	AMER PHYSICAL SOC	2469-9950	Green Submitted	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1895	Article	Lenka, BK; Bora, SN	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 HEIDELBERG	2190-5444		WoS
1896	Article	Mehta, SK; Mondal, PK	Electroosmotic mixing of viscoplastic fluids in a microchannel	2024	PHYSICAL REVIEW FLUIDS	9	2				10.1103/PhysRevFluids.9.023301	AMER PHYSICAL SOC	2469-990X		WoS
1897	Article	Kumar, R; Pandey, M	Numerical analysis of heat transfer and fluid flow characteristics of microchannel heat sinks with streamwise variation of fin height	2025	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	163					10.1016/j.icheatmasstransfer.2025.108706	PERGAMON-ELSEVIER SCIENCE LTD	0735-1933		WoS
1898	Article	Samalla, S; Chunchu, M	Crash risk associated with powered two-wheeler filtering maneuvers in urban mixed and weak-lane-disciplined traffic streams	2024	TRANSPORTMETRICA B-TRANSPORT DYNAMICS	12	1				10.1080/21680566.2024.2405827	TAYLOR & FRANCIS LTD	2168-0566		WoS
1899	Article	Roy, A; Kashyap, S; Bhattacharjee, R	Wireless Energy Transfer Using Chirp Waveform With Joint Subband Selection and Max-Min Power Control for IoT Networks	2024	IEEE TRANSACTIONS ON GREEN COMMUNICATIONS AND NETWORKING	8	4	1607	1621		10.1109/TGCN.2024.3391270	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2473-2400		WoS
1900	Article	Ignatius, TM; Singha, TB; Palathinkal, RP	Power Side-Channel Attacks on Crypto-Core Based on RISC-V ISA for High-Security Applications	2024	IEEE ACCESS	12		2E+05	150248		10.1109/ACCESS.2024.3477961	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
1901	Article	Dey, R; Nath, S	Management and control strategy of multiple frequency powers in multifrequency microgrid	2025	RENEWABLE ENERGY FOCUS	53					10.1016/j.ref.2025.100681	ELSEVIER	1755-0084		WoS
1902	Article	Bag, SS; Gogoi, H; Roy, S; Pradhan, MK; Talukdar, S	Fluorescent tetrazolylpyrene unnatural nucleoside in sensing BSA protein	2025	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	463					10.1016/j.jphotochem.2025.116290	ELSEVIER SCIENCE SA	1010-6030		WoS
1903	Article	Jahedi, S	Optimal estimation of dimension-8 neutral triple gauge couplings at the e+e- colliders	2023	JOURNAL OF HIGH ENERGY PHYSICS		12				10.1007/JHEP12(2023)031	SPRINGER	1029-8479	gold	WoS
1904	Article	Kashyap, S; Joshi, S; Mahan, PS; Kayal, S; Mandal, TK	A highly efficient indigenous portable optical sensor for measurement of total chromium concentration in environmental and biological samples: Design, development, and validation with spectroscopic results	2025	MICROCHEMICAL JOURNAL	211					10.1016/j.microc.2025.113098	ELSEVIER	0026-265X		WoS
1905	Article	Dhara, HN; Manna, S; Patel, BK	A Cascade Synthesis of Furo-Pyrrolo-Pyridines via Pd(II)-Catalyzed Dual N-H/C Annulative-Cyclization	2025	CHEMISTRY-A EUROPEAN JOURNAL	31	4				10.1002/chem.202403470	WILEY-V C H VERLAG GMBH	0947-6539	Bronze	WoS
1906	Review; Early Access	Chandra, GV; Ghosh, PK	Systematic review on groundwater quality and its controlling mechanisms in coal mining regions: health risk assessment and strategies for sustainability	2024	ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY						10.1007/s10668-024-05716-w	SPRINGER	1387-585X		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1907	Article	Ojha, S; Shelke, A	Estimation of the Remaining Useful Life of Axially Loaded Members Through Nested Least-Square Support Vector Regression	2025	JOURNAL OF EARTHQUAKE ENGINEERING	29	1	243	264		10.1080/13632469.2024.2424176	TAYLOR & FRANCIS LTD	1363-2469		WoS
1908	Article	Kamireddy, D; Nandy, A	Exact conservation in transient electromagnetics using edge elements	2024	INTERNATIONAL JOURNAL FOR COMPUTATIONAL METHODS IN ENGINEERING SCIENCE & MECHANICS	25	6	434	448		10.1080/15502287.2024.2372813	TAYLOR & FRANCIS INC	1550-2287		WoS
1909	Article; Early Access	Dasgupta, P; Kanaujia, SP	Enlightening the multifarious attributes of the Escherichia coli Sap transport system: a computational perspective	2025	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS						10.1080/07391102.2025.2477147	TAYLOR & FRANCIS INC	0739-1102		WoS
1910	Article	Roshan, AD; Guha, P; Trivedi, G	Hardware-Optimized Regression Tree-Based Sigmoid and Tanh Functions for Machine Learning Applications	2025	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS	72	1	283	287		10.1109/TCSII.2024.3485493	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1549-7747		WoS
1911	Article	Paul, D; Mohan, S; Khijwania, SK	Development of Fiber Bragg Grating-Based Temperature Insensitive Novel All Optical Tilt Sensor	2024	IEEE PHOTONICS TECHNOLOGY LETTERS	36	23	1377	1380		10.1109/LPT.2024.3480327	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1041-1135		WoS
1912	Article	Roy, K; Basu, S	Single and multifrequency driving protocols in a Rashba nanowire proximitized to an s-wave superconductor	2024	PHYSICAL REVIEW B	110	16				10.1103/PhysRevB.110.165403	AMER PHYSICAL SOC	2469-9950	Green Submitted	WoS
1913	Article	Yadav, HNS; Das, M	Evaluation of plasma parameters' impact on MRR and surface roughness in plasma polishing of fused silica: An investigation of surface characterization	2024	VACUUM	225					10.1016/j.vacuum.2024.113263	PERGAMON-ELSEVIER SCIENCE LTD	0042-207X		WoS
1914	Article	Sharma, A; Choudhary, R; Kumar, A; Dash, SB	Optimizing Agro-based Natural Fiber Parameters to Address Binder Drainage in Open-Graded Asphalt Friction Course Mixes Employing Response Surface Methodology	2025	JOURNAL OF TESTING AND EVALUATION	53	3	674	698		10.1520/JTE20240301	AMER SOC TESTING MATERIALS	0090-3973		WoS
1915	Article	Basak, S; Paul, T; Nanjegowda, M; Punniyamurthy, T	Integrating C-H activation/2-fold annulation: a modular access to heteroaryl-tethered oxazoloisoquinolinones	2025	CHEMICAL COMMUNICATIONS	61	8	1693	1696		10.1039/d4cc06123c	ROYAL SOC CHEMISTRY	1359-7345		WoS
1916	Article	Ghosh, S; Khandelia, T; Panigrahi, P; Mandal, R; Patel, BK	Deciphering Co(III)-Catalyzed Oxidative C-H/C-H Annulation Towards Maleimide-Fused Imidazopyridine AEEgens	2025	CHEMISTRY-A EUROPEAN JOURNAL	31	5				10.1002/chem.202403576	WILEY-V C H VERLAG GMBH	0947-6539	Bronze	WoS
1917	Article	Agrawal, I; Manoj, BR	Ergodic Rate for Downlink and Uplink NOMA Aided Integrated Sensing and Communication	2024	IEEE COMMUNICATIONS LETTERS	28	12	2774	2778		10.1109/LCOMM.2024.3482852	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1089-7798		WoS
1918	Article	Singha, TB; Palathinkal, RP; Ahamed, SR	Analysis of S-Box Hardware Resources to Improve AES Intrinsic Security Against Power Attacks	2024	IEEE EMBEDDED SYSTEMS LETTERS	16	4	525	528		10.1109/LES.2024.3478070	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1943-0663		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1919	Article	Das, B; Panda, BN; Dixit, US	Effect of Layer Thickness in Cold Metal Transfer Cladding of Fe-Based ER70S-6 Alloy on AA 6061-T6 Aluminum Alloy	2025	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	34	8	6440	6462		10.1007/s11665-024-09676-0	SPRINGER	1059-9495		WoS
1920	Article	Patra, S; Majhi, BR; Das, S	Accretion flow in deformed Kerr spacetime: spectral energy distributions from free-free emission	2024	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS		1				10.1088/1475-7516/2024/01/060	IOP Publishing Ltd	1475-7516	Green Submitted	WoS
1921	Article	Sarmah, HS; Ghosh, S	Consequences of Magneto-Electrical Coupling in Multiferroic VSe2/Sc2CO2 Heterostructures	2025	JOURNAL OF PHYSICAL CHEMISTRY C	129	13	6466	6476		10.1021/acs.jpcc.4c08598	AMER CHEMICAL SOC	1932-7447		WoS
1922	Article	Barman, J; Ananda, S; Pan, SC	Stereoselective (3+3)-Cycloannulation of Carbonyl Ylides and (Z)-3-Benzylidene-3H-indoles Enabled by Cooperative Rh/Chiral Phosphoric Acid Catalysis	2025	ORGANIC LETTERS	27	8	1929	1934		10.1021/acs.orglett.5c00188	AMER CHEMICAL SOC	1523-7060		WoS
1923	Article	Negi, MS; Mohan, S	Highly Sensitive Optical Fiber Humidity Sensor Employing SiO2 Coated ZnO Nanoparticle Doped PVA	2024	IEEE PHOTONICS TECHNOLOGY LETTERS	36	23	1389	1392		10.1109/LPT.2024.3480313	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1041-1135		WoS
1924	Article	Roy, M; Sardar, B; Mallick, I; Srimani, D	Generation of alkyl and acyl radicals by visible-light photoredox catalysis: direct activation of C-O bonds in organic transformations	2024	BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY	20		1348	1375		10.3762/bjoc.20.119	BEILSTEIN-INSTITUT	1860-5397	gold, Green Accepted	WoS
1925	Article	Singh, P; Dogra, P; Kalamdhad, AS	Effects of pelletization on biomethane production from wheat straw	2025	ENVIRONMENTAL TECHNOLOGY	46	3	431	442		10.1080/09593330.2024.2359095	TAYLOR & FRANCIS LTD	0959-3330		WoS
1926	Article	Mohapatra, AK; Pradhan, B	Evaluation of extent of corrosion degradation and deterioration mechanism of hybrid alkali-activated mortar subjected to sulfuric acid and hydrochloric acid solutions	2025	CONSTRUCTION AND BUILDING MATERIALS	470					10.1016/j.conbuildmat.2025.140506	ELSEVIER SCI LTD	0950-0618		WoS
1927	Article	Nath, D; Neog, DR; Gautam, SS	Transfer learning enhanced deep neural network application in Gauss quadrature for isogeometric analysis	2025	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	145					10.1016/j.engappai.2025.110182	PERGAMON-ELSEVIER SCIENCE LTD	0952-1976		WoS
1928	Article	Mukherjee, A; Kaushik, HB	Strengthening of unreinforced masonry buildings with ferrocement composite overlay: Material characterization and numerical study	2025	CASE STUDIES IN CONSTRUCTION MATERIALS	22					10.1016/j.cscm.2024.e04177	ELSEVIER	2214-5095		WoS
1929	Article	Ravi, G; Dasu, VV; Pakshirajan, K	A comparative evaluation of batch and fed-batch cultures for enhanced lipid, carotenoid, and β-carotene production by Rhodotorula mucilaginosa	2025	PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY	55	5	606	619		10.1080/10826068.2024.2444977	TAYLOR & FRANCIS INC	1082-6068		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1930	Article	Kumari, SVG; Pakshirajan, K; Pugazhenthii, G	Application of active and environment-friendly poly (3hydroxybutyrate)/grapeseed oil/MgO nanocomposite packaging for prolonging the shelf-life of cherry tomatoes (Solanum lycopersicum L . var. cerasiforme)	2024	SUSTAINABLE CHEMISTRY AND PHARMACY	41					10.1016/j.scp.2024.101681	ELSEVIER			WoS
1931	Review	Dwibedi, S; Bag, S	Critical assessment on the influence of process parameters in micro-plasma arc welding process: a review	2024	WELDING INTERNATIONAL	38	9	583	617		10.1080/09507116.2024.2396917	TAYLOR & FRANCIS LTD	0950-7116		WoS
1932	Article	Rana, P; Bandopadhyay, S	SOME SYMMETRIC SIGN PATTERNS REQUIRING UNIQUE INERTIA	2024	ELECTRONIC JOURNAL OF LINEAR ALGEBRA	40		396	417			INT LINEAR ALGEBRA SOC	1537-9582		WoS
1933	Article	Rahul; Kumari, J; Bhardwaj, JS; Agarwal, P	Work function tuning of thermally evaporated V2Oxfilms using UV-Ozone treatment and its influence on V2Ox/c-Si(n) solar cells	2025	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	188					10.1016/j.mssp.2024.109217	ELSEVIER SCI LTD	1369-8001		WoS
1934	Article	Das, N; Borah, D	Light Dirac neutrino portal dark matter with gauged U (1) B-L symmetry	2024	PHYSICAL REVIEW D	109	7				10.1103/PhysRevD.109.075045	AMER PHYSICAL SOC	2470-0010	hybrid	WoS
1935	Article	Kesarwany, AK; Wagh, V	Some simple derivations of polynomial rings	2024	JOURNAL OF THE RAMANUJAN MATHEMATICAL SOCIETY	39	1					RAMANUJAN MATHEMATICAL SOC	0970-1249		WoS
1936	Article	Gupta, PK; Kalita, S; Sarma, AK	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		10.1364/JOSAB.507012	Optica Publishing Group	0740-3224	Green Submitted	WoS
1937	Article	Maturi, KC; Kalamdhad, AS	Comprehensive assessment of composting process of organic substrates using science mapping techniques	2024	BIORESOURCE TECHNOLOGY REPORTS	25					10.1016/j.biteb.2023.101718	ELSEVIER	2589-014X		WoS
1938	Article	Phukan, B; Barua, G	An analytical solution for predicting the steady one-dimensional sequential decay multi-species transport in a heterogeneous soil with a compressible advective fluid	2025	JOURNAL OF EARTH SYSTEM SCIENCE	134	2				10.1007/s12040-024-02505-x	INDIAN ACAD SCIENCES	2347-4327		WoS
1939	Article	Verma, A; Kulkarni, V	Monitoring the Wake of Low Reynolds Number Airfoils for Their Aerodynamic Loads Assessment	2024	JOURNAL OF APPLIED FLUID MECHANICS	17	11	2481	2498		10.47176/jafm.17.11.2607	ISFAHAN UNIV TECHNOLOGY	1735-3572	gold	WoS
1940	Review	Kar, RK	High-throughput and computational techniques for aptamer design	2024	EXPERT OPINION ON DRUG DISCOVERY	19	12	1457	1469		10.1080/17460441.2024.2412632	TAYLOR & FRANCIS LTD	1746-0441		WoS
1941	Article	Kundu, S; Bora, SN	On Ulam type stability of the solution to a ψ -Hilfer abstract fractional functional differential equation	2025	PHYSICA SCRIPTA	100	4				10.1088/1402-4896/adbdfb	IOP Publishing Ltd	0031-8949		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1942	Article	Ghosh, P; Iyer, PK	Multifunctional Fluorescent Probes Unveiling Complex Pathways in Alzheimer's Disease Pathogenesis	2024	ACCOUNTS OF MATERIALS RESEARCH	6	1	89	103		10.1021/accountsmr.4c00303	AMER CHEMICAL SOC		hybrid	WoS
1943	Article	Sulakashna; Barman, R	p-Adic hypergeometric functions and the trace of Frobenius of elliptic curves	2024	INTERNATIONAL JOURNAL OF NUMBER THEORY	20	10	2663	2694		10.1142/S1793042124501276	WORLD SCIENTIFIC PUBL CO PTE LTD	1793-0421	Green Submitted	WoS
1944	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		10.1039/d3dt03945e	ROYAL SOC CHEMISTRY	1477-9226		WoS
1945	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 SCI LTD	0950-0618		WoS
1946	Article	Tripathi, P; Chakraborty, S	Application of dairy wastewater as substrate for bioremediation of coal mine drainage in planted horizontal flow constructed wetland	2025	INTERNATIONAL JOURNAL OF PHYTOREMEDIATION	27	3	330	340		10.1080/15226514.2024.2417375	TAYLOR & FRANCIS INC	1522-6514	Green Submitted	WoS
1947	Article	Dutta, HPI; Bhuyan, MK	Attention-Based 2-D Hand Keypoints Localization	2024	IEEE SENSORS LETTERS	8	9				10.1109/LSENS.2024.3443072	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2475-1472		WoS
1948	Article	Sarkar, P; Barnwal, N; Nandi, N; Sahu, K	Ethanol and Gd3+activated aggregation induced delayed fluorescence in copper nanoclusters for detection of Cr(VI)	2024	MATERIALS TODAY CHEMISTRY	40					10.1016/j.mtchem.2024.102254	ELSEVIER SCI LTD	2468-5194		WoS
1949	Article; Early Access	Saxena, R; Narayanan, RG; Robi, PS	Effect of Heat Treatment on the Mechanical Property Enhancement of 17-4 PH Stainless Steel for Sheet Forming Applications	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE						10.1007/s11665-024-09895-5	SPRINGER	1059-9495		WoS
1950	Article	Lekharu, A; Chauhan, APS; Sur, A; Patra, M	Reinforcement Learning-Based Adaptive Bitrate Caching at MEC Server	2024	IEEE TRANSACTIONS ON NETWORK AND SERVICE MANAGEMENT	21	3	3292	3304		10.1109/TNSM.2024.3367333	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1932-4537		WoS
1951	Article	Jain, S; Bora, SN	Scattering of oblique incident waves by a rigid floating structure in the presence of two surface-piercing thick porous breakwaters: Pattern of reflection, dissipation and wave forces	2025	JOURNAL OF FLUIDS AND STRUCTURES	135					10.1016/j.jfluidstructs.2025.104285	ACADEMIC PRESS LTD- ELSEVIER SCIENCE LTD	0889-9746		WoS
1952	Article; Early Access	Das, AK; Mankodi, TK; Saha, UK	Thrust Vectoring of Double Divergent Nozzle Using Secondary Fluid Injection	2025	JOURNAL OF PROPULSION AND POWER						10.2514/1.B39877	AMER INST AERONAUTICS ASTRONAUTICS	0748-4658		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1953	Article; Early Access	Anand, D; Dey, A; Ravi, K	Water Balance and Slope Stability in a Changing Climate: Combinatorial Influences of Rainfall and Snowmelt-Induced Himalayan Geohazards	2025	INDIAN GEOTECHNICAL JOURNAL						10.1007/s40098-025-01158-x	SPRINGER INDIA	0971-9555		WoS
1954	Article	Iyer, VG; Adda, R	Novel Single-Loop dq Control for LC Filter-Based Single-Phase Standalone Inverter Systems Under Nonlinear Loads	2025	IEEE TRANSACTIONS ON POWER ELECTRONICS	40	1	227	240		10.1109/TPEL.2024.3453390	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0885-8993		WoS
1955	Review	Sarma, S; Mishra, AK	Microbial-Induced Calcium Carbonate Precipitation - A Potentially Sustainable Approach for Geo-environmental Challenges: A Retrospection into the Mechanism, Influencing Factors, Characterization, and Applications	2024	GEOMICROBIOLOGY JOURNAL	41	9	921	938		10.1080/01490451.2024.2401887	TAYLOR & FRANCIS INC	0149-0451		WoS
1956	Article	Islam, M; Basu, S	Screw dislocation in a Rashba spin-orbit coupled α -T3 Aharonov-Bohm quantum ring	2024	SCIENTIFIC REPORTS	14	1				10.1038/s41598-024-61889-4	NATURE PORTFOLIO	2045-2322	gold	WoS
1957	Article	Dahiya, D; Laishram, B	Life cycle energy analysis of buildings: A systematic review	2024	BUILDING AND ENVIRONMENT	252					10.1016/j.buildenv.2024.111160	PERGAMON-ELSEVIER SCIENCE LTD	0360-1323		WoS
1958	Article	Kadulkar, N; Kataki, R; Deka, A; Medhi, H; Chakraborty, S; Singh, A	Comparative Evaluation of the Effect of Different Chelating Agents on Mineral Content and Erosion of Radicular Dentine: A FESEM-EDS Analysis	2024	EUROPEAN ENDODONTIC JOURNAL	9	1	73	80		10.14744/eej.2023.19971	KARE PUBL	2548-0839	Green Published, gold	WoS
1959	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		10.22034/cmde.2023.55266.2296	UNIV TABRIZ	2345-3982		WoS
1960	Article	Therattil, JT; Avinash, MP; Bharadwaj, N	Safety Analysis at Unsignalized T Intersection Using PET and Extreme Value Theorem	2025	TRANSPORTATION IN DEVELOPING ECONOMIES	11	1				10.1007/s40890-024-00233-x	SPRINGER INT PUBL AG	2199-9287		WoS
1961	Article	Kushwaha, AK; Singh, HK; Dobbidi, P	Inconsistency in the critical behavior and magnetic phase transition of La3/4Ca1/4Mn1/2Cr1/2O3	2025	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	622					10.1016/j.jmmm.2025.172948	ELSEVIER	0304-8853		WoS
1962	Article; Early Access	Barik, DN; Chakrabarty, SP	Loan Portfolio Management and Liquidity Risk: The Impact of Limited Liability and Haircut	2025	JOURNAL OF QUANTITATIVE ECONOMICS						10.1007/s40953-025-00442-0	SPRINGER	0971-1554	Green Submitted	WoS
1963	Article	Sharma, N; Kapoor, K	Deadlock Prevention in Payment Channel Networks	2024	IEEE TRANSACTIONS ON NETWORK AND SERVICE MANAGEMENT	21	5	5164	5177		10.1109/TNSM.2024.3435484	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1932-4537		WoS
1964	Article	Karmakar, R	Superradiant scattering of massive scalar field due to magnetically charged rotating black hole	2025	PHYSICS LETTERS B	863					10.1016/j.physletb.2025.139392	ELSEVIER	0370-2693	Green Submitted	WoS
1965	Article	Biswas, S; Kundu, S; Pan, SC	Organocatalytic Asymmetric Synthesis of C-N Atropisomers with Pyrrole, Oxindole and Succinimide Scaffold	2025	CHEMISTRY-AN ASIAN JOURNAL	20	2				10.1002/asia.202401132	WILEY-V C H VERLAG GMBH	1861-4728		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1966	Article	Induchoodan, TG; Baraskar, S; Kalamdhad, AS	Substantiating the water demand in anaerobic digestion using sewage: a study using Ageratum conyzoides and Parthenium hysterophorus-an Indian perspective	2025	BIOMASS CONVERSION AND BIOREFINERY	15	5	6675	6686		10.1007/s13399-024-05536-y	SPRINGER HEIDELBERG	2190-6815		WoS
1967	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	AIP Publishing	1070-6631	hybrid	WoS
1968	Article	Uniyal, A; Chakrabarti, S; Das, S	Study of relativistic accretion flow in the f (R) theory of gravity	2024	PHYSICS OF THE DARK UNIVERSE	44					10.1016/j.dark.2024.101429	ELSEVIER			WoS
1969	Article	Choudhary, PS; Dandapat, S	Morphology-Aware ECG Diagnostic Framework With Cross-Task Attention Transfer for Improved Myocardial Infarction Diagnosis	2024	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	73					10.1109/TIM.2024.3403205	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9456		WoS
1970	Article	Sharma, N; Kapoor, K	maxREE: Maximizing Flow by Replacing Exhausted Edges in Lightning Network	2025	IEEE TRANSACTIONS ON NETWORK SCIENCE AND ENGINEERING	12	2	1011	1025		10.1109/TNSE.2024.3522198	IEEE COMPUTER SOC	2327-4697		WoS
1971	Article	Saha, S; Kanaujia, SP	Structural analysis of the ribosome assembly factor Nep1, an N1-specific pseudouridine methyltransferase, reveals mechanistic insights	2025	FEBS JOURNAL	292	9	2338	2358		10.1111/febs.70005	WILEY	1742-464X		WoS
1972	Article	Nath, N; Chouhan, S	Error and Outage Analysis of Cooperative Underwater Wireless Optical Communication System	2024	IEEE INTERNET OF THINGS JOURNAL	11	24	39721	39730		10.1109/JIOT.2024.3450541	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2327-4662		WoS
1973	Article	Shejule, PA; Pekkat, S	Hybrid Model for Multistep-Ahead Rainfall Forecast in Northeast India: A Comparative Study	2024	JOURNAL OF HYDROMETEOROLOGY	25	8	1221	1236		10.1175/JHM-D-23-0173.1	AMER METEOROLOGICAL SOC	1525-755X		WoS
1974	Article	Pathak, A; Chutia, J; Kulkarni, V	Scramjet Intake Aerodynamic Studies Using Sharp-Interface Immersed Boundary Method	2024	DEFENCE SCIENCE JOURNAL	74	2	181	188		10.14429/dsj.74.19667	DEFENCE SCIENTIFIC INFORMATION DOCUMENTATION CENTRE	0011-748X	gold	WoS
1975	Article	Gautam, N; Deka, D; Das, G	Efficient adsorption of nitroaromatic compounds from reusable hierarchical porous biochar emanates from the Ananas comosus crown and Citrus limetta fibers	2025	CHEMICAL ENGINEERING SCIENCE	308					10.1016/j.ces.2025.121408	PERGAMON-ELSEVIER SCIENCE LTD	0009-2509		WoS
1976	Article	Mohan, S; Banoo, F; Negi, MS; Paul, D	LSPR-Based Optical Fiber Sensor Utilizing GO-ZnO Nanocomposite for Relative Humidity Measurement	2025	IEEE PHOTONICS TECHNOLOGY LETTERS	37	3	145	148		10.1109/LPT.2024.3520207	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1041-1135		WoS
1977	Article	Singh, MJ; Sharma, LN; Dandapat, S	HVDNet: An Interpretable Deep Learning Framework for Heart Valve Disease Classification Using Tri-Axial Seismocardiogram Signals	2025	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	74					10.1109/TIM.2025.3540129	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9456		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1978	Article	Sangineni, R; Chakraborty, M; Nayak, SK	Gassing Tendency of Fresh and Oxidative Aged Mixed Insulating Oils on Electric Sparking	2024	IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION	31	6	3342	3349		10.1109/TDEI.2024.3351117	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1070-9878		WoS
1979	Article	Nath, A; Kapoor, HK	AmLuCEP: Amalgamating LUT-based Compression and Adaptive Encoding Assisted Block Placement To Improve Lifetime of PCM-based Main Memories	2024	ACM TRANSACTIONS ON DESIGN AUTOMATION OF ELECTRONIC SYSTEMS	29	6				10.1145/3689334	ASSOC COMPUTING MACHINERY	1084-4309	Bronze	WoS
1980	Article	Bhardwaj, N; Narayanan, GR; Dixit, US	Improvement of production efficiency and optimization of exit-hole-free FSSW joints using adhesive-bonded consumable pin and lubrication	2024	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	134	5-6	2833	2847		10.1007/s00170-024-14295-z	SPRINGER LONDON LTD	0268-3768		WoS
1981	Article	Gautam, N; Deka, D; Das, G	Green, sustainable and eco-friendly approach for extraction of silica nanoparticles from Ananas comosus and Saccharum ravannae: a comparative study of dye removal from aqueous solution	2025	INDIAN CHEMICAL ENGINEER	67	2	196	206		10.1080/00194506.2024.2390071	TAYLOR & FRANCIS LTD	0019-4506		WoS
1982	Article	Agrawal, D; Krishnaswamy, S; Das, S	On Boolean functions derived from linear maps over Z4 andtheir application to secret sharing	2024	DESIGNS CODES AND CRYPTOGRAPHY	92	12	4011	4033		10.1007/s10623-024-01478-8	SPRINGER	0925-1022		WoS
1983	Article	Jana, P; Kumar, N; Deka, B	Weak Galerkin finite element methods for semilinear Klein-Gordon equation on polygonal meshes	2024	COMPUTATIONAL & APPLIED MATHEMATICS	43	4				10.1007/s40314-024-02745-z	SPRINGER HEIDELBERG	2238-3603		WoS
1984	Article	Singh, M; Tiwari, R	Design Optimization of Angular Contact Ball Bearing Using Genetic Algorithm and Grid Search Method	2023	JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME	145	5				10.1115/1.4056352	ASME	0742-4787		WoS
1985	Article	Ojha, S; Shelke, A	Probabilistic Deep Learning Approach for Fatigue Crack Width Estimation and Prognosis in Lap Joint Using Acoustic Waves	2025	JOURNAL OF NONDESTRUCTIVE EVALUATION, DIAGNOSTICS AND PROGNOSTICS OF ENGINEERING SYSTEMS	8	1				10.1115/1.4065550	ASME	2572-3901		WoS
1986	Review	Panda, C; Kumar, S; Gupta, S; Pandey, LM	Insulin fibrillation under physicochemical parameters of bioprocessing and intervention by peptides and surface-active agents	2025	CRITICAL REVIEWS IN BIOTECHNOLOGY	45	3	643	664		10.1080/07388551.2024.2387167	TAYLOR & FRANCIS LTD	0738-8551		WoS
1987	Article	Vanarse, V; Ravi, B; De, S; Dubey, S; Bandyopadhyay, D	Controlled Micro-Nano-Scale Droplet Generation via Spin Dewetting	2024	PROCESSES	12	8				10.3390/pr12081562	MDPI		gold	WoS
1988	Correction	Kumar, R; Saini, GK; Jawed, M	Recovery potential of aerobic sludge biomass stressed with Cu(II) laden piggery wastewater (Vol 12, 112517, 2024)	2024	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	12	3				10.1016/j.jece.2024.112679	ELSEVIER SCI LTD	2213-2929		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
1989	Article	Samantaray, T; Anand, M; Saini, J; Gupta, CN	Introspection of UBNIN and Modified-UBNIN Algorithms for Structural MRI. Reply to Kelly et al. A Comparison of Brain-State Representations of Binary Neuroimaging Connectivity Data. Comment on Samantaray et al. Unique Brain Network Identification Number for Parkinson's and Healthy Individuals Using Structural MRI. Brain Sci. 2023, 13, 1297 Reply	2024	BRAIN SCIENCES	14	5				10.3390/brainsci14050424	MDPI		Green Published, gold	WoS
1990	Article	Madhukar, P; Pandey, LM; Dixit, US	Post-harvest grain storage: Methods, factors, and eco-friendly solutions	2025	FOOD CONTROL	174					10.1016/j.foodcont.2025.111236	ELSEVIER SCI LTD	0956-7135		WoS
1991	Article; Early Access	Chetri, BK; Sonu, SS; Shelke, RG; Mitra, S; Rangan, L	De Novo Sequencing of Drymaria villosa and Comparative Analysis of Plastome in Caryophyllaceae Across 23 Species	2024	MOLECULAR BIOTECHNOLOGY						10.1007/s12033-024-01317-0	SPRINGER NATURE	1073-6085		WoS
1992	Article; Early Access	Wibneh, A; Singh, AK; Karmakar, S	A comprehensive ergonomic validation of workspaces design employing digital and physical mock-ups in the case of light armored vehicle	2024	JOURNAL OF DEFENSE MODELING AND SIMULATION-APPLICATIONS METHODOLOGY TECHNOLOGY-JDMS						10.1177/15485129241283092	SAGE PUBLICATIONS INC	1548-5129		WoS
1993	Review	Singh, P; Mohanty, SS; Mohanty, K	Comprehensive assessment of microalgal-based treatment processes for dairy wastewater	2024	FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY	12					10.3389/fbioe.2024.1425933	FRONTIERS MEDIA SA	2296-4185	gold	WoS
1994	Article	Dhar, M; Sarkar, D; Das, A; Rahaman, SKA; Ghosh, D; Manna, U	'Rewritable' and 'liquid-specific' recognizable wettability pattern	2024	NATURE COMMUNICATIONS	15	1				10.1038/s41467-024-49807-8	NATURE PORTFOLIO		gold, Green Published	WoS
1995	Article; Early Access	Singh, CP; Sarma, R; Rajput, AS; Kapil, S	A nature-inspired build strategy for consistently fabricating intricate objects by wire-arc-based directed energy deposition	2024	PROGRESS IN ADDITIVE MANUFACTURING						10.1007/s40964-024-00909-1	SPRINGER NATURE	2363-9512		WoS
1996	Article	Nandy, G; Shaw, S; Ghosh, S; Dasmahapatra, AK	High-performance flexible supercapacitor based on PEDOT:PSS wrapped delaminated Ti3C2Tx composite: Experimental and DFT validation	2025	POLYMER	323					10.1016/j.polymer.2025.128185	ELSEVIER SCI LTD	0032-3861		WoS
1997	Article	Parida, A; Muthukumar, P; Dalal, A	Numerical study of a three-stage metal hydride hydrogen compressor considering alloy bed deformation	2024	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	46	1	1	21		10.1080/15567036.2024.2396520	TAYLOR & FRANCIS INC	1556-7036		WoS
1998	Article; Early Access	Dey, U; Chattopadhyay, A	pH Controlled Twist-Angle Dependent Interfacial Quantum Tunneling in Multilayer Molecular Moiré Superlattices of p-Phenylenediamine	2025	ADVANCED QUANTUM TECHNOLOGIES						10.1002/qute.202400569	WILEY			WoS
1999	Article	Hajra, A; Chattopadhyay, A	Moire Superlattices of Zn2+ Mediated 2D Assembly of Mn2+-Cysteine Complex Nanoparticles Alter Electron Spin Transitions in the X-Band	2024	CHEMISTRY OF MATERIALS	36	17	8523	8533		10.1021/acs.chemmater.4c01779	AMER CHEMICAL SOC	0897-4756	Green Submitted	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2000	Article	Venkatesh, D; Sarkar, S; Kandasamy, T; Ghosh, SS	In-silico identification and validation of Silibinin as a dual inhibitor for ENO1 and GLUT4 to curtail EMT signaling and TNBC progression	2025	COMPUTATIONAL BIOLOGY AND CHEMISTRY	115					10.1016/j.compbiochem.2024.108312	ELSEVIER SCI LTD	1476-9271		WoS
2001	Article	Sahu, S; Debnath, T; Sahu, K	Reversible CsPbBr3 ⇌ CsPb2Br5 Transformation via Reverse Micellar Aqueous Solution	2024	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	15	13	3677	3682		10.1021/acs.jpcllett.4c00451	AMER CHEMICAL SOC	1948-7185		WoS
2002	Article	Debnath, S; Dey, S; Giri, PK	Exploring Moire Superlattices and Memristive Switching in Non-van der Waals Twisted Bilayer Bi2O2Se	2025	ACS APPLIED MATERIALS & INTERFACES	17	5	8219	8230		10.1021/acsami.4c23080	AMER CHEMICAL SOC	1944-8244		WoS
2003	Article	Kumar, N; Khan, MM; Sonkar, RK	Design of an all-optical AND gate with optimized response-time and area via nanostructured metamaterial: Light-matter interaction analysis	2025	RESULTS IN OPTICS	18					10.1016/j.rio.2024.100766	ELSEVIER			WoS
2004	Article	Basumatary, R; Sahu, S; Goyari, D; Pamu, D; Brahma, R	Effect of manganese (Mn) doping on the structural, dielectric, ferroelectric, and ferromagnetic properties of ceria (CeO 2)	2024	JOURNAL OF ALLOYS AND COMPOUNDS	999					10.1016/j.jallcom.2024.174958	ELSEVIER SCIENCE SA	0925-8388		WoS
2005	Article	Gawal, PM; 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	2589-014X		WoS
2006	Article	Banoo, F; Chanu, MA; Iyer, PK; Khijwania, SK	Novel Optical Fiber Sensor for Explosive (Trinitrophenol) Detection	2025	JOURNAL OF LIGHTWAVE TECHNOLOGY	43	3	1411	1418		10.1109/JLT.2024.3453191	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0733-8724		WoS
2007	Article; Early Access	Kandasamy, T; Sarkar, S; Ghosh, SS	Synergistic Therapeutic Effects of Zn Ions and Pimozide in Breast Cancer Cells	2025	CHEMISTRY & BIODIVERSITY						10.1002/cbdv.202402883	WILEY-V C H VERLAG GMBH	1612-1872		WoS
2008	Article; Early Access	Devi, OB; Sarma, P; Dutta, P; Hazarika, BN; Singh, S; Deo, C; Singh, NS; Singh, YD	Biogenic Synthesis of Copper Nanoparticles from Curcuma caesia Leaves and its Characterisation for Potential Application Towards Agriculture	2024	NATIONAL ACADEMY SCIENCE LETTERS-INDIA						10.1007/s40009-024-01565-3	SPRINGER INDIA	0250-541X		WoS
2009	Article	Ghosh, K; Roy, SS; Giri, PK	Fast Reduction of 4-Nitrophenol and Photoelectrochemical Hydrogen Production by Self-Reduced Bi/Ti3C2Tx /Bi2S3 Nanocomposite: A Combined Experimental and Theoretical Study	2024	ACS APPLIED MATERIALS & INTERFACES	16	32	42007	42020		10.1021/acsami.4c04167	AMER CHEMICAL SOC	1944-8244		WoS
2010	Article	Karn, R; Biswas, S; Srimayee, S; Patel, A; Chauhan, S; Manna, D	Metal-Responsive Fluorophore and Amikacin-Conjugated Heparin for Bacterial Cell Imaging and Antibacterial Applications	2024	ACS INFECTIOUS DISEASES	11	5	1078	1091		10.1021/acsinfecdis.4c00740	AMER CHEMICAL SOC	2373-8227		WoS
2011	Article	Alom, SE; Kalita, S; Kawa, AH; Mandal, B; Swaminathan, R	Early events during the aggregation of Aβ16-22-derived switch-peptides tracked using Protein Charge Transfer Spectra	2024	ANALYTICA CHIMICA ACTA	1297					10.1016/j.aca.2024.342374	ELSEVIER	0003-2670		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2012	Article	Sarkar, S; Kandasamy, T; Ghosh, SS	Inhibition of the MLL1-WDR5 interaction modulates epithelial to mesenchymal transition and metabolic pathways in triple-negative breast cancer cells	2025	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	755					10.1016/j.bbrc.2025.151559	ACADEMIC PRESS INC ELSEVIER SCIENCE	0006-291X		WoS
2013	Review	Sarkar, S; Venkatesh, D; Kandasamy, T; Ghosh, SS	Epigenetic Modulations in Breast Cancer: An Emerging Paradigm in Therapeutic Implications	2024	FRONTIERS IN BIOSCIENCE-LANDMARK	29	8				10.31083/j.fbl2908287	IMR PRESS	2768-6701	gold	WoS
2014	Article	Das, NK; Hussain, R; Vatti, AK; Banerjee, T	Thermal performance of bio-nanofluid dihydrolevoglucosenone: Experimental and atomistic simulation investigations	2025	AICHE JOURNAL	71	4				10.1002/aic.18718	WILEY	0001-1541		WoS
2015	Article	Ghosh, M; Pathak, S; Maity, D	On ZprZpsZpt -additive cyclic codes exhibit asymptotically good properties	2024	CRYPTOGRAPHY AND COMMUNICATIONS-DISCRETE-STRUCTURES BOOLEAN FUNCTIONS AND SEQUENCES	16	6	1559	1580		10.1007/s12095-024-00737-8	SPRINGER	1936-2447		WoS
2016	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	0022-3093		WoS
2017	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	ASSOC COMPUTING MACHINERY	1084-4309		WoS
2018	Article; Book Chapter	Narjinari, H; Bisarya, A; Arora, V; Nandi, PG; Das, K; Kumar, A	Current State-of-Artinthe Guerbet-Type β-Alkylation of Secondary Alcohols with Primary Alcohols Catalyzed by Complexes Based on 3d Metals	2024	DEHYDROGENATION REACTIONS WITH 3D METALS	73		93	127		10.1007/3418_2023_112	SPRINGER INTERNATIONAL PUBLISHING AG	1436-6002		WoS
2019	Article; Early Access	Chetri, BK; Sonu, SS; Shelke, RG; Mitra, S; Rangan, L	De Novo Plastome Analysis of Elsholtzia blanda and Comparative Insights Across the Elsholtzia Genus	2025	NATIONAL ACADEMY SCIENCE LETTERS-INDIA						10.1007/s40009-025-01633-2	SPRINGER INDIA	0250-541X		WoS
2020	Article	Konwar, M; Hazarika, N; Sarmah, BK; Das, A	Ruthenium(II)-Catalyzed Oxidative Annulation of Imidazo[1,5-a]quinolin-2-iums Salts and Internal Alkynes via C-H Bond Activation	2024	CHEMISTRY-A EUROPEAN JOURNAL	30	33				10.1002/chem.202401133	WILEY-V C H VERLAG GMBH	0947-6539		WoS
2021	Article	Dhaked, DK; 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	2097-2512	gold	WoS
2022	Review	Ghosh, P; Saikia, AK	BF3OEt2-catalyzed/mediated alkyne cyclization: a comprehensive review of heterocycle synthesis with mechanistic insights	2024	ORGANIC & BIOMOLECULAR CHEMISTRY	22	46	8991	9020		10.1039/d4ob01426j	ROYAL SOC CHEMISTRY	1477-0520		WoS
2023	Article	Hajra, A; Chattopadhyay, A	Chemically Reversible Translational Moire Superlattice Formations in the Two-Dimensional Films of the Zinc Phthalate Complex	2024	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	15	39	10046	10053		10.1021/acs.jpcllett.4c02284	AMER CHEMICAL SOC	1948-7185	Green Submitted	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2024	Article	Bhowmick, P; Lanzon, A	Dynamic dissipative characterisation of time-domain input-output negative imaginary systems	2024	AUTOMATICA	164					10.1016/j.automatica.2024.111620	PERGAMON-ELSEVIER SCIENCE LTD	0005-1098		WoS
2025	Article	Sonowal, J; Roy, A; Muthukumar, P; Anandalakshmi, R	Antimicrobial desiccant-crosslinked hydrogel beads for air dehumidification	2025	INTERNATIONAL JOURNAL OF THERMAL SCIENCES	212					10.1016/j.ijthermalsci.2025.109776	ELSEVIER FRANCE-EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER	1290-0729		WoS
2026	Article; Early Access	Pathak, S; Raj, R; Maity, D	Skew negacyclic codes of length 4ps over Fpm plus uFpm	2025	CRYPTOGRAPHY AND COMMUNICATIONS-DISCRETE-STRUCTURES BOOLEAN FUNCTIONS AND SEQUENCES						10.1007/s12095-025-00779-6	SPRINGER	1936-2447		WoS
2027	Article	Avunhippuram, N; Cyrus, S; Sekharan, S	Hybrid Immobilization-Phytoremediation Approach for Constructed Wetlands Minimizing the Geoenvironmental Impact of Chromium-Contaminated Soil	2025	JOURNAL OF ENVIRONMENTAL ENGINEERING	151	4				10.1061/JOEEDU.EEENG-7949	ASCE-AMER SOC CIVIL ENGINEERS	0733-9372		WoS
2028	Article	Saikia, S; Prit, H; Maturi, KC; Kalamdhad, AS	Amendment of Nutrient-deficient Alluvial Soil by Municipal Solid Waste Char and Compost for the Remediation of Contaminants and Enhancement of Plant Growth	2025	WATER AIR AND SOIL POLLUTION	236	4				10.1007/s11270-025-07872-9	SPRINGER INT PUBL AG	0049-6979		WoS
2029	Article	Sarkar, A; Robi, PS; Srinivasan, A	AA5083/ZrO2-SiO2 hybrid surface nanocomposite by friction stir processing, characterization of microstructure and tribological behaviour	2025	MATERIALS CHEMISTRY AND PHYSICS	335					10.1016/j.matchemphys.2025.130491	ELSEVIER SCIENCE SA	0254-0584		WoS
2030	Article	Sontakke, AD; Tiwari, S; Gupta, P; Banerjee, SK; Purkait, MK	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			WoS
2031	Article; Early Access	Chaurasia, HK; Majhi, M	Spatial Sound Design for Cinematic Virtual Reality-A Bibliometric Analysis	2024	JOURNAL OF CREATIVE COMMUNICATIONS						10.1177/09732586241296197	SAGE PUBLICATIONS INC	0973-2586		WoS
2032	Article	Srinivas, D; Ventrpragada, DP; Panda, B; Sitharam, TG	A study on the effect of mixture constituents on washout resistance, mechanical, and transport properties in the context of underwater 3D concrete printing	2025	JOURNAL OF SUSTAINABLE CEMENT-BASED MATERIALS	14	3	446	465		10.1080/21650373.2024.2380516	TAYLOR & FRANCIS LTD	2165-0373		WoS
2033	Article	Gawal, PM; 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	2589-014X		WoS
2034	Article	Sonowal, J; Roy, A; Anandalakshmi, R; Muthukumar, P	Optimization of hybrid organic-inorganic desiccant composition and parametric analysis for air conditioning applications	2025	JOURNAL OF BUILDING ENGINEERING	103					10.1016/j.job.2025.112092	ELSEVIER			WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2035	Article	Ranjan, A; Mandal, KK; Mallick, S	The land use and land cover changes, 1994-2024: implications for livelihood options and employment opportunities in Dhanbad, India	2025	SPATIAL INFORMATION RESEARCH	33	1				10.1007/s41324-025-00605-4	SPRINGER SINGAPORE PTE LTD	2366-3286		WoS
2036	Article	Vardani, J; Sain, R	Model-independent analysis of new physics effects in $B \rightarrow K2^* (1430) \mu^+ \mu^-$ decay	2024	EUROPEAN PHYSICAL JOURNAL C	84	11				10.1140/epjc/s10052-024-13508-9	SPRINGER	1434-6044	gold	WoS
2037	Article	Kumar, SS; Shaji, A; Muthu, N	A two-field mixed formulation with scattered pressure node distribution in element-free Galerkin method for alleviating volumetric locking in hyperelastic materials	2025	ACTA MECHANICA SINICA	41	10				10.1007/s10409-024-24446-x	SPRINGER HEIDELBERG	0567-7718		WoS
2038	Article; Early Access	Nemade, LH; Robi, PS; Biswas, P	Investigation on the mechanisms and mitigation strategies for adhesive wear in reformer HP40Nb steel	2024	EMERGENT MATERIALS						10.1007/s42247-024-00950-4	SPRINGER NATURE	2522-5731		WoS
2039	Article	Ningthoukhongjam, SS; Singh, KD	Analysis of seismic responses due to interaction of mass irregular floors along the building height	2025	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	50	2				10.1007/s12046-025-02727-9	SPRINGER INDIA	0256-2499		WoS
2040	Article	Heo, C; Son, J; Meyyappan, M; Kim, K	Design and Sensitivity Analysis of Double Gate Dielectric-Modulated Thyristor for Highly Sensitive Biosensing	2025	IEEE TRANSACTIONS ON ELECTRON DEVICES	72	3	1377	1382		10.1109/TED.2025.3534172	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9383		WoS
2041	Article; Early Access	Goyal, V; Verma, G; Dixit, US	In-vitro study of Ti6Al4V alloy fabricated by laser-based additive manufacturing for orthopedic implant applications	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E- JOURNAL OF PROCESS MECHANICAL ENGINEERING						10.1177/09544089241289723	SAGE PUBLICATIONS LTD	0954-4089		WoS
2042	Article	Sarkar, D; Ali, H; Singh, R; Phukan, A; Mishra, C; Paily, RP; Manna, U	Conductive Textile Embedded with Bioinspired Wettability for Prolonged and Energy Efficient Thermal Management	2025	SMALL	21	13				10.1002/smll.202412741	WILEY-VCH VERLAG GMBH	1613-6810		WoS
2043	Article	Mia, AK; Meyyappan, M; Giri, PK	Asymmetric contact-induced selective doping of CVD-grown bilayer WS ₂ and its application in high-performance photodetection with an ultralow dark current	2024	NANOSCALE	16	17	8583	8596		10.1039/d3nr06118c	ROYAL SOCIETY OF CHEMISTRY	2040-3364		WoS
2044	Article	Shrivastava, S; John, S; Rajesh, A; Bora, PK	Collision Penalty-Based Defense Against Collusion Attacks in Cognitive Radio Enabled Smart Devices	2024	IEEE TRANSACTIONS ON CONSUMER ELECTRONICS	70	1	3963	3976		10.1109/TCE.2023.3321797	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0098-3063		WoS
2045	Correction	Acharyya, R; Dey, A	Application of MGGP in Predicting Bearing Capacity of a Strip Footing Resting on the Crest of a Marginal Soil(vol 28,pg 4244,2024)	2024	KSCE JOURNAL OF CIVIL ENGINEERING	28	11				10.1007/s12205-024-7217-0	KOREAN SOCIETY OF CIVIL ENGINEERS- KSCE	1226-7988	hybrid	WoS
2046	Article	Bhargava, N; Siddagangaiah, AK; Ryntathiang, TL	Influence of ageing and moisture conditions on the ravelling resistance of the micro-surfacing mix	2025	ROAD MATERIALS AND PAVEMENT DESIGN	26	3	679	693		10.1080/14680629.2024.2379869	TAYLOR & FRANCIS LTD	1468-0629		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2047	Article; Early Access	Nemade, LH; Robi, PS; Biswas, P	Enhancing abrasive wear resistance in HP40Nb reformer steel through carburization	2025	AUSTRALIAN JOURNAL OF MECHANICAL ENGINEERING						10.1080/14484846.2025.2469378	TAYLOR & FRANCIS LTD	1448-4846		WoS
2048	Article	Barua, A; Baruah, T; Vij, S	Game theoretical analysis of China-India interactions in the Brahmaputra River Basin	2025	JOURNAL OF HYDROLOGY	652					10.1016/j.jhydrol.2024.132602	ELSEVIER	0022-1694	hybrid	WoS
2049	Article	Ghosh, S; Mondal, SS; Swain, J	Strichartz estimates associated with the Grushin operator	2024	NEW YORK JOURNAL OF MATHEMATICS	30		1621	1642			ELECTRONIC JOURNALS PROJECT	1076-9803		WoS
2050	Article; Early Access	Poudel, J; Bhattarai, S; Tara, A; Rahman, MF; Nath, N; Tanti, B	Recent progress in microcrystalline cellulose for solar cell applications: a comprehensive review	2025	JOURNAL OF OPTICS-INDIA						10.1007/s12596-025-02671-1	SPRINGER INDIA	0972-8821		WoS
2051	Article	Sarmah, T; Pal, S; Barman, D; Barman, D; Jaganathan, BG; Iyer, PK	Tailoring Chain-Length in Through-Space Charge-Transfer Donor- σ -Acceptor Multifunctional Emitters for Efficient Long-Term Bioimaging	2025	ADVANCED OPTICAL MATERIALS	13	11				10.1002/adom.202403060	WILEY-V C H VERLAG GMBH	2195-1071		WoS
2052	Article	Kumar, S; Uniyal, A; Chakrabarti, S	Observational signatures of Rotating compact objects in Plasma space-time	2024	PHYSICS OF THE DARK UNIVERSE	44					10.1016/j.dark.2024.101472	ELSEVIER		Green Submitted	WoS
2053	Review	Kumar, A; Choudhary, R; Kumar, A	A review of the application of crosslinking additives in asphalt binder modification for rheological changes and storage stability	2024	EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING	28	12	2821	2861		10.1080/19648189.2024.2327847	TAYLOR & FRANCIS LTD	1964-8189		WoS
2054	Article	Dutta, A; Barbora, L; Stom, D; Goswami, P	Improving power performance of sediment microbial fuel cell through Water lettuce (Pistia stratiotes) assisted boosting of cathodic activity	2025	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	215					10.1016/j.rser.2025.115565	PERGAMON-ELSEVIER SCIENCE LTD	1364-0321		WoS
2055	Article; Early Access	Das, B; Devi, K; Mohanty, K	Microwave furfural aldol condensation with acetone to biofuel intermediates over a potassium promoted waste red mud-derived catalyst	2025	BIOFUELS-UK						10.1080/17597269.2025.2466914	TAYLOR & FRANCIS LTD	1759-7269		WoS
2056	Review	Chettri, D; Verma, AK; Chirania, M; Verma, AK	Metagenomic approaches in bioremediation of environmental pollutants☆	2024	ENVIRONMENTAL POLLUTION	363					10.1016/j.envpol.2024.125297	ELSEVIER SCI LTD	0269-7491		WoS
2057	Article	Rahman, P; Chakraborty, N; Patel, BK; Rajbongshi, KK	Iodine-Promoted Sulfoximidation of Cinnamic Acids via Oxidative C=C Bond Cleavage	2024	JOURNAL OF ORGANIC CHEMISTRY	89	15	10472	10484		10.1021/acs.joc.4c00585	AMER CHEMICAL SOC	0022-3263		WoS
2058	Article	Janveja, M; Parmar, R; Dash, S; Pidanic, J; Trivedi, G	A Low-Power Co-Processor to Predict Ventricular Arrhythmia for Wearable Healthcare Devices	2024	IEEE TRANSACTIONS ON VERY LARGE SCALE INTEGRATION (VLSI) SYSTEMS	32	9	1672	1683		10.1109/TVLSI.2024.3413584	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1063-8210		WoS
2059	Article; Early Access	Dey, D; Panda, B; Shukla, Y; Rawal, R	A comprehensive assessment of thermal performance of 3D printed concrete lattice walls	2025	PROGRESS IN ADDITIVE MANUFACTURING						10.1007/s40964-025-01042-3	SPRINGER NATURE	2363-9512		WoS
2060	Article; Early Access	Kumari, A; Sairam, AS	Look Ahead Before You Leap: SDN Switch Migration Scheduling for Load Balancing	2024	WIRELESS PERSONAL COMMUNICATIONS						10.1007/s11277-024-11056-9	SPRINGER	0929-6212	Green Submitted	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2061	Article	Haq, I; Kalamdhad, AS	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	2589-014X		WoS
2062	Article	Kesarwani, J; Majumder, A; Sharma, I; Kesarwany, AK	An Analytical and Numerical Approach to Solve the Tsunami Wave Propagation Equation	2025	CONTEMPORARY MATHEMATICS	6	1	412	424		10.37256/cm.6120252793	Universal Wiser Publisher	2705-1064		WoS
2063	Article	Barman, SN; Kumari, K; Roy, AS	Adsorption of plasma protein human serum albumin on surface functionalized multi-walled carbon nanotubes: Insights into binding interactions and effects on protein fibrillation	2025	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	304					10.1016/j.ijbiomac.2025.140802	ELSEVIER	0141-8130		WoS
2064	Article	Patel, PK; Pandey, LM; Uppaluri, RVS	Conceptual techno-economic analysis of chitosan derivative resin and commercial sorbents for multi-heavy metal removal	2025	SEPARATION AND PURIFICATION TECHNOLOGY	362					10.1016/j.seppur.2025.131732	ELSEVIER	1383-5866		WoS
2065	Article	Raj, S; Biswas, P; Vadani, M; Yadav, A; Vikrant, KSN; Bhowmik, A	On the Joining of High-Strength Dissimilar Inconel 600 and SS316L Materials by Friction Stir Welding with Improved Mechanical Properties and Localized Corrosion Resistance	2025	ADVANCED ENGINEERING MATERIALS	27	9				10.1002/adem.202400767	WILEY-V C H VERLAG GMBH	1438-1656		WoS
2066	Article	Singh, V; Das, C	Detailed Study of Mosambi Juice Clarification by Hybrid (Packed Column and Membrane) Process	2023	IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING- INTERNATIONAL ENGLISH EDITION	42	7	2221	2232			JIHAD DANESHGAHI	1021-9986		WoS
2067	Article	Das, K; Tiwari, V; Prasannavenkadesan, V; Banerjee, SK; Katiyar, V	In Vitro Biocompatibility and Wound Healing Potential of Bilayered Scaffold With Electrospun Gentamicin-Loaded Pullulan/PVA/Gum Arabic Nanofibers and Solvent-Casted PLA	2025	JOURNAL OF APPLIED POLYMER SCIENCE	142	15				10.1002/app.56731	WILEY	0021-8995		WoS
2068	Article	Kanumuri, D; Kumar, A; Baruah, N; Nayak, SK	Influence of Thermal Aging on DC Conductivity and Breakdown Strength of Natural Ester Oils for HVDC Applications	2024	IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION	31	6	3444	3452		10.1109/TDEI.2024.3416929	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1070-9878		WoS
2069	Article	Jain, K; Kumar, S; Dhar, M; Ali, H; Barman, N; Sarkar, D; Tenjimbayashi, M; Manna, U	Droplet Green Chemistry Using Thermally Shape-Reconfigurable Omniphobic Colloidosomes	2024	CHEMISTRY OF MATERIALS	36	18	8692	8703		10.1021/acs.chemmater.4c01261	AMER CHEMICAL SOC	0897-4756		WoS
2070	Review	Achomo, MA; Kumar, A; Peela, NR; 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		10.1016/j.ijhydene.2024.01.159	PERGAMON-ELSEVIER SCIENCE LTD	0360-3199		WoS
2071	Article; Early Access	Naik, JK; Muduli, PK; Karna, P; Behera, GC	Shear wave Velocity-Based Machine Learning Modeling for Prediction of Liquefaction Potential of Soil	2024	INDIAN GEOTECHNICAL JOURNAL						10.1007/s40098-024-01121-2	SPRINGER INDIA	0971-9555		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2072	Article; Early Access	Sachin, EK; Muthu, N; Tiwari, P	Hybrid recycling methods for fiber reinforced polymer composites: A review	2024	JOURNAL OF REINFORCED PLASTICS AND COMPOSITES						10.1177/07316844241258557	SAGE PUBLICATIONS LTD	0731-6844		WoS
2073	Article	More, A; Parida, A; Muthukumar, P; Kalita, P; Dalal, A	Comparative performance analysis of finned and metal foam metal hydride reactors for efficient heating and cooling operations	2025	THERMAL SCIENCE AND ENGINEERING PROGRESS	60					10.1016/j.tsep.2025.103473	ELSEVIER	2451-9049		WoS
2074	Article	Kumar, G; Ravidas, BK; Bhattarai, S; Roy, MK; Samajdar, DP	Density functional theory based computation of the optoelectronic properties of double perovskites A2InAgBr6 (A= Na, Cs, Rb, and K) and their performance assessment as absorber for photovoltaic applications	2025	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	190					10.1016/j.mssp.2025.109269	ELSEVIER SCI LTD	1369-8001		WoS
2075	Article	Parashar, S; Muthukumar, P; Kumar, EA; Soti, AK	Experimental study on multi tube metal hydride reactor for medium temperature hydrogen and thermochemical energy storage applications	2025	RENEWABLE ENERGY	242					10.1016/j.renene.2025.122350	PERGAMON-ELSEVIER SCIENCE LTD	0960-1481		WoS
2076	Article	Jothi, M; Takano, J; Sahoo, L	Higher Boron Accumulation is Associated with Low-Boron Tolerance in Mustard	2024	JARQ-JAPAN AGRICULTURAL RESEARCH QUARTERLY	58	4	205	214			JAPAN INT RESEARCH CENTER AGRICULTURAL SCIENCES	0021-3551		WoS
2077	Review; Early Access	Panthi, KP; Panda, C; Pandey, LM; Sharma, ML; Joshi, MK	Bio-Interfacial Insights of Nanoparticles Integrated Plant Protein-Based Films for Sustainable Food Packaging Applications	2025	FOOD REVIEWS INTERNATIONAL						10.1080/87559129.2025.2458563	TAYLOR & FRANCIS INC	8755-9129		WoS
2078	Article	Thejaswini, P; Suresh, G; Chiraag, V; Nandi, S	Approximate CNN Hardware Accelerators for Resource Constrained Devices	2025	IEEE ACCESS	13		12542	12553		10.1109/ACCESS.2025.3529668	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2079	Article	Mukherjee, P; Pal, S; Sivaprakasam, S	Optimization of D-lactic acid biosynthesis from diverse carbon sources in mutant Lactobacillus delbrueckii subsp. bulgaricus via random mutagenesis	2025	SYSTEMS MICROBIOLOGY AND BIOMANUFACTURING	5	2	702	721		10.1007/s43393-024-00316-1	SPRINGERNATURE	2662-7655		WoS
2080	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		10.1039/d4cc00864b	ROYAL SOC CHEMISTRY	1359-7345		WoS
2081	Article	Oh, S; Kim, H; Meyyappan, M; Kim, K	Design and Analysis of Near-IR Photodetector Using Machine Learning Approach	2024	IEEE SENSORS JOURNAL	24	16	25565	25572		10.1109/JSEN.2024.3416350	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1530-437X		WoS
2082	Article	Parashar, S; Muthukumar, P; Soti, AK	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	2451-9049		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2083	Article	Samalla, S; Kar, P; Chunchu, M	Evaluating the crash risk of powered two-wheelers in urban mixed traffic environments: a conflict threshold perspective	2024	INTERNATIONAL JOURNAL OF INJURY CONTROL AND SAFETY PROMOTION	31	3	477	486		10.1080/17457300.2024.2344161	TAYLOR & FRANCIS LTD	1745-7300		WoS
2084	Article	Vikas, V; Deka, K; Sharma, S; Rajesh, A	ADMM-Based Detector for Large-Scale MIMO Dense Code-Domain NOMA Systems	2024	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY	73	11	17024	17040		10.1109/TVT.2024.3424690	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9545		WoS
2085	Article	Mali, B; Singh, PK; Mazumdar, N	SAFe-Health: Guarding federated learning-driven smart healthcare with federated defense averaging against data poisoning	2024	SECURITY AND PRIVACY	7	5				10.1002/spy2.403	WILEY	2475-6725		WoS
2086	Review	Bharathwajchetty, B; Sajeev, A; Vishwa, R; Aswani, BS; Alqahtani, MS; Abbas, M; Kunnumakkara, AB	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		10.1007/s10555-024-10171-0	SPRINGER	0167-7659		WoS
2087	Article	Raoniar, R; Shrivastava, MD; Maurya, AK	Analysis of Pedestrian Response Time in Two-Step Crossing at Signalized Intersection Crosswalks: A Study of Kolkata, India	2025	TRANSPORTATION IN DEVELOPING ECONOMIES	11	1				10.1007/s40890-024-00225-x	SPRINGER INT PUBL AG	2199-9287		WoS
2088	Article; Early Access	Swain, B; Lipsa, L; Parida, S; Behera, S; Panda, AB; Verma, SK	Study of β -phase, dielectric and ferroelectric properties of graphene oxide-reinforced poly[(vinylidene fluoride)-co-trifluoroethylene]-based three-phase composite films for energy storage applications	2025	POLYMER INTERNATIONAL						10.1002/pi.6757	WILEY	0959-8103		WoS
2089	Article	Ghosh, P; Mukhopadhyay, S; Kandasamy, T; Mondal, S; Ghosh, SS; Iyer, PK	Multifunctional hydroxyquinoline-derived turn-on fluorescent probe for Alzheimer's disease detection and therapy	2025	JOURNAL OF MATERIALS CHEMISTRY B	13	4	1412	1423		10.1039/d4tb01740d	ROYAL SOC CHEMISTRY	2050-750X		WoS
2090	Article	Nam, E; Kim, H; Meyyappan, M; Kim, K	Enhanced NIR photo response of ZnO-silicon nanowire array photodetector	2025	APPLIED SURFACE SCIENCE	687					10.1016/j.apsusc.2024.162276	ELSEVIER	0169-4332		WoS
2091	Article; Early Access	Kumar, A; Narayanan, RG; Muthu, N	Enhancing the performance of honeycomb core sandwich panels through friction stir spot welding strategies and fracture of lap shear specimen	2024	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES						10.1080/15376494.2024.2388883	TAYLOR & FRANCIS INC	1537-6494		WoS
2092	Article	Borah, K; Kumar, R; Purohit, S; Goud, VV	Comparative study on phytochemical extraction from passion fruit wastes using ultrasound and supercritical fluid extraction	2025	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	19	4	2831	2843		10.1007/s11694-025-03150-8	SPRINGER	2193-4126		WoS
2093	Article	Verma, A; Kulkarni, V; Shinde, S	Experimental Investigations of Self-adjusting Bionic Flaps on Low-aspect Ratio Wings	2025	JOURNAL OF APPLIED FLUID MECHANICS	18	4	992	1006		10.47176/jafm.18.4.2922	ISFAHAN UNIV TECHNOLOGY	1735-3572		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2094	Article	Kumar, C; Kashyap, S	Intelligent Reflecting Surface Aided Simultaneous Wireless Information and Energy Transfer to IoT Users Under Spatial Correlation	2024	IEEE TRANSACTIONS ON GREEN COMMUNICATIONS AND NETWORKING	8	4	1955	1969		10.1109/TGCN.2024.3401486	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2473-2400		WoS
2095	Article	Gupta, VK; Lalwani, SK; Bhati, GS; Prakash, S; Sunny	Bayesian Optimization Based Neural Architecture Search for Classification of Gases/Odors Mixtures	2024	IEEE SENSORS JOURNAL	24	5	7119	7125		10.1109/JSEN.2024.3349862	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1530-437X		WoS
2096	Article	Shokeen, K; Baroi, MK; Chahar, M; Das, D; Saini, H; Kumar, S	Arginyltransferase 1 (ATE1)- mediated proteasomal degradation of viral haemagglutinin protein: a unique host defence mechanism	2024	JOURNAL OF GENERAL VIROLOGY	105	8				10.1099/jgv.0.002020	MICROBIOLOGY SOC	0022-1317		WoS
2097	Article	Priyadarsini, A; Singh, R; Barbora, L; Maitra, SS; Moholkar, VS	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	2589-014X		WoS
2098	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 FRANCE- EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER	1290-0729		WoS
2099	Article; Early Access	Masalvad, SK; Patil, C; Vardhan, AR; Yadav, A; Lavanya, B; Sakare, PK	Predicting land use changes and ecosystem service impacts with CA-Markov and machine learning techniques	2025	ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY						10.1007/s10668-025-06017-6	SPRINGER	1387-585X		WoS
2100	Article; Early Access	Fanle, TF; Kenda, GT; Tchuifon, DRT; Fotsop, CG; Fogang, SG; Tchummegne, IK; Kede, MC	Design and characterisation of activated magnetic zeolite 4A from naturally occurring kaolin clay of Cameroonian origin for optimised dye removal by Fenton-like degradation	2024	INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY						10.1080/03067319.2024.2389417	TAYLOR & FRANCIS LTD	0306-7319		WoS
2101	Article	Bhavan, JS; Pazhani, A; Robi, PS; Ambi, A; Tg, U; Kc, V	EBSD characterization of graphene nano sheet reinforced Sn - Ag solder alloy composites	2024	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	30		2768	2780		10.1016/j.jmrt.2024.04.043	ELSEVIER	2238-7854	gold	WoS
2102	Article	Haque, MR; Maity, D; Mondal, R	Gravitational neutrino reheating	2024	PHYSICAL REVIEW D	109	6				10.1103/PhysRevD.109.063543	AMER PHYSICAL SOC	2470-0010	hybrid, Green Accepted	WoS
2103	Article	Padmakumar, V; Ignatius, TM; Singha, TB; Palathinkal, RP; Ahamed, SR	Boosting AES Intrinsic Resilience Using Split SubBytes Round Function Against Power Attacks	2025	IEEE EMBEDDED SYSTEMS LETTERS	17	1	10	13		10.1109/LES.2024.3420226	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1943-0663		WoS
2104	Article	Patnaik, A; Chaudhary, N; Bhuyan, MK; Alfarhood, S; Safran, M	Remote Sensing Single-Image Super-Resolution Using Convolutional Block Attention Residual Network With Joint Adversarial Mechanisms	2024	IEEE ACCESS	12		53424	53435		10.1109/ACCESS.2024.3387981	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2105	Article	Mohan, S; Kumar, N	Etched FBG-Based Optical Fiber Sensor for Hg2+ Ion Detection in Aqueous Solution	2024	IEEE PHOTONICS TECHNOLOGY LETTERS	36	21	1289	1292		10.1109/LPT.2024.3463879	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1041-1135		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2106	Article	Gupta, D; Shekhawat, HS	Artificial Bandwidth Extension using Frequency Shifting, H ∞ Optimization, and Deep Neural Network	2025	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	44	5	3088	3111		10.1007/s00034-024-02911-y	SPRINGER BIRKHAUSER	0278-081X		WoS
2107	Article; Book Chapter	Saikia, P	Politics of Ethnonationalism and Multi-Level Governance in India	2024	INDIAN POLITICS AND POLITICAL PROCESSES: Ideas, Institutions and Practices			436	462		10.4324/9781003434443-25	ROUTLEDGE			WoS
2108	Article	Mishra, RK; Chinnam, S; Mohanty, K	Kinetic behaviour and fast pyrolysis of Tamarindus indica seeds using Py-GC-MS	2025	BIORESOURCE TECHNOLOGY REPORTS	29					10.1016/j.biteb.2024.102014	ELSEVIER	2589-014X	hybrid	WoS
2109	Article	Paral, SK; Jeng, JY; Cheng, YL; Lin, DZ	Novel vat design for liquid crystal display vat photopolymerization: reduction of separation force and pixelated effect	2025	VIRTUAL AND PHYSICAL PROTOTYPING	20	1				10.1080/17452759.2025.2470920	TAYLOR & FRANCIS LTD	1745-2759	gold	WoS
2110	Article	Purkayastha, R; Choudhury, BJ; Mahanta, P; Suami, A; Itaya, Y; Moholkar, VS; Kobayashi, N	Kinetics study of pyrolysis of petroleum sludge and characterization of char	2025	CHEMICAL ENGINEERING COMMUNICATIONS	212	3	391	408		10.1080/00986445.2024.2412615	TAYLOR & FRANCIS INC	0098-6445		WoS
2111	Article	Das, S; Rajput, A; Mukherjee, B	Design of Band Stop Filter Using Epsilon-Negative Frequency Selective Surface	2025	IETE JOURNAL OF RESEARCH	71	2	575	582		10.1080/03772063.2024.2415506	TAYLOR & FRANCIS LTD	0377-2063		WoS
2112	Article	Mehta, SK; Padhi, P; Wongwises, S; Mondal, PK	Salinity-gradient induced energy generation inside a pH-sensitive charged nanochannel: impact of ion partitioning effect	2025	MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS	31	7	1701	1710		10.1007/s00542-024-05763-3	SPRINGER HEIDELBERG	0946-7076		WoS
2113	Article	Rout, L; Behera, P; Punniyamurthy, T	Recent advances in transition-metal-catalyzed (Csp ²)-X (X = Se, Te, As, Sb) bond formation	2024	MOLECULAR CATALYSIS	557					10.1016/j.mcat.2024.113993	ELSEVIER	2468-8231		WoS
2114	Article	Borah, D; Das, SJ; Samanta, R	Imprint of inflationary gravitational waves and WIMP dark matter in pulsar timing array data	2024	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS		3				10.1088/1475-7516/2024/03/031	IOP Publishing Ltd	1475-7516	Green Accepted	WoS
2115	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		1				10.1088/1475-7516/2024/01/058	IOP Publishing Ltd	1475-7516	Green Submitted	WoS
2116	Article	Kakati, N; Paul, N; Dubey, S; Mahanta, J; Lakshmi, AR; Banerjee, T; Bandyopadhyay, D	Microrheology of Ionic Liquid Doped Mucus for an Efficient Delivery of Protein-Based Oral Drugs	2025	SMALL	21	14				10.1002/smll.202500403	WILEY-V C H VERLAG GMBH	1613-6810		WoS
2117	Article	Sarmah, A; Boruah, L; Ito, S; Kanagaraj, S	Integrative approach to pedobarography and pelvis-trunk motion for knee osteoarthritis detection and exploration of non-radiographic rehabilitation monitoring	2024	FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY	12					10.3389/fbioe.2024.1401153	FRONTIERS MEDIA SA	2296-4185	Green Published, gold	WoS
2118	Article	Kalita, BC; Kalita, R; Das, S	DUST ION ACOUSTIC SOLITARY WAVES IN PLASMA WITH CAIRNSDISTRIBUTED ELECTRONS AND NEW CLASSICAL DISTRIBUTION OF IONS	2024	ASTROPHYSICS	67	1	80	92		10.1007/s10511-024-09819-0	SPRINGER/PLENUM PUBLISHERS	0571-7256		WoS
2119	Article	Bhambu, A; Bera, K; Natarajan, S; Suganthan, PN	High frequency volatility forecasting and risk assessment using neural networks-based heteroscedasticity model	2025	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	149					10.1016/j.engappai.2025.110397	PERGAMON-ELSEVIER SCIENCE LTD	0952-1976	hybrid	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2120	Article	Kotal, A; Jana, K; Roy, S; Satpathy, JK; Kar, RK	Induced surface process of graphene variants' dispersion with biocompatible riboflavin	2024	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	702					10.1016/j.colsurfa.2024.135029	ELSEVIER	0927-7757		WoS
2121	Article	Garia, S; Pal, AK; Katre, S; Nayak, S; Ravi, K; Nair, AM	Seismic coloured inversion to explore the hydrocarbon prospectivity of a field in the Upper Assam basin	2024	EXPLORATION GEOPHYSICS	55	6	752	774		10.1080/08123985.2024.2368121	TAYLOR & FRANCIS LTD	0812-3985		WoS
2122	Editorial Material	Yadav, H; Tadikonda, BV	Discussion of On the DLVO Theory: Experimentally Measured Debye-Hückel Length	2025	JOURNAL OF ENGINEERING MECHANICS	151	4				10.1061/JENMDT.EMENG-8199	ASCE-AMER SOC CIVIL ENGINEERS	0733-9399		WoS
2123	Article; Early Access	Dar, AH; Zayed, M; Bhat, MY	Octonion Wigner distribution of 3D signals in the quadratic-phase fourier transform domain and associated uncertainty principles	2025	INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS						10.1142/S0219887825500811	WORLD SCIENTIFIC PUBL CO PTE LTD	0219-8878		WoS
2124	Article	Raina, K; Modak, K; Premkumar, C; Joshi, G; Palani, D; Nandy, K; Sivamani, Y; Velayudhan, SR; Thummer, RP	UTF1 Expression is Important for the Generation and Maintenance of Human iPSCs	2025	STEM CELL REVIEWS AND REPORTS	21	3	859	871		10.1007/s12015-024-10836-x	SPRINGER	2629-3269		WoS
2125	Article	Nguyen, W; Balchandani, S; Mandal, B; Henni, A	Modeling gas -liquid equilibrium of carbon dioxide in mixtures of (1-butyl-3-methyl-imidazolium acetate+1-(2-aminoethyl) piperazine plus water) and (1-butyl-3-methyl-imidazolium acetate + bis (3-aminopropyl) amine plus water) by electrolyte non-random two liquid (e-NRTL) model	2024	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	154					10.1016/j.icheatmasstransfer.2024.107393	PERGAMON-ELSEVIER SCIENCE LTD	0735-1933		WoS
2126	Article	Chouhan, BS; Nawaz, A; Das, A; Rohith, KM; Ahmad, A; Kumar, G	Machine Learning-Driven Ultra-Broadband Terahertz Multilayer Metamaterial	2025	JOURNAL OF LIGHTWAVE TECHNOLOGY	43	6	2734	2744		10.1109/JLT.2024.3509492	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0733-8724		WoS
2127	Article	Hwang, J; Lee, SJ; Sung, JE	Eye-movement reveals word order effects on comparative sentences in older adults using a verb-final language	2024	FRONTIERS IN PSYCHOLOGY	15					10.3389/fpsyg.2024.1335536	FRONTIERS MEDIA SA	1664-1078	Green Published, gold	WoS
2128	Article	Qais, I; Bhawal, C; Pal, D	Singular LQR optimal control of DAEs: A feedback solution☆	2025	AUTOMATICA	173					10.1016/j.automatica.2024.112060	PERGAMON-ELSEVIER SCIENCE LTD	0005-1098		WoS
2129	Article	Chopra, R; Murthy, CR; Appaiah, K	Adaptive Data-Aided Time-Varying Channel Tracking for Massive MIMO Systems	2024	IEEE TRANSACTIONS ON COMMUNICATIONS	72	9	5458	5472		10.1109/TCOMM.2024.3386719	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0090-6778		WoS
2130	Article	Narayan, P; Kar, S; Jha, KN	Disputes in Renewable Energy Development: International and Domestic Interventions	2024	JOURNAL OF LEGAL AFFAIRS AND DISPUTE RESOLUTION IN ENGINEERING AND CONSTRUCTION	16	2				10.1061/JLADAH.LADR-1128	ASCE-AMER SOC CIVIL ENGINEERS	1943-4162		WoS
2131	Article; Early Access	Sharma, DK; Singh, PK; Sharma, F; Dixit, US	Machining performance of Inconel 718 in dry, air-cooling and bio-oil based minimum quantity lubrication environments	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING						10.1177/09544089241301596	SAGE PUBLICATIONS LTD	0954-4089		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2132	Article	Agrawal, A; Kundu, S; Ahmad, T; Bhatt, M	ReLAP-Net: Residual Learning and Attention Based Parallel Network for Hyperspectral and Multispectral Image Fusion br	2024	PHOTOGRAMMETRIC ENGINEERING AND REMOTE SENSING	90	7				10.14358/PERS.24-00003R2	AMER SOC PHOTOGRAMMETRY	0099-1112		WoS
2133	Article	Bhattacharya, S; Jahedi, S; Wudka, J	Optimal determination of new physics couplings: a comparative study	2023	JOURNAL OF HIGH ENERGY PHYSICS		12				10.1007/JHEP12(2023)026	SPRINGER	1029-8479	gold	WoS
2134	Article; Early Access	Kumar, A; Kumar, S; Das, M	Surface characteristics of maraging steel during electropolishing as a function of polishing time	2024	ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES						10.1080/2374068X.2024.2403047	TAYLOR & FRANCIS LTD	2374-068X		WoS
2135	Article	Wadhwa, R; Hegde, M; Zhang, HY; Kaul, A; Wang, J; Ishida, Y; Terao, K; Kunnumakkara, AB; Kaul, SC	Antistress and Antiaging Potentials of Alpha-Lipoic Acid: Insights from Cell Culture-Based Experiments	2024	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY	196	12	8791	8808		10.1007/s12010-024-04994-4	SPRINGER	0273-2289		WoS
2136	Article	Bezboruah, D; Chattopadhyay, DS; Medhi, A; Sarker, A; Devi, MM	Neutrino oscillations in presence of diagonal elements of scalar NSI: an analytic approach	2024	JOURNAL OF HIGH ENERGY PHYSICS		12				10.1007/JHEP12(2024)222	SPRINGER		Green Submitted , gold	WoS
2137	Article; Early Access	Das, R; Choudhury, S; Sethi, D; Medhi, T; Roy, BS	Enhanced corrosion resistance and mechanical behavior in AA2024-T3 alloy composite via friction stir processing with Zn incorporation	2024	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E- JOURNAL OF PROCESS MECHANICAL ENGINEERING						10.1177/09544089241276351	SAGE PUBLICATIONS LTD	0954-4089		WoS
2138	Article; Early Access	Pal, S; Kashyap, P; Panda, B; Gao, L; Garg, A	A comprehensive review of thermal runaway for batteries: experimental; modelling, challenges and proposed framework	2025	INTERNATIONAL JOURNAL OF GREEN ENERGY						10.1080/15435075.2025.2462606	TAYLOR & FRANCIS INC	1543-5075		WoS
2139	Article	Mehta, SK; Padhi, P; Wongwises, S; Mondal, PK	Second law analysis: electrically actuated flow of non-Newtonian fluids in wavy microchannels	2025	MICROSYSTEM TECHNOLOGIES- MICRO-AND NANOSYSTEMS- INFORMATION STORAGE AND PROCESSING SYSTEMS	31	7	1623	1633		10.1007/s00542-024-05744-6	SPRINGER HEIDELBERG	0946-7076		WoS
2140	Article	Shrivastava, M; Aishwarya, A; Fontes, CMGA; Goyal, A	A novel bifunctional type I α-L-arabinofuranosidase of family 43 glycoside hydrolase (BoGH43_35) from Bacteroides ovatus with endo-β-1,4-xylanase activity	2025	CARBOHYDRATE RESEARCH	552					10.1016/j.carres.2025.109432	ELSEVIER SCI LTD	0008-6215		WoS
2141	Article	Dubey, AK; Prasanna, SRM; Dandapat, S	Spectral Analysis Based Objective Assessment of Hypernasality in Cleft Palate Speech: A Review	2025	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	44	6	4133	4166		10.1007/s00034-025-03007-x	SPRINGER BIRKHAUSER	0278-081X		WoS
2142	Article; Early Access	Pulluru, SK; Birru, AK; Sharma, F; Dixit, US	Laser Surface Alloying of 7075 Aluminum Alloy with Cr, SiC, and Carbon Nanotube Powders	2024	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE						10.1007/s11665-024-10204-3	SPRINGER	1059-9495		WoS
2143	Article; Early Access	Barman, S; Jana, S; Majee, S; Khatua, A; Kar, TK	Complex dynamics of a fractional-order monkeypox transmission system with saturated recovery function	2024	EUROPEAN PHYSICAL JOURNAL- SPECIAL TOPICS						10.1140/epjs/s11734-024-01283-3	SPRINGER HEIDELBERG	1951-6355		WoS
2144	Article	Rajput, S; Tyagi, V; Sonika; Nayak, R; Verma, SK	Waste-Derived Activated Carbon for Supercapacitors: Current Trends and Future Prospects	2025	ENERGY TECHNOLOGY	13	5				10.1002/ente.202401977	WILEY-V C H VERLAG GMBH	2194-4288		WoS
2145	Article	Christian, Y; Redkar, AS; Kumar, N; Jancy, SV; Chandrasekharan, A; Santhoshkumar, TR; Ramakrishnan, V	Structural regression modelling of peptide based drug delivery vectors for targeted anti-cancer therapy	2025	DRUG DELIVERY AND TRANSLATIONAL RESEARCH	15	4	1284	1298		10.1007/s13346-024-01674-y	SPRINGER HEIDELBERG	2190-393X	Green Submitted	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2146	Article; Early Access	Yadav, HNS; Das, M	Plasma generation and mitigation of sub-surface defects in fused silica optics via advanced plasma treatment	2025	JOURNAL OF OPTICS-INDIA						10.1007/s12596-025-02484-2	SPRINGER INDIA	0972-8821		WoS
2147	Article	MacArthur, C; Kukshinov, E; Harley, D; Pawar, T; Modi, N; Nacke, LE	Experiential disparities in social VR: uncovering power dynamics and inequality	2024	FRONTIERS IN VIRTUAL REALITY	5					10.3389/frvir.2024.1351794	FRONTIERS MEDIA SA		gold	WoS
2148	Article	Naqvi, AA; Gupta, VK; 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		10.1002/eer2.54	WILEY	2770-5714		WoS
2149	Article	Shit, GC; Sengupta, A; Mondal, PK	Stability analysis of electro-osmotic flow in a rotating microchannel	2024	JOURNAL OF FLUID MECHANICS	983					10.1017/jfm.2024.151	CAMBRIDGE UNIV PRESS	0022-1120		WoS
2150	Article	Suryavanshi, P; Lekurwale, S; Kumar, P; Dwivedy, SK; Banerjee, S	Establishment of reversible four-dimensional (4D) printing capability of shape-memory responsive cellulosic composites (RCC) using experimental, theoretical, and computational modeling	2025	RAPID PROTOTYPING JOURNAL	31	5	1053	1064		10.1108/RPJ-07-2024-0295	EMERALD GROUP PUBLISHING LTD	1355-2546		WoS
2151	Editorial Material	Tiwari, R; Darpe, AK; Tiwari, M	The Editorial	2024	JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES	12	8	8945	8946		10.1007/s42417-024-01579-7	SPRINGER HEIDELBERG	2523-3920	hybrid	WoS
2152	Article	Lee, SJ; Shen, H	Tone sandhi in Nuosu Yi at the interface	2024	LINGUISTICS OF THE TIBETO-BURMAN AREA	47	1	118	139		10.1075/ltba.00019.lee	JOHN BENJAMINS PUBLISHING CO	0731-3500		WoS
2153	Article	Radhika, E; Gone, S; Talari, S; Emmanuel, KA; Dobbidi, P	Impact of nitrogen concentration on the growth of h-AIN thin films using RF-magnetron sputtering for microwave applications	2025	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	317					10.1016/j.mseb.2025.118226	ELSEVIER	0921-5107		WoS
2154	Article	Chakraborty, K; Ebihara, A	Geoclimatic modeling and assessment of pesticide dynamics in Indian soil	2025	SCIENTIFIC REPORTS	15	1				10.1038/s41598-025-90849-9	NATURE PORTFOLIO	2045-2322	gold	WoS
2155	Article	Patnaik, A; Bhuyan, MK; Macdorman, KF	A Two-Branch Multiscale Residual Attention Network for Single Image Super-Resolution in Remote Sensing Imagery	2024	IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING	17		6003	6013		10.1109/JSTARS.2024.3371710	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1939-1404	gold	WoS
2156	Article; Early Access	Hota, A; Biswas, A; Saha, S; Nag, A; Barbhuiya, FA; Nandi, S	Advanced federated learning security: NTRU and blockchain synergy	2025	PROCEEDINGS OF THE INDIAN NATIONAL SCIENCE ACADEMY						10.1007/s43538-025-00394-2	INDIAN NAT SCI ACAD	0370-0046		WoS
2157	Article; Early Access	Angami, T; Kevichüsa-Ezung, M; Singh, SR; Tuithung, T	Evaluation of the morphological rules for the Tenyidie language: a low-resource language	2024	LANGUAGE RESOURCES AND EVALUATION						10.1007/s10579-024-09788-y	SPRINGER	1574-020X		WoS
2158	Article; Early Access	Kesarwani, R; Khare, A	Annealing Effects on Fractal Analysis and Optical Nonlinearity in Pulsed Laser-Deposited Plasmonic Cu Thin Films	2025	PLASMONICS						10.1007/s11468-025-02835-6	SPRINGER	1557-1955		WoS
2159	Article	Pratap, S; Hatta, Y; Ito, K; Hazarika, SM	Understanding Grasp Synergies During Reach-to-Grasp Using an Instrumented Data Glove	2025	IEEE SENSORS JOURNAL	25	4	6133	6150		10.1109/JSEN.2024.3523512	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1530-437X	Green Submitted	WoS
2160	Article	Sarangi, S; Srivastava, R; Gogoi-Tiwari, J; Kar, RK	Electrochemical Sensing of Phenylalanine using Polyaniline-Based Molecularly Imprinted Polymers	2024	JOURNAL OF PHYSICAL CHEMISTRY B	128	41	10258	10271		10.1021/acs.jpcc.4c04029	AMER CHEMICAL SOC	1520-6106		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2161	Article	Thomas, T; Mishra, MK; Kumar, C; Liserre, M	Observer-Based Control Using Super-Twisting Technique for a PV-Wind-HESS-Based DC Microgrid Feeding Constant Power Loads	2025	IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS	13	1	1018	1028		10.1109/JESTPE.2024.3469635	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2168-6777		WoS
2162	Article	Sahu, S; Balmuchu, SP; Dobbidi, P; Sahu, DP	Phase transition and magnetodielectric response in Ni0.5Co0.5Fe2O4 - BaTiO3 composites at cryogenic temperature	2024	JOURNAL OF ALLOYS AND COMPOUNDS	1008					10.1016/j.jallcom.2024.176745	ELSEVIER SCIENCE SA	0925-8388		WoS
2163	Review	Vikhrankar, SS; Satbhai, S; Kulkarni, P; Ranbhor, R; Ramakrishnan, V; Kodgire, P	Enzymatic Routes for Chiral Amine Synthesis : Protein Engineering and Process Optimization	2024	BIOLOGICS-TARGETS & THERAPY	18		165	179		10.2147/BTT.S446712	DOVE MEDICAL PRESS LTD	1177-5475	gold, Green Published	WoS
2164	Article	Tripathi, S; Sahu, HS; Kumar, S; Nayak, SK; Mishra, MK	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		10.1109/JESTPE.2023.3307734	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2168-6777		WoS
2165	Article; Early Access	Mucchielli, P; Hazra, B; Pakrashi, V	Passive control and damage assessment with a pendulum tuned mass damper using mean square equations and second-order eigen-perturbation techniques	2024	JOURNAL OF VIBRATION AND CONTROL						10.1177/10775463241288294	SAGE PUBLICATIONS LTD	1077-5463	hybrid	WoS
2166	Correction	Singh, YR; Thakur, A; Fontes, CMGA; Goyal, A	A novel thermophilic recombinant obligate xylobiohydrolase (AcGH30A) from Acetivibrio clariflavus orchestrates the deconstruction of xylan polysaccharides (vol 340, 122295, 2024)	2024	CARBOHYDRATE POLYMERS	342					10.1016/j.carbpol.2024.122398	ELSEVIER SCI LTD	0144-8617		WoS
2167	Editorial Material	Barua, A; Adhikary, P; Vij, S	Depoliticizing disasters: the need to break down water bureaucracy with the changing climate in South Asia	2025	INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT	41	3	688	696		10.1080/07900627.2024.2432576	ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD	0790-0627		WoS
2168	Article	Barman, D; Bhattacharjee, K; Jha, DK	Assessment of Soil Bacterial Community Compositions by Structural-Functional Genomics and Soil Edaphic Factors Largely Explain the Impact of Coal Mining	2024	WATER AIR AND SOIL POLLUTION	235	5				10.1007/s11270-024-07083-8	SPRINGER INT PUBL AG	0049-6979		WoS
2169	Article	Kumar, N; Choudhury, P; Buddha, SS	Deep Learning-Driven Wavefront Sensing for Grating-Array-Based Wavefront Sensor	2025	IEEE SENSORS JOURNAL	25	3	4769	4776		10.1109/JSEN.2024.3514190	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1530-437X		WoS
2170	Article	Kumar, PV; Birru, AK; Muthu, N; Kaur, A	Enhancing sports mouthguards with PLA plus and PC: stress reduction, energy absorption, and topology optimization	2024	CLINICAL ORAL INVESTIGATIONS	28	11				10.1007/s00784-024-05997-5	SPRINGER HEIDELBERG	1432-6981		WoS
2171	Article	Kemprai, PP; Murthy, KVR; Muthukumar, P; Ranganayakulu, C	Estimation of condensation heat transfer coefficient and pressure drop of R1234yf inside a brazed plate serrated fin heat exchanger☆	2025	THERMAL SCIENCE AND ENGINEERING PROGRESS	59					10.1016/j.tsep.2025.103311	ELSEVIER	2451-9049		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2172	Article	Gera, S; Roy, PD	Black holes in degenerate Einstein Gauss-Bonnet gravity: can QNMs distinguish them from GR?	2024	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS		5				10.1088/1475-7516/2024/05/102	IOP Publishing Ltd	1475-7516	Green Submitted	WoS
2173	Review	Priyanka; Kashyap, S; Umesh; Verma, K; Singh, M; Yadav, N	Exploring myostatin's role and potential applications in fisheries and aquaculture: a review	2025	AQUACULTURE INTERNATIONAL	33	1				10.1007/s10499-024-01700-3	SPRINGER	0967-6120		WoS
2174	Article	Kumari, M; Prasad, RK; Singh, MK; Iyer, PK; Singh, DK	Piezoresistive/Piezoelectric Pressure Sensor Based on CVD-Grown ZnO Nanowires on Polyethylene Terephthalate Substrate	2024	ACS APPLIED ELECTRONIC MATERIALS	6	8	6165	6173		10.1021/acsaelm.4c00991	AMER CHEMICAL SOC			WoS
2175	Article	Deb, SK; Dutta, P; Karim, GM; Patra, A; Bera, P; Das, S; Mukherjee, P; Rengasamy, K; Borbora, A; Manna, U; Subramanian, V; Maiti, UN	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 SCIENCE SA	1385-8947		WoS
2176	Article; Early Access	Saha, A; Sekharan, S; Manna, U	Prediction of Hysteresis in the Water Retention Curve for the Fly Ash-Based Hydrogel-Amended Soils	2025	IRRIGATION AND DRAINAGE						10.1002/ird.3098	WILEY	1531-0353		WoS
2177	Article	Saha, SS; Nayak, S; Bhattacharya, S; Paul, S; Banerjee, S; Bhattacharya, S	Exploring the chemical physics in tetraphenylporphyrin- N-methylfulleropyrrolidine supramolecular complex by spectroscopic investigations and quantum chemical calculations	2024	CHEMICAL PHYSICS	582					10.1016/j.chemphys.2024.112280	ELSEVIER	0301-0104		WoS
2178	Article	Borbora, A; Manna, U	Strategies to modulate underwater oil wettability and adhesion	2025	ADVANCES IN COLLOID AND INTERFACE SCIENCE	340					10.1016/j.cis.2025.103442	ELSEVIER	0001-8686		WoS
2179	Article; Early Access	Rajput, AS; Das, M; Kapil, S	Machine-learning-based optimization of hybrid electrochemical magnetorheological finishing process to achieve nano finishing on additively manufactured biomaterial	2025	ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES						10.1080/2374068X.2025.2474327	TAYLOR & FRANCIS LTD	2374-068X		WoS
2180	Article	Patel, UK; Alom, N; Saha, UK	Lift-based offshore vertical-axis wind turbines for power generation: Current status of technology and future direction of numerical research	2025	WIND ENGINEERING	49	3	782	809		10.1177/0309524X241288094	SAGE PUBLICATIONS LTD	0309-524X		WoS
2181	Article	Cengizci, S; Ugur, O; 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	1877-7503		WoS
2182	Article	Hazoary, A; Panwar, M; Rajput, AS; Kapil, S	Solar-Driven additive Manufacturing: Design and development of a novel sustainable fabrication process	2025	SOLAR ENERGY	291					10.1016/j.solener.2025.113387	PERGAMON-ELSEVIER SCIENCE LTD	0038-092X		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2183	Article	Saha, S; Kumar, S; Mahakur, VK; Sharma, S; Saha, A	Development and machine learning based prediction of carbon/hemp/ramie sandwich composite as sustainable and ecofriendly solution for automobile application	2024	MATERIALS TODAY COMMUNICATIONS	41					10.1016/j.mtcomm.2024.110817	ELSEVIER			WoS
2184	Article	Singh, H; Skoulatos, M; Joshi, DC; Pramanik, P; Roy-Chowdhury, M; Ghosh, S; Jena, SK; Dey, JK; Thota, S	Magnetic exchange interactions and non-Debye relaxation in spin-3/2 frustrated Kagome magnet Co3V2O8	2024	JOURNAL OF PHYSICS-CONDENSED MATTER	36	31				10.1088/1361-648X/ad4223	IOP Publishing Ltd	0953-8984		WoS
2185	Review	Behera, PP; Kumar, N; Kumari, M; Kumar, S; Mondal, PK; Arun, RK	Integrated microfluidic devices for point-of-care detection of bio-analytes and disease	2023	SENSORS & DIAGNOSTICS	2	6	1437	1459		10.1039/d3sd00170a	ROYAL SOC CHEMISTRY		gold	WoS
2186	Article; Early Access	Imchen, S; Singh, NS; Singh, AP; Borah, L; Puzari, A	From synthesis to SERS (Surface Enhanced Raman Scattering): exploring the potential of crystalline ZnBTC MOFs for trace detection of toxic organic dyes	2025	EMERGENT MATERIALS						10.1007/s42247-025-01058-z	SPRINGER NATURE	2522-5731		WoS
2187	Article	Sharma, DK; Singh, PK; Sharma, F; Dixit, US	Development and characterization of Putranjiva roxburghii with addition of SiO2 and graphene nanoparticles for using it as a cutting fluid	2025	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C- JOURNAL OF MECHANICAL ENGINEERING SCIENCE	239	11	4162	4181		10.1177/09544062251316776	SAGE PUBLICATIONS LTD	0954-4062		WoS
2188	Article	Mallick, NS	Generation of 420 nm optical blue vortex for enhanced microparticle handling	2025	OPTICS COMMUNICATIONS	582					10.1016/j.optcom.2025.131608	ELSEVIER	0030-4018		WoS
2189	Article	Khan, SA; Chowdhury, P; Shah, ANS; Medhi, H; Choudhury, P; Chowdhury, P; Ghosh, P	Persistence of West Nile Virus circulation in northeast region of India: A prospective facility-based study spanning over a decade	2025	JOURNAL OF VECTOR BORNE DISEASES	62	1	112	116		10.4103/JVBD.JVBD_168_23	WOLTERS KLUWER MEDKNOW PUBLICATIONS	0972-9062	gold	WoS
2190	Article	Vikas; Pasha, FA; Kumar, A	Pincer-Ruthenium Catalyzed Selective α -Alkylolation of Nitriles	2025	CHEMCATCHEM	17	6				10.1002/cctc.202401744	WILEY-V C H VERLAG GMBH	1867-3880		WoS
2191	Article	Mishra, RK; Avinashi, SK; Kumari, S; Fatima, Z; Nain, R; Mohan, S; Shweta; Sachan, A; Dwivedi, RK; Gautam, C	Influence of zirconia on crystallization, physical, structural, microstructural and electrical properties of fabricated (60-x)[SrTiO3]-40[2B2O3•SiO2]-x [ZrO2] (1≤x≤4) glass ceramics for electronic applications	2025	JOURNAL OF ALLOYS AND COMPOUNDS	1010					10.1016/j.jallcom.2024.177029	ELSEVIER SCIENCE SA	0925-8388		WoS
2192	Article	Ngouénam, RJ; Nofal, G; Patra, S; Njapndounke, B; Kouam, EMF; Kaktcham, PM; Ngoufack, FZ	Characterization of Lactic Acid Bacteria Isolated From Rotting Oranges and Use of Agropastoral Processing By-products as Carbon and Nitrogen Sources Alternative for Lactic Acid Production	2024	BIOMED RESEARCH INTERNATIONAL	2024					10.1155/2024/4264229	WILEY	2314-6133	hybrid	WoS
2193	Article; Early Access	Chetia, S; Sho, D; Bora, PK; Dutta, A; Yashmin, F; Guha, AK; Das, B; Konwar, M; Sarma, D	LiClO 4 /EG as an Environmentally Benign Lewis Acidic Catalytic System for the Expeditious Synthesis of 2,3-Dihydroquinazolin-4 (1 H)-ones and NH-1,2,3-Triazoles	2025	SYNLETT						10.1055/a-2532-7424	GEORG THIEME VERLAG KG	0936-5214		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2194	Article; Early Access	Veerasamy, S; Srinivassan, N	Solution of singularly perturbed system of 2D parabolic convection diffusion differential-difference equations using alternating direction method	2024	INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS						10.1007/s13226-024-00704-2	INDIAN NAT SCI ACAD	0019-5588		WoS
2195	Article	Gaikhe, V; Ranjan, A; Joshi, SN	Experimental Investigations into the Effect of Infill Patterns on the Microstructure and Mechanical Properties of Inconel 718 Using Laser-Directed Energy Deposition	2025	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	34	10	8571	8582		10.1007/s11665-024-10311-1	SPRINGER	1059-9495		WoS
2196	Article	Balmuchu, SP; Malapati, V; Chilaka, RR; Dobbidi, P	Effective strategy for achieving superior energy storage performance in lead-free BaTiO3-Bi(Zn2/3(Nb0.85Ta0.15)1/3)O3 ferroelectric ceramics	2024	CERAMICS INTERNATIONAL	50	8	13782	13793		10.1016/j.ceramint.2024.01.293	ELSEVIER SCI LTD	0272-8842		WoS
2197	Article	Das, K; Xu, HZ; Gu, JC; Sakurai, S; Tiwari, V; Banerjee, SK; Katiyar, V	Coaxially Electrocentrifugally Spun Ciprofloxacin/Paclitaxel-Loaded Pullulan/PLGA Core/Sheath Nanofibers and Their In Vitro Cytotoxic Efficacy Toward Melanoma Cells	2025	JOURNAL OF APPLIED POLYMER SCIENCE	142	16				10.1002/app.56759	WILEY	0021-8995		WoS
2198	Article	Majumder, S; Das, S; Agrawal, VK; 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		10.1093/mnras/stad2889	OXFORD UNIV PRESS	0035-8711		WoS
2199	Article	Manojkumar, R; Kumar, C; Ganguly, S; Catalao, JPS	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		10.1109/TPWRS.2023.3317309	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0885-8950		WoS
2200	Article	Singha, S; Manna, M; Pramanik, S; Bhandari, S	Surfactant-Assisted Forster Resonance Energy Transfer from a Quantum Dot Complex for Highly Stable White Light Emission	2024	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	15	19	5315	5322		10.1021/acs.jpcllett.4c00552	AMER CHEMICAL SOC	1948-7185		WoS
2201	Article	Bhoralı, P; Kalita, DJ; 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		10.1039/d4qo00344f	ROYAL SOC CHEMISTRY	2052-4129		WoS
2202	Article	Bhuyan, AJ; Nath, PP; Bharali, SJ; Saikia, L	A novel μ3-CO3 bridged linear polymeric Cu-complex ([Cu3(DMAP)8(μ3-CO3)2]I2)n•xH2O: synthesis, characterization and catalytic applications in the synthesis of phenoxypyrimidines and arylthiopyrimidines via C-O and C-S cross-coupling reactions	2024	RSC ADVANCES	14	26	18478	18488		10.1039/d4ra00001c	ROYAL SOC CHEMISTRY		Green Published, gold	WoS
2203	Article	Gavande, PV; Ji, S; Cardoso, V; Fontes, CMGA; 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	2590-2628	gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2204	Article	Subba, R; Ghosh, A; Mittal, RK; Gazi, S	Development of a new software for pore measurements in foraminifera and the constraints of pore proxy under high oxygen conditions	2025	SCIENTIFIC REPORTS	15	1				10.1038/s41598-025-91821-3	NATURE PORTFOLIO	2045-2322	gold	WoS
2205	Article	Deepchand, V; Haritha, A; Rajesh, VJ; Thesniya, PM; Sajinkumar, KS; Kumar, RBB	Chromites of Nuggihalli Schist Belt, Western Dharwar Craton, Southern India: a comprehensive spectroscopic investigation	2025	SPECTROSCOPY LETTERS	58	6	547	571		10.1080/00387010.2025.2451720	TAYLOR & FRANCIS INC	0038-7010		WoS
2206	Editorial Material	Laghi, V; Shakor, P; Panda, B; Gasparini, G	Editorial: Additive manufacturing in construction	2024	FRONTIERS IN BUILT ENVIRONMENT	10					10.3389/fbuil.2024.141567	FRONTIERS MEDIA SA		gold	WoS
2207	Article	Thomas, T; Mishra, MK; 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		10.1109/TIA.2023.3349359	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0093-9994		WoS
2208	Article	Acharya, S; Carpenter, J; Madakyaru, M; Dey, P; Vatti, AK; Banerjee, T	Ciprofloxacin and Azithromycin Antibiotics Interactions with Bilayer Ionic Surfactants: A Molecular Dynamics Study	2024	ACS OMEGA	9	30	33174	33182		10.1021/acsomega.4c04673	AMER CHEMICAL SOC	2470-1343	gold	WoS
2209	Article	Dhabal, D; Kumar, R; Molinero, V	Liquid-liquid transition and ice crystallization in a machine- learned coarse- grained water model	2024	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	121	20				10.1073/pnas.2322853121	NATL ACAD SCIENCES	0027-8424	Green Published	WoS
2210	Article	Dey, R; Daniel, TT; Abraham, EE; Yadav, VKS; Paily, R	Room Temperature Printed Ethanol Sensor Based on P-Phenylenediamine Functionalized Graphene Oxide	2025	IEEE SENSORS LETTERS	9	3				10.1109/LENS.2025.3535770	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2475-1472		WoS
2211	Article; Early Access	Kumar, PV; Birru, AK; Muthu, N	Novel Approach for Processing and Fabricating PLA/MgTiO3 Composite Filaments in Biomedical 3D Printing with Enhanced Mechanical and Thermal Properties	2025	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE						10.1007/s11665-024-10606-3	SPRINGER	1059-9495		WoS
2212	Article	Kar, C; Aktar, MS; De, M; Maiti, M; Das, P	Fuzzy MI4DTPs for perishable items with preservation technology under various CO2 policies	2024	INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE-OPERATIONS & LOGISTICS	11	1				10.1080/23302674.2024.2399283	TAYLOR & FRANCIS LTD	2330-2674		WoS
2213	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	AMER PHYSICAL SOC	2469-9950	Green Submitted	WoS
2214	Article	Singh, PK; Kumar, S; Jain, PK; Dixit, US	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		10.1007/s11665-023-08636-4	SPRINGER	1059-9495		WoS
2215	Article; Early Access	Yousuf, S; Choudhary, S; Choudhary, RK; Buragohain, L; Barman, NN; Kumar, S; Malik, YS	Development of a Novel Duplex qPCR-HRM Assay for Rapid Detection of African Swine Fever Virus in Pigs	2025	INDIAN JOURNAL OF MICROBIOLOGY						10.1007/s12088-025-01454-3	SPRINGER	0046-8991		WoS
2216	Article	Kumar, B; Sahu, AK; Das, D; Bag, S	PROBING THE THERMAL STABILITY AND MICROSTRUCTURAL-MECHANICAL BEHAVIOUR OF LASER-WELDED 17-4 PH STAINLESS STEEL	2024	ARCHIVES OF METALLURGY AND MATERIALS	69	2	775	782		10.24425/amm.2024.149809	POLSKA AKAD NAUK, POLISH ACAD SCIENCES, INST METALL & MATER SCI PAS	1733-3490	gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2217	Article	Vaswani, LK; Chouhan, BS; Panwar, A; Bhattacharya, A; Moin, F; Kumar, G	Single and dual-band electromagnetically induced transparency in a strongly near field toroidal terahertz metamaterial	2024	OPTICS AND LASER TECHNOLOGY	176					10.1016/j.optlastec.2024.111006	ELSEVIER SCI LTD	0030-3992		WoS
2218	Article	Kumar, P; Dwivedy, SK; Banerjee, S	Reversible 4D printing behavior of a single-layer elastomer strip additively manufactured from smart material filaments (SMFs) varying pH and thickness	2025	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	317					10.1016/j.mseb.2025.118205	ELSEVIER	0921-5107		WoS
2219	Article	Rana, A; Mukherjee, S; Sundari, KA; Dhakshinamoorthy, A; Biswas, S	Cu(I)-Anchored Amine-Rich Covalent-Organic Polymer for Sustainable Utilization of CO2 in the Synthesis of Valuable Chemicals and C—C Bond Formation Reactions	2025	CHEMCATCHEM	17	6				10.1002/cctc.202401503	WILEY-V C H VERLAG GMBH	1867-3880		WoS
2220	Article	Panda, S; Shin, H; Hajra, S; Oh, Y; Oh, W; Lee, J; Rajaittha, PM; Panigrahi, BK; Shukla, J; Sahu, AK; Alagarsamy, P; Kim, HJ	Reply to comment on Ferroelectric composite-based piezoelectric energy harvester for self-powered detection of obstructive sleep by A Tkach and O. Okhay .	2024	JOURNAL OF MATERIOMICS	10	5	1160	1164		10.1016/j.jmat.2024.05.006	ELSEVIER	2352-8478	gold	WoS
2221	Article	Banerjee, P; Ojha, S; Kalimullah, NMM; Shelke, A; Habib, A	Ultrasonic wave field image augmentation in PZT sensors using generative machine learning and Coulomb coupling	2025	ACTA ACUSTICA	9					10.1051/aacus/2025002	EDP SCIENCES S A		gold	WoS
2222	Article	Khan, MSA; Ojha, S; Gupta, SK; Shelke, A; Ahmad, A; Melandso, F; Habib, A	AutoSAFT: Autofocusing for extended depth of imaging in scanning acoustic microscopy	2025	JOURNAL OF MICROSCOPY	298	3	283	292		10.1111/jmi.13399	WILEY	0022-2720		WoS
2223	Review; Early Access	Kumari, S; Choudhury, A; Karki, P; Simon, M; Chowdhry, J; Nandra, A; Sharma, P; Sengupta, A; Yadav, A; Raju, MP; Gupta, J; Garg, MC	Next-Generation Air Quality Management: Unveiling Advanced Techniques for Monitoring and Controlling Pollution	2025	AEROSOL SCIENCE AND ENGINEERING						10.1007/s41810-024-00281-1	SPRINGER NATURE	2510-375X		WoS
2224	Article	Komal, UK; Siddiqui, AH; Tewari, A	Investigation of the structural performance and failure mechanisms of 3D printed continuous carbon fiber-based composites	2025	POLYMER COMPOSITES	46	9	8597	8613		10.1002/pc.29512	WILEY	0272-8397		WoS
2225	Article	Ram, D; Banerjee, S; Sundaresan, A; Samal, D; Hossain, Z	Weak antilocalization in the topological semimetal candidate YbAuSb	2024	JOURNAL OF PHYSICS-CONDENSED MATTER	36	47				10.1088/1361-648X/ad6f8a	IOP Publishing Ltd	0953-8984		WoS
2226	Article	Anshu, AK; Taipodia, J; Kumar, SS; Dey, A	Identification of Ground Response Parameters of Itanagar City, Arunachal Pradesh, India, Using Varying Seismic Intensities and Equivalent Linear Analysis Approach	2025	INDIAN GEOTECHNICAL JOURNAL	55	2	1054	1076		10.1007/s40098-024-00967-w	SPRINGER INDIA	0971-9555		WoS
2227	Article	Pal, P; Wang, CT	Radio wave-driven enhancement of microbial fuel cells: Converting waste waves to power	2025	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	196					10.1016/j.psep.2025.106885	ELSEVIER	0957-5820		WoS
2228	Editorial Material	da Silva, SJR; Kumar, S; Pena, L	SARS-CoV-2: virology, epidemiology, diagnosis, pathogenesis, and control	2024	FRONTIERS IN VIROLOGY	4					10.3389/fviro.2024.1407621	FRONTIERS MEDIA SA		gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2229	Article	Kumar, V; Jha, PK; Parida, MK; Sahoo, J	Advance signal processing and machine learning approach for analysis and classification of knee osteoarthritis vibroarthrographic signals	2025	MEDICAL ENGINEERING & PHYSICS	138					10.1016/j.medengphy.2025.104322	ELSEVIER SCI LTD	1350-4533		WoS
2230	Article	Deka, C; Dutta, MK; Yazdanpanah, M; Komendantova, N	When 'fear factors' motivate people to adopt electric vehicles in India: An empirical investigation of the protection motivation theory	2024	CLEANER AND RESPONSIBLE CONSUMPTION	13					10.1016/j.clrc.2024.100191	ELSEVIER	2666-7843	gold, Green Accepted	WoS
2231	Article	Saini, R; Goswami, RN; Sharma, OP; Singh, R; Kumar, A; Kumar, N; Khatri, OP	Graphene-Nickel Oxide-Polyaniline Ternary Nanocomposite-Embedded Epoxy Coating on Mild Steel for Corrosion Protection	2025	ADVANCED ENGINEERING MATERIALS	27	5				10.1002/adem.202402332	WILEY-V C H VERLAG GMBH	1438-1656		WoS
2232	Article	Kumari, A; Roy, A; Sairam, AS	Optimizing SDN Controller Load Balancing Using Online Reinforcement Learning	2024	IEEE ACCESS	12		1E+05	131604		10.1109/ACCESS.2024.3459952	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2233	Review	Kalita, H; Patowary, M	Biocompatible Polymer Nano-Constructs: A Potent Platform for Cancer Theranostics	2023	TECHNOLOGY IN CANCER RESEARCH & TREATMENT	22					10.1177/15330338231160391	SAGE PUBLICATIONS INC	1533-0346	gold, Green Published	WoS
2234	Article	Mir, RA; Aziz, K; Singh, S; Sharma, I; Shah, ZA; Ahmed, R	Pre- and post-landslide phenomena in Pernote area, Ramban District, Jammu and Kashmir, India: implications for early warning, mitigation, and preparedness	2025	LANDSLIDES	22	5	1577	1596		10.1007/s10346-025-02469-z	SPRINGER HEIDELBERG	1612-510X		WoS
2235	Editorial Material	Ray, RK; Bora, SN; Maiti, DK	The 67th Congress of the Indian Society of Theoretical and Applied Mechanics (ISTAM-2022) - an International Conference	2024	INTERNATIONAL JOURNAL OF ADVANCES IN ENGINEERING SCIENCES AND APPLIED MATHEMATICS	16	2	105	107		10.1007/s12572-024-00378-3	SPRINGER INDIA	0975-0770	hybrid	WoS
2236	Article	Gupta, K; Llewellyn, J; Roberts, E; Liu, CY; Naji, A; Assoian, RK; Wells, RG	Biliary atresia susceptibility gene EFEMP1 regulates extrahepatic bile duct elastic fiber formation and mechanics	2025	JHEP REPORTS	7	1				10.1016/j.jhepr.2024.101215	ELSEVIER		gold	WoS
2237	Article	Pramanik, P; Singha, AD; Reehuis, M; Pittala, S; Joshi, DC; Sarkar, T; Tovar, M; Hoser, A; Hoffmann, JU; Thota, S	Interplay of lattice-spin-orbital coupling and Jahn-Teller effect in noncollinear spinel Ti x Mn1-x (Fe y Co1-y)2O4: a neutron diffraction study	2024	JOURNAL OF PHYSICS-CONDENSED MATTER	36	35				10.1088/1361-648X/ad4adc	IOP Publishing Ltd	0953-8984		WoS
2238	Article	Patel, V; Soni, A; Sharma, A; Chakrabarti, S; Meghwani, A; Srivastava, SC; Srivastava, AK; Sreenath, JG	Performance Analysis of Smart Grid Communication Networks Using Co-Simulation	2024	IEEE ACCESS	12		2E+05	164776		10.1109/ACCESS.2024.3486667	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2239	Article	Barik, S; Aldar, KS; Chakraborty, A; Panda, AK; Kar, RK; Biswas, A	Understanding the structural and functional implications of lysine succinylation in Mycobacterium tuberculosis heat shock protein 16.3	2025	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	307					10.1016/j.ijbiomac.2025.142046	ELSEVIER	0141-8130		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2240	Article	Thesniya, PM; Mehar, J; Rajesh, VJ	Investigation of morphology and impact ejecta emplacement of the Copernican Das crater on the lunar farside	2025	PLANETARY AND SPACE SCIENCE	258					10.1016/j.pss.2025.106052	PERGAMON-ELSEVIER SCIENCE LTD	0032-0633		WoS
2241	Article	Sandhu, KS; Kishore, H; Sidana, A	Optimization of FSW input parameters for dissimilar butt-welded joints of Al6061-AZ31 alloys by GRA	2025	JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY	39	10	1579	1601		10.1080/01694243.2025.2459716	TAYLOR & FRANCIS LTD	0169-4243		WoS
2242	Article	Tripathy, AK; Adhikari, S; Tripathy, BC; Sanjay, K; Bhattacharya, IN	A Novel Process for Preparing Aluminium Fluoride from Coal Fly Ash Using Hydrofluorosilicic Acid Leaching and Seeding Techniques	2025	JOURNAL OF SUSTAINABLE METALLURGY	11	2	1250	1262		10.1007/s40831-025-01050-1	SPRINGER	2199-3823		WoS
2243	Article	Muppidadhi, BV; Ngoune, BB; Hallil, H; Subbiah, S; Lebental, B	Assessment of Ten Standardization-Based Calibration Transfer Techniques for Gas Sensors in a Small Data Context	2024	IEEE SENSORS JOURNAL	24	23	39243	39251		10.1109/JSEN.2024.3466235	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	1530-437X		WoS
2244	Article	Mulpuri, SK; Sah, B; Kumar, P	Protocol for conducting advanced cyclic tests in lithiumion batteries to estimate capacity fade	2024	STAR PROTOCOLS	5	1				10.1016/j.xpro.2024.102938	ELSEVIER	2666-1667	Green Published, gold	WoS
2245	Editorial Material	Kumar, ...; Koul, ...; Mallik, RK.....	Scanning the Issue	2024	IETE JOURNAL OF RESEARCH	70	7	5979	5984		10.1080/03772063.2024.2399922	TAYLOR & FRANCIS LTD	0377-2063		WoS
2246	Article	Kumar, PVA; Rahul, VR; Manikandan, A; Divakaran, N; Kumar, M; Pugazhenthii, G; Pakshirajan, K	A Comprehensive Study on the Antimicrobial Activity of Polyhydroxybutyrate (PHB) Film Incorporated with Gallic Acid and Potassium Sorbate	2025	MACROMOLECULAR CHEMISTRY AND PHYSICS	226	12				10.1002/macp.202400243	WILEY-V C H VERLAG GMBH	1022-1352		WoS
2247	Article	Dutta, HPJ; Bhuyan, MK; Karsh, RK; Alfarhood, S; Safran, M	Multiscale Attention-Based Hand Keypoint Detection	2024	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	73					10.1109/TIM.2024.3413196	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9456		WoS
2248	Article	Baranwal, A; Sarkar, H; Sharma, S; Kundu, S	On Outage Performance and Ergodic Capacity Analysis of Two User NOMA in a Cooperative Cognitive Radio Network With an Energy Harvesting Relay	2025	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	38	6				10.1002/dac.70015	WILEY	1074-5351		WoS
2249	Article	Chen, BE; Rattan, B; Gan, SB; Garg, A; Sreedeepp, S	Bioelectricity from pyrolyzed biomass-aided plant microbial fuel cell considering impact of different particle sizes of biochar	2025	BIOMASS CONVERSION AND BIOREFINERY	15	10	16123	16135		10.1007/s13399-025-06650-1	SPRINGER HEIDELBERG	2190-6815		WoS
2250	Article	Singh, CP; Tiwari, V; Kumar, A; Kapil, S; Singh, SS; Rajput, AS	Interrupted metal deposition wire arc additive manufacturing to fabricate objects with trailered microstructures	2025	MATERIALS LETTERS	389					10.1016/j.matlet.2025.138297	ELSEVIER	0167-577X		WoS
2251	Article	Singh, R; Borah, S; Phukan, U; Neog, PP; Borah, D; Dutta, D; Bose, A; Sarmah, JK; Dutta, RR	Blue florescent carbon nanoparticles as sensor probe and paper based microfluidic device for Hg2+ion detection.	2025	DIAMOND AND RELATED MATERIALS	154					10.1016/j.diamond.2025.112158	ELSEVIER SCIENCE SA	0925-9635		WoS
2252	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		10.1039/d4cc00594e	ROYAL SOC CHEMISTRY	1359-7345		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2253	Article	Singh, HK; Singh, NS; Mohapatra, PP; Giri, PK; Meena, SS; Dobbidi, P	Optically switchable currents in perpendicular magnetic anisotropy M-type hexaferrite	2024	PHYSICAL REVIEW B	110	23				10.1103/PhysRevB.110.235124	AMER PHYSICAL SOC	2469-9950		WoS
2254	Article	Sahu, R; Sanghvi, YS; Gunturu, KC; Bag, S; Kapdi, AR	Chemical Capture and Sensing of Bovine Serum Albumin with Phenothiazinylcarbaldehyde-Labeled 2'-Deoxyuridine	2025	SYNLETT	36	7	826	834		10.1055/a-2435-6207	GEORG THIEME VERLAG KG	0936-5214		WoS
2255	Article	Mazumder, JT; Nanda, A; Mandal, JR; Yadav, A; Jha, RK	Bias Potential Mediated NO2 Gas Sensor With NiCo2O4 Hollow Micro-Spheres	2024	IEEE ELECTRON DEVICE LETTERS	45	5	885	888		10.1109/LED.2024.3376450	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0741-3106		WoS
2256	Article; Early Access	Nigam, M; Chakraborty, M	Revisiting Aspergillus terreus MTCC6324 recombinant alcohol oxidase (rAOx): enhanced in-silico insight into structure, function, and substrate sequestration mechanism	2024	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS						10.1080/07391102.2024.2424946	TAYLOR & FRANCIS INC	0739-1102		WoS
2257	Article	Ghosh, V; Mukherjee, R; Liu, Y; Upadhyay, S; Puniyani, A	The Evolution of Global Smart Systems and Future Technologies in Human Resource Management Systems: Novel Implications for Sustainable Development Goals	2024	JOURNAL OF GLOBAL INFORMATION MANAGEMENT	32	1				10.4018/JGIM.366390	IGI GLOBAL	1062-7375	gold	WoS
2258	Article	Zhang, Y; Cao, YX; Sastri, CV; de Visser, SP	Defluorination of Fluorophenols by a Heme Dehaloperoxidase: Insights into the Defluorination Mechanism	2025	ACS CATALYSIS	15	5	3898	3912		10.1021/acscatal.4c07865	AMER CHEMICAL SOC	2155-5435	hybrid	WoS
2259	Article	Vij, S; Warner, JF; Mehta, AS; Barua, A	Status quo in transboundary waters: Unpacking non-decision making and non-action	2024	GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS	85					10.1016/j.gloenvcha.2024.102821	ELSEVIER SCI LTD	0959-3780	hybrid	WoS
2260	Article	Sarkar, D; Kara, UI; Singh, R; Phukan, A; Mondal, P; Paily, RP; Wang, XG; Manna, U	Underwater Vibration Sensor to Enable Automated and Contactless Voice Recognition	2025	ADVANCED FUNCTIONAL MATERIALS	35	14				10.1002/adfm.202419049	WILEY-V C H VERLAG GMBH	1616-301X	Bronze	WoS
2261	Article	Choudhury, B; Singh, YR; Khaire, KC; Ahmed, N; Sharma, K; Fontes, CMGA; Goyal, A	Cellulosomal endo-1,4-β-D-xylanase (AcXyn30B_12) from Acetivibrio clariflavus acts synergistically with xylobiohydrolase (AcGH30A) upon the hydrolysis of complex carbohydrates	2025	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	306					10.1016/j.ijbiomac.2025.141620	ELSEVIER	0141-8130		WoS
2262	Article	Borah, D; Mahapatra, S; Paul, PK; Sahu, N	Scotogenic U(1)Lμ-Lt origin of (g-2)μ,W-mass anomaly and 95 GeV excess	2024	PHYSICAL REVIEW D	109	5				10.1103/PhysRevD.109.055021	AMER PHYSICAL SOC	2470-0010	hybrid	WoS
2263	Article	Tilwari, V; Song, TW; Nandini, U; Sivasankaran, V; Pack, S	A multi-criteria aware integrated decision making routing protocol for IoT communication toward 6G networks	2024	WIRELESS NETWORKS	30	5	3321	3335		10.1007/s11276-024-03739-9	SPRINGER	1022-0038		WoS
2264	Article	Sultana, B; Bakkar, A; Saidani, O; Bhattarai, S; Irfan, A; Rahman, MF	Introducing a sustainable strontium-based double perovskite solar cell exceeding 32 % efficiency for advanced solar technology	2025	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	200					10.1016/j.jpcs.2025.112582	PERGAMON-ELSEVIER SCIENCE LTD	0022-3697		WoS
2265	Article	Boda, R; Panda, B; Kumar, S	Bioinspired Design of Isotropic Lattices with Tunable and Controllable Anisotropy	2025	ADVANCED ENGINEERING MATERIALS	27	11				10.1002/adem.202401881	WILEY-V C H VERLAG GMBH	1438-1656	hybrid	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2266	Article	Bouزيد, R; Gritli, H; Narayan, J	ANN Approach for SCARA Robot Inverse Kinematics Solutions with Diverse Datasets and Optimisers	2024	APPLIED COMPUTER SYSTEMS	29	1	24	34		10.2478/acss-2024-0004	SCIENDO	2255-8683	gold	WoS
2267	Article	Noda, NA; Takaki, R; Suzuki, Y; Takase, Y; Oda, K	Adhesive geometry dependence of JIS adhesive strength expressed as average stress and countermeasure based on ISSF	2025	INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES	140					10.1016/j.ijadhadh.2025.103978	ELSEVIER SCI LTD	0143-7496		WoS
2268	Article	Vikas; Kathuria, L; Brodie, CN; Cross, MJ; Pasha, FA; Weller, AS; Kumar, A	Selective PNP Pincer-Ir-Promoted Acceptorless Transformation of Glycerol to Lactic Acid and Hydrogen	2025	INORGANIC CHEMISTRY	64	8	3760	3770		10.1021/acs.inorgchem.4c04580	AMER CHEMICAL SOC	0020-1669		WoS
2269	Article	Chattopadhyay, A; Coine, C; Giri, S; Pradhan, C	Higher order Sp-differentiability: The unitary case	2025	JOURNAL OF SPECTRAL THEORY	15	1	195	222		10.4171/JST/536	EUROPEAN MATHEMATICAL SOC-EMS	1664-039X	Green Submitted , gold	WoS
2270	Article	Roy-Chowdhury, M; He, C; Tang, K; Koizumi, H; Wen, ZC; Thota, S; Sukegawa, H; Ohkubo, T; Mitani, S	Conductive single-phase SrMoO3 epitaxial films synthesized in pure Ar ambience via plasma-assisted radio frequency sputtering	2024	SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS	25	1				10.1080/14686996.2024.2378684	TAYLOR & FRANCIS LTD	1468-6996	Green Published, gold, Green Submitted	WoS
2271	Article	Bhaduri, R; Vinodhkumar, B; Barua, A; Rao, KK; Sabade, S; Sarma, AK	Unveiling Tomorrow's Deluge: Investigating Precipitation Extremes in the Brahmaputra River Basin Using NEX-GDDP Datasets	2024	WATER CONSERVATION SCIENCE AND ENGINEERING	9	2				10.1007/s41101-024-00305-4	SPRINGER NATURE	2366-3340		WoS
2272	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	WILEY	1099-498X		WoS
2273	Article	Kishore, PS; Gujjarappa, R; Patel, MJ; Polina, S; Putta, VPRK; Singh, V; Malakar, CC; Pujar, PP	A Metal-Free KOTBu-Mediated Protocol towards the Synthesis of Quinolines, Indenoquinolines and Acridines	2024	CHEMISTRYSELECT	9	4				10.1002/slct.202304897	WILEY-V C H VERLAG GMBH	2365-6549		WoS
2274	Article	Choudhury, A; Ghose, M; Islam, A; Yogita	Machine learning-based computation offloading in multi-access edge computing: A survey	2024	JOURNAL OF SYSTEMS ARCHITECTURE	148					10.1016/j.sysarc.2024.103090	ELSEVIER	1383-7621		WoS
2275	Article	Roy, A; Shakkottai, S; Srikant, R	Adaptive KL-UCB Based Bandit Algorithms for Markovian and IID Settings	2024	IEEE TRANSACTIONS ON AUTOMATIC CONTROL	69	4	2637	2644		10.1109/TAC.2023.3336835	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	0018-9286	Green Submitted	WoS
2276	Article	Chattopadhyay, A; Hong, GX; Pradhan, C; Ray, SK	On isometric embeddability of Smq into Snp as non-commutative quasi-Banach spaces	2024	PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH SECTION A-MATHEMATICS	154	4	1180	1203		10.1017/prm.2023.54	CAMBRIDGE UNIV PRESS	0308-2105		WoS
2277	Article	Tiwari, K; Sharma, BG; Brahme, N; Bisen, DP; 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		10.1021/acsaom.3c00453	AMER CHEMICAL SOC	2771-9855		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2278	Article; Early Access	Mishra, S; Gao, L; Panda, B; Garg, A	Topology optimization of cold plates for enhanced heat transfer in battery packs: A comparative study of various optimized designs and impact of hybrid nanofluids as coolant	2025	INTERNATIONAL JOURNAL OF GREEN ENERGY						10.1080/15435075.2025.2469802	TAYLOR & FRANCIS INC	1543-5075		WoS
2279	Article	Aneesha, U; Das, S; Katoch, TB; Nandi, A	Long-term wide-band spectrottemporal studies of outbursting black hole candidate sources GX 339-4 and H 1743-322: AstroSat and NuSTAR results	2024	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	532	4	4486	4510		10.1093/mnras/stae1753	OXFORD UNIV PRESS	0035-8711	gold	WoS
2280	Article	Kumari, SVG; Rawat, S; Vasanth, D; Valapa, RB; Pakshirajan, K; Pugazhenth, G	Development and characterization of novel environmentally sustainable poly (lactic acid)/ball clay composite films	2025	POLYMER ENGINEERING AND SCIENCE	65	5	2455	2467		10.1002/pen.27160	WILEY	0032-3888		WoS
2281	Article	Narayan, J; Dwivedy, SK	Pediatric gait training using a lower-limb exoskeleton with adaptive finite-time sliding mode control scheme: An experimental study	2025	TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL	47	7	1438	1454		10.1177/01423312241291269	SAGE PUBLICATIONS LTD	0142-3312		WoS
2282	Article; Early Access	Singh, AK; Singh, K; Singh, D; Sahoo, N	Effect of forward and reverse injection on film cooling and thermal stress distribution on a corrugated surface	2024	NUMERICAL HEAT TRANSFER PART A-APPLICATIONS						10.1080/10407782.2024.2391119	TAYLOR & FRANCIS INC	1040-7782		WoS
2283	Article	Thongam, DD; Hang, DR; Liang, CT; Chou, MMC	Doping and defect engineering in carbon-based electrocatalysts for enhanced electrochemical CO2 reduction: From 0D to 3D materials	2025	ADVANCES IN COLLOID AND INTERFACE SCIENCE	339					10.1016/j.cis.2025.103429	ELSEVIER	0001-8686		WoS
2284	Article	Choi, MJ; Klinkel, S; Klarmann, S; Sauer, RA	An objective isogeometric mixed finite element formulation for nonlinear elastodynamic beams with incompatible warping strains	2025	MULTIBODY SYSTEM DYNAMICS	63	4	615	668		10.1007/s11044-024-10037-x	SPRINGER	1384-5640	hybrid	WoS
2285	Article; Early Access	Singh, K; Barman, NN; Buragohain, L; Kumar, S; Malik, YS	Exploring In-Silico Immunoepitope Landscape and Genetic Diversity in p72 and CD2v Proteins Across Asian African Swine Fever Virus Isolates	2024	INDIAN JOURNAL OF MICROBIOLOGY						10.1007/s12088-024-01305-7	SPRINGER	0046-8991		WoS
2286	Article	Sahoo, S; Rana, R; Srinivas, C; Iyer, PK; Dash, L; Biswal, HS; Samal, SL	Understanding the Relation between the Structure and Emission Properties in 0D (2-ABI)3Bi1-x Sb x Cl6H2O: Impact of Structural Distortion and Stereoactivity of ns2 Lone Pairs	2025	INORGANIC CHEMISTRY	64	11	5637	5651		10.1021/acs.inorgchem.5c00116	AMER CHEMICAL SOC	0020-1669		WoS
2287	Article	Krishna, RS; Prasad, VD; Sethy, N; Panda, B; Boopathy, R; Mustakim, SM; Rawat, S	Investigation on in-situ geopolymer coatings: A comparative analysis of lycopodium powder and polydimethylsiloxane as functional additives	2025	STRUCTURAL CONCRETE	26	3	2704	2725		10.1002/suco.202401067	ERNST & SOHN	1464-4177		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2288	Article	Kumar, V; Pandey, A; Vishvakarma, A; Kumar, A; Kumar, L; Singh, BP	Growth of MAPbI 3 perovskite films on MWCNT-modified TiO 2 thin films for solar cell applications	2024	INORGANIC CHEMISTRY COMMUNICATIONS	163					10.1016/j.inoche.2024.112360	ELSEVIER	1387-7003		WoS
2289	Article	Srinivas, MS; Reddy, RM; Balguri, PK; Bandhu, D; Das, M; Debnath, K; Choudhury, MR	Advancing Microchannel Fabrication: Tool-Innovated Die Sink Electrodischarge Machining	2024	JOURNAL OF ENGINEERING	2024					10.1155/2024/2607164	WILEY	2314-4904	gold	WoS
2290	Article	Singh, A; Sharma, S; Sharma, M; Deka, K; da Costa, DB	Autoencoder-Based End-to-End OTFS System Design With Hardware Impairments	2024	IEEE WIRELESS COMMUNICATIONS LETTERS	13	8	2285	2289		10.1109/LWC.2024.3412240	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2162-2337		WoS
2291	Article	Tera, SP; Chinthaginjala, R; Pau, G; Kim, TH	Toward 6G: An Overview of the Next Generation of Intelligent Network Connectivity	2025	IEEE ACCESS	13		925	961		10.1109/ACCESS.2024.3523327	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2292	Article	Sivakumar, A; Mishra, PK; Hujeirat, AA; 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	AIP Publishing	1070-6631	Green Submitted , Bronze	WoS
2293	Article	Mitra, S; Vrba, J; Rayimbaev, J; Stuchlik, Z; Ahmedov, B	Charged particles and quasiperiodic oscillations in Black-bounce-Reissner-Nordström geometry in braneworlds	2024	PHYSICS OF THE DARK UNIVERSE	46					10.1016/j.dark.2024.101561	ELSEVIER			WoS
2294	Article	Pradhan, N; Kumar, P; Kanamoto, R; Dey, TN; Bhattacharya, M; Mishra, PK	Ring Bose-Einstein condensate in a cavity: Chirality detection and rotation sensing	2024	PHYSICAL REVIEW A	109	2				10.1103/PhysRevA.109.023524	AMER PHYSICAL SOC	2469-9926	Green Submitted , hybrid	WoS
2295	Review	Bhujle, RR; Nayak, N; Gowda, NAN; Pandiselvam, R; Sunil, CK	A comprehensive review on influence of millet processing on carbohydrate-digesting enzyme inhibitors and implications for diabetes management	2025	CRITICAL REVIEWS IN BIOTECHNOLOGY	45	4	743	765		10.1080/07388551.2024.2423153	TAYLOR & FRANCIS LTD	0738-8551		WoS
2296	Article	Borah, D; Mahapatra, S; Nanda, D; Sahoo, SK; Sahu, N	Singlet-doublet fermion Dark Matter with Dirac neutrino mass, (g - 2)μ and ΔNeff	2024	JOURNAL OF HIGH ENERGY PHYSICS		5				10.1007/JHEP05(2024)096	SPRINGER		gold	WoS
2297	Article	Rani, J; Mishra, D; Prasad, G; Hossain, A; De, SD; Deka, K	Joint Optimization of IRS Location and Passive Beamforming for Enhanced Received Power	2024	IEEE TRANSACTIONS ON GREEN COMMUNICATIONS AND NETWORKING	8	4	1970	1984		10.1109/TGCN.2024.3403527	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2473-2400		WoS
2298	Article	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	29	61				10.1002/chem.202302187	WILEY-V C H VERLAG GMBH	0947-6539		WoS
2299	Article	Dar, AH; Bhat, MY; Alshanbari, HM; Albalawi, O; Dar, JG	Probabilistic Entropy and Other Uncertainty Principles for the Multi-dimensional Special Affine Fourier Transform	2025	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	44	5	3490	3512		10.1007/s00034-024-02974-x	SPRINGER BIRKHAUSER	0278-081X		WoS
2300	Article	Pathak, L; Pal, B; Talukdar, J; Saikia, PJ; Sandhya, S; Tasabehji, W; Li, H; Phukan, J; Bhuyan, A; Patra, S; Das, B	Hypoxia-driven mobilization of altruistic cancer stem cells in platinum-treated head and neck cancer	2025	FRONTIERS IN IMMUNOLOGY	15					10.3389/fimmu.2024.1336882	FRONTIERS MEDIA SA	1664-3224	gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2301	Article	Mokhalingam, A; Gupta, SS; Sauer, RA	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	AMER PHYSICAL SOC	2469-9950	Green Submitted	WoS
2302	Article	Das, SS; Rana, R; Srinivas, C; Mishra, A; Iyer, PK; Samal, SL	Synthesis and Luminescence Properties of (TMS)4Bi1-x Sb x Br7: A Series of 0D Hybrid Metal Halides Containing S-Based Organic Cations	2025	CRYSTAL GROWTH & DESIGN	25	4	1053	1065		10.1021/acs.cgd.4c01393	AMER CHEMICAL SOC	1528-7483		WoS
2303	Article	Suhail, S; Saha, S; Barman, KK; Bora, WN	Impact of a porous structure placed at the sea-bed in wave scattering around ice floes	2025	JOURNAL OF FLUIDS AND STRUCTURES	134					10.1016/j.jfluidstructs.2025.104280	ACADEMIC PRESS LTD- ELSEVIER SCIENCE LTD	0889-9746		WoS
2304	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	1434-6001		WoS
2305	Article	Mondal, SK; Narayan, J; Sharma, C; Bharti, R; Dwivedy, SK; Chowdhury, PR; Singh, RP	Glacial lakes outburst susceptibility and risk in the Eastern Himalayas using analytical hierarchy process and backpropagation neural network models	2025	GEOMATICS NATURAL HAZARDS & RISK	16	1				10.1080/19475705.2024.2449134	TAYLOR & FRANCIS LTD	1947-5705	gold	WoS
2306	Article	Mohapatra, SS; Bisht, KS; Suryawanshi, S; Gupta, S; Biswas, VK; Chakraborty, A; Raghav, SK; Maiti, TK; Kar, RK; Biswas, A	Decoding Anti-Amyloidogenic and Fibril Neutralizing Action of Gut Microbiota-Derived Indole 3-Acetic Acid on Insulin Fibrillation through Multispectroscopic, Machine Learning, and Hybrid Quantum Mechanics/Molecular Mechanics Approaches	2025	JOURNAL OF PHYSICAL CHEMISTRY B	129	13	3281	3296		10.1021/acs.jpcc.4c07325	AMER CHEMICAL SOC	1520-6106		WoS
2307	Article	Vannini, F; Bandaru, V; Bergström, H; Schwarz, N; Artola, FJ; Hoelzl, M; Pautasso, G; Nardon, E; Maviglia, F; Richiusa, ML; Emanuelli, E	Runaway electron beam formation, vertical motion, termination and wall loads in EU-DEMO	2025	NUCLEAR FUSION	65	4				10.1088/1741-4326/adac77	IOP Publishing Ltd	0029-5515	Green Submitted , gold	WoS
2308	Article	Das, B; Pasawan, M; Wang, CT; Reddy, KA; Dinh, KL; Brar, SK; Katiyar, V; Chen, SS	Low-cost crosslinked PVA membranes as alternative proton exchange membrane in hemodialysis wastewater fed bioelectrochemical fuel cells	2025	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	196					10.1016/j.psep.2025.106915	ELSEVIER	0957-5820		WoS
2309	Article	Kamdar, A; Ali, S; Baishya, HK; Barua, K; Basumatary, R; Kakati, P; Kalita, N; Mazumder, B; Saikia, R; Sarmah, A; Sharma, KK; Smith, D; Sekar, N	Two observations of rescue behavior in wild Asian elephants	2025	BIOTROPICA	57	1				10.1111/btp.13414	WILEY	0006-3606	hybrid	WoS
2310	Article	Kundu, S; Iwahori, Y; Bhuyan, MK; Bhatt, M; Kijisirikul, B; Wang, AL; Ouchi, A; Shimizu, Y	Automatic MRI Lymph Node Annotation From CT Labels	2025	IEEE ACCESS	13		21906	21926		10.1109/ACCESS.2025.3535219	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2311	Article	Mandal, TN; Sarkar, S; Roy, D; Khan, A; Mehera, R; Datta, AK; Pal, RK	Bottleneck Crosstalk Minimization in Two- and Three-Layer Manhattan Channel Routing	2024	IEEE ACCESS	12		1E+05	148373		10.1109/ACCESS.2024.3469218	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2312	Article	Roy-Chowdhury, M; Sarkar, T; Weise, B; Choi, ES; Wen, ZC; Thota, S	Non-equilibrium spin dynamics of the frustrated trication spinel ZnMnCoO4 in the hierarchical free-energy framework	2025	JOURNAL OF PHYSICS-CONDENSED MATTER	37	13				10.1088/1361-648X/adb194	IOP Publishing Ltd	0953-8984		WoS
2313	Article	Bordoloi, A; Jena, SK; Tiwari, P; Datta, A; Weise, B; Medwal, R; Rawat, RS; Thota, S	Charge-ordering breakdown dynamics and ferromagnetic resonance studies of B-site Cu diluted Pr1-x Sr x MnO3	2024	JOURNAL OF PHYSICS-CONDENSED MATTER	36	29				10.1088/1361-648X/ad3c04	IOP Publishing Ltd	0953-8984	hybrid	WoS
2314	Article	Tera, SP; Chinthaginjala, R; Natha, P; Pau, G; Dhanamjayulu, C; Mohammad, F	CNN-Based Approach for Enhancing 5G LDPC Code Decoding Performance	2024	IEEE ACCESS	12		89873	89886		10.1109/ACCESS.2024.3420106	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2315	Article	Franka, M; Fuks, B; Garg, SK; Poulouse, P	Flavour-changing top quark decays in the alternative left-right model	2024	PHYSICS LETTERS B	850					10.1016/j.physletb.2024.138548	ELSEVIER	0370-2693	gold, Green Submitted	WoS
2316	Article	Baishya, B; Pradhan, AK; Paul, A; Bhattacharyya, A; Dahal, H; Roy, M; Sudhakar, AA; Paul, MK	New azo-functionalized symmetrical liquid crystal dimers: Synthesis, photophysical studies, mesomorphism and DFT studies	2025	DYES AND PIGMENTS	235					10.1016/j.dyepig.2025.112652	ELSEVIER SCI LTD	0143-7208		WoS
2317	Article; Early Access	Mohammed, MKA; Naji, AM; Ahmed, DS; Jamai, MJ; Salih, EY; Dehghanipour, M; Bhattarai, S; Pandey, R; Madan, J; Rahman, MF	Facile synthesis of chitosan-MoS2 over reduced graphene oxide to improve photocatalytic degradation of methylene blue	2024	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY						10.1007/s10971-024-06619-y	SPRINGER	0928-0707		WoS
2318	Article	Haque, MR; Kpatcha, E; Maity, D; Mambrini, Y	Primordial black hole versus inflaton	2024	PHYSICAL REVIEW D	109	2				10.1103/PhysRevD.109.023521	AMER PHYSICAL SOC	2470-0010	hybrid	WoS
2319	Article	Alok, A; Burman, A; Samui, P; Kaloop, MR; Eldessouki, M	A Generalized Limit Equilibrium-Based Platform Incorporating Simplified Bishop, Janbu and Morgenstern-Price Methods for Soil Slope Stability Problems	2024	ADVANCES IN CIVIL ENGINEERING	2024					10.1155/2024/3053923	WILEY	1687-8086	gold	WoS
2320	Article	Tera, SP; Chinthaginjala, RV; Natha, P; Ahmad, S; Pau, G	Deep Learning Approach for Efficient 5G LDPC Decoding in IoT	2024	IEEE ACCESS	12		1E+05	145685		10.1109/ACCESS.2024.3472466	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	2169-3536	gold	WoS
2321	Article	Pariary, R; Shome, G; Kalita, S; Kalita, S; Roy, A; Harikishore, A; Jana, K; Senapati, D; Mandal, B; Mandal, AK; Bhunia, A	Peptide-Based Strategies: Combating Alzheimer's Amyloid β Aggregation through Ergonomic Design and Fibril Disruption	2024	BIOCHEMISTRY	63	19	2397	2413		10.1021/acs.biochem.4c00371	AMER CHEMICAL SOC	0006-2960		WoS
2322	Article	Nandi, A; Das, S; Majumder, S; Katoch, T; Antia, HM; Shah, PR	Discovery of evolving low-frequency QPOs in hard X-rays ($\sim$ 100 keV) observed in black hole Swift J1727.8-1613 with AstroSat	2024	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	531	1	1149	1157		10.1093/mnras/stae1208	OXFORD UNIV PRESS	0035-8711	gold	WoS
2323	Article	Rajamohan, R; Kamaraj, E; Muthuraja, P; Murugavel, K; Prabakaran, DS; Govindasamy, C; Almutairi, KM; Sun, SH	Supramolecular interaction of ketoprofen with native and hydroxypropyl beta-cyclodextrin: Improved solubility and anti-inflammatory	2025	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	333					10.1016/j.saa.2025.125904	PERGAMON-ELSEVIER SCIENCE LTD	1386-1425		WoS
2324	Article	Singh, S; Bai, MW; Matthews, A; Goel, S; Joshi, SN	Critical raw material-free multi-principal alloy design for a net-zero future	2025	SCIENTIFIC REPORTS	15	1				10.1038/s41598-025-87784-0	NATURE PORTFOLIO	2045-2322	gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2325	Article; Early Access	Bhattacharai, S; Jrai, AA; Prakash, K; Kaur, J; Hamid, JA; Dakua, PK; Madan, J; Pandey, R	Assessment of double CdS/CdTe based solar cells using carbon as back contact: an exclusive optimization method	2024	JOURNAL OF OPTICS-INDIA						10.1007/s12596-024-02398-5	SPRINGER INDIA	0972-8821		WoS
2326	Article; Early Access	Syiemlieh, R; Kashyap, P; Tamang, SK; Khlem, S; Thangamani, G; Immanuel, RJ	Micro-surface Texturing of Ti6Al4V Alloy for Improved Hydrophobicity: Integrating Experimental and Mathematical Approaches	2025	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE						10.1007/s11665-025-10646-3	SPRINGER	1059-9495		WoS
2327	Article	Natha, P; Tera, SP; Chinthaginjala, R; Rab, SO; Narasimhulu, CV; Kim, TH	Boosting skin cancer diagnosis accuracy with ensemble approach	2025	SCIENTIFIC REPORTS	15	1				10.1038/s41598-024-84864-5	NATURE PORTFOLIO	2045-2322	gold	WoS
2328	Article	Priyanka, TMC; Gowrisankar, A; Prasad, MGP; Liang, YS; Cao, J	Caputo fractional derivative of α -fractal spline	2025	NUMERICAL ALGORITHMS	99	1	207	228		10.1007/s11075-024-01875-z	SPRINGER	1017-1398		WoS
2329	Review	Lawrence, AS; Sivakumar, B; Rokhum, SL; Biswas, S; Cirujano, FG; Dhakshinamoorthy, A	Engineering of Active Sites in Metal-Organic Frameworks for Friedel-Crafts Alkylation	2025	CHEMCATCHEM	17	2				10.1002/cctc.202401477	WILEY-V C H VERLAG GMBH	1867-3880	hybrid	WoS
2330	Article	Yazdani, L; Selladurai, S; Rafati, I; Bhatt, M; Montagnon, E; Chayer, B; Olivie, D; Giard, JM; Sebastiani, G; Nguyen, BN; Cloutier, G; Tang, A	Between-Visit Reproducibility of Shear Wave Viscoelastography in Volunteers and Patients With Metabolic Dysfunction-Associated Steatotic Liver Disease	2024	JOURNAL OF ULTRASOUND IN MEDICINE	43	11	2095	2108		10.1002/jum.16538	WILEY	0278-4297	hybrid	WoS
2331	Article	Sharma, V; Keshari, P; Sharma, S; Deka, K; Krejcar, O; Bhatia, V	Deep Learning Model for CS-Based Signal Recovery for IRS-Assisted Near-Field THz MIMO System	2024	IEEE OPEN JOURNAL OF VEHICULAR TECHNOLOGY	5		1326	1335		10.1109/OJVT.2024.3452412	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC		gold	WoS
2332	Article; Early Access	Sharma, A; Ghosh, S; Kalita, B; Kashyap, A; Kumar, A; Kaur, J; Akkur, M; Jagtap, J; Sarma, D; Bhattacharai, S	Enhancing efficiency in organic solar device with exclusive study using PC-1D simulator	2024	JOURNAL OF OPTICS-INDIA						10.1007/s12596-024-02345-4	SPRINGER INDIA	0972-8821		WoS
2333	Article	Borkovic, A; Gfrerer, MH; Sauer, RA; Marussig, B; Bui, TQ	A novel section-section potential for short-range interactions between plane beams	2024	COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING	429					10.1016/j.cma.2024.117143	ELSEVIER SCIENCE SA	0045-7825	Green Submitted , hybrid	WoS
2334	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	AMER PHYSICAL SOC	2469-9950	Green Submitted	WoS
2335	Article	Mohanty, P; Kishore, J; Acharya, GC; Mohanty, I; Patnaik, L; Bhowmik, B; Sahoo, M; Satpathy, N; Sahoo, PK; Jena, PK	Utilization of Ayurveda, Yoga, Naturopathy, Unani, Siddha, and Homoeopathy (AYUSH) Practitioners' Services Among Older Adults: Results From the Longitudinal Aging Study in India	2024	CUREUS JOURNAL OF MEDICAL SCIENCE	16	6				10.7759/cureus.62192	SPRINGERNATURE		gold, Green Published	WoS
2336	Article; Early Access	Bhattacharai, S; Kanjariya, P; Kiran, KS; Sharma, R; Jaidka, S; Shrivastav, N; Tara, A; Madan, J; Dakua, PK; Hossain, I; Pandey, R	All Inorganic Cesium-Based Dual Light Absorber For Efficiency Enhancement In Solar Cells	2024	JOURNAL OF OPTICS-INDIA						10.1007/s12596-024-02386-9	SPRINGER INDIA	0972-8821		WoS
2337	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	CELL PRESS		Green Published, gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2338	Article	Poudel, S; Wickramasinghe, D; Mukherjee, M; Chowdhooree, 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 SCIENCE		gold	WoS
2339	Article	Gangwar, S; Ravisankar, R; Mistakidis, SI; Muruganandam, P; Mishra, PK	Interaction imbalanced spin-orbit coupled quantum droplets	2025	PHYSICS LETTERS A	542					10.1016/j.physleta.2025.130426	ELSEVIER	0375-9601	Green Submitted	WoS
2340	Article	Ghosh, A; Rahman, MF; Kuddus, A; Mohammed, MKA; Islam, MR; Bhattarai, S; Chaudhry, AR; Irfan, A	Investigating of novel inorganic cubic perovskites of A3BX3 (A=Ca, Sr, BP, As, X=I, Br) and their photovoltaic performance with efficiency over 28%	2024	JOURNAL OF ALLOYS AND COMPOUNDS	986					10.1016/j.jallcom.2024.174097	ELSEVIER SCIENCE SA	0925-8388		WoS
2341	Editorial Material	Choudhary, T; Upadhyaya, P; Parvez, MZ; Ahamed, SR	Editorial: Smart biomedical signal analysis with machine intelligence	2025	FRONTIERS IN SIGNAL PROCESSING	5					10.3389/frsip.2025.1555876	FRONTIERS MEDIA SA		gold	WoS
2342	Article	Siddique, S; Hart, JL; Niedzielski, D; Singha, R; Han, MG; Funni, SD; Colletta, M; Kiani, MT; Schnitzer, N; Williams, NL; Kourkoutis, LF; Zhu, YM; Schoop, LM; Arias, TA; Cha, JJ	Realignment and suppression of charge density waves in the rare-earth tritellurides R Te 3 (R R = La, Gd, Er)	2024	PHYSICAL REVIEW B	110	1				10.1103/PhysRevB.110.014111	AMER PHYSICAL SOC	2469-9950		WoS
2343	Article	Ribeiro, ID; Dhabal, D; Kumar, R; Banik, S; Sankaranarayanan, SKRS; Molinero, V	Medium-density amorphous ice unveils shear rate as a new dimension in water's phase diagram	2024	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	121	48				10.1073/pnas.2414444121	NATL ACAD SCIENCES	0027-8424		WoS
2344	Article; Early Access	Bhattarai, S; Dakua, PK; Ansari, MZ; Dudekula, U; Pandey, R; Hossain, I; Ghfar, AA	Exclusive optimization techniques for Cesium based perovskite solar cell for the efficiency increment	2024	JOURNAL OF OPTICS-INDIA						10.1007/s12596-024-02026-2	SPRINGER INDIA	0972-8821		WoS
2345	Article	Gohri, S; Madan, J; Samajdar, DP; Bhattarai, S; Mohammed, MKA; Hossain, MK; Rahman, MF; Al-Mousoi, AK; Al-Ammar, EA; Pandey, R	Achieving 24.6 % efficiency in 2D perovskite solar cells: Bandgap tuning and MXene contact optimization in (BDA)(MA)n-1PbnI3n+1 structures	2024	CHEMICAL PHYSICS LETTERS	845					10.1016/j.cplett.2024.141291	ELSEVIER	0009-2614		WoS
2346	Review	Mishra, S; Sahani, S; Pandhi, S; Kumar, A; Mahato, DK; Kumar, P; Khaire, KC; Rai, A	Enhancement in Biological Availability of Vitamins by Nano-engineering and its Applications: An Update	2024	CURRENT PHARMACEUTICAL BIOTECHNOLOGY	25	12	1523	1537		10.2174/0113892010251234231025085759	BENTHAM SCIENCE PUBL LTD	1389-2010		WoS
2347	Review	Changkakoti, L; Das, JM; Borah, R; Rajabalaya, R; David, SR; Balaraman, AK; Pramanik, S; Haldar, PK; Bala, A	Protein Kinase C (PKC)-mediated TGF-β Regulation in Diabetic Neuropathy: Emphasis on Neuro-inflammation and Allodynia	2024	ENDOCRINE METABOLIC & IMMUNE DISORDERS-DRUG TARGETS	24	7	777	788		10.2174/0118715303262824231024104849	BENTHAM SCIENCE PUBL LTD	1871-5303		WoS
2348	Article	Pramanik, S; Devi, MH; Chakrabarty, S; Paylar, B; Pradhan, A; Thaker, M; Ayyadhury, S; Manavalan, A; Olsson, PE; Pramanik, G; Heese, K	Microglia signaling in health and disease - Implications in sex-specific brain development and plasticity	2024	NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS	165					10.1016/j.neubiorev.2024.105834	PERGAMON-ELSEVIER SCIENCE LTD	0149-7634		WoS
2349	Article	Ghimire, R; Mohanty, P; Hiby, E; Larkins, A; Dürr , S; Hartnack, S	Socio-economic assessment of dog population management systems: a scoping review	2025	FRONTIERS IN VETERINARY SCIENCE	12					10.3389/fvets.2025.1519913	FRONTIERS MEDIA SA		gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2350	Correction	Qin, SY; Giri, BS; Patel, AK; Sar, T; Liu, HM; Chen, HY; Juneja, A; Kumar, D; Zhang, ZQ; Awasthi, MK; Taherzadeh, MJ	Resource recovery and biorefinery potential of apple orchard waste in the circular bioeconomy (vol 321, 124496, 2021)	2025	BIORESOURCE TECHNOLOGY	421					10.1016/j.biortech.2025.132181	ELSEVIER SCI LTD	0960-8524		WoS
2351	Review	Ghosh, S; Mahajan, AA; Dey, A; Rajendran, RL; Chowdhury, A; Sen, S; Paul, S; Majhi, S; Hong, CM; Gangadaran, P; Ahn, BC; Krishnan, A	Exosomes in Bone Cancer: Unveiling their Vital Role in Diagnosis, Prognosis, and Therapeutic Advancements	2024	JOURNAL OF CANCER	15	13	4128	4142		10.7150/jca.95709	IVYSPRING INT PUBL	1837-9664	gold, Green Published	WoS
2352	Article	Mohanty, P; Durr, S; Heydtmann, S; Sarkar, A; Tiwari, HK	Improving awareness of rabies and free-roaming dogs in schools of Guwahati, Assam, India: exploring the educators' perspective	2025	BMC PUBLIC HEALTH	25	1				10.1186/s12889-025-21892-4	BMC		Green Submitted , gold	WoS
2353	Article	Kim, TH; Chinthaginjala, R; Srinivasulu, A; Tera, SP; Rab, SO	COVID-19 health data prediction: a critical evaluation of CNN-based approaches	2025	SCIENTIFIC REPORTS	15	1				10.1038/s41598-025-92464-0	NATURE PORTFOLIO	2045-2322	gold	WoS
2354	Article	Muzaddadi, IU; Murugan, A; Saha, S; Raman, N; Selvaraj, FSS; Manohar, A; Kulandaisamy, A; Kumar, P; Borah, R; Shellaiah, M; Ravikumar, CR; Hussain, MF	Availability of π -Cation Radical in the Oxidative Products of Oxidovanadium Porphyrin: Significance for DNA Binding and Antibacterial Activity	2024	APPLIED ORGANOMETALLIC CHEMISTRY	38	12				10.1002/aoc.7722	WILEY	0268-2605		WoS
2355	Review	Sajeev, A; BharathwajChetty, B; Manickasamy, MK; Alqahtani, MS; Abbas, M; Shakibaei, M; Sethi, G; Ma, ZW; Kunnumakkara, AB	Nuclear receptors in ovarian cancer: changing paradigms in cancer therapeutics	2024	FRONTIERS IN ONCOLOGY	14					10.3389/fonc.2024.1383939	FRONTIERS MEDIA SA	2234-943X	Green Published, gold	WoS
2356	Article	Auplish, A; Vu, TTT; Duc, PP; Green, AC; Tiwari, H; Housen, T; Stevenson, M; Dhand, N	Investigating the workforce capacity and needs for animal disease surveillance and outbreak investigation: a mixed-methods study of veterinary services in Vietnam	2024	FRONTIERS IN VETERINARY SCIENCE	11					10.3389/fvets.2024.1410606	FRONTIERS MEDIA SA		Green Published, gold	WoS
2357	Article	Tiwari, SK; Kim, KH; Singh, RS; Lee, JC; Kim, T; Mahlknecht, J; Giri, BS; Kumar, M	A critical review on CO 2 sequestration using construction and demolition waste: Future scope and perspective	2024	ENVIRONMENTAL ENGINEERING RESEARCH	29	3				10.4491/eer.2023.256	KOREAN SOC ENVIRONMENTAL ENGINEERS - KSEE	1226-1025	gold	WoS
2358	Article	Tiwari, HK; Tan, DKY; Chinda, C; My, DNT; Hoang, HTT; Keonam, K; Huong, LQ; Chanvatanak, L; Virak, M; Tram, NT; Soulinthone, N; Phuc, PD; Nguyen, TTH; Tra, VTT; Beardsley, J	Challenges and opportunities for AMR research in the ASEAN following the One Health approach	2025	ONE HEALTH	20					10.1016/j.onehlt.2025.101001	ELSEVIER			WoS
2359	Article	Murata, F; Terao, T; Yamane, Y; Fukushima, A; Kiguchi, M; Tanoue, M; Kamimera, H; Syiemlieh, HJ; Cajee, L; Ahmed, S; Choudhury, SA; Bhattacharya, P; Bhagabati, AK; Dutta, S; Hayashi, T	Validation of Spaceborne Precipitation Radar Data by Rain Gauges and Disdrometers over the Complex Topography of the Northeastern Indian Subcontinent	2024	JOURNAL OF THE METEOROLOGICAL SOCIETY OF JAPAN	102	2	309	329		10.2151/jmsj.2024-014	METEOROLOGICAL SOC JAPAN	0026-1165	gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source
2360	Article	Bhattarai, S; Jayan, KD; Kanjariya, P; Sharma, P; Kaur, R; Madan, J; Ansari, MZ; Wabaidur, SM; Pandey, R	Investigation of dual absorbers with novel MXene doped perovskite for Extraordinary performance of perovskite solar cells	2025	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	201					10.1016/j.jpcs.2025.112643	PERGAMON-ELSEVIER SCIENCE LTD	0022-3697		WoS
2361	Review	Dey, A; Ghosh, S; Rajendran, RL; Bhuniya, T; Das, P; Bhattacharjee, B; Das, S; Mahajan, AA; Samant, A; Krishnan, A; Ahn, BC; Gangadaran, P	Alzheimer's Disease Pathology and Assistive Nanotheranostic Approaches for Its Therapeutic Interventions	2024	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	25	17				10.3390/ijms25179690	MDPI	1661-6596	gold	WoS
2362	Article	Marmolejo-Ramos, F; Marrone, R; Korolkiewicz, M; Gabriel, F; Siemens, G; Joksimovic, S; Yamada, Y; Mori, Y; Rahwan, T; Sahakyan, M; Sonna, B; Meirmanov, A; Bolatov, A; Som, B; Ndukaihe, I; Arinze, NC; Kundrat, J; Skanderová, L; Ngo, V; Nguyen, G; Lacia, M; Kung, CC; Irmayanti, M; Muktadir, A; Samosir, FT; Liuzza, MT; Giorgini, R; Khatin-Zadeh, O; Banaruee, H; Özdogru, AA; Ariyabuddhiphongs, K; Rakchai, W; Trujillo, N; Valencia, SM; Janyan, A; Kostov, K; Montoro, PR; Hinojosa, J; Medeiros, K; Hunt, TE; Posada, J; Freitag, RMK; Tejada, J	Factors influencing trust in algorithmic decision-making: an indirect scenario-based experiment	2025	FRONTIERS IN ARTIFICIAL INTELLIGENCE	7					10.3389/frai.2024.1465605	FRONTIERS MEDIA SA		gold	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source	
2363	Article	Acero, MA; Acharya, B; Adamson, P; Aliaga, L; Anfimov, N; Antoshkin, A; Arrieta-Diaz, E; Asquith, L; Aurisano, A; Back, A; Balashov, N; Baldi, P; Bambah, BA; Bat, A; Bays, K; Bernstein, R; Bezerra, TJC; 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; Cesar, JP; Chatla, A; Chaudhary, S; Chirco, R; Choudhary, BC; Christensen, A; Cicala, MF; Coan, TE; Cooleybeck, A; Cortes-Parra, C; Coveyou, D; Cremonesi, L; Davies, GS; Derwent, PF; Djurcic, Z; Dolce, M; Doyle, D; Tonguino, DD; Dukes, EC; Dye, A; Ehrlich, R; Ewart, E; Filip, P; Franc, J; Frank, MJ; Gallagher, HR; Gao, F; Giri, A; Gomes, RA; Goodman, MC; 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, DM; Kalitkina, A;	Search for CP-Violating Neutrino Nonstandard Interactions with the NOvA Experiment	2024	PHYSICAL REVIEW LETTERS	133	20					10.1103/PhysRevLett.133.201802	AMER PHYSICAL SOC	0031-9007	Green Submitted	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Page count	DOI	Publisher	ISSN	Open Access	Source	
2364	Article	Abud, AA; Abi, B; Acciarri, R; Acero, MA; Adames, MR; 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, SA; Alrashed, M; Alton, A; Alvarez, R; Amedo, P; Anderson, J; Andrade, DA; Andreopoulos, C; Andreotti, M; Andrews, MP; Andrianala, F; Andringa, S; Anfimov, N; Campanelli, WLA; Ankowski, A; Antoniassi, M; Antonova, M; Antoshkin, A; Aranda-Fernandez, A; Arellano, L; Arnold, LO; Arroyave, MA; 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, JJ; Bagaturia, I; Bagby, L; Balashov, N; Balasubramanian, S; Baldi, P; Baldini, W; Baller, B; Bambah, B; Banerjee, R; Barao, F; Barenboim, G; Alzás, PB; Barker, GJ; Barkhouse, W; Barnes, C; Barr, G; Monarca, JB; Barros, A; Barros, N; Barrow, JL; Basharina-Freshville, A;	Impact of cross-section uncertainties on supernova neutrino spectral parameter fitting in the Deep Underground Neutrino Experiment	2023	PHYSICAL REVIEW D	107	11						AMER PHYSICAL SOC	2470-0010		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
1	Conference paper	Pandey S.K.; Nair S.B.	Onboard Class Incremental Learning for Resource-Constrained scenarios using Genetic Algorithm and TinyML	2024	GECCO 2024 Companion - Proceedings of the 2024 Genetic and Evolutionary Computation Conference Companion			299	302	3	10.1145/3638530.3654392	Association for Computing Machinery, Inc	Special Interest Group on Genetic and Evolutionary Computation (ACM SIGEVO)	2024 Genetic and Evolutionary Computation Conference Companion, GECCO 2024 Companion	14 July 2024 through 18 July 2024	Melbourne		979-840070495-6		Scopus
2	Conference paper	Kaur T.; Saxena A.; Mandal P.S.; Mondal K.	Black Hole Search in Dynamic Graphs	2025	ICDCN 2025 - Proceedings of the 26th International Conference on Distributed Computing and Networking			221	230	9	10.1145/3700838.3700869	Association for Computing Machinery, Inc	ACM SigAct; Indian Association for Research in Computing Science; Marvell Technologies; Qualcomm; TIHAN IIT Hyderabad	26th International Conference on Distributed Computing and Networking, ICDCN 2025	4 January 2025 through 7 January 2025	Hyderabad		979-840071062-9	All Open Access; Green Open Access	Scopus
3	Conference paper	Singh P.; Guha P.	IDA-UIE: An Iterative Framework for Deep Network based Degradation Aware Underwater Image Enhancement	2024	ACM International Conference Proceeding Series						10.1145/3702250.3702252	Association for Computing Machinery	Adobe; et al.; LightMetrics; MINRO; Qualcomm; TCS Research	15th Indian Conference on Computer Vision, Graphics and Image Processing, ICVGIP 2024	13 December 2024 through 15 December 2024	Karnataka		979-840071075-9	All Open Access; Green Open Access	Scopus
4	Conference paper	Modak R.; Singh B.	Effect of Groundwater Level Variation on the Behavior of Piled Raft in Clay Soil	2025	AIP Conference Proceedings	3262	1				10.1063/5.0247073	American Institute of Physics	AZ Dredging LTD; Chinese Enterprises Association in Bangladesh; et al.; Holcim; Menard; Poles and Concrete LTD.	7th International Conference on Civil Engineering for Sustainable Development, ICCESD 2024	7 February 2024 through 9 February 2024	Khulna	0094243X	978-073545111-7		Scopus
5	Conference paper	Bhattacharya A.; Italiano G.F.; Mandal P.S.	Black Hole Search in Dynamic Tori	2024	Leibniz International Proceedings in Informatics, LIPIcs	292					10.4230/LIPIcs.SAND.2024.6	Schloss Dagstuhl-Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing		3rd Symposium on Algorithmic Foundations of Dynamic Networks, SAND 2024	5 June 2024 through 7 June 2024	Patras	18688969	978-395977315-7		Scopus
6	Conference paper	Kalita H.; Dandapat S.; Bora P.K.	Contextual Self-Attention Based UNet Architecture for Fluid Segmentation in Retinal OCT B-scans	2024	ACM International Conference Proceeding Series						10.1145/3702250.3702291	Association for Computing Machinery	Adobe; et al.; LightMetrics; MINRO; Qualcomm; TCS Research	15th Indian Conference on Computer Vision, Graphics and Image Processing, ICVGIP 2024	13 December 2024 through 15 December 2024	Karnataka		979-840071075-9		Scopus
7	Conference paper	Mehta S.K.; Mondal P.K.; Wongwises S.	Free convective heat transfer characteristic of hybrid nanofluid inside the solar plant with porous block	2024	AIP Conference Proceedings	3086	1				10.1063/5.0205307	American Institute of Physics		12th International Conference on Mechanical Engineering, TSME-ICoME 2022	14 December 2022 through 16 December 2022	Phuket	0094243X		All Open Access; Bronze Open Access	Scopus
8	Conference paper	Rangu G.; Nair S.	Immuno-inspired Selective Aggregation for Decentralized Federated Deep Reinforcement Learning	2024	GECCO 2024 Companion - Proceedings of the 2024 Genetic and Evolutionary Computation Conference Companion			307	310	3	10.1145/3638530.3654292	Association for Computing Machinery, Inc	Special Interest Group on Genetic and Evolutionary Computation (ACM SIGEVO)	2024 Genetic and Evolutionary Computation Conference Companion, GECCO 2024 Companion	14 July 2024 through 18 July 2024	Melbourne		979-840070495-6		Scopus
9	Conference paper	Pramanick S.; Mandal P.S.	MIS Filling and Mutual Visibility with Luminous Robot Swarm	2025	ICDCN 2025 - Proceedings of the 26th International Conference on Distributed Computing and Networking			287	288	1	10.1145/3700838.3703662	Association for Computing Machinery, Inc	ACM SigAct; Indian Association for Research in Computing Science; Marvell Technologies; Qualcomm; TIHAN IIT Hyderabad	26th International Conference on Distributed Computing and Networking, ICDCN 2025	4 January 2025 through 7 January 2025	Hyderabad		979-840071062-9		Scopus
10	Conference paper	Sain R.	Probing new physics in $\Lambda b \rightarrow \Lambda c(\rightarrow \Lambda \pi) \bar{\nu}$ decay	2024	EPJ Web of Conferences	312					10.1051/epjconf/202431204002	EDP Sciences		22nd Conference on Flavor Physics and CP Violation, FPCP 2024	27 May 2024 through 31 May 2024	Bangkok	21016275		All Open Access; Gold Open Access	Scopus
11	Conference paper	Upadhyaya A.; Mahanta C.	Frequency Based Supervisory Power Management Approach for Battery-Supercapacitor Electric Vehicle Considering Road Slope	2024	IFAC-PapersOnLine	58	10	7	13	6	10.1016/j.ifacol.2024.07.311	Elsevier B.V.	IEEE Intelligent Transportation Systems Society; International Federation of Automatic Control (IFAC) - TC 6.4. Fault Detection, Supervision and Safety of Techn. Processes - SAFEPROCESS; International Federation of Automatic Control (IFAC) - TC 7.1. Automotive Control; International Federation of Automatic Control (IFAC) - TC 7.5. Intelligent Autonomous Vehicles; International Federation of Automatic Control (IFAC) - Transportation Systems, TC 7.4.	17th IFAC Symposium on Control of Transportation Systems, CTS 2024	1 July 2024 through 3 July 2024	Ayia Napa	24058963		All Open Access; Gold Open Access	Scopus
12	Conference paper	Mehta S.K.; Mondal P.K.; Wongwises S.	Effect of Conjugate Heat Transfer on Thermo-Hydraulic Characteristics for Non-Newtonian Fluid Flow in a Wavy Solar Power Plant with Metallic Porous Blocks	2024	AIP Conference Proceedings	3236	1				10.1063/5.0236913	American Institute of Physics		13th TSME International Conference on Mechanical Engineering 2023, TSME-ICoME 2023	12 December 2023 through 15 December 2023	Chiang Mai	0094243X			Scopus
13	Conference paper	Sorathia K.; Baheti K.; Kumar N.	Design and Evaluation of Gravity's Grip: A VR-based Educational Tool Designed for Novice Users	2024	ACM International Conference Proceeding Series			147	154	7	10.1145/3681716.3681718	Association for Computing Machinery		27th International Academic Mindtrek Conference, ACADEMIC MINDTREK 2024	8 October 2024 through 11 October 2024	Tampere		979-840071823-6		Scopus
14	Conference paper	Khan A.F.; Khan A.A.; Abdelmoniem A.M.; Fountain S.; Butt A.R.; Anwar A.	FLOAT: Federated Learning Optimizations with Automated Tuning	2024	EuroSys 2024 - Proceedings of the 2024 European Conference on Computer Systems			200	218	18	10.1145/3627703.3650081	Association for Computing Machinery, Inc	ACM SIGOPS; Ant Group Research; Google; Huawei; KAUST; Red Hat	19th European Conference on Computer Systems, EuroSys 2024	22 April 2024 through 25 April 2024	Athens		979-840070437-6	All Open Access; Green Open Access	Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
15	Conference paper	Goswami P.; Bhattacharya A.; Das R.; Mandal P.S.	Perpetual Exploration of a Ring in Presence of Byzantine Black Hole	2025	Leibniz International Proceedings in Informatics, LIPIcs	324					10.4230/LIPIcs.OPODIS.2024.17	Schloss Dagstuhl-Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing		28th International Conference on Principles of Distributed Systems, OPODIS 2024	11 December 2024 through 13 December 2024	Lucca	18688969	978-395977360-7		Scopus
16	Conference paper	Daydar A.; Reddy A.K.; Kumar S.; Sur A.; Laskar H.	Med-SeAM: Medical Context Aware Self-Supervised Learning Framework for Anomaly Classification in Knee MRI	2024	ACM International Conference Proceeding Series						10.1145/3702250.3702276	Association for Computing Machinery	Adobe; et al.; LightMetrics; MINRO; Qualcomm; TCS Research	15th Indian Conference on Computer Vision, Graphics and Image Processing, ICVGIP 2024	13 December 2024 through 15 December 2024	Karnataka		979-840071075-9		Scopus
17	Conference paper	Devulapally A.; Halappanavar M.; Puri A.; Narayanan V.; Marquez A.	Using Isoefficiency as a Metric to Assess Disaggregated Memory Systems for High Performance Computing	2024	ACM International Conference Proceeding Series			192	197	5	10.1145/3695794.3695812	Association for Computing Machinery		10th International Symposium on Memory Systems, MEMSYS 2024	30 September 2024 through 3 October 2024	Washington		979-840071091-9		Scopus
18	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		979-840070363-8	All Open Access; Green Open Access	Scopus
19	Conference paper	Orra A.; Bhambu A.; Choudhary H.; Thakur M.	Dynamic Reinforced Ensemble using Bayesian Optimization for Stock Trading	2024	ICAIF 2024 - 5th ACM International Conference on AI in Finance			361	369	8	10.1145/3677052.3698595	Association for Computing Machinery, Inc		5th ACM International Conference on AI in Finance, ICAIF 2024	14 November 2024 through 17 November 2024	Brooklyn		979-840071081-0	All Open Access; Hybrid Gold Open Access	Scopus
20	Conference paper	Pandey R.; Sorathia K.	A Pilot Study on Hand-Referenced Menu User Interfaces for Head-Mounted Display Virtual Reality	2024	ACM International Conference Proceeding Series			260	263	3	10.1145/3681716.3689445	Association for Computing Machinery		27th International Academic Mindtrek Conference, ACADEMIC MINDTREK 2024	8 October 2024 through 11 October 2024	Tampere		979-840071823-6		Scopus
21	Conference paper	Verma N.; Prasad A.; Verma S.K.; Sonika; Prajapati R.N.; Kumar R.	Synthesis and characterizations of Maleic anhydride modified castor oil sustainable development of polyurethane/urea coatings	2024	AIP Conference Proceedings	3100	1				10.1063/5.0210083	American Institute of Physics	Chandigarh University	3rd Indo-European Conference on Sustainable Materials, Environment, and Construction, COSMEC 2023	27 April 2023 through 28 April 2023	Virtual, Online	0094243X			Scopus
22	Conference paper	Rai R.R.; Pal R.; Awekar A.	Compressed Models are NOT Miniature Versions of Large Models	2024	International Conference on Information and Knowledge Management, Proceedings			4005	4009	4	10.1145/3627673.3679888	Association for Computing Machinery	ACM SIGIR; ACM SIGWEB	33rd ACM International Conference on Information and Knowledge Management, CIKM 2024	21 October 2024 through 25 October 2024	Boise	21550751	979-840070436-9	All Open Access; Hybrid Gold Open Access	Scopus
23	Conference paper	Mehta S.K.; Mondal P.K.; Wongwises S.	Natural convective heat removal from the heat generating electronics component using metallic porous extensions	2024	AIP Conference Proceedings	3086	1				10.1063/5.0205306	American Institute of Physics		12th International Conference on Mechanical Engineering, TSME-ICoME 2022	14 December 2022 through 16 December 2022	Phuket	0094243X		All Open Access; Bronze Open Access	Scopus
24	Conference paper	Assegie M.A.; Das M.J.; Ingole S.A.; Sahoo N.; Kalita P.	Design and development of a packed bed (PB) heat exchanger for Isobaric and constant volume compressed air system – A study of heat characteristics of a PB element	2025	Measurement: Sensors	38					10.1016/j.measen.2024.101723	Elsevier Ltd					26659174			Scopus
25	Conference paper	Mishra S.N.; Khatua M.	Energy-Efficient Multi-Path Selection to Achieve Hard Reliability for Mission-Critical Data Transmission in Industrial IoT	2025	International Conference on Communication Systems and Networks, COMSNETS		2025	1183	1188	5	10.1109/COMSNETS63942.2025.10885735	Institute of Electrical and Electronics Engineers Inc.		17th International Conference on COMMunication Systems and NETworkS, COMSNETS 2025	6 January 2025 through 10 January 2025	Bengaluru	21552487	979-833153119-5		Scopus
26	Conference paper	Kumari V.; Ganguly S.	A Mixed Integer Linear Optimization Model to Restore the Operation of Power Distribution Networks After High Impact Low Probability Failure Events	2025	Lecture Notes in Mechanical Engineering			417	425	8	10.1007/978-981-96-1158-4_44	Springer Science and Business Media Deutschland GmbH	DST#; Ministry of Heavy Industries and Public Enterprises#; SERB#; TIDF#	6th National Conference on Advances in Multidisciplinary Design, Analysis and Optimization, NCMDAO 2023	6 December 2023 through 8 December 2023	Guwahati	21954356	978-981961157-7		Scopus
27	Conference paper	Verma S.; Sharma N.; Trivedi G.	Geotagging in Livestock Farming: AI-Based Technologies, Applications, and Challenges	2025	Lecture Notes in Networks and Systems	1073		203	212	9	10.1007/978-981-97-5703-9_16	Springer Science and Business Media Deutschland GmbH		4th International Conference on Emerging Trends and Technologies on Intelligent Systems, ETTIS 2024	27 March 2024 through 28 March 2024	Noida	23673370	978-981975702-2		Scopus
28	Conference paper	Mishra A.; Anand A.; Guha P.	Visual Question Answering with Cascade of Self- and Co-Attention Blocks	2025	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	15319 LNCS		20	36	16	10.1007/978-3-031-78495-8_2	Springer Science and Business Media Deutschland GmbH		27th International Conference on Pattern Recognition, ICPR 2024	1 December 2024 through 5 December 2024	Kolkata	3029743	978-303178494-1		Scopus
29	Conference paper	Aswathy N.S.; Verma H.; Kapoor H.K.	Optimizing Bandwidth Utilization Through Word Based Compression in Main Memories	2025	Proceedings of the IEEE International Conference on VLSI Design			91	96	5	10.1109/VLSID64188.2025.00029	IEEE Computer Society		38th International Conference on VLSI Design, VLSID 2025	4 January 2025 through 8 January 2025	Bengaluru	10639667	979-833152244-5		Scopus
30	Conference paper	Sharma N.; Trivedi Y.; Tripathi V.; Dewri B.; Shekhawat H.S.; Neog R.; Yadav A.	Classification, Designs, and Different Factors Involved in an Aquaponics System: A Review	2025	Lecture Notes in Networks and Systems	1073		427	442	15	10.1007/978-981-97-5703-9_36	Springer Science and Business Media Deutschland GmbH		4th International Conference on Emerging Trends and Technologies on Intelligent Systems, ETTIS 2024	27 March 2024 through 28 March 2024	Noida	23673370	978-981975702-2		Scopus
31	Conference paper	Mazumdar R.I.; Dasgupta A.; Bhowmick P.	SafeDriveMetrics - A Comprehensive Database for Visual, Cognitive, and Manual Distractions Using a Driving Simulator	2025	Proceedings of 2025 3rd International Conference on Intelligent Systems, Advanced Computing, and Communication, ISACC 2025			704	709	5	10.1109/ISACC65211.2025.10969216	Institute of Electrical and Electronics Engineers Inc.		3rd International Conference on Intelligent Systems, Advanced Computing, and Communication, ISACC 2025	27 February 2025 through 28 February 2025	Silchar		979-833152389-3		Scopus

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
32	Conference paper	Panda S.; Ganguly S.	Reconfiguration of Power Distribution Networks for Energy Loss Minimization Using Mixed Integer Programming	2025	Lecture Notes in Mechanical Engineering			383	391	8	10.1007/978-981-96-1158-4_40	Springer Science and Business Media Deutschland GmbH	DST#; Ministry of Heavy Industries and Public Enterprises#; SERB#; TIDF#	6th National Conference on Advances in Multidisciplinary Design, Analysis and Optimization, NCMDAO 2023	6 December 2023 through 8 December 2023	Guwahati	21954356	978-981961157-7		Scopus
33	Conference paper	Sood R.; Chaudhari A.; Laishram B.	Applications of BIM in Support of Sustainable and Green Building	2025	Lecture Notes in Civil Engineering	238 LNCE		201	222	21	10.1007/978-981-97-7206-3_17	Springer Science and Business Media Deutschland GmbH		7th International Conference on Construction, Real Estate, Infrastructure, and Project Management, ICCRIP 2023	11 August 2023 through 12 August 2023	Pune	23662557	978-981977205-6		Scopus
34	Meeting Abstract	Ojha, P; Kashyap, N	Cue modality in prospective memory performance	2024	INTERNATIONAL JOURNAL OF PSYCHOLOGY	59		139	139			JOHN WILEY & SONS LTD					0020-7594			WoS
35	Proceedings Paper	Bhattacharya, A; Italiano, GF; Mandal, PS	Black Hole Search in Dynamic Cactus Graph	2024	WALCOM: ALGORITHMS AND COMPUTATION, WALCOM 2024	14549		288	303		10.1007/978-981-97-0566-5_21	SPRINGER-VERLAG SINGAPORE PTE LTD		18th International Conference and Workshops on Algorithms and Computation (WALCOM)	MAR 18-20, 2024	Kanazawa, JAPAN	0302-9743	978-981-97-0565-8; 978-981-97-0566-5		WoS
36	Proceedings Paper	Maddala, K; Mali, B; Karfa, C	LAAG-RV: LLM Assisted Assertion Generation for RTL Design Verification	2024	2024 IEEE 8TH INTERNATIONAL TEST CONFERENCE INDIA, ITC INDIA 2024			38	43		10.1109/ITCINDIA62949.2024.10651860	IEEE		8th IEEE International Test Conference India (ITC India)	JUL 21-23, 2024	Bangalore, INDIA	2833-8383	979-8-3503-5260-3; 979-8-3503-5259-7	Green Submitted	WoS
37	Proceedings Paper	Sain, R	Probing new physics in $\Lambda b \rightarrow \Lambda c(\rightarrow \Lambda \pi p) \tau(\nu)$ over-bar decay	2024	22ND CONFERENCE ON FLAVOR PHYSICS AND CP VIOLATION, FPCP 2024	312					10.1051/epjconf/202431204002	E D P SCIENCES		22nd Conference on Flavor Physics and CP Violation	MAY 27-31, 2024	Chulalongkorn University, Bangkok, THAILAND	2100-014X		gold	WoS
38	Proceedings Paper	Pandey, S	Neuroevolution of a Multi-Generator GAN (Student Abstract)	2024	THIRTY-EIGHT AAAI CONFERENCE ON ARTIFICIAL INTELLIGENCE, VOL 38 NO 21			23608	####			ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE		38th AAAI Conference on Artificial Intelligence (AAAI) / 36th Conference on Innovative Applications of Artificial Intelligence / 14th Symposium on Educational Advances in Artificial Intelligence	FEB 20-27, 2024	Vancouver, CANADA	2159-5399			WoS
39	Proceedings Paper	Pramanick, A; Megha, D; Sur, A	ATTENTION-BASED SPATIAL-FREQUENCY INFORMATION NETWORK FOR UNDERWATER SINGLE IMAGE SUPER-RESOLUTION	2024	2024 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, ICASSP 2024			3560	3564		10.1109/ICASSP48485.2024.10448241	IEEE		49th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)	APR 14-19, 2024	Seoul, SOUTH KOREA	1520-6149	979-8-3503-4486-8; 979-8-3503-4485-1		WoS
40	Proceedings Paper	Puri, A; Banerjee, A; Jose, J; Venkatesh, T	Understanding the Performance Impact of Queue-Based Resource Allocation in Scalable Disaggregated Memory Systems	2023	2023 IEEE 16TH INTERNATIONAL SYMPOSIUM ON EMBEDDED MULTICORE/MANY-CORE SYSTEMS-ON-CHIP, MCSOC			317	324		10.1109/MCSOC60832.2023.00054	IEEE COMPUTER SOC		16th IEEE International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoc)	DEC 18-21, 2023	Singapore Univ Technol & Design, Singapore, SINGAPORE	2771-3067	979-8-3503-9361-3		WoS
41	Proceedings Paper	Ganapathi, P; Sorathia, K	An Elicitation Study of Body Gestures for Locomotion in HMD-VR Interfaces in a Sitting-Position	2019	PROCEEDINGS OF THE 12TH ACM SIGGRAPH CONFERENCE ON MOTION, INTERACTION AND GAMES, MIG 2019						10.1145/3359566.3360059	ASSOC COMPUTING MACHINERY		Conference on Motion, Interaction and Games (MIG)	OCT 28-30, 2019	Newcastle upon Tyne, ENGLAND		978-1-4503-6994-7		WoS
42	Proceedings Paper	Bharti, K; Haque, S; Das, PK	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	IEEE		15th International Conference on Signal Processing and Communications (SPCOM)	JUL 01-04, 2024	Indian Inst Sci, Bangalore, INDIA	2474-9168	979-8-3503-5046-3; 979-8-3503-5045-6		WoS
43	Proceedings Paper	Das, M; Parihar, K; Buragohain, M; Nandi, S	Design and Implementation of a Neighbor Discovery Framework through Base Station coordination for 5G D2D Communications	2024	2024 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, WCNC 2024						10.1109/WCNC57260.2024.10570614	IEEE		IEEE Wireless Communications and Networking Conference (IEEE WCNC)	APR 21-24, 2024	Dubai, UARAB EMIRATES	1525-3511	979-8-3503-0358-2; 979-8-3503-0359-9		WoS
44	Proceedings Paper	Karmakar, P; Bharani, M; Karfa, C	Evaluating the Robustness of Large scale eFPGA-based Hardware Redaction	2024	PROCEEDINGS OF THE 37TH INTERNATIONAL CONFERENCE ON VLSI DESIGN, VLSID 2024 AND 23RD INTERNATIONAL CONFERENCE ON EMBEDDED SYSTEMS, ES 2024			517	522		10.1109/VLSID60093.2024.00092	IEEE COMPUTER SOC		37th International Conference on VLSI Design (VLSID) / 23rd International Conference on Embedded Systems (ES)	JAN 06-10, 2024	Kolkata, INDIA	1063-9667	979-8-3503-8440-6		WoS
45	Proceedings Paper	Singh, M; Kumar, S; Tanveen; Singh, SR	ClusterCore at SemEval-2024 Task 7: Few Shot PromptingWith Large Language Models for Numeral-Aware Headline Generation	2024	PROCEEDINGS OF THE 18TH INTERNATIONAL WORKSHOP ON SEMANTIC EVALUATION, SEMEVAL-2024			1719	1726			ASSOC COMPUTATIONAL LINGUISTICS-ACL		18th International Workshop on Semantic Evaluation (SemEval)	JUN 20-21, 2024	Mexico City, MEXICO		979-8-89176-107-0		WoS
46	Proceedings Paper	Singhal, B; Mazhar, S; Bhuyan, MK	Real Time Video Stitching Using Fixed Camera Configuration	2024	COMPUTER VISION AND IMAGE PROCESSING, CVIP 2023, PT II	2010		555	566		10.1007/978-3-031-58174-8_46	SPRINGER INTERNATIONAL PUBLISHING AG		8th International Conference on Computer Vision and Image Processing (CVIP)	NOV 03-05, 2023	Indian Inst Tech Jammu, Jammu, INDIA	1865-0929	978-3-031-58173-1; 978-3-031-58174-8		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
47	Proceedings Paper	Arya, D; Rawat, U; Kulkarni, R; Mondal, PK; Guha, P	3-D Printed Compact and Cost-effective Lens-less Digital Inline Holographic Microscopy Setup for Bio-imaging Applications	2024	PRACTICAL HOLOGRAPHY XXXVIII:DISPLAYS, MATERIALS, AND APPLICATIONS	12910					10.1117/12.3002384	SPIE-INT SOC OPTICAL ENGINEERING		Conference on Practical Holography XXXVIII - Displays, Materials, and Applications	JAN 30-31, 2024	San Francisco , CA	0277-786X	978-1-5106-7081-5; 978-1-5106-7080-8		WoS
48	Proceedings Paper	Kenkireth, BG; Malhotra, AS	On Word-Representable and Multi-word-Representable Graphs	2023	DEVELOPMENTS IN LANGUAGE THEORY, DLT 2023	13911		156	167		10.1007/978-3-031-33264-7_13	SPRINGER INTERNATIONAL PUBLISHING AG		27th International Conference on Developments in Language Theory (DLT)	JUN 12-16, 2023	Umea, SWEDEN	0302-9743	978-3-031-33263-0; 978-3-031-33264-7		WoS
49	Proceedings Paper	Phukon, M; Shrivastava, A	Effect of Speech Entrainment in Human-Computer Conversation: A Review	2024	INTELLIGENT HUMAN COMPUTER INTERACTION, IHCI 2023, PT I	14531		32	43		10.1007/978-3-031-53827-8_4	SPRINGER INTERNATIONAL PUBLISHING AG		15th International Conference on Intelligent Human-Computer Interaction (IHCI)	NOV 08-10, 2023	Daegu, SOUTH KOREA	0302-9743	978-3-031-53826-1; 978-3-031-53827-8		WoS
50	Proceedings Paper	Ganvir, L; Kalita, P; Jansari, S	SHAPING SMART HOME PRODUCT SERVICE SYSTEM (SH-PSS) REFLECTION CRITERIA CARDS FOR 'TILES IOT INVENTOR TOOLKIT'	2023	PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION, E&PDE 2023	123		673	678			DESIGN SOC		25TH INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION (E&PDE)	SEP 07-08, 2023	Barcelon a, SPAIN	3005-4753	978-1-912254-19-4		WoS
51	Proceedings Paper	Jana, S; Mandal, PS	Approximation Algorithms for Drone Delivery Scheduling Problem	2023	NETWORKED SYSTEMS, NETYS 2023	14067		125	140		10.1007/978-3-031-37765-5_10	SPRINGER INTERNATIONAL PUBLISHING AG		11th International Conference on Networked Systems (NETYS)	MAY 22-24, 2023	Bengueri r, MOROCC O	0302-9743	978-3-031-37764-8; 978-3-031-37765-5		WoS
52	Proceedings Paper	Aswathy, NS; Kapoor, HK	Write Intensity based Foresightful Page Migration for Hybrid memories	2024	2024 25TH INTERNATIONAL SYMPOSIUM ON QUALITY ELECTRONIC DESIGN, ISQED 2024						10.1109/ISQED60706.2024.10528735	IEEE		25th International Symposium on Quality Electronic Design (ISQED)	APR 03-05, 2024	San Francisco , CA	1948-3287	979-8-3503-0927-0; 979-8-3503-0928-7		WoS
53	Proceedings Paper	Boddepalli, U; Panda, B; Gandhi, ISR	Impact of Water to Solids Ratio on Stability, Printability, and Mechanical Characteristics of 3D Printable Foam Concrete	2024	CONSTRUCTION 3D PRINTING, 4-IC3DCP CONFERENCE 2023			165	173		10.1007/978-3-031-64269-2_21	SPRINGER INTERNATIONAL PUBLISHING AG		4th International Conference on 3D Construction Printing (4-IC3DcP)	JUL 19-21, 2023	Nanyang Technol Univ, SINGAPO RE	2730-9576	978-3-031-64271-5; 978-3-031-64269-2; 978-3-031-64268-5		WoS
54	Proceedings 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	IEEE		15th International Conference on Signal Processing and Communications (SPCOM)	JUL 01-04, 2024	Indian Inst Sci, Bangalor e, INDIA	2474-9168	979-8-3503-5046-3; 979-8-3503-5045-6		WoS
55	Proceedings Paper	Nankani, D; Maurya, S; Baruah, RD	Model Compression Techniques for Atrial Fibrillation Detection on Mobile Devices	2024	PATTERN RECOGNITION AND MACHINE INTELLIGENCE, PREMI 2021	13102		242	250		10.1007/978-3-031-12700-7_25	SPRINGER INTERNATIONAL PUBLISHING AG		9th International Conference on Pattern Recognition and Machine Intelligence (PREMI)	DEC 15-18, 2021	ELECTR NETWORK K	0302-9743	978-3-031-12699-4; 978-3-031-12700-7		WoS
56	Proceedings Paper	Panigrahi, P; Rao, VR; Singha, TB; Karfa, C	SRIL: Securing Registers from Information Leakage at Register Transfer Level	2024	PROCEEDINGS OF THE 37TH INTERNATIONAL CONFERENCE ON VLSI DESIGN, VLSID 2024 AND 23RD INTERNATIONAL CONFERENCE ON EMBEDDED SYSTEMS, ES 2024			492	498		10.1109/VLSID60093.2024.00088	IEEE COMPUTER SOC		37th International Conference on VLSI Design (VLSID) / 23rd International Conference on Embedded Systems (ES)	JAN 06-10, 2024	Kolkata, INDIA	1063-9667	979-8-3503-8440-6		WoS
57	Meeting Abstract	Bhar, B; Mandal, BB	Rapid Prototyping Of Silk-based Bioprinted Immunocompetent Skin Model: An Advanced Pre-clinical Platform For Skin Sensitization Assessments	2024	TISSUE ENGINEERING PART A	30	15-16	S192	S193			MARY ANN LIEBERT, INC		7th TERMIS World Congress	JUN 25-28, 2024	Seattle, WA	1937-3341			WoS
58	Proceedings Paper	Zaidi, S; Singh, P; Guha, P	Designing a U-Net Architecture for Underwater Image Enhancement	2024	2024 NATIONAL CONFERENCE ON COMMUNICATIONS, NCC						10.1109/NCC60321.2024.10485836	IEEE		30th National Conference on Communications (NCC)	FEB 28-MAR 02, 2024	Chennai, INDIA		979-8-3503-5922-0		WoS
59	Proceedings Paper	Mali, BV; Kalita, PC; Sharma, S	UNDERSTANDING MATERIAL CULTURE: EMOTIONS, MAKING AND VALUE, A PRODUCT DESIGNER'S PERSPECTIVE	2023	PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION, E&PDE 2023	123		337	342			DESIGN SOC		25TH INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION (E&PDE)	SEP 07-08, 2023	Barcelon a, SPAIN	3005-4753	978-1-912254-19-4		WoS
60	Proceedings Paper	Samant, R; Suresh, R; Deshmukh, OS; Thangavel, R	Rapid Electrochemical Impedance Spectroscopy via Continuous Amplitude Envelope of Chirp Signal on Li-ion 21700 battery	2024	9TH INTERNATIONAL YOUTH CONFERENCE ON ENERGY, IYCE 2024						10.1109/IYCE60333.2024.10634955	IEEE		9th International Youth Conference on Energy (IYCE)	JUL 02-06, 2024	Colmar, FRANCE	2770-8500	979-8-3503-7239-7; 979-8-3503-7238-0		WoS
61	Proceedings Paper	Sarma, S; Kalkar, P; Sur, A	BOOSTING ZERO-SHOT HUMAN-OBJECT INTERACTION DETECTION WITH VISION-LANGUAGE TRANSFER	2024	2024 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, ICASSP 2024			6355	6359		10.1109/ICASSP48485.2024.10445910	IEEE		49th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)	APR 14-19, 2024	Seoul, SOUTH KOREA	1520-6149	979-8-3503-4486-8; 979-8-3503-4485-1		WoS
62	Proceedings Paper	Terhijja, V; Sarmah, P	Voiced and voiceless laterals in Angami	2024	INTERSPEECH 2024			3704	3708		10.21437/Interspeech.2024-2361	ISCA-INT SPEECH COMMUNICATION ASSOC		25th Interspeech Conference	SEP 01-05, 2024	Kos, GREECE	2308-457X			WoS
63	Proceedings Paper	Ratti, R; Singh, SR; Nandi, S	Network based Intrusion Detection using Time aware LSTM Autoencoder	2024	2023 IEEE 22ND INTERNATIONAL CONFERENCE ON TRUST, SECURITY AND PRIVACY IN COMPUTING AND COMMUNICATIONS, TRUSTCOM, BIGDATASE, CSE, EUC, ISCI 2023			2570	2578		10.1109/TrustCom60117.2023.00359	IEEE COMPUTER SOC		IEEE 22nd International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom) / BigDataSE Conference / CSE Conference / EUC Conference / ISCI Conference	NOV 01-03, 2023	Exeter, ENGLAN D	2324-898X	979-8-3503-8199-3; 979-8-3503-8200-6		WoS
64	Proceedings Paper	Saraswat, P; Arrawatia, M; Bhattacharjee, R	Doherty Power Amplifier based TR front end network for 5G mm-wave Applications	2024	2024 22ND IEEE INTERREGIONAL NEWCAS CONFERENCE, NEWCAS 2024			213	217		10.1109/NEWCAS58973.2024.10666333	IEEE		22nd IEEE Interregional NEWCAS Conference (NEWCAS)	JUN 16-19, 2024	Sherbrooke, CANADA	2472-467X	979-8-3503-6176-6; 979-8-3503-6175-9		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
65	Proceedings Paper	Barman, SR; Mahanta, S; Sharma, NK	Deciphering Assamese Vowel Harmony with Featural InfoWaveGAN	2024	INTERSPEECH 2024			1510	1514		10.21437/Interspeech.2024-1990	ISCA-INT SPEECH COMMUNICATION ASSOC		25th Interspeech Conference	SEP 01-05, 2024	Kos, GREECE	2308-457X		Green Submitted	WoS
66	Proceedings Paper	Mazhar, S; Atif, N; Bhuyan, MK; Ahamed, SR	S-Net: A Lightweight Real-Time Semantic Segmentation Network for Autonomous Driving	2024	COMPUTER VISION AND IMAGE PROCESSING, CVIP 2023, PT II	2010		147	159		10.1007/978-3-031-58174-8_14	SPRINGER INTERNATIONAL PUBLISHING AG		8th International Conference on Computer Vision and Image Processing (CVIP)	NOV 03-05, 2023	Indian Inst Tech Jammu, Jammu, INDIA	1865-0929	978-3-031-58173-1; 978-3-031-58174-8		WoS
67	Proceedings Paper	Sarma, NJ; Dey, A	Finite Element Study of Unreinforced and Reinforced Unpaved Roads Subjected to Repetitive Vehicular Loading	2025	PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON TRANSPORTATION GEOTECHNICS, VOL 8, ICTG 2024	409		1	9		10.1007/978-981-97-8241-3_1	SPRINGER-VERLAG SINGAPORE PTE LTD		5th International Conference on Transportation Geotechnics	NOV 20-22, 2024	Sydney, AUSTRALIA	2366-2557	978-981-97-8243-7; 978-981-97-8241-3; 978-981-97-8240-6		WoS
68	Proceedings Paper	Anwar, Z; Longchar, I; Kapoor, HK	Bit-Beading: Stringing bit-level MAC results for Accelerating Neural Networks	2024	PROCEEDINGS OF THE 37TH INTERNATIONAL CONFERENCE ON VLSI DESIGN, VLSID 2024 AND 23RD INTERNATIONAL CONFERENCE ON EMBEDDED SYSTEMS, ES 2024			216	221		10.1109/VLSID60093.2024.00042	IEEE COMPUTER SOC		37th International Conference on VLSI Design (VLSID) / 23rd International Conference on Embedded Systems (ES)	JAN 06-10, 2024	Kolkata, INDIA	1063-9667	979-8-3503-8440-6		WoS
69	Proceedings Paper	Kumar, S; Phukan, A; Sur, A	IPCL: ITERATIVE PSEUDO-SUPERVISED CONTRASTIVE LEARNING TO IMPROVE SELF-SUPERVISED FEATURE REPRESENTATION	2024	2024 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, ICASSP 2024			6270	6274		10.1109/ICASSP48485.2024.10447607	IEEE		49th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)	APR 14-19, 2024	Seoul, SOUTH KOREA	1520-6149	979-8-3503-4486-8; 979-8-3503-4485-1		WoS
70	Proceedings Paper	Babu, NM; Mishra, AK	Impact of Waste Tire Fibre on the Hydro-Mechanical Behaviour of Black Cotton Soil Under Different Pore Fluids	2024	SUSTAINABLE CONSTRUCTION RESOURCES IN GEOTECHNICAL ENGINEERING, CREST 2023	448		173	183		10.1007/978-981-99-9227-0_17	SPRINGER-VERLAG SINGAPORE PTE LTD		2nd International Conference on Construction Resources for Environmentally Sustainable Technologies (CREST)	NOV 20-22, 2023	Kyushu Univ, Fukuoka, JAPAN	2366-2557	978-981-99-9229-4; 978-981-99-9227-0; 978-981-99-9226-3		WoS
71	Meeting Abstract	Dey, S; Mehra, P; Jaiswal, C; Bhar, B; Mandal, BB	3D Bioprinted Microphysiological In Vitro Osteochondral Model To Study Osteoarthritic Niche	2024	TISSUE ENGINEERING PART A	30	15-16	S193	S193			MARY ANN LIEBERT, INC		7th TERMIS World Congress	JUN 25-28, 2024	Seattle, WA	1937-3341			WoS
72	Proceedings Paper	Batra, A; Shrivastava, P; Das, PK	Does Data Balancing Impact Stutter Detection and Classification?	2025	DISTRIBUTED COMPUTING AND INTELLIGENT TECHNOLOGY, ICDCIT 2025	15507		209	224		10.1007/978-3-031-81404-4_16	SPRINGER INTERNATIONAL PUBLISHING AG		21st International Conference on Distributed Computing and Intelligent Technology	JAN 08-11, 2025	KIIT University, Bhubaneswar, INDIA	0302-9743	978-3-031-81403-7; 978-3-031-81404-4		WoS
73	Proceedings Paper	Das, S; Kalita, P	EXPLORING THE EFFECTS OF SYNTHETIC GASEOUS FUELS ON THE PERFORMANCE, COMBUSTION, AND EMISSION CHARACTERISTICS OF A DUAL FUEL DIESEL ENGINE	2023	PROCEEDINGS OF ASME 2023 GAS TURBINE INDIA CONFERENCE, GTINDIA2023							AMER SOC MECHANICAL ENGINEERS		8th Biennial ASME Gas Turbine India Conference (GTINDIA) - Power and Propulsion - A Sustainable Future	DEC 07-08, 2023	Infosys, Bangalore, INDIA		978-0-7918-8772-1		WoS
74	Proceedings Paper	Venkatesh, K; Acharya, S	FROM AN INDIVIDUAL TO THE INSTITUTE: A CASE OF 'MULTI-USER CENTRIC CODESIGN' APPROACH IN DESIGNING SOLUTIONS FOR CHILDREN WITH SPECIAL NEEDS IN RESOURCE-CONSTRAINT SETTINGS	2023	PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION, E&PDE 2023	123		685	690			DESIGN SOC		25TH INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION (E&PDE)	SEP 07-08, 2023	Barcelona, SPAIN	3005-4753	978-1-912254-19-4		WoS
75	Proceedings Paper	Tripathi, AM; Baruah, RD	Incremental Cauchy Non-Negative Matrix Factorization and Fuzzy Rule-based Classifier for Acoustic Source Separation	2019	2019 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS, FUZZ-IEEE						10.1109/FUZZ-IEEE.2019.8858829	IEEE		IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)	JUN 23-26, 2019	New Orleans, LA	1544-5615	978-1-5386-1728-1		WoS
76	Proceedings Paper	Islam, A; Ghose, M	ELITE: Energy and Latency-Optimized Task Offloading for DVFS-Enabled Resource-Constrained Devices in MEC	2024	DISTRIBUTED COMPUTING AND INTELLIGENT TECHNOLOGY, ICDCIT 2024	14501		50	67		10.1007/978-3-031-50583-6_4	SPRINGER INTERNATIONAL PUBLISHING AG		20th International Conference on Distributed Computing and Intelligent Technology (ICDCIT)	JAN 17-20, 2024	Kalinga Institute of Technology, School of Computer Engineering, Bhubaneswar, INDIA	0302-9743	978-3-031-50582-9; 978-3-031-50583-6		WoS
77	Proceedings Paper	Karmakar, P; Singh, A; Sharma, K; Karfa, C; Bhattachar, S	NoBALL: A Novel BDD-based Attack against Logic Locking	2024	8TH INTERNATIONAL TEST CONFERENCE IN ASIA, ITC-ASIA 2024						10.1109/ITC-Asia62534.2024.10661361	IEEE		8th IEEE International Test Conference in Asia (ITC-Asia)	AUG 18-20, 2024	Changsha, PEOPLES R CHINA	2768-0681	979-8-3315-4034-0; 979-8-3315-4033-3		WoS
78	Proceedings Paper	Karmakar, P; Nauni, D; Karfa, C	Analyzing Area and Latency Overhead in C and RTL Locked Designs	2024	2023 IEEE ASIA PACIFIC CONFERENCE ON POSTGRADUATE RESEARCH IN MICROELECTRONICS AND ELECTRONICS, PRIMEASIA 2023			35	39		10.1109/PRIMEAsia60757.2023.00019	IEEE COMPUTER SOC		2023 Asia-Pacific Conference on Postgraduate Research in Microelectronics and Electronics	NOV 19-22, 2023	Hyderabad, INDIA	2159-2144	979-8-3503-7098-0; 979-8-3503-7097-3		WoS
79	Proceedings Paper	Roy, S; Sarkar, S; Sahu, A	Profit Maximization using Collaborative Storage Management in Multi-tier Edge-Cloud System	2023	2023 IEEE 30TH INTERNATIONAL CONFERENCE ON HIGH PERFORMANCE COMPUTING, DATA, AND ANALYTICS, HIPC 2023			309	318		10.1109/HIPC58850.2023.00048	IEEE COMPUTER SOC		30th International Conference on High Performance Computing, Data, and Analytics (HiPC)	DEC 18-21, 2023	Goa, INDIA	1094-7256	979-8-3503-8322-5		WoS
80	Meeting Abstract	Bandyopadhyay, A; Bhar, B; Mandal, BB	Evaluating Ultrasound Augmented Healing Potential Of Autologous Growth Factor Loaded 3d Printed Photopolymerized Silk-based Constructs For Meniscus Tears	2024	TISSUE ENGINEERING PART A	30	15-16	S480	S481			MARY ANN LIEBERT, INC		7th TERMIS World Congress	JUN 25-28, 2024	Seattle, WA	1937-3341			WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
81	Proceedings Paper	Chakraborty, J; Sinha, R; Sarmah, P	Effects of Rate of Articulation in Rhythm Formant Analysis-based Dialect Classification	2024	2024 INTERNATIONAL CONFERENCE ON ASIAN LANGUAGE PROCESSING, IALP 2024			417	422		10.1109/IALP63756.2024.10661171	IEEE		28th International Conference on Asian Language Processing (IALP)	AUG 04-06, 2024	Chinese & Oriental Languages Informatics Proc Soc, Hohhot, PEOPLES R CHINA	2159-1962	979-8-3315-4086-9; 979-8-3315-4085-2		WoS
82	Proceedings Paper	Verma, A; Barfa, P; Kulkarni, V	Self-Actuating Flap for Fixed Wing Micro Air Vehicle	2019	PROCEEDINGS OF THE 25TH NATIONAL AND 3RD INTERNATIONAL ISHMT-ASTFE HEAT AND MASS TRANSFER CONFERENCE, IHMTC 2019							BEGELL HOUSE, INC		25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC)	DEC 28-31, 2019	Roorkee, INDIA	2688-7231	978-1-56700-496-0		WoS
83	Meeting Abstract	Tripathi, N	The future of work: Trends, challenges, and leadership perspectives in a changing global economy	2024	INTERNATIONAL JOURNAL OF PSYCHOLOGY	59		388	389			JOHN WILEY & SONS LTD					0020-7594			WoS
84	Proceedings Paper	Ratti, R; Singh, SR; Nandi, S	Protocol Aware Unsupervised Network Intrusion Detection System	2024	2023 IEEE 22ND INTERNATIONAL CONFERENCE ON TRUST, SECURITY AND PRIVACY IN COMPUTING AND COMMUNICATIONS, TRUSTCOM, BIGDATASE, CSE, EUC, ISCI 2023			1524	1531		10.1109/TrustCom60117.2023.00208	IEEE COMPUTER SOC		IEEE 22nd International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom) / BigDataSE Conference / CSE Conference / EUC Conference / ISCI Conference	NOV 01-03, 2023	Exeter, ENGLAND	2324-898X	979-8-3503-8199-3; 979-8-3503-8200-6		WoS
85	Proceedings Paper	Pramanick, A; Sarma, S; Sur, A	X-CAUNET: CROSS-COLOR CHANNEL ATTENTION WITH UNDERWATER IMAGE-ENHANCING TRANSFORMER	2024	2024 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, ICASSP 2024			3550	3554		10.1109/ICASSP48485.2024.10445832	IEEE		49th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)	APR 14-19, 2024	Seoul, SOUTH KOREA	1520-6149	979-8-3503-4486-8; 979-8-3503-4485-1		WoS
86	Proceedings Paper	Rajan, M; Phadke, A; Sankar, S; Jose, J	Handling Packet Blocking Attack in NoC using Traffic Snooping	2024	2024 IEEE INTERNATIONAL CONFERENCE ON OMNI-LAYER INTELLIGENT SYSTEMS, COINS 2024			357	362		10.1109/COINS61597.2024.10622599	IEEE		IEEE International Conference on Omni-Layer Intelligent Systems (IEEE COINS)	JUL 29-31, 2024	London, ENGLAND	2996-5322	979-8-3503-4960-3; 979-8-3503-4959-7		WoS
87	Proceedings Paper	Sarma, S	Zero-Shot Learning for Computer Vision Applications	2023	PROCEEDINGS OF THE 31ST ACM INTERNATIONAL CONFERENCE ON MULTIMEDIA, MM 2023			9360	9364		10.1145/3581783.3613435	ASSOC COMPUTING MACHINERY		31st ACM International Conference on Multimedia (MM)	OCT 29-NOV 03, 2023	Ottawa, CANADA		979-8-4007-0108-5		WoS
88	Proceedings Paper	Behera, SR; Saradhi, VV	Learning Strength and Weakness Rules of Cricket Players Using Association Rule Mining	2022	MACHINE LEARNING AND DATA MINING FOR SPORTS ANALYTICS, MLSA 2021	1571		79	92		10.1007/978-3-031-02044-5_7	SPRINGER INTERNATIONAL PUBLISHING AG		8th International Workshop on Machine Learning and Data Mining for Sports Analytics (MLSA)	SEP 13-13, 2021	ELECTR NETWORK K	1865-0929	978-3-031-02043-8; 978-3-031-02044-5		WoS
89	Proceedings Paper	Behera, SR; Saradhi, VV	Stats Aren't Everything: Learning Strengths and Weaknesses of Cricket Players	2020	MACHINE LEARNING AND DATA MINING FOR SPORTS ANALYTICS, MLSA 2020	1324		79	88		10.1007/978-3-030-64912-8_7	SPRINGER INTERNATIONAL PUBLISHING AG		7th International Workshop on Machine Learning and Data Mining for Sports Analytics (MLSA)	SEP 14-18, 2020	Ghent, BELGIUM	1865-0929	978-3-030-64911-1; 978-3-030-64912-8		WoS
90	Meeting Abstract	Kashyap, N	Comparing false memories in prospective and retrospective memory paradigms	2024	INTERNATIONAL JOURNAL OF PSYCHOLOGY	59		136	136			JOHN WILEY & SONS LTD					0020-7594			WoS
91	Proceedings Paper	Basumatary, H; Sarkar, TT; Hazarika, SM	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			363	368		10.1109/MMAR62187.2024.10680774	IEEE		28th International Conference on Methods and Models in Automation and Robotics (MMAR)	AUG 27-30, 2024	Miedzyzdroje, POLAND	2835-2815	979-8-3503-6235-0; 979-8-3503-6234-3		WoS
92	Proceedings Paper	Rout, S; Das, GK	Semi-total Domination in Unit Disk Graphs	2024	ALGORITHMS AND DISCRETE APPLIED MATHEMATICS, CALDAM 2024	14508		117	129		10.1007/978-3-031-52213-0_9	SPRINGER INTERNATIONAL PUBLISHING AG		10th International Conference on Algorithms and Discrete Applied Mathematics (CALDAM)	FEB 15-17, 2024	Indian Inst Technol Bhilai, Bhilai, INDIA	0302-9743	978-3-031-52212-3; 978-3-031-52213-0		WoS
93	Proceedings Paper	Bishnoi, D; Chaturvedi, H	Techno-Economic Analysis of Hybrid Energy System for Efficient Utilization of Waste Flare Gas from Oil and Gas Fields	2021	2021 9TH INTERNATIONAL CONFERENCE ON SMART GRID, ICSMARTGRID			201	206		10.1109/ICSMARTGRID52357.2021.9551026	IEEE		9th International Conference on Smart Grid (icSmartGrid)	JUN 29-JUL 01, 2021	Setubal, PORTUGAL		978-1-6654-4532-0; 978-1-6654-4531-3		WoS
94	Proceedings Paper	Routray, L; Shrivastava, A; Sarmah, P	Enhancing E-Rickshaw Driving Experiences: Insights from User-Centric EV Dashboards in India	2024	INTELLIGENT HUMAN COMPUTER INTERACTION, IHCI 2023, PT I	14531		355	366		10.1007/978-3-031-53827-8_31	SPRINGER INTERNATIONAL PUBLISHING AG		15th International Conference on Intelligent Human-Computer Interaction (IHCI)	NOV 08-10, 2023	Daegu, SOUTH KOREA	0302-9743	978-3-031-53826-1; 978-3-031-53827-8		WoS
95	Proceedings Paper	Sarkar, TT; 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			211	216		10.1109/MMAR62187.2024.10680747	IEEE		28th International Conference on Methods and Models in Automation and Robotics (MMAR)	AUG 27-30, 2024	Miedzyzdroje, POLAND	2835-2815	979-8-3503-6235-0; 979-8-3503-6234-3		WoS
96	Proceedings Paper	Verma, D; Sharma, V; Das, PK	Semi-supervised Polyp Classification in Colonoscopy Images Using GAN	2024	COMPUTER VISION AND IMAGE PROCESSING, CVIP 2023, PT III	2011		39	51		10.1007/978-3-031-58535-7_4	SPRINGER INTERNATIONAL PUBLISHING AG		8th International Conference on Computer Vision and Image Processing (CVIP)	NOV 03-05, 2023	Indian Inst Tech Jammu, Jammu, INDIA	1865-0929	978-3-031-58534-0; 978-3-031-58535-7		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
97	Proceedings Paper	Dey, S; Bhale, P; Nandi, S	ReFIT: Reliability Challenges and Failure Rate Mitigation Techniques for IoT Systems	2020	INNOVATIONS FOR COMMUNITY SERVICES, I4CS 2020	1139		123	142		10.1007/978-3-030-37484-6_7	SPRINGER INTERNATIONAL PUBLISHING AG		20th International Conference on Innovations for Community Services (I4CS)	JAN 12-14, 2020	Bhubaneswar, INDIA	1865-0929	978-3-030-37484-6		WoS
98	Proceedings Paper	Roy, R; Mishra, AK	Effect of Lead and Zinc on Hydraulic Conductivity and Swelling Characteristics of Nanoclay-Amended Bentonite	2024	SUSTAINABLE CONSTRUCTION RESOURCES IN GEOTECHNICAL ENGINEERING, CREST 2023	448		499	509		10.1007/978-981-99-9227-0_46	SPRINGER-VERLAG SINGAPORE PTE LTD		2nd International Conference on Construction Resources for Environmentally Sustainable Technologies (CREST)	NOV 20-22, 2023	Kyushu Univ, Fukuoka, JAPAN	2366-2557	978-981-99-9229-4; 978-981-99-9227-0; 978-981-99-9226-3		WoS
99	Proceedings Paper	Rajidi, SR; Gupta, A; Panda, S	SUPERSONIC AERODYNAMIC INSTABILITY CHARACTERISTICS OF BIDIRECTIONAL POROUS FUNCTIONALLY GRADED PANEL	2021	PROCEEDINGS OF ASME TURBO EXPO 2021: TURBOMACHINERY TECHNICAL CONFERENCE AND EXPOSITION, VOL 9A							AMER SOC MECHANICAL ENGINEERS		ASME Turbomachinery Technical Conference and Exposition (Turbo Expo) - Sustainable Energy - Accelerating the Transition by Advancing Turbine Technology	JUN 07-11, 2021	ELECTR NETWORK K		978-0-7918-8502-4		WoS
100	Proceedings Paper	Marjit, S; Talukdar, U; Hazarika, SM	Enhancing EEG-Based Emotion Recognition Using MultiDomain Features and Genetic Algorithm Based Feature Selection	2024	PATTERN RECOGNITION AND MACHINE INTELLIGENCE, PREMI 2021	13102		345	353		10.1007/978-3-031-12700-7_36	SPRINGER INTERNATIONAL PUBLISHING AG		9th International Conference on Pattern Recognition and Machine Intelligence (PREMI)	DEC 15-18, 2021	ELECTR NETWORK K	0302-9743	978-3-031-12699-4; 978-3-031-12700-7		WoS
101	Meeting Abstract	Christian, Y; Ramakrishnan, V	Electrostatically modulated peptide-based drug delivery against resistant cancer	2024	JOURNAL OF PEPTIDE SCIENCE	30						WILEY					1075-2617			WoS
102	Proceedings Paper	Kulkarni, R; Kalibhat, R	Dynamic mode decomposition-based algorithm for phase-shifting interferometry in the presence of miscalibration and vibration	2024	OPTICS AND PHOTONICS FOR ADVANCED DIMENSIONAL METROLOGY III	12997					10.1117/12.3014687	SPIE-INT SOC OPTICAL ENGINEERING		Conference on Optics and Photonics for Advanced Dimensional Metrology III	APR 09-11, 2024	Strasbourg, FRANCE	0277-786X	978-1-5106-7312-0; 978-1-5106-7313-7		WoS
103	Proceedings Paper	Mahesh, R; Bharat, TV; Choudhary, R	Numerical Investigation of Geo-Naturals Effectiveness in Railway Embankments Against Mud Pumping	2025	PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON TRANSPORTATION GEOTECHNICS, VOL 8, ICTG 2024	409		183	192		10.1007/978-981-97-8241-3_19	SPRINGER-VERLAG SINGAPORE PTE LTD		5th International Conference on Transportation Geotechnics	NOV 20-22, 2024	Sydney, AUSTRALIA	2366-2557	978-981-97-8243-7; 978-981-97-8241-3; 978-981-97-8240-6		WoS
104	Proceedings Paper	Ghose, S; Dey, A	Unit cell consolidation of a PVD incorporated soft soil: Comparative of 2D axisymmetric and plane strain analysis considering ideal and actual drain	2024	GEOSHANGHAI 2024 INTERNATIONAL CONFERENCE, VOL 1	1330					10.1088/1755-1315/1330/1/012006	IOP PUBLISHING LTD		5th GeoShanghai International Conference	MAY 26-29, 2024	Tongji Univ, Coll Civil Engn, Shanghai, PEOPLES R CHINA	1755-1307		gold	WoS
105	Proceedings Paper	Naik, K; Sahoo, N	DIAMETER-TO-CHORD RATIO EFFECT ON THE AERODYNAMIC PERFORMANCE OF SMALL-SCALE DARRIEUS-TYPE STRAIGHT-BLADED VERTICAL AXIS WIND TURBINE	2023	PROCEEDINGS OF ASME 2023 GAS TURBINE INDIA CONFERENCE, GTINDIA2023							AMER SOC MECHANICAL ENGINEERS		8th Biennial ASME Gas Turbine India Conference (GTINDIA) - Power and Propulsion - A Sustainable Future	DEC 07-08, 2023	Infosys, Bangalore, INDIA		978-0-7918-8772-1		WoS
106	Proceedings Paper	Abhijeet, KM; Ali, A; Guha, P	Identity Preserved Expressive Talking Faces with Synchrony	2024	COMPUTER VISION AND IMAGE PROCESSING, CVIP 2023, PT I	2009		357	368		10.1007/978-3-031-58181-6_30	SPRINGER INTERNATIONAL PUBLISHING AG		8th International Conference on Computer Vision and Image Processing (CVIP)	NOV 03-05, 2023	Indian Inst Tech Jammu, Jammu, INDIA	1865-0929	978-3-031-58180-9; 978-3-031-58181-6		WoS
107	Proceedings Paper	Boro, B; Dongre, A; Parmar, R; Trivedi, G	Programmable Binary Weighted Time-Domain Vector Matrix Multiplier for In-Memory Computing	2024	2023 IEEE ASIA PACIFIC CONFERENCE ON CIRCUITS AND SYSTEMS, APCCAS			261	265		10.1109/APCCA560141.2023.00066	IEEE COMPUTER SOC		Asia Pacific Conference on Circuits and Systems (APCCAS)	NOV 19-22, 2023	Hyderabad, INDIA	2837-4576	979-8-3503-8119-1		WoS
108	Proceedings Paper	Shejule, P; Pekkat, S	RAINFALL FORECAST BY IDENTIFICATION OF CHARACTERISTIC COMPONENTS OF RAINFALL USING SINGULAR SPECTRUM ANALYSIS	2023	19TH ANNUAL MEETING OF THE ASIA OCEANIA GEOSCIENCES SOCIETY, AOGS 2022			74	76		10.1142/9789811275449_0025	WORLD SCIENTIFIC PUBL CO PTE LTD		19th Annual Meeting of the Asia-Oceania-Geosciences-Society (AOGS)	AUG 01-05, 2022	ELECTR NETWORK K		978-981-127-544-9; 978-981-127-543-2	hybrid	WoS
109	Proceedings Paper	Baruah, RD; Organero, MM	A brief Review on the Role of Context in Explainable AI	2024	IEEE CONFERENCE ON EVOLVING AND ADAPTIVE INTELLIGENT SYSTEMS 2024, IEEE EAIS 2024			71	76		10.1109/EAIS58494.2024.10570037	IEEE		IEEE Conference on Evolving and Adaptive Intelligent Systems (IEEE EAIS)	MAY 23-24, 2024	Madrid, SPAIN	2330-4863	979-8-3503-6623-5; 979-8-3503-6624-2		WoS
110	Meeting Abstract	Chaturvedi, R; Pachauri, KK	Bioreactor Technology: A Sustainable Tool for Commercial Scale Production of Plant Cell Derived Products	2024	IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL	60	1	579	579			SPRINGER					1071-2690			WoS
111	Proceedings Paper	Kulkarni, SS; Nayak, SK	Efficient Far-Field Microwave WPT Using GRIN Lens Metamaterial at 2.45 GHz	2024	2024 IEEE SPACE, AEROSPACE AND DEFENCE CONFERENCE, SPACE 2024			309	312		10.1109/SPACE63117.2024.10668109	IEEE		IEEE Space, Aerospace and Defence Conference (SPACE)	JUL 22-23, 2024	Bangalore, INDIA		979-8-3503-6739-3; 979-8-3503-6738-6		WoS
112	Proceedings Paper	Vavilapalli, S; Baishya, NM; Manoj, BR; Dhaka, K	Input Agnostic Trojan Attack for Deep Learning-Based Wireless Signal Classification	2024	2024 NATIONAL CONFERENCE ON COMMUNICATIONS, NCC						10.1109/NCC60321.2024.10485792	IEEE		30th National Conference on Communications (NCC)	FEB 28-MAR 02, 2024	Chennai, INDIA		979-8-3503-5922-0		WoS
113	Proceedings Paper	Barooah, P	Comments on characterizing demand flexibility to provide power grid services	2024	2024 AMERICAN CONTROL CONFERENCE, ACC 2024			1795	1800			IEEE		American Control Conference (ACC)	JUL 10-12, 2024	Toronto, CANADA	0743-1619	979-8-3503-8266-2; 979-8-3503-8265-5	Green Submitted	WoS
114	Proceedings Paper	Anna, VABK; Chunchu, M; Tamarapalli, V	Travel path tracking using smartphone inertial sensors: an experimental study on an academic campus road network	2024	TRAFFIC AND GRANULAR FLOW 2022, TGF 2022	443		311	318		10.1007/978-981-99-7976-9_38	SPRINGER-VERLAG SINGAPORE PTE LTD		14th Conference on Traffic and Granular Flow (TGF)	OCT 15-17, 2022	IIT Delhi, New Delhi, INDIA	2366-2557	978-981-99-7978-3; 978-981-99-7976-9; 978-981-99-7975-2		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
115	Proceedings Paper	Kamall, DR; Neog, P; Dutta, HJ; Bhuyan, MK	Hand Function Assessment using Computer Vision for Hand Rehabilitation	2024	2024 IEEE CONFERENCE ON ARTIFICIAL INTELLIGENCE, CAI 2024			659	664		10.1109/CAI59869.2024.00129	IEEE COMPUTER SOC		2nd IEEE Conference on Artificial Intelligence (CAI)	JUN 25-27, 2024	Singapor e, SINGAPORE		979-8-3503-5410-2; 979-8-3503-5409-6		WoS
116	Proceedings Paper	Kumar, R; Siram, O; Saha, UK; Sahoo, N	WIND TUNNEL ASSISTED ANALYSIS ON THE EFFECT OF SPAN-WISE SEPARATION OF SMALL WIND TURBINES: A NEAR WAKE REGION STUDY	2023	PROCEEDINGS OF ASME 2023 GAS TURBINE INDIA CONFERENCE, GTINDIA2023							AMER SOC MECHANICAL ENGINEERS		8th Biennial ASME Gas Turbine India Conference (GTINDIA) - Power and Propulsion - A Sustainable Future	DEC 07-08, 2023	Infosys, Bangalor e, INDIA		978-0-7918-8772-1		WoS
117	Proceedings Paper	Narayan, J; Abbas, M; Pratap, S; Bharti, RR; Dwivedy, SK	Integrating Robust Gait Tracking Control and Variable Admittance Model for Pediatric Exoskeleton: An 'Assist -as -Needed' Framework	2024	IFAC PAPERSONLINE	57		113	118		10.1016/j.ifacol.2024.05.020	ELSEVIER		8th Conference on Advances in Control and Optimization of Dynamical Systems (ACODS)	MAR 12-15, 2024	New Delhi, INDIA	2405-8963		gold	WoS
118	Proceedings Paper	Das, MJ; Sahoo, N	CONCEPTUALIZATION OF A PORTABLE VACUUM PUMPING SYSTEM FOR DEAD VOLUME DISPENSING OF CRUDE OIL FROM CRUDE OIL STORAGE TANKS	2023	PROCEEDINGS OF ASME 2023 GAS TURBINE INDIA CONFERENCE, GTINDIA2023							AMER SOC MECHANICAL ENGINEERS		8th Biennial ASME Gas Turbine India Conference (GTINDIA) - Power and Propulsion - A Sustainable Future	DEC 07-08, 2023	Infosys, Bangalor e, INDIA		978-0-7918-8772-1		WoS
119	Meeting Abstract	Kumari, K; Ramakrishnan, V	Short catalytic peptides for carbon dioxide sequestration	2024	JOURNAL OF PEPTIDE SCIENCE	30						WILEY					1075-2617			WoS
120	Meeting Abstract	Kumari, K; Ramakrishnan, V	De novo design of biocatalytic and thermostable heterochiral peptide as a hydrolase model	2024	BIOPHYSICAL JOURNAL	123	3	19A	19A			CELL PRESS		68th Annual Meeting of the Biophysical-Society	FEB 10-14, 2024	Philadelp hia, PA	0006-3495			WoS
121	Proceedings Paper	Mondal, SK; Das, A; Baba, RH; Patel, VD; Bharti, R	INVESTIGATION OF GLACIAL LAKES IN PROXIMITY TO FAILED SOUTH LHONAK LAKE: A GLACIO-CENTRIC APPROACH TO DISASTER RISK ASSESSMENT	2024	IGARSS 2024-2024 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM, IGARSS 2024			1904	1907		10.1109/IGARS553475.2024.10641012	IEEE		IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 07-12, 2024	Athens, GREECE	2153-6996	979-8-3503-6033-2; 979-8-3503-6032-5		WoS
122	Proceedings Paper	Wagh, CD; Gandhi, ISR; Shrivastava, V	Analysis of Operational Energy Cost of Typical Residential Building (in Guwahati Located in Northeastern India) with Foam Concrete as Walling Material	2024	CLIMATE CHANGE ADAPTATION FROM GEOTECHNICAL PERSPECTIVES, CREST 2023	447		3	13		10.1007/978-981-99-9215-7_1	SPRINGER-VERLAG SINGAPORE PTE LTD		2nd International Conference on Construction Resources for Environmentally Sustainable Technologies (CREST)	NOV 20-22, 2023	Kyushu Univ, Fukuoka, JAPAN	2366-2557	978-981-99-9217-1; 978-981-99-9215-7; 978-981-99-9214-0		WoS
123	Proceedings Paper	Assegie, MA; Siram, O; Kalita, P; Sahoo, N	EFFICIENCY ASSESSMENT OF COMPRESSED AIR ENERGY STORAGE SYSTEM COUPLED WITH THERMAL ENERGY STORAGE UNIT: REVIEW	2023	PROCEEDINGS OF ASME 2023 GAS TURBINE INDIA CONFERENCE, GTINDIA2023							AMER SOC MECHANICAL ENGINEERS		8th Biennial ASME Gas Turbine India Conference (GTINDIA) - Power and Propulsion - A Sustainable Future	DEC 07-08, 2023	Infosys, Bangalor e, INDIA		978-0-7918-8772-1		WoS
124	Proceedings Paper	Bhale, P; Dey, S; Biswas, S; Nandi, S	Energy Efficient Approach to Detect Sinkhole Attack Using Roving IDS in 6LoWPAN Network	2020	INNOVATIONS FOR COMMUNITY SERVICES, I4CS 2020	1139		187	207		10.1007/978-3-030-37484-6_11	SPRINGER INTERNATIONAL PUBLISHING AG		20th International Conference on Innovations for Community Services (I4CS)	JAN 12-14, 2020	Bhubane swar, INDIA	1865-0929	978-3-030-37483-9; 978-3-030-37484-6		WoS
125	Proceedings Paper	Kakati, J; More, SM; Pal, S; Saha, UK	ANALYZING THE OPERATING PARAMETERS OF A COMPRESSION IGNITION DIESEL ENGINE USING ARTIFICIAL NEURAL NETWORK	2022	PROCEEDINGS OF THE ASME 2022 POWER CONFERENCE, POWER2022							AMER SOC MECHANICAL ENGINEERS		ASME Power Conference (Power)	JUL 18-19, 2022	Pittsburg h, PA		978-0-7918-8582-6		WoS
126	Proceedings Paper	Aggarwal, Y; Choudhury, P; Guha, P	Face Detection in Challenging Scenes with a Customized Backbone	2024	COMPUTER VISION AND IMAGE PROCESSING, CVIP 2023, PT III	2011		468	482		10.1007/978-3-031-58535-7_39	SPRINGER INTERNATIONAL PUBLISHING AG		8th International Conference on Computer Vision and Image Processing (CVIP)	NOV 03-05, 2023	Indian Inst Tech Jammu, Jammu, INDIA	1865-0929	978-3-031-58534-0; 978-3-031-58535-7		WoS
127	Proceedings Paper	Tsegay, MB; Dhaka, K; Bhattacharjee, R	Outage Probability Analysis for D2D-based Multi-antenna V2V Underlay System	2024	2024 IEEE 99TH VEHICULAR TECHNOLOGY CONFERENCE, VTC2024-SPRING						10.1109/VTC2024-SPRING62846.2024.10683643	IEEE		IEEE 99th Vehicular Technology Conference (VTC-Spring)	JUN 24-27, 2024	Singapor e, SINGAPORE		979-8-3503-8741-4		WoS
128	Proceedings Paper	Bhale, P; Biswas, S; Nandi, S	LIENE: Lifetime Enhancement for 6LoWPAN Network Using Clustering Approach Use Case: Smart Agriculture	2021	INNOVATIONS FOR COMMUNITY SERVICES, I4CS 2021	1404		59	75		10.1007/978-3-030-75004-6_5	SPRINGER INTERNATIONAL PUBLISHING AG		21st International Conference on Innovations for Community Services (I4CS)	MAY 26-28, 2021	Bamberg, GERMANY	1865-0929	978-3-030-75003-9; 978-3-030-75004-6		WoS
129	Proceedings Paper	Sahu, SK; Kshetrimayum, RS; Sonkar, RK	High Gain and Dual Band SIW-Fed Stacked Conical DRA for 5G NR FR1 Application	2024	2024 18TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION, EUCAP						10.23919/EuCAP60739.2024.10501575	IEEE		18th European Conference on Antennas and Propagation (EuCAP)	MAR 17-22, 2024	Glasgow, SCOTLAND		978-88-31299-09-1; 979-8-3503-9443-6		WoS
130	Proceedings Paper	Vignesh, P; Shrihari, A; Guha, P	EUWOD-16: An Extended Dataset for Underwater Object Detection	2024	COMPUTER VISION AND IMAGE PROCESSING, CVIP 2023, PT III	2011		434	445		10.1007/978-3-031-58535-7_36	SPRINGER INTERNATIONAL PUBLISHING AG		8th International Conference on Computer Vision and Image Processing (CVIP)	NOV 03-05, 2023	Indian Inst Tech Jammu, Jammu, INDIA	1865-0929	978-3-031-58534-0; 978-3-031-58535-7		WoS
131	Proceedings Paper	Rajput, AS; Das, M; Kapil, S	A MACHINE LEARNING GENETIC ALGORITHM (ML-GA) APPROACH TO OPTIMIZE PROCESS PARAMETERS OF TROCHOIDAL TOOLPATH DURING HYBRID-ELECTROCHEMICAL MAGNETORHEOLOGICAL (H-ECMR) FINISHING	2023	PROCEEDINGS OF ASME 2023 18TH INTERNATIONAL MANUFACTURING SCIENCE AND ENGINEERING CONFERENCE, MSEC2023, VOL 2							AMER SOC MECHANICAL ENGINEERS		ASME 18th Int Mfg Sci and Engrn Conf held jointly with the 51st N Amer Res Conf / Japan-Soc-of-Mech-Engineers Int Conf on Leading Edge Mfg/Mat and Proc	JUN 12-16, 2023	New Brunswic k, NJ		978-0-7918-8724-0		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
132	Proceedings Paper	Sharma, N; Kapoor, K	Attacks in Distributed Routing Protocols in PCNs	2024	2024 IEEE INTERNATIONAL CONFERENCE ON BLOCKCHAIN, BLOCKCHAIN 2024			29	36		10.1109/Blockchain62396.2024.00014	IEEE COMPUTER SOC		7th IEEE International Conference on Blockchain (IEEE Blockchain)	AUG 19-22, 2024	Copenhagen, DENMARK		979-8-3503-5160-6; 979-8-3503-5159-0		WoS
133	Proceedings Paper	Bhale, P; Prakash, S; Biswas, S; Nandi, S	BRAIN: Buffer Reservation Attack Prevention Using Legitimacy Score in 6LoWPAN Network	2020	INNOVATIONS FOR COMMUNITY SERVICES, I4CS 2020	1139		208	223		10.1007/978-3-030-37484-6_12	SPRINGER INTERNATIONAL PUBLISHING AG		20th International Conference on Innovations for Community Services (I4CS)	JAN 12-14, 2020	Bhubaneswar, INDIA	1865-0929	978-3-030-37483-9; 978-3-030-37484-6		WoS
134	Proceedings Paper	Baishya, NM; Manoj, BR	Adversarial Robustness of Distilled and Pruned Deep Learning-based Wireless Classifiers	2024	2024 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, WCNC 2024						10.1109/WCNC57260.2024.10571193	IEEE		IEEE Wireless Communications and Networking Conference (IEEE WCNC)	APR 21-24, 2024	Dubai, UARAB EMIRATES	1525-3511	979-8-3503-0358-2; 979-8-3503-0359-9	Green Submitted	WoS
135	Proceedings Paper	Boro, B; Parmar, R; Dongre, A; Trivedi, G	Reprogrammable Time-Domain RRAM Based Vector Matrix Multiplier for In-Memory Computing	2024	2024 25TH INTERNATIONAL SYMPOSIUM ON QUALITY ELECTRONIC DESIGN, ISQED 2024						10.1109/ISQED60706.2024.10528699	IEEE		25th International Symposium on Quality Electronic Design (ISQED)	APR 03-05, 2024	San Francisco, CA	1948-3287	979-8-3503-0927-0; 979-8-3503-0928-7		WoS
136	Proceedings Paper	Kulkarni, R	Fourier-Bessel series expansion-based fringe pattern denoising and inpainting	2024	OPTICS AND PHOTONICS FOR ADVANCED DIMENSIONAL METROLOGY III	12997					10.1117/12.3014778	SPIE-INT SOC OPTICAL ENGINEERING		Conference on Optics and Photonics for Advanced Dimensional Metrology III	APR 09-11, 2024	Strasbourg, FRANCE	0277-786X	978-1-5106-7312-0; 978-1-5106-7313-7		WoS
137	Proceedings Paper	Mattoo, I; Sreenath, JG; Tripathy, P	Distribution System State Estimation Considering Asynchronous Heterogeneous Measurements	2024	2024 IEEE POWER & ENERGY SOCIETY GENERAL MEETING, PESGM 2024						10.1109/PESGM51994.2024.10689066	IEEE		IEEE-Power-and-Energy-Society General Meeting (PESGM)	JUL 21-25, 2024	Seattle, WA	1944-9925	979-8-3503-8184-9; 979-8-3503-8183-2		WoS
138	Proceedings Paper	Ranjan, S; Majhi, S	Prescribed-Time Attitude and Altitude Stabilization of Hexarotor UAV with External Disturbances	2024	2024 28TH INTERNATIONAL CONFERENCE ON METHODS AND MODELS IN AUTOMATION AND ROBOTICS, MMAR 2024			193	198		10.1109/MMAR62187.2024.10680778	IEEE		28th International Conference on Methods and Models in Automation and Robotics (MMAR)	AUG 27-30, 2024	Miedzyzdroje, POLAND	2835-2815	979-8-3503-6235-0; 979-8-3503-6234-3		WoS
139	Proceedings Paper	Rathod, UH; Kulkarni, V; Saha, UK	COMPUTATIONAL ANALYSIS OF A SAVONIUS WIND ROTOR USING BIO-INSPIRED CORRUGATED BLADES	2023	PROCEEDINGS OF ASME TURBO EXPO 2023: TURBOMACHINERY TECHNICAL CONFERENCE AND EXPOSITION, GT2023, VOL 14							AMER SOC MECHANICAL ENGINEERS		ASME Turbomachinery Technical Conference and Exposition (Turbo Expo) on Collaborate, Innovate and Empower - Propulsion and Power for a Sustainable Future	JUN 26-30, 2023	Boston, MA		978-0-7918-8712-7		WoS
140	Proceedings Paper	Handique, A; Sarma, AK; Bhattacharjya, RK	An iterative method for estimating the velocity dip positions across a river	2024	RIVER FLOW 2022			27	34		10.1201/9781003323037-4	CRC PRESS-BALKEMA		11TH CONFERENCE ON FLUVIAL HYDRAULICS (River Flow)	NOV 08-10, 2022	ELECTRONETWORK		978-1-032-34614-4; 978-1-003-32303-7; 978-1-032-34613-7		WoS
141	Proceedings Paper	Mane, P; Dandapat, S; Bhatt, M	U-Net Framework for Simultaneous Segmentation of Foveal Avascular Zone and Retinal Vessels Across Different Retinal Plexuses	2024	10TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTING AND COMMUNICATION TECHNOLOGIES, CONECCT 2024						10.1109/CONECCT62155.2024.10677042	IEEE		10th IEEE International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT)	JUL 12-14, 2024	Indian Inst Sci, Bangalore, INDIA	2334-0940	979-8-3503-8593-9; 979-8-3503-8592-2		WoS
142	Proceedings Paper	Bhowmick, S; Panigrahi, A; Borah, P; Kalita, P; Sorathia, K	Investigating the Effectiveness of Locked Dwell Time-based Point and Tap Gesture for Selection of Nail-sized Objects in Dense Virtual Environment	2020	PROCEEDINGS OF THE 2020 ACM SYMPOSIUM ON SPATIAL USER INTERACTION, SUI 2020						10.1145/3385959.3422701	ASSOC COMPUTING MACHINERY		ACM Symposium on Spatial User Interaction (SUI)	OCT 30-NOV 01, 2020	ELECTRONETWORK		978-1-4503-7943-4		WoS
143	Proceedings Paper	Das, AK; Mankodi, TK; Saha, UK	Fluidic Thrust Vectoring on an Altitude-Adaptive Double-Divergent Nozzle Using a Bypass Passage	2024	PROCEEDINGS OF ASME TURBO EXPO 2024: TURBOMACHINERY TECHNICAL CONFERENCE AND EXPOSITION, GT2024, VOL 1							AMER SOC MECHANICAL ENGINEERS		69th ASME Turbomachinery Technical Conference and Exposition (ASME Turbo Expo) (GT)	JUN 24-28, 2024	London, ENGLAND		978-0-7918-8792-9		WoS
144	Proceedings Paper	Rathod, UH; Nalavade, CS; Saha, UK; Kulkarni, V	A SYSTEMATIC PROBE INTO THE STARTING TORQUE CHARACTERISTICS OF A BIO-INSPIRED ORANGE SEA-PEN BLADED SAVONIUS WIND ROTOR	2023	PROCEEDINGS OF ASME TURBO EXPO 2023: TURBOMACHINERY TECHNICAL CONFERENCE AND EXPOSITION, GT2023, VOL 14							AMER SOC MECHANICAL ENGINEERS		ASME Turbomachinery Technical Conference and Exposition (Turbo Expo) on Collaborate, Innovate and Empower - Propulsion and Power for a Sustainable Future	JUN 26-30, 2023	Boston, MA		978-0-7918-8712-7		WoS
145	Proceedings Paper	Baishya, NM; Manoj, BR; Bora, PK	Edge-Efficient Deep Learning Models for Automatic Modulation Classification: A Performance Analysis	2024	2024 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, WCNC 2024						10.1109/WCNC57260.2024.10570946	IEEE		IEEE Wireless Communications and Networking Conference (IEEE WCNC)	APR 21-24, 2024	Dubai, UARAB EMIRATES	1525-3511	979-8-3503-0358-2; 979-8-3503-0359-9	Green Submitted	WoS
146	Proceedings Paper	Kumar, A; Roy, A; Bhattacharjee, R	Actively Adaptive Multi-Armed Bandit Based Beam Tracking for mmWave MIMO Systems	2024	2024 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, WCNC 2024						10.1109/WCNC57260.2024.10570953	IEEE		IEEE Wireless Communications and Networking Conference (IEEE WCNC)	APR 21-24, 2024	Dubai, UARAB EMIRATES	1525-3511	979-8-3503-0358-2; 979-8-3503-0359-9		WoS
147	Proceedings Paper	Verma, A; Arrawatia, M	High Efficiency 140 GHz SIW Slot Array Antenna	2024	2024 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION AND INC/USNCURSI RADIO SCIENCE MEETING, AP-S/INC-USNC-URSI 2024			2763	2764		10.1109/AP-S/INC-USNC-URSI52054.2024.10686702	IEEE		IEEE International Symposium on Antennas and Propagation / INC/USNC-URSI Radio Science Meeting (AP-S/INC-USNC-URSI)	JUL 14-19, 2024	Florence, ITALY		979-8-3503-6990-8; 979-8-3503-6991-5		WoS
148	Proceedings Paper	Singh, A; Krishna, MLNS; Kumar, P; Mahanta, A; Sengupta, B	A Socio-Economics and Cost-Based Assessment of Electric Mobility as a Service Transitional Juncture	2024	2024 IEEE TRANSPORTATION ELECTRIFICATION CONFERENCE AND EXPO, ITEC 2024						10.1109/ITEC60657.2024.10598870	IEEE		Transportation Electrification Conference and Expo (ITEC)	JUN 19-21, 2024	Chicago, IL	2377-5483	979-8-3503-1767-1; 979-8-3503-1766-4		WoS
149	Proceedings Paper	Singh, MK; Bhawana; Bharti, R	SNOW GRAIN SIZE MAPPING USING PRISMA HYPERSPECTRAL DATA OVER THE SOUTH LHONAK GLACIER	2024	IGARSS 2024-2024 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM, IGARSS 2024			3682	3685		10.1109/IGARS553475.2024.10641908	IEEE		IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	JUL 07-12, 2024	Athens, GREECE	2153-6996	979-8-3503-6033-2; 979-8-3503-6032-5		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
150	Proceedings Paper	Bhattacharjee, P; Iyer, PK; Nemade, HB	Real time acoustic convolution of RF signals using organic semiconductor	2024	8TH IEEE ELECTRON DEVICES TECHNOLOGY & MANUFACTURING CONFERENCE, EDTM 2024			40	42		10.1109/EDTM58488.2024.10512298	IEEE		8th Electron Devices Technology & Manufacturing Conference (EDTM)	MAR 03-06, 2024	Bangalore, INDIA		979-8-3503-8308-9; 979-8-3503-7152-9		WoS
151	Proceedings Paper	Moulik, S; Chaudhary, R; Das, Z; Sarkar, A	EA-HRT: An Energy-Aware scheduler for Heterogeneous Real-Time systems	2020	2020 25TH ASIA AND SOUTH PACIFIC DESIGN AUTOMATION CONFERENCE, ASP-DAC 2020			500	505			ASSOC COMPUTING MACHINERY		25th Asia and South Pacific Design Automation Conference (ASP-DAC)	JAN 13-16, 2020	Beijing, PEOPLES R CHINA	2153-6961	978-1-7281-4123-7		WoS
152	Proceedings Paper	Ghosh, A; Kartha, SA	Composition and Characteristics of Excavated Materials from a Legacy Waste Dumpsite:Potential of Landfill Biomining	2022	PROCEEDINGS OF THE 6TH EURASIA WASTE MANAGEMENT SYMPOSIUM, EWMS 2022			519	526			Mehmet Sinan Bilgili		6th EurAsia Waste Management Symposium (EWMS)	OCT 24-26, 2022	Istanbul, TURKEY		978-605-72074-1-8		WoS
153	Proceedings Paper	Udaiwal, R; Baishya, N; Gupta, Y; Manoj, BR	BiLSTM and Attention-Based Modulation Classification of Realistic Wireless Signals	2024	2024 INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING AND COMMUNICATIONS, SPCOM 2024						10.1109/SPCOM60851.2024.10631596	IEEE		15th International Conference on Signal Processing and Communications (SPCOM)	JUL 01-04, 2024	Indian Inst Sci, Bangalore, INDIA	2474-9168	979-8-3503-5046-3; 979-8-3503-5045-6	Green Submitted	WoS
154	Proceedings Paper	Bhattacharjee, S; Shekhawat, HS; Prasanna, SRM	Classification of Cleft Lip and Palate Speech Using Fine-Tuned Transformer Pretrained Models	2024	INTELLIGENT HUMAN COMPUTER INTERACTION, IHCI 2023, PT I	14531		55	61		10.1007/978-3-031-53827-8_6	SPRINGER INTERNATIONAL PUBLISHING AG		15th International Conference on Intelligent Human-Computer Interaction (IHCI)	NOV 08-10, 2023	Daegu, SOUTH KOREA	0302-9743	978-3-031-53826-1; 978-3-031-53827-8		WoS
155	Proceedings Paper	Kanaujia, P; Saikia, P; Nankani, D	Restoring Face Occluded Images Using GAN Based Inpainting with Perceptual and Contextual Losses	2024	PATTERN RECOGNITION AND MACHINE INTELLIGENCE, PREMI 2021	13102		439	447		10.1007/978-3-031-12700-7_45	SPRINGER INTERNATIONAL PUBLISHING AG		9th International Conference on Pattern Recognition and Machine Intelligence (PReMI)	DEC 15-18, 2021	ELECTR NETWORK K	0302-9743	978-3-031-12699-4; 978-3-031-12700-7		WoS
156	Proceedings Paper	Ramba, V; Selvaraju, S; Subbaih, S; Palanisamy, M; Gauba, S; Jandial, S	Real-Time Evaluation of Structural Integrity of Tubulars in Directional Wellbores	2020	PROCEEDINGS OF THE ASME 39TH INTERNATIONAL CONFERENCE ON OCEAN, OFFSHORE AND ARCTIC ENGINEERING, OMAE2020, VOL 11							AMER SOC MECHANICAL ENGINEERS		ASME 39th International Conference on Ocean, Offshore and Arctic Engineering (OMAE)	AUG 03-07, 2020	Florida Atlantic Univ, Dept Ocean & Mech Engn, ELECTR NETWORK K		978-0-7918-8443-0		WoS
157	Proceedings Paper	Chaudharia, H; Kulkarnia, R; Bhuyana, MK; Sundaravavelu, PK; Thummer, R	Machine-learning-based classification of co-cultured cells from phase images in digital holographic microscopy	2024	UNCONVENTIONAL OPTICAL IMAGING IV	12996					10.1117/12.3017346	SPIE-INT SOC OPTICAL ENGINEERING		Conference on Unconventional Optical Imaging IV	APR 08-11, 2024	Strasbourg, FRANCE	0277-786X	978-1-5106-7311-3; 978-1-5106-7310-6		WoS
158	Proceedings Paper	Banerjee, P; Saxena, P; Kalimullah, NMM; Shelke, A; Habib, A	Damage Detection and Localization by Learning Deep Features of Elastic Waves in Piezoelectric Ceramic Using Point Contact Method	2024	2024 IEEE/CVF CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION WORKSHOPS, CVPRW			63	70		10.1109/CVPRW63382.2024.00011	IEEE COMPUTER SOC		IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)	JUN 16-22, 2024	Seattle, WA	2160-7508	979-8-3503-6547-4		WoS
159	Proceedings Paper	Jhal, D; Tomarl, NK; Sharma, V; Bagcil, U	TransNetR: Transformer-based Residual Network for Polyp Segmentation with Multi-Center Out-of-Distribution Testing	2023	MEDICAL IMAGING WITH DEEP LEARNING, VOL 227	227		1372	1384			JMLR-JOURNAL MACHINE LEARNING RESEARCH		6th International Conference on Medical Imaging with Deep Learning (MIDL)	JUL 10-12, 2023	Vanderbil t Univ, Nashville, TN	2640-3498			WoS
160	Proceedings 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						10.1109/NCC60321.2024.10485702	IEEE		30th National Conference on Communications (NCC)	FEB 28-MAR 02, 2024	Chennai, INDIA		979-8-3503-5922-0		WoS
161	Proceedings Paper	Mali, B; Maddala, K; Gupta, V; Reddy, S; Karfa, C; Karri, R	ChIRAAG: ChatGPT Informed Rapid and Automated Assertion Generation	2024	2024 IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI, ISVLSI			680	683		10.1109/ISVLSI61997.2024.00130	IEEE COMPUTER SOC		IEEE-Computer-Society Annual Symposium on VLSI (ISVLSI)	JUL 01-03, 2024	Knoxville, TN	2159-3469	979-8-3503-5411-9	Green Submitted	WoS
162	Proceedings Paper	Mishra, A; Chopra, R; Shankar, MRB	On the Coexistence of Multi-Static Tracking Radars with Cell Free Massive MIMO	2024	2024 NATIONAL CONFERENCE ON COMMUNICATIONS, NCC						10.1109/NCC60321.2024.10485822	IEEE		30th National Conference on Communications (NCC)	FEB 28-MAR 02, 2024	Chennai, INDIA		979-8-3503-5922-0		WoS
163	Proceedings Paper	Singh, DJ; Aquib, M; Sharma, T; Verma, NK	Robustness of General Type-2 TSK Fuzzy Systems	2024	2024 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS, FUZZ-IEEE 2024						10.1109/FUZZ-IEEE60900.2024.10611802	IEEE		IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)	JUN 30-JUL 05, 2024	Yokohama, JAMAICA	1544-5615	979-8-3503-1955-2; 979-8-3503-1954-5		WoS
164	Proceedings Paper	Paul, AB; Akhil, G; Biswas, S; Nandi, S; Sett, N	SAS: Seasonality Aware Social-Based Forwarder Selection in Delay Tolerant Networks	2020	INNOVATIONS FOR COMMUNITY SERVICES, I4CS 2020	1139		245	265		10.1007/978-3-030-37484-6_14	SPRINGER INTERNATIONAL PUBLISHING AG		20th International Conference on Innovations for Community Services (I4CS)	JAN 12-14, 2020	Bhubaneswar, INDIA	1865-0929	978-3-030-37483-9; 978-3-030-37484-6		WoS
165	Meeting Abstract	Verma, K; Kamboj, I; Kashyap, N	The effect of group memory on false recall in semantic associates	2024	INTERNATIONAL JOURNAL OF PSYCHOLOGY	59		138	138			JOHN WILEY & SONS LTD					0020-7594			WoS
166	Proceedings Paper	Rathore, D; Kashyap, S; Rajesh, A	Performance Analysis of IRS Assisted Jamming Detection	2024	2024 NATIONAL CONFERENCE ON COMMUNICATIONS, NCC						10.1109/NCC60321.2024.10485966	IEEE		30th National Conference on Communications (NCC)	FEB 28-MAR 02, 2024	Chennai, INDIA		979-8-3503-5922-0		WoS
167	Proceedings Paper	Singh, P; Mulpuri, SK; Kumar, P; Bhagavathula, S	A commercial analysis for sustainable public transit procurement approach in India's buses electrification drive	2024	2024 IEEE TRANSPORTATION ELECTRIFICATION CONFERENCE AND EXPO, ITEC 2024						10.1109/ITEC60657.2024.10598869	IEEE		Transportation Electrification Conference and Expo (ITEC)	JUN 19-21, 2024	Chicago, IL	2377-5483	979-8-3503-1767-1; 979-8-3503-1766-4		WoS
168	Proceedings Paper	Rajashekar, K; Paul, S; Karmakar, S; Sidhanta, S	Minimizing Data Retrieval Delay in Edge Computing	2024	MOBILE AND UBIQUITOUS SYSTEMS: COMPUTING, NETWORKING AND SERVICES, MOBIQUITOUS 2023, PT II	594		63	85		10.1007/978-3-031-63992-0_5	SPRINGER INTERNATIONAL PUBLISHING AG		20th EAI International Conference on Mobile and Ubiquitous Systems - Computing Networking and Services (EAI MobiQuitous)	NOV 14-17, 2023	RMIT Univ, Melbourne, AUSTRALIA	1867-8211	978-3-031-63991-3; 978-3-031-63992-0		WoS
169	Proceedings Paper	Acharya, S; Bhatt, AN; Chakrabarti, A	PROBLEM BASED LEARNING THROUGH DESIGN THINKING TO STRENGTHEN EDUCATION IN SOUTH ASIA	2023	PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION, E&PDE 2023	123		505	510			DESIGN SOC		25TH INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION (E&PDE)	SEP 07-08, 2023	Barcelona, SPAIN	3005-4753	978-1-912254-19-4		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
170	Proceedings Paper	Mishra, S; Buzdalov, M	Filter Sort Is $\Omega(N3)$ in the Worst Case	2020	PARALLEL PROBLEM SOLVING FROM NATURE - PPSN XVI, PT II	12270		675	685		10.1007/978-3-030-58115-2_47	SPRINGER INTERNATIONAL PUBLISHING AG		16th International Conference on Parallel Problem Solving from Nature (PPSN)	SEP 05-09, 2020	Leiden, NETHERLANDS		978-3-030-58114-5; 978-3-030-58115-2		WoS
171	Proceedings Paper	Agrawal, K; Borthakur, A; Singh, AK; 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	IEEE		2024 Biomedical Circuits and Systems Conference	OCT 24-26, 2024	Xi'an, PEOPLES R CHINA	2163-4025	979-8-3503-5496-6; 979-8-3503-5495-9		WoS
172	Proceedings Paper	Paul, AB; Mondal, S; Biswas, S; Nandi, S	TA-ACS: A Trust Aware Adaptive Carrier Selection Scheme for Reliable Routing in Delay Tolerant Networks	2020	INNOVATIONS FOR COMMUNITY SERVICES, I4CS 2020	1139		227	244		10.1007/978-3-030-37484-6_13	SPRINGER INTERNATIONAL PUBLISHING AG		20th International Conference on Innovations for Community Services (I4CS)	JAN 12-14, 2020	Bhubaneswar, INDIA	1865-0929	978-3-030-37483-9; 978-3-030-37484-6		WoS
173	Proceedings Paper	Roy, IP; Neog, DR	Multimodal Fusion of EEG and Eye Data for Attention Classification using Machine Learning	2024	2024 IEEE CONFERENCE ON ARTIFICIAL INTELLIGENCE, CAI 2024			953	954		10.1109/CAI59869.2024.00052	IEEE COMPUTER SOC		2nd IEEE Conference on Artificial Intelligence (CAI)	JUN 25-27, 2024	Singapore, SINGAPORE		979-8-3503-5410-2; 979-8-3503-5409-6		WoS
174	Proceedings Paper	Kumar, S; Sinha, A; Jana, S; Mishra, R; Singh, SR	jack-flood at SemEval-2023 Task 5: Hierarchical Encoding and Reciprocal Rank Fusion-Based System for Spoiler Classification and Generation	2023	17TH INTERNATIONAL WORKSHOP ON SEMANTIC EVALUATION, SEMEVAL-2023			1906	1915			ASSOC COMPUTATIONAL LINGUISTICS-ACL		17th International Workshop on Semantic Evaluation (SemEval)	JUL 13-14, 2023	Toronto, CANADA		978-1-959429-99-9		WoS
175	Proceedings Paper	Chakraborty, J; Dihingia, L; Sarmah, P; Sinha, R	On Comparing Time- and Frequency-Domain Rhythm Measures in Classifying Assamese Dialects	2024	INTERSPEECH 2024			2060	2064		10.21437/Interspeech.2024-2513	ISCA-INT SPEECH COMMUNICATION ASSOC		25th Interspeech Conference	SEP 01-05, 2024	Kos, GREECE	2308-457X			WoS
176	Proceedings Paper	Sangeeta, N; Sharma, S; Dekarajesh, K; Rajesh, A	HQAM-OTFS: Enhancing the Shaping Gain of OTFS	2024	2024 IEEE 99TH VEHICULAR TECHNOLOGY CONFERENCE, VTC2024-SPRING						10.1109/VTC2024-SPRING62846.2024.10683029	IEEE		IEEE 99th Vehicular Technology Conference (VTC-Spring)	JUN 24-27, 2024	Singapore, SINGAPORE		979-8-3503-8741-4		WoS
177	Proceedings Paper	Adhikary, A; Shaw, R; Nandy, A	Outward Wave Favouring Formulation in Exterior Acoustics: An Assessment of Its High Frequency Performance	2024	PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON VIBRATION PROBLEMS, ICOVP 2023			101	116		10.1007/978-981-99-5922-8_10	SPRINGER-VERLAG SINGAPORE PTE LTD		15th International Conference on Vibration Problems (ICoVP)	FEB 05-08, 2023	Qatar Univ, Doha, QATAR	2195-4356	978-981-99-5921-1; 978-981-99-5922-8		WoS
178	Proceedings 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	8TH IEEE ELECTRON DEVICES TECHNOLOGY & MANUFACTURING CONFERENCE, EDTM 2024			550	552		10.1109/EDTM58488.2024.10511795	IEEE		8th Electron Devices Technology & Manufacturing Conference (EDTM)	MAR 03-06, 2024	Bangalore, INDIA		979-8-3503-8308-9; 979-8-3503-7152-9		WoS
179	Proceedings Paper	Neog, DR; Choudhary, PS; Pathak, M	GlobeMetrics: A Healthcare Framework for Video Based Saccade Characterization	2024	2024 IEEE CONFERENCE ON ARTIFICIAL INTELLIGENCE, CAI 2024			638	643		10.1109/CAI59869.2024.00125	IEEE COMPUTER SOC		2nd IEEE Conference on Artificial Intelligence (CAI)	JUN 25-27, 2024	Singapore, SINGAPORE		979-8-3503-5410-2; 979-8-3503-5409-6		WoS
180	Proceedings Paper	Kalibhat, R; Kulkarni, R; Mondal, PK	Laser Speckle Contrast Imaging for Plant and Seed Characterization	2024	2024 IEEE APPLIED SENSING CONFERENCE, APSCON						10.1109/APSCON60364.2024.10465783	IEEE		25th IEEE Applied Sensing Conference (IEEE APSCON)	JAN 22-24, 2024	INDIA		979-8-3503-1727-5		WoS
181	Proceedings Paper	Bhattacharya, A; Gorain, B; Mandal, PS	Pebble Guided Treasure Hunt in Plane	2023	NETWORKED SYSTEMS, NETYS 2023	14067		141	156		10.1007/978-3-031-37765-5_11	SPRINGER INTERNATIONAL PUBLISHING AG		11th International Conference on Networked Systems (NETYS)	MAY 22-24, 2023	Benguerir, MOROCCO	0302-9743	978-3-031-37764-8; 978-3-031-37765-5		WoS
182	Proceedings Paper	Bagga, S; Gupta, R; Jose, J	PortBlocker: Detection and Mitigation of Hardware Trojan through Re-routing and Bypassing	2023	2023 IEEE 16TH INTERNATIONAL SYMPOSIUM ON EMBEDDED MULTICORE/MANY-CORE SYSTEMS-ON-CHIP, MCSOC			325	331		10.1109/MCSOC60832.2023.00055	IEEE COMPUTER SOC		16th IEEE International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSOC)	DEC 18-21, 2023	Singapore Univ Technol & Design, Singapore, SINGAPORE	2771-3067	979-8-3503-9361-3		WoS
183	Proceedings Paper	Su, YH; Bhowmick, P; Lanzon, A	A negative imaginary solution to an aircraft platooning problem	2024	2024 EUROPEAN CONTROL CONFERENCE, ECC 2024			2580	2585		10.23919/ECC64448.2024.10591252	IEEE		European Control Conference (ECC)	JUN 25-28, 2024	Stockholm, SWEDEN		979-8-3315-4092-0; 978-3-9071-4410-7		WoS
184	Proceedings Paper	Kalimullah, NMM; Ojha, S; Shelke, A; Habib, A	ACOUSTIC EMISSION SOURCE LOCALIZATION IN PLATES THROUGH SUPPORT VECTOR MACHINE WITH GENETIC OPTIMIZATION	2023	PROCEEDINGS OF 2023 50TH ANNUAL REVIEW OF PROGRESS IN QUANTITATIVE NONDESTRUCTIVE EVALUATION, QNDE2023							AMER SOC MECHANICAL ENGINEERS		50th Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE)	JUL 24-27, 2023	Austin, TX		978-0-7918-8720-2		WoS
185	Proceedings Paper	Gupta, A; Narayanan, VL; Dwivedy, SK; Mukherjee, S	Swimming Performance of a Ribbon Fin Inspired Biomimetic Underwater Propulsor Actuated by IPMC	2024	10TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTING AND COMMUNICATION TECHNOLOGIES, CONECCT 2024						10.1109/CONECCT62155.2024.10677282	IEEE		10th IEEE International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT)	JUL 12-14, 2024	Indian Inst Sci, Bangalore, INDIA	2334-0940	979-8-3503-8593-9; 979-8-3503-8592-2		WoS
186	Proceedings Paper	Sankar, S; Gupta, R; Jose, J; Nandi, S	Enhancing Anonymity in NoC Communication to Counter Traffic Profiling by Hardware Trojans	2023	2023 IEEE 16TH INTERNATIONAL SYMPOSIUM ON EMBEDDED MULTICORE/MANY-CORE SYSTEMS-ON-CHIP, MCSOC			560	567		10.1109/MCSOC60832.2023.00088	IEEE COMPUTER SOC		16th IEEE International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSOC)	DEC 18-21, 2023	Singapore Univ Technol & Design, Singapore, SINGAPORE	2771-3067	979-8-3503-9361-3		WoS
187	Proceedings Paper	Das, P; Kapoor, HK	NDIE: A Near DRAM Inference Engine Exploiting DIMM's Parallelism	2024	2023 IEEE ASIA PACIFIC CONFERENCE ON CIRCUITS AND SYSTEMS, APCCAS			333	337		10.1109/APCCA560141.2023.00081	IEEE COMPUTER SOC		Asia Pacific Conference on Circuits and Systems (APCCAS)	NOV 19-22, 2023	Hyderabad, INDIA	2837-4576	979-8-3503-8119-1		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
188	Proceedings Paper	Pandey, S; Kumari, P; Gupta, HP; Rao, SV	Advancing LoRaWAN Network Efficiency through Dynamic Receive Window Adjustment	2024	2024 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, WCNC 2024						10.1109/WCNC57260.2024.10571078	IEEE		IEEE Wireless Communications and Networking Conference (IEEE WCNC)	APR 21-24, 2024	Dubai, U ARAB EMIRATE S	1525-3511	979-8-3503-0358-2; 979-8-3503-0359-9		WoS
189	Proceedings Paper	Sharma, AK; Kukreja, R; Prasad, R; Rao, S	DAGSurv: Directed Acyclic Graph Based Survival Analysis Using Deep Neural Networks	2021	ASIAN CONFERENCE ON MACHINE LEARNING, VOL 157	157		1065	1080			JMLR-JOURNAL MACHINE LEARNING RESEARCH		13th Asian Conference on Machine Learning (ACML)	NOV 17-19, 2021	ELECTR NETWORK	2640-3498			WoS
190	Proceedings Paper	Hazra, A; Mali, B; Kalita, A; Gurusamy, M	Federated Learning for Cost Optimized Offloading in Edge-enabled Industrial Internet of Things	2024	2023 IEEE FUTURE NETWORKS WORLD FORUM, FNWF						10.1109/FNWF58287.2023.10520588	IEEE		IEEE Future Networks World Forum (FNWF)	NOV 13-15, 2023	Baltimor e, MD	2770-7660	979-8-3503-2458-7		WoS
191	Proceedings Paper	Sinha, S; Sinha, RK	ALRA: Adaptive Low-Rank Approximations for Neural Network Pruning	2024	2024 IEEE 48TH ANNUAL COMPUTERS, SOFTWARE, AND APPLICATIONS CONFERENCE, COMPSAC 2024			1636	1641		10.1109/COMP SAC61105.2024.00257	IEEE COMPUTER SOC		48th Annual IEEE International Computers, Software, and Applications Conference (COMPSAC) - Digital Development for a Better Future	JUL 02-04, 2023	Osaka Univ, Nakanos hima Ctr, Osaka, JAPAN	2836-3787	979-8-3503-7697-5; 979-8-3503-7696-8		WoS
192	Proceedings Paper	Kaum, AK; Dittmar, C; Sani, P; Zalkow, F; Habets, EAP; Patra, R	PAD-VC: A PROSODY-AWARE DECODER FOR ANY-TO- FEW VOICE CONVERSION	2024	2024 18TH INTERNATIONAL WORKSHOP ON ACOUSTIC SIGNAL ENHANCEMENT, IWAENC 2024			389	393		10.1109/IWAEN C61483.2024.10694576	IEEE		18th International Workshop on Acoustic Signal Enhancement (IWAENC)	SEP 09-12, 2024	Aalborg, DENMAR K	2639-4316	979-8-3503-6186-5; 979-8-3503-6185-8		WoS
193	Proceedings Paper	Surya, HR; Maurya, AK; Arkatkar, S	A Comprehensive Review of Car-Following Models: Heterogeneous Non-Lane-Based Traffic Viewpoint	2024	TRAFFIC AND GRANULAR FLOW 2022, TGF 2022	443		303	310		10.1007/978-981-99-7976-9_37	SPRINGER-VERLAG SINGAPORE PTE LTD		14th Conference on Traffic and Granular Flow (TGF)	OCT 15-17, 2022	IIT Delhi, New Delhi, INDIA	2366-2557	978-981-99-7978-3; 978-981-99-7976-9; 978-981-99-7975-2		WoS
194	Proceedings Paper	Tomar, A; Misra, A; Rawtani, A; Bag, A; Kumar, R	AIN/ β -Ga2O3 MOSHEMT as Biosensor	2024	2024 IEEE APPLIED SENSING CONFERENCE, APSCON						10.1109/APSCO N60364.2024.10465995	IEEE		25th IEEE Applied Sensing Conference (IEEE APSCON)	JAN 22-24, 2024	INDIA		979-8-3503-1727-5		WoS
195	Proceedings Paper	Das, D; Bag, S; Pal, S; Amin, MR	PREDICTION OF SURFACE PROFILE IN FRICTION STIR WELDING USING COUPLED EULERIAN AND LAGRANGIAN METHOD	2020	PROCEEDINGS OF THE ASME 2020 INTERNATIONAL MECHANICAL ENGINEERING CONGRESS AND EXPOSITION, IMECE2020, VOL 11							AMER SOC MECHANICAL ENGINEERS		ASME International Mechanical Engineering Congress and Exposition (IMECE)	NOV 16-19, 2020	ELECTR NETWORK		978-0-7918-8459-1		WoS
196	Proceedings Paper	Raj, H; Singh, U; Manoj, BR	On the Performance of IRS-Assisted SSK and RPM over Rician Fading Channels	2024	2024 IEEE 99TH VEHICULAR TECHNOLOGY CONFERENCE, VTC2024-SPRING						10.1109/VTC2024-SPRING62846.2024.10683164	IEEE		IEEE 99th Vehicular Technology Conference (VTC-Spring)	JUN 24-27, 2024	Singapor e, SINGAPO RE		979-8-3503-8741-4	Green Submitted	WoS
197	Proceedings Paper	Kumar, S; Patel, J; Kulkarni, V; Jammy, SP	REAL GAS EFFECTS ON DRAG REDUCTION FOR SPIKES OF DIFFERENT GEOMETRY	2019	PROCEEDINGS OF THE 25TH NATIONAL AND 3RD INTERNATIONAL ISHMT-ASTFE HEAT AND MASS TRANSFER CONFERENCE, IHMTc 2019							BEGELL HOUSE, INC		25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTc)	DEC 28-31, 2019	Roorkee, INDIA	2688-7231	978-1-56700-496-0		WoS
198	Proceedings Paper	Bhardwaj, AK; Chattopadhyay, A; Mashreghi, J; Srivastava, RK	Hilbert Transform in the Cartwright-de Branges Space	2024	OPERATOR AND MATRIX THEORY, FUNCTION SPACES, AND APPLICATIONS, IWOTA 2022	295		99	114		10.1007/978-3-031-50613-0_3	BIRKHAUSER VERLAG AG		International Workshop on Operator Theory and its Applications (IWOTA)	SEP 06-10, 2022	Krakow, POLAND	0255-0156	978-3-031-50615-4; 978-3-031-50613-0; 978-3-031-50612-3		WoS
199	Proceedings Paper	Kumar, MH; 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						10.1109/NCC60321.2024.10486034	IEEE		30th National Conference on Communications (NCC)	FEB 28-MAR 02, 2024	Chennai, INDIA		979-8-3503-5922-0		WoS
200	Proceedings 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	THIRTY-EIGHTH AAAI CONFERENCE ON ARTIFICIAL INTELLIGENCE, VOL 38 NO 16			17673	####			ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE		38th AAAI Conference on Artificial Intelligence (AAAI) / 36th Conference on Innovative Applications of Artificial Intelligence / 14th Symposium on Educational Advances in Artificial Intelligence	FEB 20-27, 2024	Vancouv er, CANADA	2159-5399			WoS
201	Proceedings Paper	Chaudhary, P; Chauhan, I; Manoj, BR; Bhatnagar, MR	Linear Regression-Based Channel Estimation for Non-Gaussian Noise	2024	2024 IEEE 99TH VEHICULAR TECHNOLOGY CONFERENCE, VTC2024-SPRING						10.1109/VTC2024-SPRING62846.2024.10683532	IEEE		IEEE 99th Vehicular Technology Conference (VTC-Spring)	JUN 24-27, 2024	Singapor e, SINGAPO RE		979-8-3503-8741-4		WoS
202	Proceedings Paper	Das, S; Patel, H; Karfa, C; Bellamkonda, K; Reddy, R; Puri, D; Jain, A; Sur, A; Prajapati, P	RTL Simulation Acceleration with Machine Learning Models	2024	2024 25TH INTERNATIONAL SYMPOSIUM ON QUALITY ELECTRONIC DESIGN, ISQED 2024						10.1109/ISQED60706.2024.10528688	IEEE		25th International Symposium on Quality Electronic Design (ISQED)	APR 03-05, 2024	San Francisco , CA	1948-3287	979-8-3503-0927-0; 979-8-3503-0928-7		WoS
203	Proceedings Paper	Pandey, S; Kumari, P; Gupta, HP; Rai, D; Rao, SV	A Site-Specific LoRaWAN Parameters Selection Approach with Multi-loss Propagation Model	2024	2024 23RD IFIP NETWORKING CONFERENCE, IFIP NETWORKING 2024			350	358		10.23919/IFIPN etworking62109.2024.10619879	IEEE		23rd International-Federation-for-Information-Processing (IFIP) Networking Conference (IFIP Networking)	JUN 03-06, 2024	Thessalo niki, GREECE		979-8-3503-9060-5; 978-3-903176-63-8		WoS
204	Proceedings Paper	Sonia, M; Kalita, I; Devi, D	A Breast Cancer Prognosis Model using PyRadiomics and Image Segmentation from MRI data	2024	PROCEEDINGS OF THE 2024 THE 7TH INTERNATIONAL CONFERENCE ON MACHINE VISION AND APPLICATIONS, ICMVA 2024			27	34		10.1145/3653946.3653951	ASSOC COMPUTING MACHINERY		7th International Conference on Machine Vision and Applications (ICMVA)	MAR 12-14, 2024	Singapor e, SINGAPO RE		979-8-4007-1655-3	hybrid	WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
205	Proceedings Paper	Jana, S; Italiano, GF; Kashyop, MJ; Konstantinidis, AL; Kosinas, E; Mandal, PS	Online Drone Scheduling for Last-Mile Delivery	2024	STRUCTURAL INFORMATION AND COMMUNICATION COMPLEXITY, SIROCCO 2024	14662		488	493		10.1007/978-3-031-60603-8_27	SPRINGER INTERNATIONAL PUBLISHING AG		31st International Colloquium on Structural Information and Communication Complexity (SIROCCO)	MAY 27-29, 2024	ITALY	0302-9743	978-3-031-60602-1; 978-3-031-60603-8		WoS
206	Proceedings Paper	Prasad, AK; Bag, S; Kapil, S; Amin, MR	METAL TRANSFER BEHAVIOR AND DROPLET CHARACTERISTICS OF HIGH-FREQUENCY INDUCTION HEATING SYSTEM TOWARDS THE DEVELOPMENT OF ADDITIVE MANUFACTURING PROCESS	2023	PROCEEDINGS OF ASME 2023 INTERNATIONAL MECHANICAL ENGINEERING CONGRESS AND EXPOSITION, IMECE2023, VOL 10							AMER SOC MECHANICAL ENGINEERS		ASME International Mechanical Engineering Congress and Exposition (IMECE)	OCT 29-NOV 02, 2023	Undergraduate Res & Design Expo, New Orleans, LA		978-0-7918-8767-7		WoS
207	Proceedings Paper	Al-Ajamee, M	Evaluation of variability of shear wave velocity in India	2024	GEOSHANGHAI 2024 INTERNATIONAL CONFERENCE, VOL 5	1334					10.1088/1755-1315/1334/1/012052	IOP PUBLISHING LTD		5th GeoShanghai International Conference	MAY 26-29, 2024	Tongji Univ, Coll Civil Engrn, Shanghai, PEOPLES R CHINA	1755-1307		gold	WoS
208	Proceedings Paper	Jain, A; Sarvendranath, R; Kashyap, S	Joint Antenna Selection and Beamforming for an IRS Aided IoT System	2024	2024 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, WCNC 2024						10.1109/WCNC57260.2024.10570704	IEEE		IEEE Wireless Communications and Networking Conference (IEEE WCNC)	APR 21-24, 2024	Dubai, U ARAB EMIRATES	1525-3511	979-8-3503-0358-2; 979-8-3503-0359-9		WoS
209	Proceedings Paper	Adiba, A; Ahad, T; Meitei, PN	Forming free resistive switching with battery-like characteristics in Ag/ZnFe2O4/ITO ReRAM device	2024	2024 IEEE INTERNATIONAL MEETING FOR FUTURE OF ELECTRON DEVICES, KANSAI, IMFEDK 2024						10.1109/IMFEDK64776.2024.10814557	IEEE		2024 International Meeting for Future of Electron Devices	NOV 21-22, 2024	Kyoto, JAPAN	2836-9955	979-8-3315-0672-8; 979-8-3315-0671-1		WoS
210	Meeting Abstract	Kamale, C; Rauniyar, A; Goyal, A; Bhaumik, P	Structure-guided improvement of glucose tolerance and catalytic efficiency of β -glucosidase from Clostridium thermocellum for industrial bioethanol production	2024	ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES	80						INT UNION CRYSTALLOGRAPHY					2053-2733			WoS
211	Proceedings Paper	Singh, A; Sharma, S; Sharma, M; Deka, K	DL-based MIMO-OTFS with Hardware Impairments	2024	2024 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, WCNC 2024						10.1109/WCNC57260.2024.10570682	IEEE		IEEE Wireless Communications and Networking Conference (IEEE WCNC)	APR 21-24, 2024	Dubai, U ARAB EMIRATES	1525-3511	979-8-3503-0358-2; 979-8-3503-0359-9		WoS
212	Proceedings Paper	Phukan, OC; Das, A; Buduru, AB; Sharma, R	SONIC: Synergizing VisiON Foundation Models for Stress RecognItion from ECG signals	2024	32ND EUROPEAN SIGNAL PROCESSING CONFERENCE, EUSIPCO 2024			1421	1425		10.23919/EUSIPCO63174.2024.10715268	IEEE		32nd European Signal Processing Conference (EUSIPCO)	AUG 26-30, 2024	Lyon, FRANCE	2076-1465	978-9-4645-9361-7; 979-8-3315-1977-3	Green Submitted	WoS
213	Proceedings Paper	Singh, PK; Singh, R; Nandi, SK; Nandi, S	Smart Contract Based Decentralized Parking Management in ITS	2019	INNOVATIONS FOR COMMUNITY SERVICES, IACS 2019	1041		66	77		10.1007/978-3-030-22482-0_6	SPRINGER INTERNATIONAL PUBLISHING AG		19th International Conference on Innovations for Community Services (I4CS)	JUN 24-26, 2019	Wolfsburg, GERMANY	1865-0929	978-3-030-22481-3; 978-3-030-22482-0		WoS
214	Proceedings Paper	Singh, PK; Singh, R; Nandi, SK; Nandi, S	Managing Smart Home Appliances with Proof of Authority and Blockchain	2019	INNOVATIONS FOR COMMUNITY SERVICES, IACS 2019	1041		221	232		10.1007/978-3-030-22482-0_16	SPRINGER INTERNATIONAL PUBLISHING AG		19th International Conference on Innovations for Community Services (I4CS)	JUN 24-26, 2019	Wolfsburg, GERMANY	1865-0929	978-3-030-22481-3; 978-3-030-22482-0		WoS
215	Proceedings Paper	Erlei, A; Sharma, A; Gadiraju, U	Understanding Choice Independence and Error Types in Human-AI Collaboration	2024	PROCEEDINGS OF THE 2024 CHI CONFERENCE ON HUMAN FACTORS IN COMPUTING SYTEMS, CHI 2024						10.1145/3613904.3641946	ASSOC COMPUTING MACHINERY		CHI Conference on Human Factors in Computing Sytems (CHI)	MAY 11-16, 2024	Honolulu, HI		979-8-4007-0330-0	hybrid	WoS
216	Proceedings Paper	Singh, V; Bharali, K; Kalita, I; Roy, M; Debnath, N; Saharia, M; Das, A	Inception Time Model for Structural Damage Detection Using Vibration Measurements	2024	FOURTH CONGRESS ON INTELLIGENT SYSTEMS, VOL 2, CIS 2023	869		103	122		10.1007/978-981-99-9040-5_7	SPRINGER-VERLAG SINGAPORE PTE LTD		4th Congress on Intelligent Systems (CIS)	SEP 04-05, 2023	CHRIST, Bengaluru, INDIA	2367-3370	978-981-99-9039-9; 978-981-99-9040-5		WoS
217	Proceedings Paper	Jha, VK; Sarvendranath, R; Shaik, ZH	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	IEEE		15th International Conference on Signal Processing and Communications (SPCOM)	JUL 01-04, 2024	Indian Inst Sci, Bangalor e, INDIA	2474-9168	979-8-3503-5046-3; 979-8-3503-5045-6		WoS
218	Proceedings Paper	Sharma, V; Kumar, A; Jha, D; Bhuyan, MK; Das, PK; Bagci, U	ControlPolypNet: Towards Controlled Colon Polyp Synthesis for Improved Polyp Segmentation	2024	2024 IEEE/CVF CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION WORKSHOPS, CVPRW			2325	2334		10.1109/CVPRW63382.2024.00238	IEEE COMPUTER SOC		IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)	JUN 16-22, 2024	Seattle, WA	2160-7508	979-8-3503-6547-4		WoS
219	Proceedings Paper	Singh, PK; Singh, R; Nandi, SK; Nandi, S	Designing a Blockchain Based Framework for IoT Data Trade	2020	INNOVATIONS FOR COMMUNITY SERVICES, IACS 2020	1139		295	308		10.1007/978-3-030-37484-6_17	SPRINGER INTERNATIONAL PUBLISHING AG		20th International Conference on Innovations for Community Services (I4CS)	JAN 12-14, 2020	Bhubaneswar, INDIA	1865-0929	978-3-030-37483-9; 978-3-030-37484-6		WoS
220	Proceedings 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 37TH INTERNATIONAL CONFERENCE ON VLSI DESIGN, VLSID 2024 AND 23RD INTERNATIONAL CONFERENCE ON EMBEDDED SYSTEMS, ES 2024			354	359		10.1109/VLSID60093.2024.00065	IEEE COMPUTER SOC		37th International Conference on VLSI Design (VLSID) / 23rd International Conference on Embedded Systems (ES)	JAN 06-10, 2024	Kolkata, INDIA	1063-9667	979-8-3503-8440-6		WoS
221	Proceedings Paper	Bag, S; Amin, MR	DEVELOPMENT OF AN ARBITRARY ADAPTIVE VOLUMETRIC HEAT SOURCE MODEL FOR KEYHOLE MODE LASER WELDING PROCESS	2019	PROCEEDINGS OF THE ASME INTERNATIONAL MECHANICAL ENGINEERING CONGRESS AND EXPOSITION, 2019, VOL 8							AMER SOC MECHANICAL ENGINEERS		ASME International Mechanical Engineering Congress and Exposition (IMECE)	NOV 08-14, 2019	Salt Lake City, UT		978-0-7918-5945-2		WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
222	Proceedings Paper	Kumar, P; Aryan; Dhakat, K	Outage Probability of Wireless Powered Cooperative NOMA over Fluctuating Two-Ray Fading	2024	2024 IEEE 99TH VEHICULAR TECHNOLOGY CONFERENCE, VTC2024-SPRING						10.1109/VTC2024-SPRING62846.2024.10683234	IEEE		IEEE 99th Vehicular Technology Conference (VTC-Spring)	JUN 24-27, 2024	Singapor e, SINGAPORE		979-8-3503-8741-4		WoS
223	Proceedings Paper	Shyam, S; Mehta, B; Mondal, PK; Asfer, M	Internal Flow Dynamics of Ferrofluid Droplet Under the Influence of Magnetic Field	2019	PROCEEDINGS OF THE 25TH NATIONAL AND 3RD INTERNATIONAL ISHMT-ASTFE HEAT AND MASS TRANSFER CONFERENCE, IHMTC 2019							BEGELL HOUSE, INC		25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC)	DEC 28-31, 2019	Roorkee, INDIA	2688-7231	978-1-56700-496-0		WoS
224	Proceedings Paper	Kumar, M; Khan, AK; Roy, S; Chakrabarty, K; Bhattacharjee, S	Accelerating Fluid Loading in Sample Preparation with Fully Programmable Valve Arrays	2024	PROCEEDINGS OF THE 37TH INTERNATIONAL CONFERENCE ON VLSI DESIGN, VLSID 2024 AND 23RD INTERNATIONAL CONFERENCE ON EMBEDDED SYSTEMS, ES 2024			402	407		10.1109/VLSID60093.2024.00073	IEEE COMPUTER SOC		37th International Conference on VLSI Design (VLSID) / 23rd International Conference on Embedded Systems (ES)	JAN 06-10, 2024	Kolkata, INDIA	1063-9667	979-8-3503-8440-6		WoS
225	Proceedings Paper	Josna, VR; Kunthara, RG; James, RK; Jose, J	Modelling and Impact Analysis of Push Back Attack in 3D Bufferless Network on Chip	2023	2023 IEEE 16TH INTERNATIONAL SYMPOSIUM ON EMBEDDED MULTICORE/MANY-CORE SYSTEMS-ON-CHIP, MCSOC			426	432		10.1109/MCSoc60832.2023.00070	IEEE COMPUTER SOC		16th IEEE International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoc)	DEC 18-21, 2023	Singapor e Univ Technol & Design, Singapor e, SINGAPORE	2771-3067	979-8-3503-9361-3		WoS
226	Article; Proceedings Paper	Pankaj, P; Biswas, P; Kim, D	Metallurgical characteristics and mechanical properties of dissimilar friction stir welded DH36 steel and UNS G10080 steel joints	2024	MANUFACTURING LETTERS	41		384	394		10.1016/j.mfglett.2024.09.046	ELSEVIER		52nd SME North American Manufacturing Research Conference (NAMRC)	JUN 17-21, 2024	Univ Tennessee Knoxville, Knoxville, TN	2213-8463			WoS
227	Proceedings Paper	Bhuyan, S; Basu, DN	Numerical analysis of mixed convection flow using non-Boussinesq approximation lattice Boltzmann method	2019	PROCEEDINGS OF THE 25TH NATIONAL AND 3RD INTERNATIONAL ISHMT-ASTFE HEAT AND MASS TRANSFER CONFERENCE, IHMTC 2019							BEGELL HOUSE, INC		25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC)	DEC 28-31, 2019	Roorkee, INDIA	2688-7231	978-1-56700-496-0		WoS
228	Proceedings Paper	Gonde, K; Patil, PW; Vipparthi, SK; Murala, S; Patil, P; Kimbahune, V	AeroDehazeNet: Exploiting Selective Multi-Scale Transformers for Aerial Image Dehazing	2024	2024 IEEE INTERNATIONAL CONFERENCE ON ADVANCED VIDEO AND SIGNAL BASED SURVEILLANCE, AVSS 2024						10.1109/AVSS61716.2024.10672614	IEEE		20th IEEE International Conference on Advanced Video and Signal-Based Surveillance (AVSS)	JUL 15-16, 2024	Niagara Falls, CANADA	2643-6205	979-8-3503-7429-2; 979-8-3503-7428-5		WoS
229	Proceedings Paper	Deshmukh, V; Dukre, A; Kulkarni, A; Patil, PW; Vipparthi, SK; Murala, S; Gonde, AB	Zero Reference based Low-light Enhancement with Wavelet Optimization	2024	2024 IEEE INTERNATIONAL CONFERENCE ON ADVANCED VIDEO AND SIGNAL BASED SURVEILLANCE, AVSS 2024						10.1109/AVSS61716.2024.10672597	IEEE		20th IEEE International Conference on Advanced Video and Signal-Based Surveillance (AVSS)	JUL 15-16, 2024	Niagara Falls, CANADA	2643-6205	979-8-3503-7429-2; 979-8-3503-7428-5		WoS
230	Proceedings Paper	Borah, SS; Ghosh, M; Nagar, BC; Sundaravadivel, P	Design and Analysis of an Electronically Tunable VDTA-Based Quadrature Oscillator	2024	2024 IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI, ISVLSI			704	707		10.1109/ISVLSI61997.2024.00135	IEEE COMPUTER SOC		IEEE-Computer-Society Annual Symposium on VLSI (ISVLSI)	JUL 01-03, 2024	Knoxville, TN	2159-3469	979-8-3503-5411-9		WoS
231	Proceedings Paper	Mulpuri, SK; Sah, B; Kumar, P	The Impact of Relaxation Time on Cell Degradation across the Life Cycle under diverse operating temperatures	2024	2024 IEEE TRANSPORTATION ELECTRIFICATION CONFERENCE AND EXPO, ITEC 2024						10.1109/ITEC60657.2024.10598862	IEEE		Transportation Electrification Conference and Expo (ITEC)	JUN 19-21, 2024	Chicago, IL	2377-5483	979-8-3503-1767-1; 979-8-3503-1766-4		WoS
232	Proceedings Paper	Alom, N; Talukdar, PK; Sarkar, BK; Saha, UK	INFLUENCE OF CONCENTRATED AUGMENTER ON THE PERFORMANCE OF A TWO-BLADED SAVONIUS WIND ROTOR COMPOSED OF ARC-ELLIPTICAL PROFILE	2023	PROCEEDINGS OF ASME 2023 GAS TURBINE INDIA CONFERENCE, GTINDIA2023							AMER SOC MECHANICAL ENGINEERS		8th Biennial ASME Gas Turbine India Conference (GTINDIA) - Power and Propulsion - A Sustainable Future	DEC 07-08, 2023	Infosys, Bangalor e, INDIA		978-0-7918-8772-1		WoS
233	Proceedings Paper	Ojha, S; Shelke, A; Tiwari, SB; Santhosh, B; Thomas, S; Habib, A	DAMAGE LOCALIZATION IN PLATES USING ENERGY OF ACOUSTIC EMISSION THROUGH GAUSSIAN PROCESS REGRESSION	2023	PROCEEDINGS OF 2023 50TH ANNUAL REVIEW OF PROGRESS IN QUANTITATIVE NONDESTRUCTIVE EVALUATION, QNDE2023							AMER SOC MECHANICAL ENGINEERS		50th Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE)	JUL 24-27, 2023	Austin, TX		978-0-7918-8720-2		WoS
234	Proceedings Paper	Kamble, AD; Singh, A; Singh, D; Das, D; Kapil, S; Kalita, P	FEASIBILITY STUDY OF HEAT TRANSFER ENHANCEMENT IN SOLAR PHOTOVOLTAIC-THERMAL SYSTEMS USING FDM GENERATED NOVEL CURVED THERMAL ABSORBERS	2023	PROCEEDINGS OF ASME 2023 GAS TURBINE INDIA CONFERENCE, GTINDIA2023							AMER SOC MECHANICAL ENGINEERS		8th Biennial ASME Gas Turbine India Conference (GTINDIA) - Power and Propulsion - A Sustainable Future	DEC 07-08, 2023	Infosys, Bangalor e, INDIA		978-0-7918-8772-1		WoS
235	Proceedings Paper	Mohemmi, M; Sadeghian, V; Panda, B; Boyle, S	Numerical Modeling of Lateral Resistance of 3D-Printed Concrete Walls	2024	FOURTH RILEM INTERNATIONAL CONFERENCE ON CONCRETE AND DIGITAL FABRICATION, DC 2024	53		457	464		10.1007/978-3-031-70031-6_53	SPRINGER INTERNATIONAL PUBLISHING AG		4th International Conference on Concrete and Digital Fabrication (Digital Concrete)	SEP 04-06, 2024	Tech Univ Munich, Munich, GERMANY	2211-0844	978-3-031-70033-0; 978-3-031-70031-6; 978-3-031-70030-9		WoS
236	Proceedings Paper	Mulpuri, SK; Samanta, K; Sah, B; Kumar, P	Cloud-based Battery Test Bed Development for Life Cycle and Performance Evaluation for Electric Vehicle Applications	2024	2024 IEEE TRANSPORTATION ELECTRIFICATION CONFERENCE AND EXPO, ITEC 2024						10.1109/ITEC60657.2024.10598894	IEEE		Transportation Electrification Conference and Expo (ITEC)	JUN 19-21, 2024	Chicago, IL	2377-5483	979-8-3503-1767-1; 979-8-3503-1766-4		WoS
237	Proceedings Paper	Chakraborty, S; Raj, H; Gureja, S; Jain, T; Hassan, A; Basu, S	Evaluating the Robustness of Biomedical Concept Normalization	2022	TRANSFER LEARNING FOR NATURAL LANGUAGE PROCESSING WORKSHOP, VOL 203	203		63	73			JMLR-JOURNAL MACHINE LEARNING RESEARCH		Workshop on Transfer Learning for Natural Language Processing	DEC 03, 2022	New Orleans, LA	2640-3498			WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Vol.	Issue	Page start	Page end	Page count	DOI	Publisher	Sponsors	Conference name	Conference date	Conferen ce	ISSN	ISBN	Open Access	Source
238	Proceedings Paper	Badireddi, S; Banerjee, R; Shah, PH; 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	IEEE		15th International Conference on Signal Processing and Communications (SPCOM)	JUL 01-04, 2024	Indian Inst Sci, Bangalor e, INDIA	2474-9168	979-8-3503-5046-3; 979-8-3503-5045-6		WoS
239	Proceedings Paper	Narayan, J; Dwivedy, SK	Adaptive Control of a Pediatric Gait Exoskeleton: Integrating RBF Neural Network with Non-Singular Fast Terminal Sliding Mode Scheme	2024	2024 10TH INTERNATIONAL CONFERENCE ON CONTROL, DECISION AND INFORMATION TECHNOLOGIES, CODIT 2024			922	927		10.1109/CoDIT62066.2024.10708630	IEEE		10th International Conference on Control, Decision and Information Technologies (CoDIT)	JUL 01-04, 2024	Vallette, MALTA	2576-3555	979-8-3503-7398-1; 979-8-3503-7397-4		WoS
240	Proceedings Paper	Mullick, SH; Kaushik, P; Mondal, PK; Kundu, PK	Entropy Generation in a Viscoelastic Fluid Squeezed and Extruded Between Two Parallel Plates	2019	PROCEEDINGS OF THE 25TH NATIONAL AND 3RD INTERNATIONAL ISHMT-ASTFE HEAT AND MASS TRANSFER CONFERENCE, IHMTC 2019							BEGELL HOUSE, INC		25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC)	DEC 28-31, 2019	Roorkee, INDIA	2688-7231	978-1-56700-496-0		WoS
241	Proceedings Paper	Kumar, A; Bag, S; Srivastava, VC; Amin, MR	THERMO-MECHANICAL BEHAVIOR OF MULTI-LAYER DEPOSITION FOR WIRE ARC ADDITIVE MANUFACTURING OF STRUCTURAL STEEL: WIRE ARC ADDITIVE MANUFACTURING	2022	PROCEEDINGS OF ASME 2022 INTERNATIONAL MECHANICAL ENGINEERING CONGRESS AND EXPOSITION, IMECE2022, VOL 3							AMER SOC MECHANICAL ENGINEERS		ASME International Mechanical Engineering Congress and Exposition (IMECE)	OCT 30-NOV 03, 2022	Columbu s, OH		978-0-7918-8665-6		WoS
242	Proceedings Paper	Mondal, R; Dey, AB; Arif, W; Kumar, S	Machine Learning Assisted Microwave Probing System for Comprehensive Human Tibial Fracture Detection	2024	10TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTING AND COMMUNICATION TECHNOLOGIES, CONECCT 2024						10.1109/CONECT62155.2024.10677237	IEEE		10th IEEE International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT)	JUL 12-14, 2024	Indian Inst Sci, Bangalor e, INDIA	2334-0940	979-8-3503-8593-9; 979-8-3503-8592-2		WoS
243	Proceedings Paper	Arora, A; He, XL; Mozes, M; Swain, S; Dras, M; Xu, QK	Here's a Free Lunch: Sanitizing Backdoored Models with Model Merge	2024	FINDINGS OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS: ACL 2024			15059	####			ASSOC COMPUTATIONAL LINGUISTICS-ACL		62nd Annual Meeting of the Association-for-Computational-Linguistics (ACL) / Student Research Workshop (SRW)	AUG 11-16, 2024	Bangkok, THAILAN D		979-8-89176-099-8		WoS
244	Proceedings Paper	Singh, S; Chaurasia, P; Varun, Y; Pandya, P; Gupta, V; Gupta, V; Roth, D	FlowVQA: Mapping Multimodal Logic in Visual Question Answering with Flowcharts	2024	FINDINGS OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS: ACL 2024			1330	1350			ASSOC COMPUTATIONAL LINGUISTICS-ACL		62nd Annual Meeting of the Association-for-Computational-Linguistics (ACL) / Student Research Workshop (SRW)	AUG 11-16, 2024	Bangkok, THAILAN D		979-8-89176-099-8		WoS
245	Proceedings Paper	Pratap, S; Narayan, J; Hatta, Y; Ito, K; Hazarika, SM	Robust Non-Singular Terminal Sliding Mode Control for Tendon-driven Hand Exoskeleton: A Numerical Study	2024	2024 10TH INTERNATIONAL CONFERENCE ON CONTROL, DECISION AND INFORMATION TECHNOLOGIES, CODIT 2024			2425	2430		10.1109/CoDIT62066.2024.10708339	IEEE		10th International Conference on Control, Decision and Information Technologies (CoDIT)	JUL 01-04, 2024	Vallette, MALTA	2576-3555	979-8-3503-7398-1; 979-8-3503-7397-4		WoS
246	Proceedings Paper	Hashemitaheri, M; Mittal, R; Cherukuri, H; Singh, R	EXTRACTING THE IN-PROCESS STRUCTURAL DYNAMICS PARAMETERS IN MICRO-MILLING OPERATIONS	2022	PROCEEDINGS OF ASME 2022 17TH INTERNATIONAL MANUFACTURING SCIENCE AND ENGINEERING CONFERENCE, MSEC2022, VOL 2							AMER SOC MECHANICAL ENGINEERS		ASME 17th International Manufacturing Science and Engineering Conference (MSEC) held jointly with the 50th North American Research Conference (NAMRC)	JUN 27-JUL 01, 2022	West Lafayette , IN		978-0-7918-8581-9		WoS
247	Proceedings Paper	Baruah, D; Roy, R; Ahmed, R; Subbiah, S; Chouhan, S; Angappan, K	Contextual Approaches to Data-Driven Fault Detection in Solar Photovoltaic System	2024	IEEE CONFERENCE ON EVOLVING AND ADAPTIVE INTELLIGENT SYSTEMS 2024, IEEE EAIS 2024			34	40		10.1109/EAIS58494.2024.10570026	IEEE		IEEE Conference on Evolving and Adaptive Intelligent Systems (IEEE EAIS)	MAY 23-24, 2024	Madrid, SPAIN	2330-4863	979-8-3503-6623-5; 979-8-3503-6624-2		WoS
248	Proceedings Paper	Baban, NS; Zhou, JR; Bhattacharya, S; Chatterjee, U; Bhattacharjee, S; Vijayavenkataraman, S; Song, YA; Mukhopadhyay, D; Chakrabarty, K; Karri, R	Physically Unclonable Fingerprints for Authentication	2024	APPLIED CRYPTOGRAPHY AND NETWORK SECURITY WORKSHOPS, PT II, ACNS 2024-AIBLOCK 2024, AIHWS 2024, AIOTS 2024, SCI 2024, AAC 2024, SIMLA 2024, LLE 2024, AND CIMSS 2024	14587		235	239		10.1007/978-3-031-61489-7_21	SPRINGER INTERNATIONAL PUBLISHING AG		22nd International Conference on Applied Cryptography and Network Security (ACNS)	MAR 05-08, 2024	Abu Dhabi, U ARAB EMIRATE S	0302-9743	978-3-031-61488-0; 978-3-031-61489-7		WoS
249	Proceedings Paper	Baban, NS; Roy, PB; John, P; Zam, A; Bhattacharjee, S; Song, YA; Karri, R; Chakrabarty, K	Attacks and Countermeasures for Digital Microfluidic Biochips Extended Abstract	2025	SECURITY, PRIVACY, AND APPLIED CRYPTOGRAPHY ENGINEERING, SPACE 2024	15351		1	5		10.1007/978-3-031-80408-3_1	SPRINGER INTERNATIONAL PUBLISHING AG		14th International Conference on Security, Privacy and Applied Cryptographic Engineering (SPACE)	DEC 14-17, 2024	Indian Institute of Informati on Technolo gy Kottayam , Kottayam , INDIA	0302-9743	978-3-031-80407-6; 978-3-031-80408-3		WoS
250	Proceedings Paper	Khan, MR; Mishra, P; Mehta, N; Phutke, SS; Vipparthi, SK; Nandi, S; Murala, S	Spectroformer: Multi-Domain Query Cascaded Transformer Network For Underwater Image Enhancement	2024	2024 IEEE/CVF WINTER CONFERENCE ON APPLICATIONS OF COMPUTER VISION, WACV 2024			1443	1452		10.1109/WACV57701.2024.00148	IEEE COMPUTER SOC		IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)	JAN 04-08, 2024	Waikoloa , HI	2472-6737	979-8-3503-1892-0; 979-8-3503-1893-7		WoS

Sl.N o.	Document Type	Authors	Title	Year	Source title	Volume	Page start	Page end	Page count	DOI	Publisher	ISBN	Publication Stage	Open Access	Source
1	Book chapter	Bhattacharya S.; Sonowal S.; Kumar S.	Virus classification	2025	Textbook of General Virology		24	28	4	10.1201/9781003369349-5	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
2	Book chapter	Bora N.R.; Singh K.; Kumar S.	Double-stranded RNA viruses	2025	Textbook of General Virology		69	73	4	10.1201/9781003369349-11	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
3	Book chapter	Patgiri R.	Mobile Theatre of Assam: The COVID-19 Pandemic, Challenges, and Responses	2025	Governing the Crisis: Narratives of COVID-19 in India		126	140	14	10.4324/9781003591641-10	Taylor and Francis	978-104031894-2; 978-103245807-6	Final		Scopus
4	Editorial	Bhowmick P.; Das S.; Arvin F.	Preface	2024	Bio-inspired Swarm Robotics and Control: Algorithms, Mechanisms, and Strategies		xv	xix			IGI Global	979-836931278-0; 979-836931277-3	Final		Scopus
5	Book	Kumar S.	Textbook of general virology	2025	Textbook of General Virology		1	196	195	10.1201/9781003369349	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
6	Book chapter	Aishwarya A.; Yadav V.; Goyal A.	Novel and tailor-made enzyme cocktails for saccharification of cellulosic biomass	2024	Handbook of Biorefinery Research and Technology: Biomass Logistics to Saccharification		951	975	24	10.1007/978-94-007-6308-1_75	Springer Netherlands	978-940076308-1; 978-940076307-4	Final		Scopus
7	Book	Majumder S.K.	Mechanical and Solid-Fluid Operations: Flow Past Immersed Body and Motion of Particles	2025	Mechanical and Solid-Fluid Operations: Flow Past Immersed Body and Motion of Particles		1	227	226	10.1201/9781003581123	CRC Press	978-104032279-6; 978-103294663-4	Final		Scopus
8	Book chapter	Ali Rizvi S.M.A.; Tripathi N.	The Chronicles of Retirement: An Ode to Challenges and Resilience in the Retirement Scenario	2025	Building a Resilient and Responsible World: Psychological Perspectives from India		123	136	13	10.1007/978-981-96-0108-0_7	Springer Nature	978-981960108-0; 978-981960107-3	Final		Scopus
9	Book chapter	Bora N.R.; Kumar S.	Methods used in virology	2025	Textbook of General Virology		11	16	5	10.1201/9781003369349-3	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
10	Book chapter	Dey A.; Ghosh S.; Majhi S.; Hoque A.N.; Chakrabarti A.	Systems biology approaches as a tool in understanding neurodevelopmental disorders: Some case studies	2024	Systems Biology Approaches: Prevention, Diagnosis, and Understanding Mechanisms of Complex Diseases		511	536	25	10.1007/978-981-99-9462-5_20	Springer Nature	978-981999462-5; 978-981999461-8	Final		Scopus
11	Book chapter	Das P.P.; Dhara S.; Samanta N.S.; Purkait M.K.	Ozonation Process for the Treatment of Wastewater Contaminants	2024	ACS Symposium Series	1475	93	109	16	10.1021/bk-2024-1475.ch005	American Chemical Society		Final		Scopus
12	Book chapter	Idrishi R.; Kataria P.; Karthik K.V.D.	Harnessing non-thermal technologies for probiotic and composite food development	2024	Non-Thermal Processing of Functional Foods		47	74	27	10.1201/9781003436560-3	CRC Press	978-104014956-0; 978-103255758-8	Final		Scopus
13	Book chapter	Sundararaman T.; Parmar D.	Federal polity in communicable disease control in India: Reviewing the first 75 years	2025	Federalism and Public Health in India: Dissonant Discourses		230	243	13	10.4324/9781003568711-17	Taylor and Francis	978-104026680-9; 978-103245168-8	Final		Scopus
14	Book chapter	Gupta A.; Mukherjee S.	Ionic polymer–metal composites: smart multifunctional properties and applications in an underwater environment	2025	Nanocomposite Manufacturing Technologies: Fundamental Principles, Mechanisms, and Processing		227	241	14	10.1016/B978-0-12-824329-9.00001-2	Elsevier	978-012824329-9; 978-012824330-5	Final		Scopus
15	Book chapter	Phurailatpam S.; Khwairakpam M.	Recent Development in Usage of Black Soldier Fly Larvae in Composting Process and Its Efficiency as a Potential Degradar	2025	Advanced Treatment Technologies for the Removal of Microplastics in Wastewater		150	174	24	10.1201/9781003379386-7	CRC Press	978-104034106-3; 978-103245947-9	Final		Scopus
16	Book chapter	Patel S.	Industrial organic waste to energy	2024	Biodegradable Waste Processing for Sustainable Developments		235	256	21	10.1201/9781003502012-11	CRC Press	978-104009915-5; 978-103266755-3	Final		Scopus
17	Book chapter	Devi N.D.; Chaudhuri A.	Valorization of algal blooms and their residues into renewable energy	2024	Biodegradable Waste Processing for Sustainable Developments		257	271	14	10.1201/9781003502012-12	CRC Press	978-104009915-5; 978-103266755-3	Final		Scopus
18	Book chapter	Dumka S.; Kumar S.	Transmission of viruses	2025	Textbook of General Virology		17	23	6	10.1201/9781003369349-4	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
19	Book chapter	Ghosh S.; Dey A.; Sarkar N.; Majhi S.; Barua S.; Bera A.; Hazra S.	Role of Prebiotics and Probiotics in the Protection Against Cervical Cancers	2025	The Role of Probiotics in Cancer Management		135	155	20		Apple Academic Press	978-104033406-5; 978-177491912-5	Final		Scopus
20	Book chapter	Agarwal K.; Rubeka; Jain S.; Heirangkhongjam M.D.; Agarwal A.	Gellan gum-based films	2024	Polysaccharide Based Films for Food Packaging: Fundamentals, Properties and Applications		197	217	20	10.1007/978-981-99-4898-7_8	Springer Nature	978-981994898-7; 978-981994897-0	Final		Scopus
21	Book chapter	Mallick R.; Vairakannu P.	Plasma gasification of solid waste for energy generation	2025	Energy From Plasma: Production and Storage		147	175	28	10.1016/B978-0-443-26584-6.00006-3	Elsevier	978-044326584-6; 978-044326585-3	Final		Scopus
22	Book chapter	Hazra S.; Sarkar S.; Gogoi M.; Patra S.	Nucleic acids used in biosensor applications for biomarker detection	2025	Materials and Components of Biosensors in Healthcare: Volume 2	2	559	581	22	10.1016/B978-0-443-21676-3.00005-4	Elsevier	978-044321676-3; 978-044321677-0	Final		Scopus
23	Book chapter	Shokeen K.; Kumar S.	Minus-strand RNA viruses	2025	Textbook of General Virology		78	90	12	10.1201/9781003369349-13	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
24	Book chapter	Pannu S.; Pandey L.M.; Tiwari P.	Applications of microbial biosurfactants in oil recovery	2024	Microbial Approaches for Sustainable Green Technologies		68	86	18	10.1201/9781003407683-4	CRC Press	978-100340768-3; 978-103252648-5	Final		Scopus
25	Book chapter	Kalyan E.; Manta A.; Lama R.; Borah U.; Basumatary P.; Bora U.	Innovations in Leguminous Microgreens: Recent Trends and Applications	2025	Recent Trends and Applications of Leguminous Microgreens as Functional Foods		237	262	25	10.1007/978-3-031-75678-8_11	Springer Nature	978-303175678-8; 978-303175677-1	Final		Scopus
26	Book	Roobert A.A.; Venkatesh M.; Rahi S.B.; Priya G.L., Sr.; Tensingh S., Sr.	Circuit Design for Modern Applications	2025	Circuit Design for Modern Applications		1	387	386	10.1201/9781003483052	CRC Press	978-104026990-9; 978-103277431-2	Final		Scopus
27	Book chapter	Roy P.; Tamang S.K.; Das S.; Rajasekaran T.	An application of deep neural network using GNS for solving complex fluid dynamics problems	2024	Metaheuristics Algorithm and Optimization of Engineering and Complex Systems		1	22	21	10.4018/979-8-3693-3314-3.ch001	IGI Global	979-836933315-0; 979-836933314-3	Final		Scopus
28	Book chapter	Chakraborty T.; R. S.; Hazra S.; Patra S.	Current challenges and future prospects for biosensor application in healthcare	2025	Applications of Biosensors in Healthcare: Volume 3	3	731	749	18	10.1016/B978-0-443-21592-6.00003-3	Elsevier	978-044321592-6; 978-044321593-3	Final		Scopus
29	Book chapter	Shrinidhi B.; Subhobrata P.; Tarun G.; Sanjukta P.	New-Age Bioremediation Strategies to Combat Microplastic Pollution in the Environment	2024	ACS Symposium Series	1482	181	212	31	10.1021/bk-2024-1482.ch008	American Chemical Society		Final		Scopus
30	Book chapter	Mukherjee P.; Pal S.; Sivaprakasam S.	Process parameter controls for efficient enzymatic hydrolysis of cellulosic biomass	2024	Handbook of Biorefinery Research and Technology: Biomass Logistics to Saccharification		1023	1051	28	10.1007/978-94-007-6308-1_77	Springer Netherlands	978-940076308-1; 978-940076307-4	Final		Scopus
31	Book chapter	Singh R.; Kumar S.; Rangan L.	Plant viruses	2025	Textbook of General Virology		137	145	8	10.1201/9781003369349-17	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus

Sl.N o.	Document Type	Authors	Title	Year	Source title	Volume	Page start	Page end	Page count	DOI	Publisher	ISBN	Publication Stage	Open Access	Source
32	Book chapter	Ghosh S.; Seth P.; Dey A.; Chowdhury R.; Chowdhury A.	Manipulating phageomes for modulating bacterial community in animal and human gut, and the effects of microbiome engineering	2024	Microbiome Engineering: The New Dimension of Biotechnology		130	148	18	10.1201/9781003394662-9	CRC Press	978-100339466-2; 978-103247960-6	Final		Scopus
33	Book chapter	Devi N.B.; Sen S.; Pakshirajan K.	Artificial Intelligence in Synthetic Biology	2025	Artificial Intelligence and Biological Sciences		278	300	22		CRC Press	978-104038482-4; 978-103278120-4	Final		Scopus
34	Book chapter	Vishnu P.V.; Sathasivam J.; Kumar A.; Narayanasamy S.	Valorisation of agricultural waste into a low-cost adsorbent: Perspective of reutilization	2024	Agricultural Waste to Value-Added Products: Bioproducts and its Applications		125	149	24	10.1007/978-981-97-2535-9_6	Springer Nature	978-981972535-9; 978-981972534-2	Final		Scopus
35	Book chapter	Bhattacharya S.; Sonowal S.; Kumar S.	Virus structure	2025	Textbook of General Virology		29	34	5	10.1201/9781003369349-6	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
36	Book chapter	Goyal A.	Section IV: Enzymatic saccharification of cellulosic biomass	2024	Handbook of Biorefinery Research and Technology: Biomass Logistics to Saccharification		861	862	1		Springer Netherlands	978-940076308-1; 978-940076307-4	Final		Scopus
37	Book chapter	Tripathi P.; Mohanty K.	Fermentative biohydrogen production for sustainable energy	2024	Handbook of Biorefinery Research and Technology: Production of Biofuels and Biochemicals		135	163	28	10.1007/978-981-97-7586-6_60	Springer	978-981977586-6; 978-981977585-9	Final		Scopus
38	Book chapter	Roy D.; Chakraborty M.; Bandyopadhyay D.; Gooh Pattader P.S.	Ferroelectric Polymer-Based Field-Effect Transistor (FeFET) and its Applications	2025	FeFET Devices, Trends, Technology and Applications		27	56	29	10.1002/9781394287307_2	John Wiley and Sons Inc	978-139428730-7; 978-139428727-7	Final		Scopus
39	Book chapter	Chauhan A.S.; Sen A.; Kumar S.	Viral pathogenesis	2025	Textbook of General Virology		41	46	5	10.1201/9781003369349-8	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
40	Book	Majumder S.K.	Mechanical and Solid-Fluid Operations: Separation of Particulate Materials	2025	Mechanical and Solid-Fluid Operations: Separation of Particulate Materials		1	278	277	10.1201/9781003571377	CRC Press	978-104032283-3; 978-103294548-4	Final		Scopus
41	Book chapter	Sensharma S.; Thakuria N.; Pramanik S.	Neuroinflammatory mechanism of neuropathic pain in breast cancer and diabetes	2024	Diabetes and Breast Cancer: An Analysis of Signaling Pathways		11	47	36	10.2174/9789815256024124010006	Bentham Science Publishers	978-981525602-4; 978-981525603-1	Final		Scopus
42	Book chapter	Mehta D.; Kumar S.	Oncolytic viruses	2025	Textbook of General Virology		146	153	7	10.1201/9781003369349-18	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
43	Book chapter	Venkatesh M.; Roobert A.A.; Mani V.R.S.; Suruthi Minna A.; Remya G.	Design and modeling of gate engineered tunnel field-effect transistor	2024	Handbook of Emerging Materials for Semiconductor Industry		227	240	13	10.1007/978-981-99-6649-3_18	Springer Nature	978-981996649-3; 978-981996648-6	Final		Scopus
44	Book chapter	Singh K.; Bora N.R.; Kumar S.	Double-stranded DNA viruses	2025	Textbook of General Virology		47	56	9	10.1201/9781003369349-9	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
45	Book	Purkait M.K.; Das P.P.; Bharti M.	Electrocoagulation: Fundamentals and Applications in Water and Wastewater Treatment	2025	Electrocoagulation: Fundamentals and Applications in Water and Wastewater Treatment		1	179	178	10.1201/9781003499671	CRC Press	978-104035059-1; 978-103279650-5	Final		Scopus
46	Book chapter	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	978-104009915-5; 978-103266755-3	Final		Scopus
47	Book chapter	Nongbet Sohlang I.; Shallam R.D.K.	Contaminant reduction in stormwater infiltrated through pervious concrete pavements	2025	Pervious Concrete Pavements: Design, Performance, and Applications		191	219	28	10.1016/B978-0-443-21704-3.00011-5	Elsevier	978-044321704-3; 978-044321705-0	Final		Scopus
48	Book chapter	Mahanta S.; Arsenault P.	Vowel harmony in languages of India	2024	The Oxford Handbook of Vowel Harmony		712	722	10	10.1093/oxfordhb/9780198826804.013.56	Oxford University Press	978-019186571-8; 978-019882680-4	Final		Scopus
49	Book chapter	Dar T.; Aziz K.	Assessment and management of flash floods in the India Himalayas: Challenges, strategies, and solutions	2025	Water Resources Management in Mountain Regions		301	317	16	10.1002/9781394249619.ch15	wiley	978-139424961-9; 978-139424958-9	Final		Scopus
50	Book chapter	Hazarika N.; Dutta U.P.; Saikia B.	Capital inflow and financial status of the Indian economy: An empirical analysis	2024	Convergence and Developmental Aspects of Credit Allocations in BRICS Nations: Theoretical and Empirical Inquiries		188	207	19	10.4324/9781003320029-14	Taylor and Francis	978-104003948-9; 978-103228485-9	Final		Scopus
51	Book	Majumder S.K.	Mechanical and Solid-Fluid Operations: Characteristics and Handling of Solids	2025	Mechanical and Solid-Fluid Operations: Characteristics and Handling of Solids		1	358	357	10.1201/9781003571025	CRC Press	978-104032470-7; 978-103294498-2	Final		Scopus
52	Book	Mohanty K.; Mohanty S.S.	A Biorefinery Approach to Algal Biomass Conversion for Biofuels and Bioproducts	2025	A Biorefinery Approach to Algal Biomass Conversion for Biofuels and Bioproducts		1	354	353	10.1016/C2020-0-02038-4	Elsevier	978-032390840-5; 978-032390841-2	Final		Scopus
53	Book	Bhowmick P.; Das S.; Arvin F.	Bio-inspired swarm robotics and control: Algorithms, mechanisms, and strategies	2024	Bio-inspired Swarm Robotics and Control: Algorithms, Mechanisms, and Strategies		1	261	260	10.4018/979-8-3693-1277-3	IGI Global	979-836931278-0; 979-836931277-3	Final		Scopus
54	Book chapter	Talukdar J.; Pathak L.; Das R.; Pal B.; Therrien J.; Mohanty S.; Karmakar S.; Bhai H.; Das B.	Hindu Bioethics View on CRISPR-Based Embryo Editing	2025	The CRISPR Revolution in Science, Religion, and Ethics		41	64	23		Bloomsbury Publishing Plc.	978-144087179-5; 978-144087178-8	Final		Scopus
55	Book chapter	Samanta N.S.; Das P.P.; Dhara S.; Purkait M.K.	Rejection of Harmful Contaminants from Wastewater by Hybrid Process	2024	ACS Symposium Series	1475	149	161	12	10.1021/bk-2024-1475.ch008	American Chemical Society		Final		Scopus
56	Book chapter	Dhara S.; Samanta N.S.; Das P.P.; Purkait M.K.	Potential of Biochar and Microalgae for Bioremediation of Emerging Contaminants	2024	ACS Symposium Series	1475	71	92	21	10.1021/bk-2024-1475.ch004	American Chemical Society		Final		Scopus
57	Book chapter	Sharma S.; Patel M.J.; Das Adhikari R.; Alam M.; Baishya H.; Yadav D.; Kalita M.; Khubchandani D.; Iyer P.K.	Rapid Detection of Microorganisms Based on FET Devices	2024	RSC Detection Science	24	95	126	31	10.1039/BK9781837673421-00093	Royal Society of Chemistry		Final		Scopus
58	Book chapter	Bhattacharya S.; Sonowal S.; Kumar S.	Virus replication	2025	Textbook of General Virology		35	40	5	10.1201/9781003369349-7	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
59	Book chapter	Mishra M.; Yadav R.; Kumar D.	Role of Molecular Modelling in Sustainable Development	2025	Role of Science and Technology for Sustainable Future: Volume 2: Applied Sciences and Technologies	2	583	608	25	10.1007/978-981-97-5177-8_31	Springer Nature	978-981975177-8; 978-981975176-1	Final		Scopus
60	Book chapter	Arunodhayamary P.S.; Rajakumar G.; Venkatesh M.; Roobert A.A.	Investigation of the Challenges in Analog/RF Circuit Design for Millimeter Wave Applications and Possible Solutions	2025	Circuit Design for Modern Applications		186	200	14	10.1201/9781003483052-12	CRC Press	978-104026990-9; 978-103277431-2	Final		Scopus

Sl.N o.	Document Type	Authors	Title	Year	Source title	Volume	Page start	Page end	Page count	DOI	Publisher	ISBN	Publication Stage	Open Access	Source
61	Book chapter	Aswani B.S.; Sajeev A.; Hegde M.; Kunnumakkara A.B.	Cinnamon: health benefits and its potential role in prevention and treatment of COVID-19	2025	Cinnamon: Production, Processing, and Functional Properties		263	288	25	10.1016/B978-0-443-21820-0.00017-9	Elsevier	978-044321820-0; 978-044321821-7	Final		Scopus
62	Book chapter	Girisa S.; Hegde M.; Kunnumakkara A.B.	Molecular mechanism of spices and their active constituents for the prevention and treatment of diseases	2024	Handbook of Spices in India: 75 Years of Research and Development		695	753	58	10.1007/978-981-19-3728-6_11	Springer Nature	978-981193728-6; 978-981193727-9	Final		Scopus
63	Book chapter	Nandy S.; Kumar S.	Retroviruses	2025	Textbook of General Virology		91	103	12	10.1201/9781003369349-14	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
64	Book chapter	Mokashi-Punekar R.; Bordoloi H.	Dalit Life Writing: Local Moorings, Global Contexts	2025	Global Literatures and Cultures of Modernity: Critical Perspectives from India		76	90	14	10.4324/9781032635507-9	Taylor and Francis	978-104035247-2; 978-103263548-4	Final		Scopus
65	Book chapter	Devkar G.; Sankaran S.; Laishram B.	India	2024	Handbook on Public-Private Partnerships in International Infrastructure Development: A Critical Perspective		277	317	40	10.4337/9781839102769.00017	Edward Elgar Publishing Ltd.	978-183910276-9; 978-183910275-2	Final		Scopus
66	Book chapter	Siva Lakshmi M.; Gracelin E.A.; Gifta G.; Roobert A.A.; Chinnathampy M.S.	Circuit Design for Accurate Digitized Urine Weight Measurement	2025	Circuit Design for Modern Applications		137	149	12	10.1201/9781003483052-9	CRC Press	978-104026990-9; 978-103277431-2	Final		Scopus
67	Book chapter	Rajput A.S.; Das M.; Kapil S.	Post-processing methods for surface enhancement of additively manufactured parts	2024	Nanofinishing of Materials for Advanced Industrial Applications		152	168	16	10.1201/9781003496298-8	CRC Press	978-100349629-8; 978-103252796-3	Final		Scopus
68	Book chapter	Bohara V.S.; Kumar S.	Viral vaccines	2025	Textbook of General Virology		182	187	5	10.1201/9781003369349-21	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
69	Book chapter	Mehak; Thummer R.P.; Pandey L.M.; Srivatsan T.S.	Engineered iron-oxide based nanomaterials for magnetic hyperthermia	2024	Advanced Materials for Emerging Applications Innovations, Improvements, Inclusion and Impact		440	463	23	10.2174/9789815196771124010017	Bentham Science Publishers	978-981519677-1; 978-981519678-8	Final		Scopus
70	Book	Das S.; Bhowmick P.; Kitmo	Revolutionizing healthcare treatment with sensor technology	2024	Revolutionizing Healthcare Treatment With Sensor Technology		1	371	370	10.4018/9798369327623	IGI Global	979-836932763-0; 979-836932762-3	Final		Scopus
71	Book chapter	Singh K.; Kumar S.	Positive-sense RNA viruses	2025	Textbook of General Virology		74	77	3	10.1201/9781003369349-12	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
72	Book	Kumar A.; Bansal R.C.; Kumar P.; Xiangning H.E.	Handbook on New Paradigms in Smart Charging for E-Mobility	2025	Handbook on New Paradigms in Smart Charging for E-Mobility: Global Trends, Policies, and Practices		1	562	561	10.1016/C2021-0-02934-5	Elsevier	978-032395201-9; 978-032395202-6	Final		Scopus
73	Book chapter	Mahanta S.	Directionality in vowel harmony systems	2024	The Oxford Handbook of Vowel Harmony		315	328	13	10.1093/oxfordhb/9780198826804.013.24	Oxford University Press	978-019186571-8; 978-019882680-4	Final		Scopus
74	Book chapter	Shrivastava M.; Maibam P.D.; Aishwarya A.; Goyal A.	Hemicellulases and auxiliary activities for biomass hydrolysis	2024	Handbook of Biorefinery Research and Technology: Biomass Logistics to Saccharification		731	753	22	10.1007/978-94-007-6308-1_36	Springer Netherlands	978-940076308-1; 978-940076307-4	Final		Scopus
75	Book chapter	Bohara V.S.; Kumar S.	Viruses and their significance	2025	Textbook of General Virology		6	10	4	10.1201/9781003369349-2	CRC Press	978-104029899-2; 978-103243618-0	Final		Scopus
76	Book	Mohanty K.; Sasmal S.	Biochemical reaction engineering	2025	Biochemical Reaction Engineering		1	299	298	10.1201/9781003581116	CRC Press	978-104027238-1; 978-036775067-1	Final		Scopus
77		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			26623161	Scopus
78		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			26623161	Scopus
79		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				Scopus
80		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			26623161	Scopus
81		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				Scopus
82		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				Scopus
83		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				Scopus
84	Article; Book Chapter	Paul, N; Banerjee, T	Micropollutants' Extraction from Aqueous Systems Using Ionic Liquids and Deep Eutectic Solvents	2024	IONIC LIQUIDS FOR ENVIRONMENTAL ISSUES		172	212		10.1039/BK9781839169625-00172	ROYAL SOC CHEMISTRY	978-1-83916-962-5; 978-1-83916-675-4			WoS
85	Article; Book Chapter	Keshavamurthy, K	Precarious Lives, Fraught Selves Tirunangai Autobiographies in Tamil	2024	QUEER AND THE VERNACULAR LANGUAGES IN INDIA: Studies in Contemporary Texts and Cultures		87	104		10.4324/9781003440536-7	ROUTLEDGE	978-1-032-57686-2; 978-1-003-44053-6; 978-1-032-28226-8			WoS
86	Article; Book Chapter	Saikia, A	Hardwoods and the British Empire in Assam Sal and Teak in the Age of Colonialism, 1850s-1940s	2024	CAPITAL AND ECOLOGY: Developmentalism, Subjectivity and the Alternative Life-Worlds		73	94		10.4324/9781003424420-6	ROUTLEDGE	978-1-032-54346-8; 978-1-003-42442-0; 978-1-032-39713-9			WoS
87	Article; Book Chapter	Dogra, H; Jha, MK	Federal Polity in the Multiparty Coalition Era and Beyond	2024	INDIAN POLITICS AND POLITICAL PROCESSES: Ideas, Institutions and Practices		174	196		10.4324/9781003434443-11	ROUTLEDGE	978-1-032-56214-8; 978-1-003-43444-3; 978-1-032-49983-3			WoS

Sl.No.	Document Type	Authors	Title	Year	Source title	Volume	Page start	Page end	Page count	DOI	Publisher	ISBN	Publication Stage	Open Access	Source
88	Article; Book Chapter	Shome, A; Das, A; Manna, U	Self-healing Superhydrophobic Coatings	2024	ADVANCES IN SUPERHYDROPHOBIC COATINGS		403	427		10.1039/9781837670031-00403	ROYAL SOC CHEMISTRY	978-1-83767-003-1; 978-1-83916-786-7			WoS
89	Article; Book Chapter	Narjinari, H; Bisarya, A; Arora, V; Nandi, PG; Das, K; Kumar, A	Current State-of-Artinthe Guerbet-Type β -Alkylation of Secondary Alcohols with Primary Alcohols Catalyzed by Complexes Based on 3d Metals	2024	DEHYDROGENATION REACTIONS WITH 3D METALS		93	127		10.1007/3418_2023_112	SPRINGER INTERNATIONAL PUBLISHING AG	978-3-031-48954-9; 978-3-031-48952-5; 978-3-031-48951-8			WoS
90	Article; Book Chapter	Saikia, P	Politics of Ethnonationalism and Multi-Level Governance in India	2024	INDIAN POLITICS AND POLITICAL PROCESSES: Ideas, Institutions and Practices		436	462		10.4324/9781003434443-25	ROUTLEDGE	978-1-032-56214-8; 978-1-003-43444-3; 978-1-032-49983-3			WoS
91	Article; Book Chapter	Paul, N; Banerjee, T	Micropollutants' Extraction from Aqueous Systems Using Ionic Liquids and Deep Eutectic Solvents	2024	IONIC LIQUIDS FOR ENVIRONMENTAL ISSUES		172	212		10.1039/BK9781839169625-00172	ROYAL SOC CHEMISTRY	978-1-83916-962-5; 978-1-83916-675-4			WoS
92	Article; Book Chapter	Keshavamurthy, K	Precarious Lives, Fraught Selves Tirunangai Autobiographies in Tamil	2024	QUEER AND THE VERNACULAR LANGUAGES IN INDIA: Studies in Contemporary Texts and Cultures		87	104		10.4324/9781003440536-7	ROUTLEDGE	978-1-032-57686-2; 978-1-003-44053-6; 978-1-032-28226-8			WoS
93	Article; Book Chapter	Saikia, A	Hardwoods and the British Empire in Assam Sal and Teak in the Age of Colonialism, 1850s-1940s	2024	CAPITAL AND ECOLOGY: Developmentalism, Subjectivity and the Alternative Life-Worlds		73	94		10.4324/9781003424420-6	ROUTLEDGE	978-1-032-54346-8; 978-1-003-42442-0; 978-1-032-39713-9			WoS
94	Article; Book Chapter	Dogra, H; Jha, MK	Federal Polity in the Multiparty Coalition Era and Beyond	2024	INDIAN POLITICS AND POLITICAL PROCESSES: Ideas, Institutions and Practices		174	196		10.4324/9781003434443-11	ROUTLEDGE	978-1-032-56214-8; 978-1-003-43444-3; 978-1-032-49983-3			WoS
95	Article; Book Chapter	Shome, A; Das, A; Manna, U	Self-healing Superhydrophobic Coatings	2024	ADVANCES IN SUPERHYDROPHOBIC COATINGS		403	427		10.1039/9781837670031-00403	ROYAL SOC CHEMISTRY	978-1-83767-003-1; 978-1-83916-786-7			WoS
96	Article; Book Chapter	Narjinari, H; Bisarya, A; Arora, V; Nandi, PG; Das, K; Kumar, A	Current State-of-Artinthe Guerbet-Type β -Alkylation of Secondary Alcohols with Primary Alcohols Catalyzed by Complexes Based on 3d Metals	2024	DEHYDROGENATION REACTIONS WITH 3D METALS		93	127		10.1007/3418_2023_112	SPRINGER INTERNATIONAL PUBLISHING AG	978-3-031-48954-9; 978-3-031-48952-5; 978-3-031-48951-8			WoS
97	Article; Book Chapter	Saikia, P	Politics of Ethnonationalism and Multi-Level Governance in India	2024	INDIAN POLITICS AND POLITICAL PROCESSES: Ideas, Institutions and Practices		436	462		10.4324/9781003434443-25	ROUTLEDGE	978-1-032-56214-8; 978-1-003-43444-3; 978-1-032-49983-3			WoS