

International and National Journal

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Sl. No	Authors	Paper Title	Journal Name	Year	Vol.	Issue (If any)	Starting Page	Ending Page
1	A. Sahoo, U.Goswami, D. Dutta, S. Banerjee, A. Chattopadhyay, S.S. Ghosh	Silver nanoclusters embedded composite nanoparticles for targeted prodrug delivery in cancer theranostics	ACS Biomaterials Science & Engineering	2016	2	8	1395	1402
2	U. N. Pan, R. Khandelia, P. Sanpui, S. Das, A. Paul, A. Chattopadhyay	Protein-Based Multifunctional Nanocarriers for Imaging, Photothermal Therapy, and Anticancer Drug Delivery	ACS Applied Materials & Interfaces	2016				
3	A.Ghoshal, U.Goswami, A. Raza, A. Chattopadhyay, S.S. Ghosh	Recombinant sFRP4 bound Chitosan-Alginate Composite Nanoparticles Embedded with Silver Nanoclusters for Wnt/b-catenin targeting in Cancer Theranostics	RSC Advances	2016	6		85763	85763
4	A. Dutta, D. Dutta, P. Sanpui, A. Chattopadhyay	Biomimetically Crystallized Protease Resistant Zinc Phosphate decorated with Gold Atomic Clusters for Bio-Imaging	Chemical Communications	2016	53		1277	1280
5	D. Dutta, A. Chattopadhyay, S.S. Ghosh	Cationic BSA Templated Au–Ag Bimetallic Nanoclusters as a Theranostic Gene Delivery Vector for HeLa Cancer Cells	ACS Biomaterials Science & Engineering	2016	2	11	2090	2098
6	B. Chatterjee, A. K.Sahoo, S.S. Ghosh, A. Chattopadhyay	Interactive luminescent gold nanocluster embedded dsDNA and cisplatin as model nanoparticles for cancer theranostics	RSC Advances	2016	6		113053	113057
7	S.Basu, A. K.Sahoo, A. Paul, A. Chattopadhyay	Thumb Imprint Based Detection of Hyperbilirubinemia Using Luminescent Gold Nanoclusters	Scientific Reports	2016	6			
8	K. Ahmad, S.K.Gogoi, R. Begum, M. P. Sk, A. Paul, A. Chattopadhyay	An Interactive Quantum Dot and Carbon Dot Conjugate for pH-Sensitive and Ratiometric Cu ²⁺ Sensing	ChemPhysChem	2017	18	6	610	616
9	M. Gogoi, A. Chattopadhyay	White light emission from quantum dot and a UV-visible emitting Pd-complex on its surface	RSC Advances	2016	6		103095	103105
10	A.Mandal, B. K.Patel, R.Shulka, D. Chopra	Impact of complementary electronic nature of C–X and M–X Halogens and Intramolecular X···O Interaction in Supramolecular Assemblies of Zn(II) Complexes of O-Halophenyl Substituted Hydrazides.	Crystal Engineering Communications	2017	19	12	1607	1619
11	W.Ali, Anjali, R.Pandey, T.Alam, B. K.Patel	Microwave assisted cascade strategy for the synthesis of indolo[2,3-b]quinolones from 2-(phenylethynyl)anilines and aryl isothiocyanate.	The Journal of Organic chemistry	2017	82	4	2089	2096
12	A.Mandal, B. K. Patel	A Three Component Synthesis of 2-Aryl-3-imidamide Substituted 1,2-Dihydroquinazolin-4(1H)-ones	ChemistrySelect	2017	2	4	1717	1722

13	A.Modi, W.Ali, Patel, B. K.	Organocatalytic regioselective concomitant thiocyanation and acylation of oxiranes using aroyl isothiocyanates	Organic Letters	2017	19	3	432	435
14	A.Mandal, B. K. Patel	Metal ion directed tautomeric polymorphism in a hydrazone / hydrozotate system	ChemistrySelect	2017	2	1	494	503
15	A.Banerjee, S.Sarkar, B. K. Patel	C-H functionalisation of cycloalkanes	Organic & Biomolecular Chemistry	2017	15	3	505	530
16	A.Behera, W.Ali, M. Tripathy, D. Sahoo, B. K. Patel	Transition metal-free synthesis of α -ketoamides from arylmethyl ketones and alkylphosphoramides.	RSC Advances	2016	6	94	91308	91313
17	A. M.Bilal, A.Banerjee, S. K.Santra, S.Rajamanickam, B. K. Patel	Fe(III) catalyzed peroxide mediated C-3 functionalizations of flavones	Advanced Synthesis & Catalysis	2016	358	21	3471	3476
18	G.Majji, S. K.Rout, S.Rajamanickam, S.Guin, B. K. Patel	Synthesis of esters via sp^3 C-H functionalisation	Organic & Biomolecular Chemistry	2016	14	35	8178	8211
19	S. K.Santra, A. Banerjee, P. R. Mohanta, B. K. Patel	Peroxide free Pd(II)-catalyzed ortho-arylation and ortho-halogenation of directing arenes	The Journal of Organic chemistry	2016	81	14	6066	6074
20	W. Ali, A. Modi, A. Behera, R. M. Prakash, B. K. Patel	Cs_2CO_3 as Source of carbonyl and etheral oxygen in Cu-catalyzed cascade synthesis of benzofuran [3,2-c] quinolin[5-H]ones	Organic & Biomolecular Chemistry	2016	14	25	5940	5944
21	P. R. Mohanta, A. Banerjee, S. K. Santra, A. Bahera, B. K. Patel	Acyl-peroxycoumarins as ortho C-H acylating agent via a Pd(II) catalyzed redox neutral process	Advanced Synthesis & Catalysis	2016	358	13	2047	2052
22	A. Modi, W. Ali, B.K. Patel	N,N-Dimethylamide as a methylene synthon for regioselective linkage of imidazo[1,2-a]pyridine	Advanced Synthesis & Catalysis	2016	358	13	2100	2107
23	S. K. Santra, A. Banerjee, S. Rajamanickam, N. Khatun, B. K. Patel	PdII/CuBr ₂ catalyzed keto α -Csp ³ -H benzoylation of N,N-dialkylamides directed by o-hydroxy groups	Chemical Communications	2016	52	24	4501	4504
24	A. Gogoi, P. Sau, W. Ali, S. Guin, B. K. Patel	<u>Copper(II)-catalyzed synthesis of -indoloquinoxalin-6-ones through oxidative Mannich reaction</u>	European Journal of Organic Chemistry	2016	7		1449	1453
25	P. B. De, S. Pradhan, T. Punniyamurthy	Stereoselective Copper-Catalyzed Cross-Coupling of Aziridines with Benzimidazoles via Nucleophilic Ring Opening and C(sp ²)-H Functionalization	The Journal of Organic chemistry	2017	82	6	3183	3191
26	M. Sengoden, A. Bhowmick, T. Punniyamurthy	Stereospecific Copper-Catalyzed Domino Ring Opening and sp^3 C-H Functionalization of Activated Aziridines with N-Alkylanilines	Organic Letters	2017	19	1	158	161
27	M. Sengoden, R. Irie, T. Punniyamurthy	Enantiospecific Aluminium-Catalyzed (3+2) Cycloaddition of Unactivated Aziridines with Isothiocyanates	The Journal of Organic chemistry	2016	81	22	11508	11513

28	V. Satheesh, M. Sengoden, T. Punniyamurthy	“On Water” C(sp ³)-H Functionalization/C-O/C-N Bonds Formations: Synthesis of Functionalized Oxazolidines and Imidazolidines	The Journal of Organic chemistry	2016	81	20	9792	9801
29	G. Murugavel, P. Sadhu, T. Punniyamurthy	Copper(II)-Catalyzed Nitroaldol (Henry) Reactions: Recent Developments	The Chemical Record	2016	16	4	1906	1917
30	N. Hoque, G. Das	An overview in strategic approach for solid state recognition of hydrated anions	Crystal Engineering Communications	2017	19		1343	1360
31	S. Samanta, U. Manna, G. Das	White light emission from simple AIE-ESIPT-Excimer tripled single molecular system	New Journal of Chemistry	2017	41		1064	1072
32	R. Singh, A. Gogoi, G. Das	Benzothiazole based multi-analyte sensor for selective sensing of Zn ²⁺ and Cd ²⁺ and subsequent sensing of inorganic phosphates (Pi) in mixed aqueous medium	RSC Advances	2016	6		112246	112252
33	U. Manna, B. Nayak, G. Das	Dual guest [(Chloride) ₃ -DMSO] encapsulated cation-sealed neutral trimeric capsular assembly: meta-substituent directed halide and oxyanion binding discrepancy of isomeric neutral di-substituted bis-urea receptors	Crystal Growth & Design	2016	16		7163	7174
34	N. Hoque, U. Manna, G. Das	Discrepancy in anion coordination directed by isomeric pyridine-urea receptors: solid state recognition of hydrated anions	Polyhedron	2016	119		307	316
35	S. Samanta, P. Dey, A. Ramesh, G. Das	A Solo Fluorogenic Probe for Real-time Sensing of SO ₃ ²⁻ and SO ₄ ²⁻ /HSO ₄ ⁻ in Aqueous Medium and Live Cells by Distinct Turn-On Emission Signals	Chemical Communications	2016.	52		10381	10384
36	U. Manna, B. Nayak, N. Hoque, G. Das	Influence of the cavity dimension on encapsulation of halide within the capsular assembly and side-cleft recognition of sulphate-water cluster assisted by polyammoniumtripodal receptor	Crystal Engineering Communications	2016	18		5036	5044
37	S. Samanta, B. K. Datta, M. Boral, A. Nandan, G. Das	Multi-responsive turn-on fluoregenic probe to sense Zn ²⁺ , Cd ²⁺ and Pb ²⁺ : Left-Right-Center emission signal swing	Analyst	2016	141		4388	4393
38	U. Manna, R. Chutia, G. Das	Entrapment of Cyclic Fluoride-Water and Sulfate-Water-Sulfate Cluster Within the Self-assembled structure of Linear meta-Phenylene Diamine Based Bis-Urea Receptors: Positional Isomeric effect	Crystal Growth & Design	2016	16		2893	2903
39	S. K. Dey, A. Basu, R. Chutia, G. Das	Anion Coordinated Capsules and Pseudocapsules of Tripodal Amide, Urea and Thiourea Scaffolds (REVIEW)	RSC Advances	2016	6		26568	26589
40	A. H. Malik, P. K. Iyer	Conjugated Polyelectrolyte Based Sensitive Detection and Removal of Antibiotics Tetracycline from Water	ACS Applied Materials & Interfaces	2017	9		4433	4439
41	B. Muthuraj, S. Mukherjee, C. Patra, P. K. Iyer	Amplified Fluorescence from Polyfluorene Nanoparticles with Aggregation-Induced Enhanced Emission for Live Cell Imaging and	ACS Applied Materials & Interfaces	2016	8		32220	32229

		Cancer Theranostics						
42	T. BhimRaju, J. V. Vaghasiya, M. A. Afroz, S. S. Soni, P. K. Iyer	Influence of m-fluorine Substituted Phenylene Spacer Dyes in Dye-sensitized Solar Cells	Organic Electronics	2016	39		371	379
43	T. BhimRaju, J. V. Vaghasiya, M. A. Afroz, S. S. Soni, P. K. Iyer	Design, Synthesis and DSSC performance of o-fluorine substituted phenylene spacer sensitizers: Effect of TiO ₂ thickness variation.	Physical Chemistry Chemical Physics	2016	18		28485	28491
44	P. Gopikrishna, P. K. Iyer	Mono-Substituted Dibenzofulvene-based Luminogens: Aggregation-Induced Emission Enhancement and Dual-State Emission.	Journal of Physical Chemistry C	2016	120		26556	26568
45	A. Kalita, S. Hussain, A. H. Malik, U. Barman, N. Goswami, P. K. Iyer	Anion exchange induced strong π - π interactions in single crystalline naphthalene diimide for nitroexplosive sensing: An electronic prototype for visual on-site detection	ACS Applied Materials & Interfaces	2016	8	38	25326	25336
46	N. Meher, S. R. Chowdhury, P. K. Iyer	Aggregation Induced Emission Enhancement and Growth of Naphthalimide Nanoribbons via J-Aggregation: Insight into Disaggregation Induced Unfolding and Detection of Ferritin at Nanomolar Level	Journal of Materials Chemistry B,	2016	4		6023	6031
47	S. Hussain, A. H. Malik, P. K. Iyer	FRET-assisted selective detection of flavins via cationic conjugated polyelectrolyte under physiological conditions.	Journal of Materials Chemistry B	2016	4,		4439	4446
48	S. Vasimalla, N. V. V. Subbarao, P. K. Iyer	Low voltage, low cost, flexible and balanced ambipolar OFETs based on Br2PTCDI-C18/CuPc fabricated on an Al foil gate substrate with good ambient stability.	Journal of Materials Chemistry C	2016	4		7102	7109
49	A. S. Tanwar, S. Hussain, A. H. Malik, M. A. Afroz, P. K. Iyer	Inner Filter Effect Based Selective Detection of Nitroexplosive-Picric Acid in Aqueous Solution and Solid Support Using Conjugated Polymer.	ACS Sensors	2016	1		1070	1077
50	S. R. Chowdhury, M. Agarwal, N. Meher, B. Muthuraj, P. K. Iyer	Modulation of Amyloid Aggregates into Nontoxic Coaggregates by Hydroxyquinoline Appended Polyfluorene.	ACS Applied Materials & Interfaces	2016	8		13309	13319
51	A. H. Malik, S. Hussain, P. K. Iyer	Aggregation-Induced FRET via Polymer-Surfactant Complexation: A New Strategy for the Detection of Spermine.	Anal. Chem.	2016	88		7358	7364
52	A. Kalita, A. Dey, P. K. Iyer	Effect of inorganic/organic dual dielectric layer on the morphology and performance of n-channel OFETs.	Physical Chemistry Chemical Physics	2016	18		12163	12168
53	T. R. Chetia, M. S. Ansari, M. Qureshi	Graphitic carbon nitride as a photovoltaic booster in quantum dot sensitized solar cells: A synergistic approach for enhanced charge separation and injection	Journal of Materials Chemistry A	2016	4	15	5528	5541

54	A. Banik, M. S. Ansari, T. K. Sahu, M. Qureshi	Understanding the role of silica nanospheres with their light scattering and energy barrier properties in enhancing the photovoltaic performance of ZnO based solar cells	Physical Chemistry Chemical Physics	2016	18	40	27818	27828
55	D. Dev, J. Chandra, N. B. Palakurthy, K. Thalluri, T. Kalita, B. Mandal	Benzoxazole and Benzothiazole Synthesis from Carboxylic Acid in Solution and on Resin by Ethyl 2-cyano-2-(2-nitro-benzenesulfonyloxyimino) acetate and para-Toluenesulfonic Acid	Asian Journal of Organic Chemistry	2016	5	5	663	675
56	L. Gelis, N. Jovancevic, S. Veitinger, B. Mandal, H.-D. Arndt, E. M. Neuhaus, H. Hatt	Functional Characterization of the Odorant Receptor 51E2 in Human Melanocytes	The Journal of Biological Chemistry	2016	291		17772	17786
57	B. Sharma, S. Kalita, A. Paul, B. Mandal, S. Paul	The role of caffeine as an inhibitor in the aggregation of amyloid forming peptides: a unified molecular dynamics simulation and experimental study	RSC Advances	2016	6		78548	78558
58	S. R. Manne, K. Thalluri, R. S. Giri, J. Chandra, B. Mandal	Ethyl 2-(tert-Butoxycarbonyloxyimino)-2-cyanoacetate (Boc-Oxyma): An Efficient Reagent for the Racemization Free Synthesis of Ureas, Carbamates and Thiocarbamates via Lossen Rearrangement	Advanced Synthesis and Catalysis	2017	359		168	176
59	S. Kumar, A. Paul, S. Kalita, A. K. Ghosh, A. C. Mondal, B. Mandal	Protective effects of β -sheet breaker α/β hybrid peptide against Amyloid β induced neuronal apoptosis in vitro	Chemical Biology and Drug Design	2016			1	13
60	A. Paul, S. Kalita, S. Kalita, P. Sukumar, B. Mandal	Disaggregation of Amylin Aggregate by Novel Conformationally Restricted Aminobenzoic Acid containing α/β and α/γ Hybrid Peptidomimetics	Scientific Reports	2017	7	40095	1	13
61	S. Panda, A. Roy, S. J. Deka, V. Trivedi, D. Manna	Fused Heterocyclic Compounds as Potent Indoleamine-2, 3-dioxygenase 1 Inhibitors	ACS Medicinal Chemistry Letters	2016	7	12	1167	1172
62	S. J. Deka, N. Mamdi, D. Manna, V. Trivedi	Alkyl Cinnamates Induce Protein Kinase C Translocation and Anticancer Activity against Breast Cancer Cells through Induction of the Mitochondrial Pathway of Apoptosis	Journal of Breast Cancer	2016	19	4	358	371
63	S. J. Deka, A. Roy, V. Ramakrishnan, D. Manna, V. Trivedi	Danazol has potential to cause PKC translocation, cell cycle dysregulation, and apoptosis in breast cancer cells	Chemical Biology & Drug Design	2017				
64	S. J. Deka, S. Gorai, D. Manna, V. Trivedi	Evidence of PKC Binding and Translocation to explain the anticancer mechanism of chlorogenic acid in breast cancer cells.	Current molecular medicine	2017				
65	S. Panda, P. Maity, D. Manna	Transition Metal, Azide, and Oxidant-Free Homo- and Heterocoupling of Ambiphilic Tosylhydrazones to the Regioselective Triazoles and Pyrazoles	Organic Letters	2017				
66	A. Saha, S. Panda, S. Paul, D. Manna	Phosphate bioisostere containing amphiphiles: a novel class of squaramide-based lipids	Chemical Communications	2016	52	60	9438	9441

67	M. C. Das, S. Paul, P. Gupta, P. Tribedi, S. Sarkar, D. Manna, S. Bhattacharjee	3-Amino-4-Aminoximidofurazan derivatives: small molecules possessing antimicrobial and antibiofilm activity against <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i>	Journal of applied microbiology	2017				
68	S. Paul, A. Roy, S. J. Deka, S. Panda, V. Trivedi, D. Manna	Nitrobenzofurazan derivatives of N'-hydroxyamidines as potent inhibitors of indoleamine-2, 3-dioxygenase 1	European journal of medicinal chemistry	2016	121		364	375
69	R. K. Gogoi, K. Saha, J. Deka, D. Brahma, K. Raidongia	Solvent-driven responsive bilayer membranes of clay and graphene oxide	Journal of Materials Chemistry A	2017	5		3523	3533
70	K. P. Bhabak, D. Bhowmick	Synthetic strategies of gold(I)-selenolates from ortho-substituted diaryldiselenides via selenol and selenenyl sulfide intermediates	Inorganica Chimica Acta	2016	450		337	345
71	A. Phukon, S. Ray, K. Sahu	How Does Interfacial Hydration Alter during Rod to Sphere Transition in DDAB/Water/Cyclohexane Reverse Micelles? Insights from Excited State Proton Transfer and Fluorescence Anisotropy	Langmuir	2016	32		6656	6665
72	A. Phukon, S. Ray, K. Sahu	Effect of Cosurfactants on the Interfacial Hydration of CTAB Quaternary Reverse Micelle Probed Using Excited State Proton Transfer	Langmuir	2016	32		10659	10667
73	T. Hossen, K. Sahu	Elucidating the H-Bonding Environment of Coumarin 102 in a Phenol-Cyclohexane Mixture by Molecular Dynamics Simulation: Implications for H-Bond-Guided Photoinduced Electron Transfer	Journal of Physical Chemistry A	2017	121		616	622
74	A. Buragohain, S. Couck, P. Van Der Voort, J. F. M. Denayer, S. Biswas	Synthesis, Characterization and Sorption Properties of Functionalized Cr-MIL-101-X (X = -F, -Cl, -Br, -CH ₃ , -C ₆ H ₄ , -F ₂ , -(CH ₃) ₂) Materials	Journal of Solid State Chemistry	2016	238		195	202
75	R. Dalapati, B. Sakthivel, A. Dhakshinamoorthy, A. Buragohain, A. Bhunia, C. Janiak, S. Biswas	A highly stable dimethyl-functionalized Ce(IV)-based UiO-66 metal-organic framework material for gas sorption and redox catalysis	Crystal Engineering Communications	2016	18		7855	7864
76	R. Dalapati, S. Biswas	Post-synthetic modification of a metal-organic framework with fluorescent-tag for dual naked-eye sensing in aqueous medium	Sensors and Actuators B	2017	239		759	767
77	M. SK, M. Grzywa, D. Volkmer, S. Biswas	Zr(IV) and Ce(IV)-based metal-organic frameworks incorporating 4-carboxycinnamic acid as ligand: synthesis and properties	Microporous Mesoporous Materials	2017	237		275	281
78	R. Dalapati, S. N. Balaji, V. Trivedi, L. Khamari, S. Biswas	A dinitro-functionalized Zr(IV)-based metal-organic framework as colorimetric and fluorogenic probe for highly selective detection of hydrogen sulphide	Sensors and Actuators B	2017	245		1039	1049
79	A. M. Rather, U. Manna	Facile Synthesis of Tunable and Durable Bulk Superhydrophobic Material from Amine "Reactive"	Chemistry Materials	2016	28	23	8689	8699

		Polymeric Gel						
80	B. Pradhan, S. K. Pathak, R. K. Gupta, M. Gupta, S. K. Pal, A. S. Achalkumar	Star-shaped fluorescent Liquid Crystals derived from s-triazine and 1,3,4-oxadiazole moities	Journal of Materials Chemistry C	2016	4		6117	6130
81	S. K. Pathak, B. Pradhan, R. K. Gupta, M. Gupta, S. K. Pal, A. S. Achalkumar	Aromatic π - π Driven Supergelation, Aggregation Induced Emission and Columnar Self-assembly of Star-shaped 1,2,4-Oxadiazole Derivatives	Journal of Materials Chemistry C	2016	4		6546	6561
82	S. K. Pathak, M. Gupta, S. K. Pal, A. S. Achalkumar	Hexacatenars Exhibiting π - π Driven Supergelation, Aggregation Induced Blue Light Emission and Thermochromism	ChemistrySelect	2016	1		5107	5120
83	S. K. Pathak, B. Pradhan, M. Gupta, S. K. Pal, A. S. Achalkumar	Liquid Crystalline Star-shaped Supergelator Exhibiting Aggregation Induced Blue light Emission	Langmuir	2016	32		9301	9312
84	B. Pradhan, V. M. Vaisakh, G. G. Nair, D. S. Shankar Rao, S. K. Prasad, A. S. Achalkumar	Effect of Atomic scale Difference on the Self-assembly of Thiophene based Polycatenars in Liquid Crystalline and Organogel state	Chemistry - A European Journal	2016	22		17843	17856
85	B. Pradhan, M. Gupta, S. K. Pal, A. S. Achalkumar	Multifunctional hexacatenarmesogen exhibiting supergelation, AIEE and its ability as a potential volatile acid sensor	Journal of Materials Chemistry C	2016	4		9669	9673
86	R. K. Gupta, D. Das, M. Gupta, S. K. Pal, P. K. Iyer, A. S. Achalkumar	Electroluminescent Room Temperature Columnar Liquid Crystals Based On bay-Annulated Perylenetetraesters	Journal of Materials Chemistry C	2017	5		1767	1781
87	B. Pradhan, N. Chakraborty, R. K. Gupta, G. Shanker, A. S. Achalkumar	Nonsymmetrical cholesterol dimers constituting regioisomeric oxadiazole and thiadiazole cores: an investigation on structure-property correlation	New Journal of Chemistry	2017	41		879	888
88	S. Mahato, C. K. Jana	Iterative direct C(sp ³)-H functionalization of amines: diastereoselective divergent syntheses of α,α' -disubstituted alicyclic amines	Organic Bio-molecular Chemistry	2017	15		1655	1660
89	S. Ghosh, C. K. Jana	Aminofluorene-Mediated Biomimetic Domino Amination-Oxygenation of Aldehydes to Amides	Organic Letters	2016	18	22	5788	5791
90	S. Mahato, C. K. Jana	Classical-Reaction-Driven Stereo- and Regio-selective C(sp ³)-H Functionalization of Aliphatic Amines	The Chemical Record	2016	16		1477	1488
91	S. Mahato, A. Singh, L. Rangan, C. K. Jana	Synthesis, In silico studies and In vitro evaluation for antioxidant and antibacterial properties of diarylmethylamines: A novel class of structurally simple and highly potent	European Journal of Pharmaceutical Science	2016	88		202	209

		pharmacophore						
92	R.Rakshit, C. Mukherjee	Secondary Interaction versus Intra-molecular π - π Interaction in Cu(II)-Diradical Complexes	EuropeanJournal of Inorganic Chemistry	2016	55		2731	2737
93	P. Sarkar, A. Tiwari, A.Sarmah, S.Bhandary, R. K. Roy, C. Mukherjee	An Elusive Vinyl Radical Isolated as an Appended Unit in a Five-Coordinate Co(III)-Bis(Iminobenzosemiquinone) Complex Formed via Ligand-Centered C-S Bond Cleavage	Chemical Communications	2016	52		10613	10616
94	M. K.Mondal, C. Mukherjee	An Unprecedented One-Step Synthesis of Octahedral Cu(II)-Bis(iminoquinone) Complexes and their Reactivity with NaBH ₄	Dalton Transactions	2016	45		13532	13540
95	M. K.Mondal, A. Tiwari, C. Mukherjee	A Solid-State Valence Tautomeric Octahedral {Co ^{II} [(BQ-N-Cat)] ₂ } ⁰ Complex Formation via Ligand-Centered Phenolic C-O Bond breaking and Co-O Bond making	Chemical Communications	2016			11995	11998
96	U. Ghosh, S. S. Bag, C. Mukherjee	Bis-pyridobenzene as a fluorescence light-up sensor for Hg ²⁺ ion in water	Sensors and Actuators B	2017	238		903	907
97	G. C. Paul, S. Banerjee, C. Mukherjee	Dioxygen Reactivity of an Iron Complex of 2-Aminophenol-AppendedLigand:Crystallographic Evidence of the Aromatic Ring Cleavage Product of the 2-Aminophenol Unit	Inorganic Chemistry	2017	56		729	736
98	A. Mukherjee, D.Srimani, Y. Ben-David, D. Milstein	Low-Pressure Hydrogenation of Nitriles to Primary Amines Catalyzed by Ruthenium Pincer Complexes. Scope and mechanism	Chem Cat Chem	2017	9	4	559	563
99	B.Pramanik, J. Hassan Mondal, N.Singha, S. Ahmed, J.Mohanty, D. Das	A Viologen-Perylenediimide Conjugate as an Efficient Base Sensor with Solvchromic Property.	ChemPhysChem	2017	18		245	252
100	S. Ahmed,N.Singha, B.Pramanik, J. Hassan Mondal, D. Das	Redox Controlled Reversible Transformation of a Supramolecular Alternating Copolymer to Radical Cation Containing Homo-polymer	Polymer Chemistry	2016	7		4393	4401
101	S. K. Behera, A. Murkherjee, G. Sadhuragiri, P. Elumalai, M. Sathiyendiran, M. Kumar, B.B. Mandal, G. Krishnamoorthy	Aggregation induced enhanced and exclusively highly Stokes shifted emission from an excited state intramolecular proton transfer exhibiting molecule	Faraday Discussions	2017	196		71	90
102	S. Sahu, S. Dutta, G. Krishnamoorthy	An unusual deprotonation trend in 2-(2'-hydroxyphenyl)pyridoimidazoles	Physical Chemistry Chemical Physics	2016	18	43	29905	29913
103	S. K. Behera, G. Sadhuragiri, P.	Exclusive Tautomer emission from a	RSC Advances	2016	6	64	59708	59717

	Elumalai, M. Sathiyendiran, G.Krishnamoorthy	2-(2-ä- hydroxyphenyl)benzimidazole derivative						
104	A. Malakar, M. Kumar, A. Reddy, H.T. Biswal, B. B. Mandal, G. Krishnamoorthy	Aggregation Induced Enhanced Emission of 2-(2'-Hydroxyphenyl) benzimidazole: A Combined Experimental and Simulation Approach	Photochemical & Photobiological Sciences	2016	15	7	937	948
105	S. Sahu, M. Das, G. Krishnamoorthy	Switching between cis and trans anions of 2-(2'-hydroxyphenyl) benzimidazole: A molecular rotation perturbed by chemical stabilization	Physical Chemistry Chemical Physics	2016	18	16	11081	11090
106	S. Paul	Can Trimethylamine-N-Oxide Act to Influence the Self-Aggregation of tert- Butyl Alcohol?	Molecular Physics	2016	114	13	2098	2107
107	P. K. Nayak, P. Dehury, S. Paul , T. Banerjee	Evaluation of Deep Eutectic Solvent for the Selective Extraction of Toluene and Quinoline at T=308.15 K and p=1 bar	Fluid Phase Equilibria	2016	423		146	155
108	B. Sharma, S. Paul	Action of Caffeine as an Amyloid Inhibitor in the Aggregation of Aβ16-22 Peptide	Journal of Physical Chemistry B	2016	120	34	9019	9033
109	B. Sharma, S. Paul	Role of caffeine as an inhibitor in aggregation of hydrophobic molecules: A molecular dynamics simulation study	Journal of Molecular Liquids	2016	224		930	939
110	G. Borgohain, S. Paul	Temperature Mediated Switching of Protectant-Denaturant Behavior of Trimethylamine-N-Oxide and Consequences on Protein Stability from a Replica Exchange Molecular Dynamics Simulation Study	Molecular Simulation	2017	43	1	52	64
111	G. Borgohain, S. Paul	Effect of Non Polar Confinement on Protein Trp Cage Conformation in Aqueous Osmolyte Solutions	Journal of Molecular Liquids	2017	231		174	184
112	G. Borgohain, S. Paul	Folding/Unfolding of Protein Trp Cage Conformation in Aqueous Osmolyte Solutions Under Polar Confinement	Journal of Molecular Liquids	2017	233		431	441
113	U. Nath, S. C. Pan	Organocatalytic Asymmetric Tamura Cycloaddition with α- Branched Nitroolefins: Synthesis of Functionalized 1-Tetralones.	The Journal of Organic Chemistry	2017	82	6	3262	3269
114	R. Maity, C. Gharui, A. K. Sil, S. C. Pan	Organocatalytic Asymmetric Michael/Hemiketalization/Retrosynthetic Reaction of α-Nitroketones with Unsaturated Pyrazolones: Synthesis of 3-Acyloxy Pyrazoles	Organic Letters	2017	19	3	662	665
115	R. Maity, S. C. Pan	Dienamine-Mediated Asymmetric Inverse-Electron-Demand Hetero-Diels- Alder Reaction of Linear Deconjugated Enones: Diversity- Oriented Synthesis of 3,4-	European Journal of Organic Chemistry	2017	2017	4	871	874

		Dihydropyrans						
116	K.Mondal, S. C. Pan	Lewis Acid Catalyzed [3+3] Annulation of Donor-Acceptor Cyclopropanes with γ -Hydroxyenones: Access to Highly Functionalized Tetrahydropyrans	European Journal of Organic Chemistry	2017	2017	3	534	537
117	K.Mondal, B.Mondal, S. C. Pan	Organocatalytic redox isomerization of electron-deficient allylic alcohols: Synthesis of 1,4-ketoaldehydes	The Journal of Organic Chemistry	2016	81	11	4835	4840
118	R.Unnava, M. J. Deka, A. K. Saikia	Synthesis of Highly Substituted PyrazoleN-Oxide and Pyrazole from Propargyl amine	Asian Journal of Organic chemistry	2016	5		528	536
119	S. Sarkar, S. Sultana, K.Indukuri, R.Unnava A. K. Saikia	Synthesis of Isochroman Derivatives via OxaPictet-Spengler Reaction of Acrylyl Enol Ethers: Synthesis of ($\pm$) – Sonepiprazole	Synthesis	2016	48		1727	1733
120	P. Ghosh, A. K. Kautarya, A. K. Saikia	Synthesis of 4-Trifluoromethanesulfonate Substituted 5,6-Dihydropyrans and Their Application in Various C-C Coupling Reactions	RSC Advances	2016	6		44774	44781
121	R. Unnava, A. K. Saikia	Synthesis of Substituted PyrazoleN-Oxide and Pyrazole from Propargyl Amine	ChemistrySelect	2016	1		1816	1823
122	U.Borthakur, M. J. Deka, A. K. Saikia	Synthesis of Tetrahydro-1H-indeno[1,2-b]pyridine via Cascade Cyclization and Friedel-Crafts Reaction	The Journal of Organic Chemistry	2016	81		8736	8743
123	M. J. Deka, U.BorthakurA. K. Saikia	Highly Regioselective Synthesis of 4-Tosylthiomorpholine via Intramolecular Cyclization of N-Tethered Thioalkenols	Organic Bio-molecular Chemistry	2016	14		10489	10495
124	P. Ghosh, M. J. Deka, M. Borah, A. K. Saikia	Synthesis of dihydroindeno[1,2-c]isochromene via cascade cyclization and Friedel-Crafts reaction	RSC Advances	2016	6		106656	106661
125	M. Borah, U. Borthakur,A. K. Saikia	Diastereoselective Synthesis of Substituted Morpholines from N-Tethered Alkenols: Total Synthesis of ($\pm$)-Chelonin A	The Journal of Organic Chemistry	2017	82		1330	1339
126	S. S. Bag , S. K. Das, M. K. Pradhan, S. Jana	Hybridization Accompanying FRET Event in Labeled Natural Nucleoside-Unnatural Nucleoside Containing Chimeric DNA Duplexes	Journal of Photochemistry & Photobiology B: Biology	2016	162		669	673
127	S. S. Bag, S. Jana, M. K. Pradhan	Synthesis and Photophysical Properties of Triazolyl-Donor/Acceptor Chromophores Decorated Unnatural Amino Acids and Application of Triazolylperylene Amino Acid in Sensing BSA	Bioorganic & Medicinal Chemistry	2016	24	16	3576	3595
128	N. Behera, V. Manivannan	Selective Recognition of Zn ²⁺ Ion Using 2,4,-Bis(2-pyridyl)-5-(4-pyridyl)imidazole: Spectra and Molecular Structure	Chemistry Select	2016	1		4016	4023
129	P. Barman, A. S. Faponle, A. K. Vardhaman, D. Angelone, A-M. Lohr, W.R. Browne, P. Comba, C. V. Sastri, S. P. de	Influence of Ligand Architecture in Tuning Reaction Bifurcation Pathways for Chlorite Oxidation by Non-Heme Iron Complexes	Inorganic Chemistry	2016	55		10170	10181

	Visser							
130	P. Barman, P. Upadhyay, A.S. Faponle, J. Kumar, S.S. Nag, D. Kumar, C. V. Sastri, S. P. de Visser	Deformylation Reaction by a Non-Heme Manganese(III)-Peroxo Complex via Initial Hydrogen Atom Abstraction	Angewandte Chemie International Edition	2016	55		11091	11095
131	D. A. Laviska, T. Zhou, A. Kumar, T.J.Emge, K. Krogh-Jespersen, A.S. Goldman	Single and Double C-H Activation of Biphenyl or Phenanthrene. An Example of C-H Addition to Ir(III) More Facile than Addition to Ir(I)	Organometallics	2016	35		1613	1623
132	A. Kumar, J. D. Hackenberg, G. Zhuo, A. M. Steffens, O.Mironov, R.J. Saxton, A. S. Goldman	High yields of piperylene in the transfer dehydrogenation of pentane catalyzed by pincer-ligated iridium complexes	Journal of Molecular Catalysis A: Chemical	2016	426		368	375
133	H. Deka, S. Ghosh, S. Saha, K. Gogoi, B. Mondal	Effect of ligand denticity on the nitric oxide reactivity of cobalt(II) complexes	Dalton Transactions	2016	45	27	10979	10988
134	S. Ghosh, H. Deka, Y. B. Dangat, S. Saha, K. Gogoi, K. Vanka, B. Mondal	Reductive nitrosylation of nickel(II) complex by nitric oxide followed by nitrous oxide release	Dalton Transactions	2016	45	25	10200	10208
135	B. Das	Screening of multicomponent crystals of L-tryptophan with three isomers of pyridinedicarboxylic acids	Journal of Crystal Growth	2016	447		67	72