

Journal Publication 2014

Sl. No.	Authors	Title	Year	Source Title	Vol	Iss	Page start	Page end
1	Khakhlary, P., Baruah, J.B.	Polymorphs and salts of 4-nitro-N-(quinolin-8-yl)benzamide	2014	Journal of Molecular Structure	1078		188	196
2	Phukan, N., Baruah, J.B.	3-Hydroxynaphthalene-2-carboxylic acid supported grid-like structure of cadmium chloride coordination polymer with 1,3-bis(4-pyridyl)propane	2014	Journal of Molecular Structure	1076		614	619
3	Nath, B., Baruah, J.B.	Cadmium (II) dicarboxylate complexes of 2,2-[(2-fluorophenylmethylidenebis(3,5-methyl-2-phenyleneoxy)]diacetic acid formed in different solvents	2014	Polyhedron	79		291	299
4	Nath, J.K., Mondal, A., Powell, A.K., Baruah, J.B.	Structures, magnetic properties, and photoluminescence of dicarboxylate coordination polymers of Mn, Co, Ni, Cu having N-(4-pyridylmethyl)-1,8-naphthalimide	2014	Crystal Growth and Design	14	9	4735	4748
5	Phukan, N., Baruah, J.B.	Polymorphs of 1-(5-methylthiazol-2-yl)-3-phenylthiourea and various anion-assisted assemblies of two positional isomers	2014	Crystal Growth and Design	14	5	2640	2653
6	Nath, B., Baruah, J.B.	Structural Variations in Coordination Polymers of Sodium and Cesium Dicarboxylates	2014	Journal of Inorganic and Organometallic Polymers and Materials	24	2	381	387
7	Jali, B.R., Kuang, Y., Neamati, N., Baruah, J.B.	Selective binding of naphthoquinone derivatives to serum albumin proteins and their effects on cytotoxicity	2014	Chemico-Biological Interactions	214	1	10	17
8	Nath, J.K., Kirillov, A.M., Baruah, J.B.	Unusual solvent-mediated hydrolysis of dicarboxylate monoester ligands in copper(ii) complexes toward simultaneous crystallization of new dicarboxylate derivatives	2014	RSC Advances	4	88	47876	47886
9	Baruah, J.B., Gogoi, K., Nath, B., Goswami, A.	Decyl and nonanyl bis-phenols as prospective surfactant	2014	Journal of Scientific and Industrial Research	73	4	231	234

10	Nath, J.K., Baruah, J.B.	Solvatoemissive dual fluorescence of N-(pyridylmethyl)-3-nitro-1,8-naphthalimides	2014	Journal of Fluorescence	24	3		
11	Das B., Ghosh K., Baruah J.B.	Tris-dipicolinate cerium complexes bearing dications of arginine, histidine, and ornithine	2014	Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry	44	2	251	257
12	Jali, B.R., Baruah, J.B.	Fluorescence properties, aluminium ion selective emission changes and self-assemblies of positional isomers of 4-(hydroxyphenylthio)naphthalene-1,2-diones	2014	Dyes and Pigments	110		56	66
13	Satyapriya Bhandari, Shilaj Roy, Sabyasachi Pramanik and Arun Chattopadhyay.	Surface Complexation Reaction for Phase Transfer of Hydrophobic Quantum Dot from Nonpolar to Polar Medium.	2014	Langmuir	30	35	10760	10765
14	Nidhi Chaubey, Amaresh Kumar Sahoo, Arun Chattopadhyay and Siddhartha Sankar Ghosh	Silver nanoparticle loaded PLGA composite nanoparticles for improving therapeutic efficacy of recombinant IFN γ by targeting the cell surface.	2014	Biomaterials Science	2	8	1080	1089.
15	Satyapriya Bhandari, Shilaj Roy and Arun Chattopadhyay.	Enhanced photoluminescence and thermal stability of zinc quinolate following complexation on the surface of quantum dots.	2014	RSC Advances.	46	4	24217	24221.
16	Md Palashuddin Sk and Arun Chattopadhyay.	Induction coil heater prepared highly fluorescent carbon dots as invisible ink and explosive sensor.	2014	RSC Advances	60	4	31994	31999
17	Rumi Khandelia, Amit Jaiswal, Siddhartha Sankar Ghosh and Arun Chattopadhyay.	Polymer coated Gold Nanoparticle-Protein Agglomerates as Nanocarriers for Hydrophobic Drug Delivery.	2014	J. Mater. Chem. B	38	2	6472	6477
18	Subhamoy Banerjee, Amaresh Kumar Sahoo, Arun Chattopadhyay and Siddhartha Sankar Ghosh.	Chemosensitization of I κ B α overexpressing glioblastoma towards anti-cancer agents. (,)-	2014	RSC Advances	74	4	39257	39267
19	Banerjee, S., Sahoo, A.K., Chattopadhyay, A., Ghosh, S.S.	Recombinant I κ B α -loaded curcumin nanoparticles for improved cancer therapeutics	2014	Nanotechnology	25			
20	Sailapu, S.K., Sahoo, A.K., Ghosh, S.S., Chattopadhyay, A.	Hierarchical Logic Structures Based on Responsive Fluorescent Gold Nanoclusters	2014	Small				
21	Ghosh, R., Sahoo, A.K., Ghosh, S.S., Paul, A., Chattopadhyay, A.	Blue-emitting copper nanoclusters synthesized in the presence of lysozyme as candidates for cell labeling	2014	ACS Applied Materials and Interfaces	6			
22	Singh, A.K., Dey, K.K., Chattopadhyay, A., Mandal, T.K.,	Multimodal chemo-magnetic control of self-propelling microbots	2014	Nanoscale	6			

	Bandyopadhyay, D.							
23	Sailapu, S.K., Chattopadhyay, A.	Induction of electromotive force by an autonomously moving magnetic bot	2014	Angewandte Chemie International Edition	53		1521	1524
24	Sahoo A.K., Banerjee S., Ghosh S.S., Chattopadhyay A.	Simultaneous RGB Emitting Au Nanoclusters in Chitosan Nanoparticles for Anticancer Gene Theranostics.	2014	ACS Applied Materials and Interfaces	6	1	712	724
25	Begum R., Chattopadhyay A	Redox-Tuned Three-Color Emission in Double (Mn and Cu) Doped Zinc Sulfide Quantum Dots.	2014	The Journal of Physical Chemistry Letters	5	1	126	130
26	Begum R., Sahoo A.K., Ghosh S.S., Chattopadhyay A.	Recovering hidden quanta of Cu ²⁺ -doped ZnS quantum dots in reductive environment	2014	Nanoscale	6	2	953	961
27	Jaiswal A., Gautam P.K., Ghosh S.S., Chattopadhyay A.	Carbon dots mediated room-temperature synthesis of gold nanoparticles in poly(ethylene glycol).	2014	Journal of Nanoparticle Research	16	1	1	14
28	Islam, K., Das, D.K., Khan, A.T.	Hydrated ferric sulfate catalyzed synthesis of 5,6-unsubstituted 1,4-dihydropyridines using three-component reaction	2014	Tetrahedron Letters	55	41	5613	5617
29	Das, D.K., Sarkar, S., Khan, M., Belal, M., Khan, A.T.	A mild and efficient method for large scale synthesis of 3-aminocoumarins and its further application for the preparation of 4-bromo-3-aminocoumarins	2014	Tetrahedron Letters				
30	Ghosh, A., Khan, A.T.	Synthesis of dihydrochromeno[4,3-b]pyrazolo[4,3-e]pyridin-6(7H)-ones involving one-pot three-component tandem Knoevenagel-Michael reaction catalyzed by n-tetrabutylammonium tribromide (TBATB)	2014	Tetrahedron Letters	55	12	2006	2009
31	Bagdi, P.R., Basha, R.S., Baruah, P.K., Khan, A.T.	Copper oxide nanoparticle mediated 'click chemistry' for the synthesis of mono-, bis- and tris-triazole derivatives from 10,10-dipropargyl-9-anthrone as a key building block	2014	RSC Advances	4	21	10652	10659
32	Das, D.K., Sarkar, S., Khan, M., Belal, M., Khan, A.T.	A mild and efficient method for large scale synthesis of 3-aminocoumarins and its further application for the preparation of 4-bromo-3-aminocoumarins	2014	Tetrahedron Letters	35		4869	4874
33	Sarkar, S., Das, D.K., Khan, A.T.	Synthesis of fully-substituted pyridines and dihydropyridines in a highly chemoselective manner utilizing a multicomponent reaction (MCR) strategy	2014	RSC Advances	4	96	53752	53760
34	Dar A.A., Ali S., Ghosh A., Khan A.T., Wivedi A.K., Iyer P.K.	Synthesis of unsymmetrical sulfides catalyzed by n-tetrabutylammonium tribromide: A selective fluorescence probe for mercury ion	2014	Sensors and Actuators, B: Chemical	193		509	514
35	Bhattacharjee S., Das D.K., Khan A.T.	Ammonium chloride-catalyzed three-component reaction for the synthesis of fused 4H-chromene derivatives in aqueous medium	2014	Synthesis (Germany)	46	1	73	80

36	Dar A.A., Ali S., Khan A.T.	Hydrated ferric sulfate catalyzed synthesis of 3-[(alkyl/arylthio)(aryl)methyl]-1H-indole derivatives through one-pot reaction This work is dedicated to Late Dr. Uttara Debi who was compassionate and amicable in nature	2014	Tetrahedron Letters	55	2	486	489
37	Das D.K., Sarkar S., Khan A.T., Saravanan P., Patra S.	Synthesis of fused tetrahydropyrido[2,3-c]coumarin derivatives as potential inhibitors for dopamine d3 receptors, catalyzed by hydrated ferric sulfate	2014	RSC Advances	4	7	3581	3590
38	Majji, G., Guin, S., Rout, S.K., Behera, A., Patel, B.K.	Cyclic ethers to esters and monoesters to bis-esters with unconventional coupling partners under metal free conditions via sp ³ C-H functionalisation	2014	Chemical Communications	50	81	12193	12196
39	Gogoi, A., Modi, A., Guin, S., Rout, S.K., Das, D., Patel, B.K.	A metal free domino synthesis of 3-aryloindoles via two sp ³ C-H activation	2014	Chemical Communications	50	72	10445	10447
40	Guin, S., Rout, S.K., Gogoi, A., Ali, W., Patel, B.K.	A palladium(II)-catalyzed synthesis of 1±-ketoamides via chemoselective aroyl addition to cyanamides	2014	Advanced Synthesis and Catalysis	356	12 - NOV	2559	2565
41	Rout, S.K., Guin, S., Ali, W., Gogoi, A., Patel, B.K.	Copper-catalyzed esterification of alkylbenzenes with cyclic ethers and cycloalkanes via C(sp ³)-H activation following cross-dehydrogenative coupling	2014	Organic Letters	16	11	3086	3089
42	Santra, S.K., Banerjee, A., Patel, B.K.	2,3-Diarylquinoxaline directed mono ortho-arylation via cross-dehydrogenative coupling using aromatic aldehydes or alkylbenzenes as aroyl surrogate	2014	Tetrahedron	70	14	2422	2430
43	Rout, S.K., Guin, S., Gogoi, A., Majji, G., Patel, B.K.	Terminal aryl alkenes and alkynes as arylcarboxy surrogates toward o -Benzoylation of 2-phenylpyridine catalyzed by copper	2014	Organic Letters	16	6	1614	1617
44	Khatun, N., Guin, S., Rout, S.K., Patel, B.K.	Divergent reactivities of o-haloanilides with CuO nanoparticles in water: A green synthesis of benzoxazoles and o-hydroxyanilides	2014	RSC Advances	4	21	10770	10778
45	Banerjee, A., Bera, A., Santra, S.K., Guin, S., Patel, B.K.	Palladium-catalysed regioselective arylation and acetoxylation of 3,5-diarylisoazole via ortho C-H functionalisations	2014	RSC Advances	4	17	8558	8566
46	Majji, G., Rout, S.K., Guin, S., Gogoi, A., Patel, B.K.	Iodine-catalysed oxidative cyclisation of acylhydrazones to 2,5-substituted 1,3,4-oxadiazoles	2014	RSC Advances	4	11	5357	5362
47	Behera, A., Rout, S.K., Guin, S., Patel, B.K.	Benzylamine as an arylcarboxy surrogate: A copper catalysed o-benzoylation of 2-phenylpyridines using benzyl amines	2014	RSC Advances	4	98	55115	55118
48	Sahoo, S.K., Jena, H.S., Majji, G., Patel, B.K.	Formation of imidazolidine-benzothiazole-copper(ii) complexes via a copper-mediated room-temperature c-h activation of imidazolidinecarbothioamides	2014	Synthesis (Germany)	46	14	1886	1900
49	Khatun, N., Banerjee, A., Santra, S.K., Behera, A., Patel, B.K.	Pd(ii)-catalysed o-arylation of directing arenes using terminal aryl alkenes and alkynes	2014	RSC Advances	4	97	54532	54538

50	Ali, W., Guin, S., Rout, S.K., Gogoi, A., Patel, B.K.	Thioesterification of alkylbenzenes with thiols via copper-catalyzed cross-dehydrogenative coupling without a directing group	2014	Advanced Synthesis and Catalysis	356	14 - 15	3099	3105
51	Khatun N., Gogoi A., Basu P., Das P., Patel B.K.	CuO nanoparticle catalysed synthesis of 2H-indazoles under ligand free conditions	2014	RSC Advances	4	8	4080	4084
52	Saikia, A.K., Indukuri, K., Das, J.	Stereoselective synthesis of O-tosyl azabicyclic derivatives via aza Prins reaction of endocyclic N-acyliminium ions: Application to the total synthesis of (±)-epi-indolizidine 167B and 209D	2014	Organic and Biomolecular Chemistry	12	36	7026	7035
53	Ghosh, P., Saha, P., Bondalapati, S., Indukuri, K., Saikia, A.K.	Lewis acid mediated intramolecular C-C bond formation of alkyne-epoxide leading to six-membered nitrogen and oxygen heterocycles	2014	Journal of Organic Chemistry	79	9	4119	4124
54	Saikia, A.K., Unnava, R., Indukuri, K., Sarkar, S.	Regioselective one-pot, three-component synthesis of substituted 2H-indazoles from 2-nitroarylaldehyde, alkyne and amine catalyzed by the CuBr/Zn(OTf) ₂ system	2014	RSC Advances	4	98	55296	55299
55	Saudagar, P., Mudavath, S.L., Saha, P., Saikia, A.K., Sundar, S., Dubey, V.K.	In vivo assessment of antileishmanial property of 4-(4,4,8-trimethyl-7-oxo-3-oxabicyclo[3.3.1]non-2-yl)-benzoic acid methyl ester, an oxabicyclo[3.3.1]nonanones	2014	Letters in Drug Design and Discovery	11	7	937	939
56	Alla, S.K., Sadhu, P., Punniyamurthy, T.	Organocatalytic syntheses of benzoxazoles and benzothiazoles using aryl iodide and oxone via C-H functionalization and C-O/S bond formation	2014	Journal of Organic Chemistry	79	16	7502	7511
57	Sar, D., Paul, R., Sengoden, M., Punniyamurthy, T.	Synthesis of Substituted Pyrazoles from Vinylhydrozones via Bromoamination and Hydroamination with 2,2,6,6-Tetramethylpiperidine-1-oxyl and N-Bromosuccinimide	2014	Asian Journal of Organic Chemistry	3	5	638	643
58	Sengoden, M., Vijay, M., Balakumar, E., Punniyamurthy, T.	Efficient pyrrolidine catalyzed cycloaddition of aziridines with isothiocyanates, isoselenocyanates and carbon disulfide "on water"	2014	RSC Advances	4	97	54149	54157
59	Ramanjaneyulu Unnava, Kiran Indukuri, Sujit Sarkar and Anil K. Saikia	One pot synthesis of substituted indazole from 2-nitrobenzaldehyde, alkyne and amine catalyzed by CuCl/Zn(OTf) ₂ system.	2014	RSC Advances	4		55296	55299
60	Paramartha Gogoi, Vijay K. Das and Anil K. Saikia	Diastereoselective Synthesis of Substituted Tetrahydrofurans via Prins Cyclization of Enol Ethers.	2014	J. Org. Chem.	79		8592	8598
61	Kiran Indukuri, Jagadish Das and Anil K. Saikia	Stereoselective Synthesis of O-Tosyl Azabicyclic Derivatives via Aza Prins Reaction of Endocyclic N-Acyliminium Ions: Application to the Total Synthesis of (±)-epi-Indolizidine 167B and 209D	2014	Org. Biomol. Chem	12		7026	7035

62	Priya Ghosh, Pipas Saha, Somasekhra Bondalapati, Kiran Indukuri and Anil K. Saikia	Lewis Acid Mediated Intramolecular C-C Bond Formation of Alkyne-Epoxyde Leading to Six Membered Nitrogen and Oxygen Heterocycles	2014	J. Org. Chem.		79	4119	4124
63	C. M. Rajesh & Manabendra Ray,	Characterization of a meso-chiral isomer of a hexanuclear Cu(II) cage from racemization of L-alanine Schiff base	2014	Dalton Transaction	43		12952	
64	Chandani Rani Das, Subash K. Sahoo, and Manabendra Ray	Chiral recognition and partial resolution of 1-Phenylethylamine through non-covalent interactions using binuclear Ni(II) complex as host	2014	Crystal Growth & Design	14		3958	
65	Datta, B.K., Kar, C., Das, G.	A novel C _{3v} -symmetric completely water soluble turn-on chemo sensor for Cd ²⁺ and the resultant complex for iodide anion in aqueous medium	2014	Sensors and Actuators, B: Chemical	204		474	479
66	Chutia, R., Das, G.	Hydrogen and halogen bonding in a concerted act of anion recognition: F- induced atmospheric CO ₂ uptake by an iodophenyl functionalized simple urea receptor	2014	Dalton Transactions	43	41	15628	15637
67	Gogoi, A., Samanta, S., Das, G.	A benzothiazole containing CHEF based fluorescence turn-ON sensor for Zn ²⁺ and Cd ²⁺ and subsequent sensing of H ₂ PO ₄ ⁻ and P ₄ O ₇ ⁴⁻ in physiological pH	2014	Sensors and Actuators, B: Chemical	202		788	794
68	Uday, S.P., Thiyagarajan, D., Goswami, S., Adhikari, M.D., Das, G., Ramesh, A.	Amphiphile-mediated enhanced antibiotic efficacy and development of a payload nanocarrier for effective killing of pathogenic bacteria	2014	Journal of Materials Chemistry B	2	35	5818	5827
69	Datta, B.K., Thiyagarajan, D., Samanta, S., Ramesh, A., Das, G.	A novel chemosensor with visible light excitability for sensing Zn ²⁺ in physiological medium and in HeLa cells	2014	Organic and Biomolecular Chemistry	12	27	4975	4982
70	Thiyagarajan, D., Goswami, S., Kar, C., Das, G., Ramesh, A.	A prospective antibacterial for drug-resistant pathogens: A dual warhead amphiphile designed to track interactions and kill pathogenic bacteria by membrane damage and cellular DNA cleavage	2014	Chemical Communications	50	56	7434	7436
71	Basu, A., Chutia, R., Das, G.	Dual modes of binding on the hexafluorosilicate anion by a C _{3v} symmetric flexible tripodal amide ligand in solid state	2014	CrystEngComm	16	22	4886	4891
72	Hoque, M.N., Das, G.	Hydrated anion glued capsular and non-capsular assembly of a tripodal host: Solid state recognition of bromide-water [Br ₅ -(H ₂ O) ₆] ⁵⁻ and iodide-water [I ₂ -(H ₂ O) ₄] ²⁻ clusters in cationic tripodal receptor	2014	CrystEngComm	16	21	4447	4458
73	Hoque, M.N., Das, G.	Cationic tripodal receptor assisted formation of anion and anion-water clusters: Structural interpretation of dihydrogen phosphate cluster and sulfate-water tetramer [(SO ₄) ₂ -(H ₂ O) ₂] ₄ ⁻	2014	Crystal Growth and Design	14	6	2962	2971
74	Hoque, M.N., Basu, A., Das, G.	Structural insight into the anion-water cluster: Stabilised by alcohol and carboxylic acid containing	2014	Supramolecular Chemistry	26	6-May	392	402

		tripodal ligand						
75	Samanta, S., Goswami, S., Ramesh, A., Das, G.	A new fluorogenic probe for solution and intra-cellular sensing of trivalent cations in model human cells	2014	Sensors and Actuators, B: Chemical	194		120	126
76	Basu, A., Das, G.	A C _{3v} -symmetric tripodal urea receptor for anions and ion pairs: Formation of dimeric capsular assemblies of the receptor during anion and ion pair coordination	2014	Journal of Organic Chemistry	79	6	2647	2656
77	Adhikari, M.D., Mukherjee, S., Saikia, J., Das, G., Ramesh, A.	Magnetic nanoparticles for selective capture and purification of an antimicrobial peptide secreted by food-grade lactic acid bacteria	2014	Journal of Materials Chemistry B	2	10	1432	1438
78	Kumar, A., Das, G., Bose, B.	Recombinant receptor-binding domain of diphtheria toxin increases the potency of curcumin by enhancing cellular uptake	2014	Molecular Pharmaceutics	11	1	208	217
79	Hoque, M.N., Basu, A., Das, G.	Fluorescence turn on sensor for sulfate ion in aqueous medium using tripodal-Cu ²⁺ ensemble	2014	Journal of Fluorescence	24	2	411	416
80	Kar, C., Samanta, S., Mukherjee, S., Datta, B.K., Ramesh, A., Das, G.	A simple and efficient fluorophoric probe for dual sensing of Fe ³⁺ and F ⁻ : Application to bioimaging in native cellular iron pools and live cells	2014	New Journal of Chemistry	38	6	2660	2669
81	Samanta, S., Goswami, S., Hoque, M.N., Ramesh, A., Das, G.	An aggregation-induced emission (AIE) active probe renders Al(iii) sensing and tracking of subsequent interaction with DNA	2014	Chemical Communications	50	80	11833	11836
82	Saikia, J., Das, G.	Framboidal vaterite for selective adsorption of anionic dyes	2014	Journal of Environmental Chemical Engineering	2	2	1165	1173
83	Hoque M.N., Basu A., Das G.	Pyridine-urea-based anion receptor: Formation of cyclic sulfate-water hexamer and dihydrogen phosphate-water trimer in hydrophobic environment	2014	Crystal Growth and Design	14	1	6	10
84	Saikia J., Saha B., Das G.	Interpreting the adsorption of serum albumin and lactoglobulin onto ZnS nanoparticles: Effect of conformational rigidity of the proteins	2014	Journal of Colloid and Interface Science	416		235	242
85	Chetia, B., Iyer, P.K.	Selective fluoride anion sensing by simple benzimidazolyl based ligand	2014	Sensors and Actuators, B: Chemical	201		191	195
86	Dey, A., Kalita, A., Iyer, P.K	High-performance n-channel organic thin-film transistor based on naphthalene diimide	2014	ACS Applied Materials and Interfaces	6	15	12295	12301
87	Vasimalla, S., Senanayak, S.P., Sharma, M., Narayan, K.S., Iyer, P.K.	Improved performance of solution-processed n-type organic field-effect transistors by regulating the intermolecular interactions and crystalline domains on macroscopic scale	2014	Chemistry of Materials	26	13	4030	4037
88	Subbarao, N.V.V., Gedda, M., Vasimalla, S., Iyer, P.K., Goswami, D.K.	Effect of thickness of bilayer dielectric on 1,7-dibromo-N,N'-dioctadecyl-3,4,9,10-perylenetetracarboxylic diimide based organic field-effect	2014	Physica Status Solidi (A) Applications and Materials Science				

		transistors						
89	Muthuraj, B., Deshmukh, R., Trivedi, V., Iyer, P.K.	Highly selective probe detects Cu ²⁺ and endogenous NO gas in living cell	2014	ACS Applied Materials and Interfaces	6	9	6562	6569
90	Ratha, R., Goutam, P.J., Iyer, P.K.	Photo stability enhancement of Poly(3-hexylthiophene)-PCBM nanocomposites by addition of multi walled carbon nanotubes under ambient conditions	2014	Organic Electronics: physics, materials, applications	15	7	1650	1656
91	Raju, T.B., Gopikrishna, P., Iyer, P.K.	Highly efficient and facile alkylation of 4H-cyclopenta-[2,1-b:3,4-b'â€²]dithiophene in water	2014	RSC Advances	4	71	37738	37745
92	Dwivedi, A.K., Iyer, P.K.	Therapeutic strategies to prevent Alzheimer's disease pathogenesis using A fluorescent conjugated polyelectrolyte	2014	Macromolecular Bioscience	14	4	508	514
93	Dar A.A., Ali S., Ghosh A., Khan A.T., Dwivedi A.K., Iyer P.K.	Synthesis of unsymmetrical sulfides catalyzed by n-tetrabutyl-ammonium tribromide: A selective fluorescence probe for mercury ion	2014	Sensors and Actuators, B: Chemical	193		509	514
94	Dash, N., Malakar, A., Kumar, M., Mandal, B.B., Krishnamoorthy, G.	Metal ion dependent "oN" intramolecular charge transfer (ICT) and "oFF" normal switching of the fluorescence: Sensing of Zn ²⁺ by ICT emission in living cells Dedicated to Prof. S.K. Dogra on his 72nd birthday.	2014	Sensors and Actuators, B: Chemical	202		1154	1163
95	Shankar, B., Sahu, S., Deibel, N., Schweinfurth, D., Sarkar, B., Elumalai, P., Gupta, D., Hussain, F., Krishnamoorthy, G., Sathiyendiran, M.	Luminescent dirhenium(I)-double-heterostranded helicate and mesocate	2014	Inorganic Chemistry	53	2	922	930
96	Chipem, F.A.S., Behera, S.K., Krishnamoorthy, G.	Excited state proton transfer of 2-(2-â€²-hydroxyphenyl)benzimidazole and its nitrogen substituted analogues in bovine serum albumin	2014	Photochemical and Photobiological Sciences	13	9	1297	1304
97	Chipem F.A.S., Behera S.K., Krishnamoorthy G.	Ratiometric fluorescence sensing ability of 2-(2'-hydroxyphenyl)benzimidazole and its nitrogen substituted analogues toward metal ions	2014	Sensors and Actuators, B: Chemical	191		727	733
98	Paul, S., Paul, S.	Trehalose induced modifications in the solvation pattern of N-methylacetamide	2014	Journal of Physical Chemistry B	118		1052	1063
99	Peul, S., Paul, S.	Effects of the temperature and trehalose concentration on the hydrophobic interactions of a small nonpolar neopentane solute: A molecular dynamics simulation study	2014	RSC Advances	4		34267	34280
100	Kumar, S.; Faponle, A. S.; Barman, P.; Vardhaman, A. K.; Sastri, C. V.; Kumar, D.; de Visser, S. P	Long-range electron transfer triggers mechanistic differences between iron(IV)-oxo and iron(IV)-imido oxidants	2014	<i>J. Am. Chem. Soc.</i>				

101	Faponle, A.; Quesne, M.; Sastri, C. V.; Banse, F.; de Visser, S. P.	Differences and Comparisons of the Properties and Reactivities of Iron(III)-Hydroperoxo Complexes with Saturated Coordination Sphere	2014	<i>Chem. Eur. J.</i>					
102	Biplab Mondal and Kanhu Charan Rout	Aromatic C-nitrosation by a Copper(II)-nitrosyl complex	2014	<i>Dalton Trans</i>					
103	Biplab Mondal, Aswini Kalita and Vikash Kumar	C-nitrosation of α -diketiminato ligand in copper(II) complex	2014	<i>RSC Adv.</i> ,					
104	Biplab Mondal* ^a and Vikash Kumar ^a	A fluorescence turn-on probe for selective detection of nitrogen dioxide	2014	<i>RSC Adv</i>					
105	Dev, D., Palakurthy, N.B., Thalluri, K., Chandra, J., Mandal, B.	Ethyl 2-cyano-2-(2-nitrobenzenesulfonyloxyimino)acetate (o-NosylOXY): A recyclable coupling reagent for racemization-free synthesis of peptide, amide, hydroxamate, and ester	2014	Journal of Organic Chemistry	79	12	5420	5431	
106	Nadimpally, K.C., Paul, A., Mandal, B.	Reversal of aggregation using β -breaker dipeptide containing peptides: Application to α 1 ² (1-40) self-assembly and its inhibition	2014	ACS Chemical Neuroscience	5	5	400	408	
107	Thalluri, K., Manne, S.R., Dev, D., Mandal, B.	Ethyl 2-cyano-2-(4-nitrophenylsulfonyloxyimino)acetate-mediated lossen rearrangement: Single-pot racemization-free synthesis of hydroxamic acids and ureas from carboxylic acids	2014	Journal of Organic Chemistry	79	9	3765	3775	
108	Palakurthy, N.B., Dev, D., Paikaray, S., Chaudhury, S., Mandal, B.	Synthesis of O-benzyl hydroxamates employing the sulfonate esters of N-hydroxybenzotriazole	2014	RSC Advances	4	16	7952	7958	
109	Saha, A., Nadimpally, K.C., Paul, A., Kalita, S., Mandal, B.	Phenolic ester mediated oligopeptide synthesis promoted by HOBt	2014	Protein and Peptide Letters	21	2	188	193	
110	Thalluri, K., Paul, A., Manne, S.R., Dev, D., Mandal, B.	Microwave assisted chemoselective organocatalytic peptide alcohol synthesis from C-terminal amide	2014	RSC Advances	4	88	47841	47847	
111	Bag, S.S., Pradhan, M.K., Das, S.K., Jana, S., Bag, R.	Wavelength shifting oligonucleotide probe for the detection of adenosine of a target DNA with enhanced fluorescence signal	2014	Bioorganic and Medicinal Chemistry Letters	24	19	4678	4681	
112	Bag, S.S., Pradhan, M.K., Das, S.K., Jana, S., Bag, R.	Wavelength shifting oligonucleotide probe for the detection of adenosine of a target DNA with enhanced fluorescence signal		Bioorganic and Medicinal Chemistry Letters					
113	Bag S. S., Talukdar S., Kundu, R., Saito I., Jana S.	Dual Door Entry to Exciplex Emission in A Chimeric DNA Duplex Containing Non-nucleoside-Nucleoside Pair	2014	Chem. Commun.	50		829	832	
114	Bag S. S., Jana S., Yashmeen, A., Senthilkumar K., Bag R.	Triazolyl-Donor/Acceptor Chromophore Decorated Unnatural Amino Acids and Peptides: FRET Event in β -Turn Conformation	2014	Chem. Commun.	50		433	435	
115	Mukherjee, C., Hoeke, V., Stammler, A., BÄlgge, H., Schnack, J., Glaser, T.	Switching from antiferromagnetic to ferromagnetic coupling in heptanuclear [Mt 6Mc] _n ⁺ complexes by going from an achiral to a chiral triplesalen ligand	2014	Dalton Transactions	43	25	9690	9703	

116	Singh, S., Mukherjee, C., Verma, A.	Development of catalytic activity protocol for electrochemical reduction of carbon dioxide to value added products	2014	Clean Technologies and Environmental Policy				
117	Rakshit, R., Ghorai, S., Biswas, S., Mukherjee, C.	Effect of ligand substituent coordination on the geometry and the electronic structure of Cu(II)-diradical complexes	2014	Inorganic Chemistry	53	7	3333	3337
118	Ghorai, S., Mukherjee, C.	Synthesis and characterization of a tetraradical-containing octanuclear vanadium cluster formed via ligand C-N bond breaking and C-O bond making	2014	RSC Advances	4	47	24698	24703
119	Ghorai S., Mukherjee C.	Effect of ligand substituent on the reactivity of Ni(ii) complexes towards oxygen	2014	Dalton Transactions	43	2	394	397
120	Samir Ghorai, and Chandan Mukherjee*	"Cu(II)-Mediated Transformation of a Tridentate Non-Innocent Ligand to a Tetradentate Salen-Type Innocent Ligand", "	2014	<i>Chem. Asian J., DOI:10.1002/asia.201402868R1</i>				
121	Mahato, S., Haque, M.A., Dwari, S., Jana, C.K.	Divergent reaction: Metal & oxidant free direct C-H aryloxylation and hydride free formal reductive N-benylation of N-heterocycles	2014	RSC Advances	4	86	46214	46217
122	Haldar, S., Mahato, S., Jana, C.K.	Metal- and oxidant-free direct sp ³ C-H arylation of pyrrolidine	2014	Asian Journal of Organic Chemistry	3	1	44	47
123	Mahato S., Haldar S., Jana C.K.	Diastereoselective I±-C-H functionalization of aliphatic N-heterocycles: An efficient route to ring fused oxazines	2014	Chemical Communications	50	3	332	334
124	Singha, D., Barman, N., Phukon, A., Sahu, K.	Selective probing of reverse micelle interfacial layer upon silver nanoparticle formation using dynamic stokes shift measurements	2014	Journal of Physical Chemistry C	118		10366	10374
125	Barman, N., Singha, D., Sahu, K.	Faster photoinduced electron transfer in a diluted mixture than in a neat donor solvent: Effect of excited-state H-bonding	2014	Physical Chemistry Chemical Physics	16		6159	6166
126	Singha D., Barman N., Sahu K.	A facile synthesis of high optical quality silver nanoparticles by ascorbic acid reduction in reverse micelles at room temperature	2014	Journal of Colloid and Interface Science	413		37	42
127	S.Pan	Primary amino acid catalyzed asymmetric intramolecular Mannich reaction for the synthesis of 2-aryl-2,3-dihydro-4-quinolones	2014	Organic and Biomolecular Chemistry	12		9789	9792
128	Alla, S.K., Sadhu, P., Punniyamurthy, T.	Organocatalytic syntheses of benzoxazoles and benzothiazoles using aryl iodide and oxone via C-H functionalization and C-O/S bond formation	2014	Journal of Organic Chemistry	79		7502	7511
129	Sar, D., Paul, R., Sengoden, M., Punniyamurthy, T.	Synthesis of Substituted Pyrazoles from Vinylhydrozones via Bromoamination and Hydroamination with 2,2,6,6-Tetramethylpiperidine-1-oxyl and N-Bromosuccinimide	2014	Asian Journal of Organic Chemistry	3		638	643

130	Sengoden, M., Vijay, M., Balakumar, E., Punniyamurthy, T.	Efficient pyrrolidine catalyzed cycloaddition of aziridines with isothiocyanates, isoselenocyanates and carbon disulfide "on water"	2014	RSC Advances	4		54149	54157
131	Harikrishna Sahu and Aditya N. Panda	Computational investigation of charge injection and transport properties of a series of thiophene<96>pyrrole based oligo-azomethines	2014	Chem. Phys	16		8563	
132	D.C. Joshi, Subhash Thota, Subhash, S. Nayak, D.D Harish, P. Mahesh, A. Kumar, D. Pamu, Mohammad Qureshi	Dielectric behavior of Zn1-xNi _x O/NiO two-phase composite; , ASAP	2014	J. Phys.D: Appl. Phys.				
133	Dipankar Barpuzary, Anindya Sundar Patra, Jayraj V. Vaghasiya, Bharat G. Solanki, Saurabh S. Soni, Mohammad Qureshi*	Highly Efficient One-Dimensional ZnO Nanowire Based Dye-Sensitized Solar Cell using a Metal-Free, D-π-A Type, Carbazole Derivative with more than 5% Power Conversion	2014	ACS Appl. Mater. Interfaces,				
134	Anindya Sundar Patra, Natarajan Vinod Kumar, Dipankar Barpuzary, Mahuya De, Mohammad Qureshi*	Strontium doped LaMnO ₃ for efficient and robust photocatalytic water oxidation coupled with graphene oxide	2014	Materials Letters				
135	Tridip Ranjan Chetia, Dipankar Barpuzary, Mohammad Qureshi*	Enhanced photovoltaic performance utilizing effective charge transfers and light scattering effects by the combination of mesoporous, hollow 3D-ZnO along with 1D-ZnO in CdS quantum dot sensitized solar cells,	2014	Phys.Chem. Chem. Phys.				
136	BagSubhendu SekharPradhan, ManojK.;Das, SumanK.; Jana, Subhashis;Bag, Raghunath	Wavelength Shifting Oligonucleotide Probe for the Detection of Adenosine of a Target DNA with Enhanced Fluorescence Signal	2014	Bioorganic & Medicinal Chemistry Letters,		In Press		
137	Bag, Subhendu Sekhar; Talukdar, Sangita; Das, Suman Kalyan	Design and Synthesis of Triazolyl-Donor/Acceptor Unnatural Nucleosides and Oligonucleotide Probes Containing Triazolyl-Phenanthrene Nucleoside	2014	<i>Current Protocols in Nucleic Acids Chemistry</i>				
138	Bag, Subhendu Sekhar*; Talukdar, Sangita; Kundu, Rajen; Saito, Isao; Jana, Subhashis	Dual Door Entry to Exciplex Emission in A Chimeric DNA Duplex Containing Non-nucleoside-Nucleoside Pair	2014	<i>Chemical Communications</i> , ,	50		829	
139	Bag, Subhendu Sekhar*; Jana, Subhashis; Yashmeen Afsana; Senthilkumar, K; Bag, Raghunath	Triazolyl-Donor/Acceptor Chromophore Decorated Unnatural Amino Acids and Peptides: FRET Event in β-Turn Conformation	2014	<i>Chemical Communications</i> s	50		433	
140	Mamidi, N. Panda, S. Borah, R. Manna, D.,	Synthesis and Protein Kinase C (PKC)-C1 Domain Binding Properties of Diacyltetrol Based Anionic Lipids, Accepted	2014	Molecular Biosystems				

141	Talukdar, D.; Panda, S.; Borah, R.; Manna, D.,	Membrane Interaction and Protein Kinase C-C1 Domain Binding Properties of 4-hydroxy-3-(hydroxymethyl) Phenyl ester Analogues, , O), (+, Equal Contribution)	2014	Journal of Physical Chemistry B,	118	27	7541	7553
142	Mamidi, N.; Gorai, S.; Ravi, B.; Manna, D.,	Physicochemical Characterization of Diacyltetrol-Based Lipids consisting of both Diacylglycerol and Phospholipid headgroups.,	2014	RSC Advances	4		21971	21978
143	Paul, S.; Panda, S.; Manna, D.	Mild method for the synthesis of 1H-indazoles through oxime-phosphonium ion intermediate.	2014	Tetrahedron Letters	55		2480	2483
144	Borah, R.; Talukdar, D.; Gorai, S.; Bain, D.; Manna, D.	Bilayer Interaction and Protein Kinase C-C1 Domain binding studies of Kojic Acid Esters.	2014	RSC Advances	4		25520	25531
145	Julfikar Hassan Mondal, Titli Ghosh, Sahnawaz Ahmed, Debapratim Das	Dual Self-sorting by Cucurbit[8]uril to Transform a Mixed Micelle to Vesicle;	2014	Langmuir				
146	Julfikar Hassan Mondal, Sahnawaz Ahmed, Debapratim Das	Physicochemical Analysis of Mixed Micelles of a Viologen Surfactant: Extended to Water-in-oil (w/o) Microemulsion, and Cucurbit[8]uril Assisted Vesicle Formation.	2014	Langmuir	30		8290	8299
147	S. Biswas, Y.-Y. Liu, M. Tonigold, M. Weil, D. Volkmer,	Two 3D Coordination Frameworks Based on Benzobisimidazole Linkers Generated under Similar Conditions: Synthesis, Structures and Thermal Properties	2014	<i>Eur. J. Inorg. Chem.,</i>				
148	M. Vandichel, S. Biswas, K. Leus, J. Paier, J. Sauer, T. Verstraelen, P. Van Der Voort, M. Waroquier, V. Van Speybroeck,	Catalytic Performance of Vanadium MIL-47 and Linker-Substituted Variants in the Oxidation of Cyclohexene: A Combined Theoretical and Experimental Approach	2014	<i>ChemPlusChem</i>	79		1183	
149	P. Van Der Voort, K. Leus, Y.-Y. Liu, M. Vandichel, V. Van Speybroeck, M. Waroquier, S. Biswas,	Vanadium metal-organic frameworks: structures and applications	2014	<i>New J. Chem.,</i>	38		1853	