

## Journal Publication 2010

Sl. No.	Authors	Title	Year	Source Title	Vol	Iss	Page start	Page end
1	Baruah A.M., Karmakar A., Baruah J. B.	Polymorphs of Octaphenylcyclotetrasiloxane.	2010	Advances in Silicones and Silicone-Modified Materials			19	25
2	Das B., Boudalis A.K., Baruah J.B.	Selective adenine/cytosine cations in one-dimensional coordination polymers of manganese (II) and copper (II) 2,3-pyridinedicarboxylates	2010	Inorganic Chemistry Communications	13	11	1244	1248
3	Sarma R., Chowdhury P., Bikina C., Gumma S., Baruah J.B.	Structural characterization of coordination polymers of nickel(II) and Zinc(II) with polycarboxylate ligands	2010	Journal of Chemical Crystallography	40	10	892	896
4	Sarma R., Nath B., Ghritlahre A., Baruah J.B.	Study on changes in optical properties of phenylbenzothiazole derivatives on metal ion binding	2010	Spectrochimica Acta – Part A: Molecular and Biomolecular Spectroscopy	77	1	126	129
5	Kar G.P., Karmakar A., Baruah J.B.	N-H... $\pi$ interactions in two isomers of an amino group containing bis-phenol	2010	Journal of Chemical Crystallography	40	8	702	706
6	Singh W.M., Baruah J.B.	Copper(II) complexes of 2-(1,4-dihydro-2-hydroxy-1,4-dioxonaphthalen-3-ylthio) acetic acid	2010	Inorganic Chemistry Communications	13	8	899	903
7	Das B., Baruah J.B.	Protonated adenine and cytosine ribbons stabilized by dipicolinato metal frameworks	2010	Crystal Growth and Design	10	7	3242	3249
8	Sarma R., Boudalis A.K., Baruah J.B.	Aromatic N-oxide bridged copper(II) coordination polymers: Synthesis, characterization and magnetic properties	2010	Inorganica Chimica Acta	363	10	2279	2286
9	Das R., Sarma R., Baruah J.B.	A hexanuclear cerium(IV) cluster with mixed coordination environment	2010	Inorganic Chemistry Communications	13	6	793	795
10	Kalita D., Baruah J.B.	Different spatial orientations of amide derivatives on anion coordination	2010	CrystEngComm	12	5	1562	1567
11	Kalita D., Baruah J.B.	Visual distinction of dicarboxylic acids and their salts by 1-phenyl-3-(quinolin-5-yl)urea	2010	Journal of Molecular Structure	969		75	82
12	Das B., Baruah J.B.	Coordinated cations in dipicolinato complexes of divalent metal ions	2010	Inorganica Chimica Acta	363	7	1479	1487
13	Singh W.M., Baruah J.B.	Coordination polymers of cadmium with (4-carbomethoxy-naphthalen-1-yloxy) acetic acid derivatives	2010	Polyhedron	29	6	1543	1550

14	Kalita D., Baruah J.B.	Rearrangement of 2-bromo-N-quinoline-8-yl-acetamide leading to new heterocycle	2010	Journal of Heterocyclic Chemistry	47	2	459	462
15	Das B., Baruah J.B.	Cooperativity on selective products in one pot reactions of 2,6-pyridinedicarboxylic acid and ethylenediamine with metal ions	2010	Inorganic Chemistry Communications	13	3	350	352
16	Singh D., Ghosh S.K., Baruah J.B.	Solvent-dependent fluorescence emission in heterocyclic compounds having isoquinoline backbone	2010	Journal of Heterocyclic Chemistry	47	1	199	206
17	Sarma R., Baruah J.B.	Variation in coordination modes of aromatic N-oxides in lanthanum(III) coordination polymers	2010	Journal of Coordination Chemistry	63	3	457	463
18	Singh D., Bhattacharyya P.K., Baruah J.B.	Structural studies on solvates of cyclic imide tethered carboxylic acids with pyridine and quinoline	2010	Crystal Growth and Design	10	1	348	356
19	Babu D.S., Singh W.M., Kalita D., Baruah J.B.	Solvatochromicity of 3-hydroxy-4-(1-(2,4-dihydroxyphenyl)-2-hydroxy-2,2-diphenylethylidene)cyclohexa-2,5-dienone for screening of solvents	2010	Spectrochimica Acta – Part A: Molecular and Biomolecular Spectroscopy	75	1	486	489
20	Banerjee S., Azmi A. S., Padhye S., Singh M. W., Baruah J. B., Philip P. A., Sarkar F. H, Mohammad R. M.	Structure-activity studies on therapeutic potential of thymoquinone analogs in pancreatic cancer.	2010	Pharmaceutical Research	27		1146	1158
21	Baruah J.B.	Benzoate complexes: simple yet informative	2010	Handbook of Inorganic Chemistry Research			385	402
22	Dandawate P. R., Vyas A. C., Padhye S. B., Singh M. W., Baruah J. B.,	Perspectives on Medicinal Properties of Benzoquinone Compounds.	2010	Mini Reviews in Medicinal Chemistry	10		436	454
23	Sanpui P., Pandey S.B., Chattopadhyay A., Ghosh S.S.	Incorporation of gene therapy vector in chitosan stabilized Mn <sup>2+</sup> -doped ZnS quantum dot	2010	Materials Letters	64	22	2534	2537
24	Saikia G., Murugadoss A., Sarmah P.J., Chattopadhyay A., Iyer P.K.	Tuning the optical characteristics of poly(p-phenylenevinylene) by in situ Au nanoparticle generation	2010	Journal of Physical Chemistry B	114	46	14821	14826
25	Deka J., Paul A., Chattopadhyay A.	Estimating conformation content of a protein using citrate-stabilized Au nanoparticles	2010	Nanoscale	2	8	1405	1412
26	Kanti Dey K., Ranjan Panda B., Paul A., Basu S., Chattopadhyay A.	Catalytic gold nanoparticle driven pH specific chemical locomotion	2010	Journal of Colloid and Interface Science	348	2	335	341
27	Das S., Sahoo A. K., Ghosh S. S., A. Chattopadhyay.	Plasmonic signatures in the composite crystals of gold nanoparticles and p-Hydroxyacetanilide (Paracetamol),	2010	Langmuir	26	20	15714	15717

		26(20), 15714–15717.						
28	Murugadoss A., Khan A., Chattopadhyay A.	Stabilizer specific interaction of gold nanoparticles with a thermosensitive polymer hydrogel	2010	Journal of Nanoparticle Research	12	4	1331	1348
29	Banerjee M., Mallick S., Paul A., Chattopadhyay A., Ghosh S.S.	Heightened reactive oxygen species generation in the antimicrobial activity of a three component iodinated chitosan/silver nanoparticle composite	2010	Langmuir	26	8	5901	5908
30	Gopinath P., Gogoi S.K., Sanpui P., Paul A., Chattopadhyay A., Ghosh S.S.	Signaling gene cascade in silver nanoparticle induced apoptosis	2010	Colloids and Surfaces B: Biointerfaces	77	2	240	245
31	Khan A.T., Khan M.M.	Bromodimethylsulfonium bromide (BDMS) mediated dithioacetalization of carbohydrates under solvent-free conditions	2010	Carbohydrate Research	345	15	2139	2145
32	Khan A.T., Lal M., Khan M.M.	Synthesis of highly nalyserdion piperidines by one-pot multicomponent reaction using tetrabutylammonium tribromide (TBATB)	2010	Tetrahedron Letters	51	33	4419	4424
33	Khan A.T., Musawwer Khan Md.	A simple and convenient synthetic protocol for O-isopropylideneation of sugars using bromodimethylsulfonium bromide (BDMS) as a catalyst	2010	Carbohydrate Research	345	1	154	159
34	Khan A.T., Khan M.M., Bannuru K.K.R.	Iodine nalyser one-pot five-component reactions for direct synthesis of densely nalyserdion piperidines	2010	Tetrahedron	66	39	7762	7772
35	Sahoo S.K., Jamir L., Guin S., Patel B.K.	Copper(I)-catalyzed cascade synthesis of 2-arylsulfanyl-arylcyanamides	2010	Advanced Synthesis and Catalysis	352	14 - 15	2538	2548
36	Yella R., Patel B.K.	One-pot synthesis of five and six membered N, O, S-heterocycles using a ditribromide reagent	2010	Journal of Combinatorial Chemistry	12	5	754	763
37	Ghosh H., Sarkar S., Ali A.R., Patel B.K.	Oxidative desulfurization of disubstituted thioureas using Pb(II) salts and investigation of pKa-dependent regioselective N-acylation	2010	Journal of Sulfur Chemistry	31	1	1	11
38	Yella R., Ghosh H., Murru S., Sahoo S.K., Patel B.K.	Efficient preparation of isothiocyanates from dithiocarbamates using bromineless brominating reagent	2010	Synthetic Communications	40	14	2083	2096
39	Ali A.R., Ghosh H., Patel B.K.	A greener synthetic protocol for the preparation of carbodiimide	2010	Tetrahedron Letters	51	7	1019	1021
40	Yella R., Murru S., Ali A.R., Patel B.K.	Arylthioureas with bromine or its equivalents gives no 'Hugerschoff' reaction product	2010	Organic and Biomolecular Chemistry	8	15	3389	3393

41	Ghosh H., Patel B.K.	Hypervalent iodine(III)-mediated oxidation of aldoximes to N-acetoxy or N-hydroxy amides	2010	Organic and Biomolecular Chemistry	8	2	384	390
42	Jamir L., Ali A.R., Ghosh H., Chipem F.A.S., Patel B.K.	The thiocarbonyl 'S' is softer than thiolate 'S': A catalyst-free one-pot synthesis of isothiocyanates in water	2010	Organic and Biomolecular Chemistry	8	7	1674	1678
43	Saha P., Ali M.A., Ghosh P., Punniyamurthy T.	Cobalt-catalyzed intramolecular C-N and C-O cross-coupling reactions: Synthesis of benzimidazoles and benzoxazoles	2010	Organic and Biomolecular Chemistry	8	24	5692	5699
44	Sakthivel S., Punniyamurthy T.	Chiral linear polymers bonded alternatively with salen and 1,4-dialkoxybenzene: Synthesis and application for Ti-catalyzed asymmetric TMSCN addition to aldehydes	2010	Tetrahedron Asymmetry	21	23	2834	2840
45	Paul R., Ali M.A., Punniyamurthy T.	Copper-catalyzed hydroxylation of aryl halides with tetrabutylammonium hydroxide: Synthesis of substituted phenols and alkyl aryl ethers	2010	Synthesis		24	4268	4272
46	Ali M.A., Saha P., Punniyamurthy T.	Efficient copper-catalyzed N-arylation of amides and imidazoles with aryl iodides	2010	Synthesis		6	908	910
47	Ali Md.A., Punniyamurthy T.	Palladium-catalyzed one-pot conversion of aldehydes to amides	2010	Advanced Synthesis and Catalysis	352		288	292
48	Ramana T., Saha P., Das M., Punniyamurthy T.	Copper-catalyzed domino intra-And intermodular C-S cross-coupling reactions: Synthesis of 2-(Arylthio)arylcyanamides	2010	Organic Letters	12	1	84	87
49	Sahoo S.C., Dubey M., Alam M.A., Ray M.	Effect of metal coordination and intra-molecular H-bond on the acidity of phenolic proton in a set of structurally characterized octahedral Ni(II) complexes of l-histidine derivative	2010	Inorganica Chimica Acta	363	12	3055	3060
50	Sahoo S.C., Ray M.	Three point chiral recognition and resolution of amino alcohols through well-defined interaction inside a metallocavity	2010	Chemistry – A European Journal	16	17	5004	5007
51	Reddy U.C., Saikia A.K.	One-pot, three-component synthesis of 4-Aryl-5,6-dihydropyran via prins-friedel-crafts reaction	2010	Synlett		7	1027	1032
52	Saha P., Reddy U.C., Bondalapati S., Saikia A.K.	A novel synthesis of Oxabicyclo[3.3.1]nonanone via (3,5)-oxonium-ene reaction	2010	Organic Letters	12	8	1824	1826
53	Bondalapati S., Reddy U.C., Kundu D.S., Saikia A.K.	Titanium tetrafluoride: An efficient Lewis acid and fluorinating agent for stereoselective synthesis of 4-fluorotetrahydropyran	2010	Journal of Fluorine Chemistry	131	3	320	324
54	Sahu R., Manivannan V.	Syntheses and molecular structures of Co <sub>3</sub> <sup>++</sup> -Na <sup>+</sup> and Co <sub>3</sub> <sup>++</sup> -K <sup>+</sup> coordination polymers constructed using mono- and bis-chelated cobalt(III) complexes of bis(2-pyridylcarbonyl)amide ion	2010	Inorganica Chimica Acta	363	14	4008	4016

55	Padhi S.K., Sahu R., Manivannan V.	Water-chloride 2D-network in 4'-(2-pyridyl)-2,2':6',2''-terpyridine bis-chelates of M(II) {M = Fe, Ni, Ru}	2010	Polyhedron	29	2	709	714
56	Sahu R., Padhi S.K., Jena H.S., Manivannan V.	Conversion of 2-(aminomethyl) substituted pyridine and quinoline to their dicarbonyldiimides using copper(II) acetate	2010	Inorganica Chimica Acta	363	7	1448	1454
57	Ojha B., Das G.	The interaction of 5-(Alkoxy)nalyserd-1-amine with bovine serum albumin and Its effect on the conformation of protein	2010	Journal of Physical Chemistry B	114	11	3979	3986
58	Ojha B., Das G.	Artificial amphiphilic scaffolds for the selective sensing of protein based on hydrophobicity	2010	Chemical Communications	46	12	2079	2081
59	Pramanik A., Majumdar S., Das G.	Aryl azo imidazoles assisted assembly of anion/anion-water through salt formation	2010	CrystEngComm	12	1	250	259
60	Ojha B., Das G.	Molecular recognition of 2-alkylbenzimidazole: Photophysical and structural studies	2010	Journal of Photochemistry and Photobiology A: Chemistry	211		176	184
61	Borah B.M., Saha B., Dey S.K., Das G.	Surface-modification-directed controlled adsorption of serum albumin onto magnetite nanocuboids synthesized in a gel-diffusion technique	2010	Journal of Colloid and Interface Science	349	1	114	121
62	Sarma M., Singh A., Gupta G. S., Das G., Mondal B.	Nitric oxide reduction of copper(II) complex with tetradentate amine ligand followed by ligand transformation	2010	Inorganica Chimica Acta	363	1	63	70
63	Dey S.K., Das G.	Conformational polymorphism of a simple tripodal podand bearing nitro functionality	2010	Crystal Growth and Design	10	2	754	760
64	Pramanik A., Basu A., Das G.	Coordination assembly of p-substituted aryl azo imidazole complexes: Influences of electron donating substitution and counter ions	2010	Polyhedron	29	8	1980	1989
65	Pramanik A., Das G.	Precursory Ag-bipyridine 2D coordination polymer: A new and efficient route for the synthesis of Ag nanoparticles	2010	CrystEngComm	12	2	401	405
66	Ojha B., Singh A.K., Adhikari M.D., Ramesh A., Das G.	2-Alkylmalonic acid: Amphiphilic chelator and a potent inhibitor of metalloenzyme	2010	Journal of Physical Chemistry B	114	33	10835	10842
67	Pramanik A., Das G.	Aryl azo imidazole assisted self-assembly of d10 metal complexes: Influence of halogen substitution and counter ions	2010	Polyhedron	29	15	2999	3007
68	Saha B., Chakraborty S., Das G.	A Rational Approach for Controlled Adsorption of Metal Ions on Bovine Serum Albumin-malachite Bio-nanocomposite.	2010	J. Phys. Chem. C Highlighted in Nature India.	114		9817	9825

69	Singh D.K., Iyer P.K., Giri P.K.	Diameter dependence of oxidative stability in multiwalled carbon nanotubes: Role of defects and effect of vacuum annealing	2010	Journal of Applied Physics	108	8		
70	Singh D.K., Iyer P.K., Giri P.K.	Diameter dependence of interwall separation and strain in multiwalled carbon nanotubes probed by X-ray diffraction and Raman scattering studies	2010	Diamond and Related Materials	19	10	1281	1288
71	Saikia G., Murugadoss A., Sarmah P.J., Chattopadhyay A., Iyer P.K.	Tuning the optical characteristics of poly(p-phenylenevinylene) by in situ Au nanoparticle generation	2010	Journal of Physical Chemistry B	114	46	14821	14826
72	Saikia G., Iyer P.K.	Facile C?H alkylation in water: Enabling defect-free materials for optoelectronic devices	2010	Journal of Organic Chemistry	75	8	2714	2717
73	Padhy A.K., Chetia B., Mishra S., Pati A., Iyer P.K.	Imidazole derivatives as the organic precursor of ZnO nano particle	2010	Tetrahedron Letters	51	20	2751	2753
74	Deka J., Paul A., Chattopadhyay A.	Estimating conformation content of a protein using citrate-stabilized Au nanoparticles	2010	Nanoscale	2	8	1405	1412
75	Kanti Dey K., Ranjan Panda B., Paul A., Basu S., Chattopadhyay A.	Catalytic gold nanoparticle driven pH specific chemical locomotion	2010	Journal of Colloid and Interface Science	348	2	335	341
76	Banerjee M., Mallick S., Paul A., Chattopadhyay A., Ghosh S.S.	Heightened reactive oxygen species generation in the antimicrobial activity of a three component iodinated chitosan?silver nanoparticle composite	2010	Langmuir	26	8	5901	5908
77	Kalita D.J., Gupta A.K.	Application of smooth exterior scaling method to study the time dependent dynamics of H +2 in intense laser field	2010	Journal of Chemical Physics	133	13		
78	Krishnamoorthy G.	Hydrogen-Bonding Effects on Intramolecular Charge Transfer	2010	Hydrogen Bonding and Transfer in the Excited State	1		313	329
79	Chipem F.A.S., Chatterjee S., Krishnamoorthy G.	Theoretical study on photochemical behavior of trans-2-[4'-(dimethylamino)styryl] benzothiazole	2010	Journal of Photochemistry and Photobiology A:Chemistry	214		121	127
80	Dash N., Krishnamoorthy G.	Photophysics of 2-(4'-N,N-Dimethylaminophenyl)imidazo[4,5-b]pyridine in micelles: Selective dual fluorescence in sodium dodecylsulphate and triton X-100	2010	Journal of Fluorescence	20	1	135	142
81	Sarma M., Singh A., Gupta G. S., Das G., Mondal B.	Nitric oxide reduction of copper(II) complex with tetradentate amine ligand followed by ligand transformation	2010	Inorganica Chimica Acta	363	1	63	70
82	Singh A., Mondal B.	Stepwise syntheses, structure and spectroscopic studies of ruthenium complexes of 2,6-bis(benzimidazol-2-yl)pyridine with o-iminoquinone ancillary ligand	2010	Inorganica Chimica Acta	363	13	3145	3150

83	Sarma M., Kalita A., Kumar P., Singh A., Mondal B.	Reduction of copper(II) complexes of tripodal ligands by nitric oxide and trinitrosation of the ligands	2010	Journal of the American Chemical Society	132	23	7846	7847
84	Bhattacharya S., Panda A.N., Meyer H.-D.	Multiconfiguration time-dependent Hartree approach to study the OH+H <sub>2</sub> reaction	2010	Journal of Chemical Physics	132	21		
85	Paul S.	Liquid-Vapour Interfaces of Aqueous Trimethylamine-N-oxide Solutions: A Molecular Dynamics Simulation Study	2010	Chem. Phys.	368		7	
86	Bag S. S., Kundu R., Katsuhiko M, Saito Y. Saito I.	Singly and doubly nalyser base-discriminating fluorescent oligonucleotide probes containing oxo-pyrene chromophore	2010	Bioorganic and Medicinal Chemistry Letters	20		3227	3230
87	Nath J., Chaudhuri M.K.	Borax: An ecofriendly and efficient catalyst for one-pot synthesis of 3,4-dihydropyrimidine-2(1h)-ones under solvent-free conditions	2010	Synthetic Communications	40	20	2976	2982