International and National Journal

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Sl. No.	Name of Author/s	Name of Paper	Name of Journal in full	Volume and Issue No.	Page No.	Year and Date of Publication
1.	A.Tarai, J. B.Baruah	Study on fluoride detection and assembling of hydroxyaromatic aldoximes caused by tetrabutylammonium fluoride.	CrystEngComm	17(11)	2301-2309	2015
2.	P. Khakhlary, C. Anson, A. Mondal, A. Powell, J. B. Baruah	Structural and magnetic properties of oxyquinolinate clusters of cobalt (II) and manganese (II) and serendipitous intake of carbonate during synthesis	Dalton Transactions	44(7)	2964 - 2969.	2015
3.	J. Nath, A. Kirillov, J. B. Baruah	Synthesis, structure and topological studies of solvates and salts of a chiral zwitteronic host N-(2-imidazol-5-yl-1-carboxyethyl)-1,8-naphthalimide	Crystal Growth and Des.	15(2)	737-751.	2015
4.	Khakhlary, P., Baruah, J.B.	Polymorphs and salts of 4-nitro-N-(quinolin-8-yl)benzamide	Journal of Molecular Structure	1078	188-196	2014
5.	P. Khakhlary, J.B. Baruah,	Studies on cluster, salt and molecular complex of zinc-quinolinate	Journal of Chemical Sciences	127	215-223.	2015
6.	P. Khakhlary, J. B. Baruah	Anion-л interactions in layered structures of salts of 5-(hydroxyimino)quinolin-8-one and related salts	Journal of Chemical Sciences	127	95-102	2015
7.	P. Khakhlary, J. B. Baruah	Selective interactions of 5-(hydroxyimino)quinolin-8-one with tetrabutylammonium fluoride and zinc(II) ions	RSC Advances	**4**	64643-64648	2014
8.	J. Nath, A. Kirillov, J. B. Baruah	Unusual solvent-mediated hydrolysis of dicarboxylate monoester ligands in copper(II) complexes toward simultaneous crystallization of new dicarboxylate derivatives	RSC Advances	4	47876-47886.	2014
9.	J. Nath, A. Mondal, A. Powell, J. B. Baruah	Structures, magnetic properties and photoluminescence of dicarboxylate coordination polymers of Mn, Co, Ni, Cu having N-(4-pyridylmethyl)-1,8-naphthalimide	Crystal Growth and Des.	14(9)	4735-4748	2014
10.	N. Phukan, J. B. Baruah	3-Hydroxynaphthalene-2-carboxylic acid supported grid-like structure of cadmium chloride coordination polymer	Journal of Molecular Structure	1076	614-619.	2014

		with1,3-bis(4-pyridyl)propane.				
11.	B. R. Jali and J. B. Baruah	Fluorescence properties, aluminium ion selective emission changes and self-assemblies of positional isomers of 4-(hydroxyphenylthio)naphthalene-1,2-diones.	Dyes and Pigments	110	56-66	2014
12.	B. Nath and J. B. Baruah,	Cadmium(II)dicarboxylate complexes of 2,2'-[2-fluoro-phenylmethyl-idenebis(3,5-methyl-2-phenyleneoxy)]diacetic acid formed in different solvents	Polyhedron	79	291-299.	2014
13.	J. K. Nath and J. B. Baruah,	Twisted conformations in complexes of N-(3- imidazol-1-yl-propyl)-1,8-naphthalimide and fluorescence properties.	Inorg. Chem. Frontiers	1	342-351.	2014
14.	N. Phukan and J. B. Baruah,	Polymorphs of 1-(5-methylthiazol-2-yl)-3-phenylthiourea and various anion assisted assemblies of two positional isomers	Crystal Growth and Des.	14(5)	2640-2653	2014
15.	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	RSC Advances	4(88)	47876-47886	2014
16.	Nath, J. K., Baruah, J. B.	Solvatoemissive dual fluorescence of N-(pyridylmethyl)-3-nitro-1,8-naphthalimides	Journal of Fluorescence	24(3)	649-655	2014
17.	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	Dyes and Pigments	110	56-66	2014
18.	Sabyasachi Pramanik, Satyapriya Bhandari, Shilaj Roy and Arun Chattopadhyay	Synchronous Tricolor Emission-Based White Light from Quantum Dot Complex	The Journal of Physical Chemistry Letters	6(7)	1270-1274	2015
19.	Rama Ghosh, Upashi Goswami, Siddhartha Sankar Ghosh, Anumita Paul and Arun Chattopadhyay.	Synergistic Anticancer Activity of Fluorescent Copper Nanoclusters and Cisplatin Delivered through a Hydrogel Nanocarrier.	ACS Applied Materials and Interfaces	7(1)	209-222	2015
20.	Satyapriya Bhandari, Shilaj Roy, Sabyasachi Pramanik and Arun Chattopadhyay.	Double Channel Emission from a Redox Active Single Component Quantum Dot Complex.	Langmuir	31(1)	551-561	2015

21.	Md Palashuddin Sk, Sunil Kumar Sailapu and Arun Chattopadhyay	Luminescent Carbon Dots for Logic Operations in Two Phases	ChemPhysChem	16(4)	723-727	2015
22.	Satyapriya Bhandari, Shilaj Roy, Sabyasachi Pramanik and Arun Chattopadhyay.	Surface Complexation Reaction forPhase Transfer of Hydrophobic Quantum Dot from Nonpolar to Polar Medium.	Langmuir	30(35)	10760-10765	2014
23.	Subhamoy Banerjee, Amaresh Kumar Sahoo, Arun Chattopadhyay and Siddhartha Sankar Ghosh.	Chemosensitization of IκBα overexpressing glioblastoma towards anti-cancer agents.	RSC Advances	4(74)	39257-39267	2014
24.	Subhamoy Banerjee, Amaresh Kumar Sahoo, Arun Chattopadhyay and Siddhartha sankar Ghosh.	Recombinant IκBα-loaded curcumin nanoparticles for improved cancer therapeutics.	Nanotechnology	25(34)	345102	2014
25.	Nidhi Chaubey, Amaresh Kumar Sahoo, Arun Chattopadhyay and Siddhartha Sankar Ghosh	Silver nanoparticle loaded PLGA composite nanoparticles for improving therapeutic efficacy of recombinant IFNγ by targeting the cell surface.	Biomaterials Science	2	1080-1089	2014
26.	Md Palashuddin Sk and Arun Chattopadhyay.	Induction coil heater prepared highly fluorescent carbon dots as invisible ink and explosive sensor	RSC Adv.	4(60)	31994-31999	2014
27.	Satyapriya Bhandari, Shilaj Roy and Arun Chattopadhyay.	Enhanced photoluminescence and thermal stability of zinc quinolate following complexation on the surface of quantum dots.	RSC Adv.	4(46)	24217-24221	2014
28.	Sunil Kumar Sailapu, Amaresh Kumar Sahoo, Shiddhartha Sankar Ghosh, and Arun Chattopadhyay..	Hierarchical Logic Structures Based on Responsive Fluorescent Gold Nanoclusters.	Small	10(20)	4067-4071	2014
29.	Rama Ghosh, Amaresh Kumar Sahoo, Shiddhartha Sankar Ghosh, Anumita Paul and Arun Chattopadhyay.	Blue-emitting copper nanoclusters synthesized in the presence of lysozyme as candidates for cell labeling.	ACS Applied Materials and Interfaces	6(6)	3822-3828	2014
30.	Shilpa Sharma, S Chockalingam, Pallab Sanpui, Arun Chattopadhyay and Siddhartha Sankar Ghosh.	Silver nanoparticles impregnated alginate-chitosan-blended nanocarrier induces apoptosis in human glioblastoma cells.	Advanced Healthcare Materials	3(1)	106-114v.	2014
31.	Khandelia, R., Jaiswal, A., Ghosh, S.S., Chattopadhyay, A.	Polymer coated gold nanoparticle-protein agglomerates as nanocarriers for hydrophobic drug delivery	Journal of Materials Chemistry B	20(38)	6472-6477	2014

32.	Behera, A.; Ali, W.; Guin, S.; Khatun, N.; Mohanta, P. R.; Patel, B. K.*	Benzyl bromides as aroyl surrogates in substrate directed Pd catalysed *o*-aroylation	RSC Adv.	5	33334.	2015
33.	Majji, G.; Rajamanickam, S.; Khatun, N.; Santra, S. K.; Patel, B. K.*	Generation of *bis*-acyl ketals from esters and benzyl amines under oxidative conditions	J. Org. Chem	80	3440	2015
34.	Ali, W., Rout, S.K., Guin, S., Modi, A., Banerjee, A., Patel, B.K.	Copper-catalyzed cross dehydrogenative coupling of N,N-disubstituted formamides and phenols: A direct access to carbamates	Advanced Synthesis and Catalysis	357	515-522	2015
35.	Santra, S. K.; Banerjee, A.; Khatun, N.; Samanta, A.; Patel, B. K.	Palladium catalyzed ortho-halogenation of 2-arylbenzothiazole and 2,3-diarylquinoxaline	RSC Adv.	5	11960	2015
36.	Khatun, N.; Santra, S. K.; Banerjee, A.; Patel, B. K.	Nano CuO Catalyzed Cross Dehydrogenative Coupling (CDC) of Aldehydes to Anhydrides	Eur. J. Org. Chem.	6	1309-1313	2015
37.	Khatun, N.; Banerjee, A.; Santra, S. K.; Behera, A.; Patel, B. K.	Pd(II)-catalysed o-aroylation of directing arenes using terminal aryl alkenes and alkynes	RSC Adv.	4(97)	54532-54538	2014
38.	Banerjee, A.; Santra, S. K.; Mishra, A.; Khatun, N.; Patel, B. K.	Copper(I) Promoted Cycloalkylation-Peroxidation of Unactivated Alkenes via sp3 C-H Functionalisation:	Org. Biomol. Chem.	13(5)	1307-1312	2015
39.	Santra, S. K. Banerjee, A.; Khatun, N.; Patel, B. K.**,** .	Ceric Ammonium Nitrate (CAN) Promoted Pd(II)-Catalyzed Substrate Directed o-Benzoxylation and Decarboxylative o-Aroylation	Eur. J. Org. Chem.	2	350-356	2015
40.	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 via sp3 C-H activation under metal free conditions.	Chem Commun.	50(81)	12193	2014
41.	Gogoi, A.; Modi, A.; Guin, S.; Rout, S. K.; Das, D.; Patel, B. K.,	A metal free domino synthesis of 3-aroylindoles via two sp3 C-H activation.	Chem Commun.	50(72)	10445-10447	2014
42.	Ali, W.; Guin, S.; Rout, S. K.; Gogoi, A.; Patel, B. K.	Thioesterification of alkylbenzenes with thiols via copper-catalyzed cross dehydrogenative coupling without directing group.	Adv. Synth. Catal	356	3099-4084	2014
43.	Sahoo, S. K.; Jena, H. S.; Majji, G.; Patel, B. K.	Formation of imidazolidinebenzothiazole-Cu(II) complexes via a copper mediated room temperature C-H activation of imidazolidinecarbo-thiamides.	Synthesis	46(14)	1886-1900	2014
44.	Guin, S.; Rout, S. K.; Gogoi, A.; Ali, W.; Patel, B. K.	A palladium II-catalysed synthesis of alpha-ketoamides via Chemoselective Aroyl Addition to cyanamides.	Adv. Synth. Catal.	356	2559-2565	2014
45.	Rout, S. K.; Guin, S.; Ali, W.; Gogoi, A.; Patel, B. K.	Copper-catalyzed esterification of alkylbenzenes with cyclic ethers and cycloalkanes via C(sp3)-H activation following cross-dehydrogenative coupling.	Org. Lett.	16(11)	3086-3089	2014

46.	Gogoi, A., Guin, S., Rout, S.K., Majji, G., Patel, B.K.	A Cu-catalysed synthesis of substituted 3-methyleneisoindolin-1-one	RSC Advances	4(104)	59902-59907	2014
47.	Behera, A., Rout, S.K., Guin, S., Patel, B.K.	Benzylamine as an arylcarboxy surrogate: A copper catalysed o-benzoxylation of 2-phenylpyridines using benzyl amines	RSC Advances	4(98)	55115-55118	2014
48.	Islam, K., Das, D.K., Khan, A.T.	Hydrated ferric sulfate catalyzed synthesis of 5,6-unsubstituted 1,4-dihydropyridines using three-component reaction	Tetrahedron Letters	55(41)	5613-5617	2014
49.	Ghosh, A., Khan, A.T.	Synthesis of dihydrochromeno[4,3-b]pyrazolo[4,3-e]5rganiza-6(7H)-ones involving one-pot three-component tandem Knoevenagel-Michael reaction catalyzed by n-tetrabutylammonium tribromide (TBATB)	Tetrahedron Letters	55(12)	2006-2009	2014
50.	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	Tetrahedron Letters	(35)	4869-4874	2014
51.	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	RSC Advances	4(96)	53572-53760	2014
52.	D. Mahesh, P. Sadhu and T. Punniyamurthy,	Copper(I)-Catalyzed Regioselective Amination of N-Aryl Imines Using $TMSN_3$ and TBHP: A Route to Substituted Benzimidazoles	J. Org. Chem.	80(3)	1644-1650	2015
53.	G. Bharathiraja, M.Sengoden M. Kannan, and T. Punniyamurthy	Expedient Synthesis of Tetrasubstituted Pyrroles via Copper-Catalyzed Cascade Inter-/Intramolecular Cyclization of 1,3-Enynes Carry a Nitro Groupwith Amines	Org. Biomol. Chem.	13(9)	2786-2792	2015
54.	M. Sengoden, M. Vijay, E. Balakumar, and T. Punniyamurthy,	Efficient Pyrrolidine Catalyzed Cycloaddition of Aziridines with Isothiocyanates, Isoselenocyanates and Carbon Disulfide “On Water”	*RSC Adv.*	4(97)	54149-54157	2014
55.	P. Sadhu, S. K. Alla, and T. Punniyamurthy,	Room Temperature Cu(II)-Catalyzed Chemo- and Regioselective Ortho-Nitration of Arenes via C-H Functionalization	J. Org. Chem.	79(18)	8541-8549	2014
56.	M. Kannan and T.	Effect of Ligand *N,N*-	Tetrahedron:	25(19)	1331-	2014

	Punniyamurthy	Substituents on the Reactivity of Chiral Copper(II) Salalen, Salan, and Salalan Complexes Toward Asymmetric Nitroaldol Reactions	Asymmetry		1339	
57.	S. K. Alla, P. Sadhu, and T. Punniyamurthy,	Organocatalytic Syntheses of Benzoxazoles and Benzothiazoles Using Aryl Iodide and Oxone via C-H Functionalization and C-O/S Bonds Formation.	J. Org. Chem.	79(16)	7502-7511	2014
58.	D. Sar, R. Paul, M. Sengoden, and T. Punniyamurthy	Synthesis of Substituted Pyrazoles from Vinylhydrozones via Bromoamination and Hydroamination with 2,2,6,6-Tetramethylpiperidine-1-oxyl and N- Bromosuccinimide	Asian J. Org. Chem.	3(5)	638-643	2014
59.	C. M. Rajesh & Manabendra Ray	Characterization of a meso-chiral isomer of a hexanuclear Cu(II) cage from racemization of L-alanine Schiff base	Dalton Transaction	43(34)	12952-12960	2014
60.	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	Crystal Growth & Design,	14(8)	3958-3966	2014
61.	Borah, M., Gogoi, P., Indukuri, K., Saikia, A.K.	Diastereoselective synthesis of substituted tetrahydrothiophenes and –thiopyrans via thia-prins cyclization reaction	Journal of Organic Chemistry	80(5)	2641-2648	2014
62.	*Anil K. Saikia; Ramanjaneyulu Unava; Kiran Indukuri; Sujit Sarkar*	Regioselective One-pot, Three-component Synthesis of Substituted 2H-Indazoles from Nitroarylaldehyde, Alkyne and Amine Catalyzed by CuBr/Zn(Otf)2 System	**RSC Adv.**	**4(98)**	**55296-55299**	**2014**
63.	*Prakash Saudagar; Shyam Lal Mudavath; Pipas Saha; Anil K. Saikia; Shyam Sundar; Vikash Kumar Dubey*	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	**Letters in Drug Design & Discovery**	**11(7)**	**937-939**	**2014**
64.	*Paramartha Gogoi; Vijay Kumar Das; Anil K. Saikia*	Diastereoselective Synthesis of Substituted Tetrahydrofurans via Prins Cyclization of Enol Ethers.	**J. Org. Chem.**	**79(18)**	**8592-8598**	**2014**
65.	*Anil K. Saikia; Kiran Indukuri; Jagadish Das*	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 |	**Org. Biomol. Chem**	**12(36)**	**7026-7035**	**2014**
66.	*Priya Ghosh; Pipas Saha; Somasekhar Bondalapati; Kiran Indukuri; Anil K. Saikia*	Lewis Acid Mediated Intramolecular C-C bond formation of Alkyne-Epoxide Leading to Six Membered Nitrogen and Oxygen	**J. Org. Chem.**	**79(9)**	**4119-4124**	**2014**

		Heterocycles				
67.	C. Kar. S. Samanta, S. Goswami, A. Ramesh and Gopal Das	A Single Probe to Sense Al(III) Colorimetrically and Cd(II) by Turn-On Fluorescence in Physiological Conditions and Live Cells:Corroborated by X-ray crystallographic and Theoretical studies	Dalton Trans.	44	4123-4132	2015
68.	B. Saha, J. Saikia and Gopal Das	Correlating enzyme density, conformation and activity on nanoparticle surfaces in highly functional bio-nanocomposites	Analyst	140	532-542	2015
69.	Gogoi and Gopal Das	NIR Sensing of Zn(II) and Subsequent Dihydrogen Phosphate Detection by a Benzothiazole Functionalized Ninhydrin Based Receptor	RSC Adv.	4	55689-55695	2014
70.	S. Goswami, D. Thiyagarajan, Gopal Das and A. Ramesh	A Biocompatible Nanocarrier Fortified with a Dipyridinium-based Amphiphile for Eradication of Biofilm	ACS Appl. Mater. Inter.	6	16384-16394	2014
71.	R. Chutia and Gopal Das	Hydrogen and Halogen bonding in a concert act of anion recognition: F- induced atmospheric CO2 uptake by an iodophenyl functionalized simple urea receptor	Dalton Trans.	43	15628-15637	2014
72.	S. Samanta, S. Goswami, Md. N. Hoque, A. Ramesh and Gopal Das	An Aggregation-Induced Emission (AIE) Active Probe Renders Al(III) Sensing and Tracking of Subsequent Interaction with DNA	Chem. Commun.	50	11833-11836	2014
73.	B. Dattta, C. Kar and Gopal Das	A novel C3v-symmetric completely water soluble turn-on chemo sensor for Cd2+ and the resultant complex for iodide anion in aqueous medium	Sensor. Actuators, B.Chem	204	474-479	2014
74.	S. P. Uday, D. Thiyagarajan, S. Goswami, M. D. Adhikari, Gopal Das and A. Ramesh	Amphiphile-mediated Enhanced Antibiotic Efficacy and Development of a Payload Nanocarrier for Effective Killing of Pathogenic Bacteria	J. Mater. Chem B	2	5818-5827	2014
75.	Gogoi, S. Samanta, Gopal Das	A Benzothiazole Containing CHEF based Fluorescence Turn-On Sensor for Zn2+ and Cd2+ and Subsequent Sensing of H2PO4- and P4O74- in Physiological pH	Sensor. Actuators, B.Chem	202	788-794	2014
76.	D. Thiyagarajan, S. Goswami, C. Kar, Gopal Das, A. Ramesh	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	Chem. Commun.	50	7434-7436	2014

77.	B. K. Datta, D. Thiyagarajan, S. Samanta, A. Ramesh, Gopal Das	A novel chemosensor with visible light excitability for sensing Zn(II) in physiological medium and in HeLa cells	Org. Biomol. Chem.	12	4975-4982	2014
78.	J. Saikia, Gopal Das J. Env.	Framboidal vaterite for selective adsorption of anionic dyes	Chem. Engg.	2	1165-1173	2014
79.	Md. N. Hoque, Gopal Das	Cationic Tripodal Receptor Assisted Formation of Anion and Anion-Water Clusters: Structural Interpretation of Dihydrogen Phosphate Cluster and Sulfate-Water Tetramer [(SO4)2-(H2O)2]4-	Cryst. Growth Des.	14	2962-2971	2014
80.	Basu, R. Chutia and Gopal Das	Dual modes of binding on hexafluorosilicate anion by a C3v symmetric flexible tripodal amide ligand in solid state	CrystEngComm.	16	4886-4891	2014
81.	C. Kar, S. Samantaa, S. Mukherjeeb, B. K. Datta, Aiyagari Ramesh and Gopal Das	A simple and efficient Fluorophoric probe for dual sensing of Fe3+ and F-: Application to bioimaging in native cellular iron pool and live cell	New J. Chem	38	2660-2669	2014
82.	Basu, Gopal Das	A C3v Symmetric Tripodal Urea Receptor for Anions and Ion-pairs: Formation of Dimeric Capsular Assemblies of the Receptor during Anion and Ion-pair Coordination	J. Org. Chem.	79	2647-2656	2014
83.	Md. N. Hoque, Gopal Das	Hydrated anion glued capsular and non-capsular assembly of a tripodal host: solid state recognition of bromide-water [Br5-(H2O)6]5- and iodide-water[I2-(H2O)4]2- clusters in cationic tripodal receptor	CrystEngComm.	16	4447-4458	2014
84.	Hoque, M.N., Basu, A., Das, G.	Structural insight into the anion-water cluster: Stabilised by alcohol and carboxylic acid containing tripodal ligand	Supramolecular Chemistry	26	392-402	2014
85.	Hoque, M.N., Basu, A., Das, G.	Fluorescence turn on sensor for sulfate ion in aqueous medium using tripodal-Cu2+ ensemble	Journal of Fluorescence	24(2)	411-416	2014
86.	Hussain, S.; Malik, A. H., Iyer, P. K.,	Highly Precise Detection, Discrimination, and Removal of Anionic Surfactants over the Full pH Range via Cationic Conjugated Polymer: An Efficient Strategy to Facilitate Illicit-Drug Analysis.	ACS Appl. Mater. Interfaces	7	3189-3198	2015
87.	Goutam, P. J.; Iyer, P. K.	Selective detection of resorcinol using abis(benzothiazol-2-yl)pyridine based ditopic receptor.	Sensors and Actuators B	211	263-267	2015

88.	Subbarao, N.V.V.; Gedda, M.; Iyer, P. K.;Goswami, D. K.	Enhanced environmental stability induced by effective polarization of a polar dielectric layer in a trilayer dielectric system of organic field-effect transistors: A quantitative study.	ACS Appl. Mater. Interfaces	7	1915-1924	2015
89.	Muthuraj, B.; Chowdhury, S. R.; Mukherjee, S.; Patra, C.; Iyer, P. K.	Aggregation Deaggregation Influenced Ultrasensitive detection of Cu2+ and ATP by Histidine Functionalized Water-Soluble Fluorescent Perylene Diimide under Physiological Conditions and in Living Cells.	RSC Advances	5		2015
90.	Muthuraj, B.; Layek, S.; Trivedi, V.; Iyer, P. K.	Multiple Function Fluorescein Probe Performs Metal Chelation, Disaggregation and Modulation of Aggregated Aβ and Aβ-Cu Complex.	ACS Chemical Neuroscience	6		2015
91.	Dey, A.; Kalita, A.; Iyer, P. K.	High performance n-channel organic thin film transistor based on naphthalene diimide.	ACS Appl. Mater.Interfaces	6	12295-12301	2014
92.	Vasimalla, S.; Senanayak, S.;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.	Chem. Mater.	26	4030-4037	2014
93.	Chetia, B.; Iyer, P. K.	Selective fluoride anion sensing by simple benzimidazolyl based ligand.	Sensors and Actuators B	201	191-195	2014
94.	Muthuraj, B.; Deshmukh, R.; Trivedi, V.;Iyer, P. K.	Highly Selective Probe Detects Cu^{2+} and Endogenous NO Gas in Living Cell.	ACS Appl. Mater. Interfaces	6	6562-6569.	2014
95.	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.	Org. Elect.	15	1650-1656.	2014
96.	Dwivedi, A. K.; Iyer, P. K.	Therapeutic Strategies to Prevent Alzheimer Disease Pathogenesis Using Fluorescent Conjugated Polyelectrolyte.	Macromolecular Bioscience	14	508-514	2014
97.	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,Nâ€²-dioctadecyl-3,4,9,10-perylenetetracarboxylic diimide based organic field-effect transistors	Physica Status Solidi (A) Applications and Materials Science	211(10)	2403-2411	2014
98.	Raju, T.B., Gopikrishna, P., Iyer, P.K.	Highly efficient and facile alkylation of 4H-cyclopenta-[2,1-b:3,4- bâ€²]dithiophene in water	RSC Advances	4(71)	37738-37745	2014

99.	Chipem, F.A.S., Malakar, A., Krishnamoorthy, G.	Intramolecular proton transfer in 2-(2â€²-hydroxyphenyl)oxazolo[4,5-b]pyridine: Evidence for tautomer in the ground state	Photochemistry and Photobiology	91(2)	298-305	2015
100.	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.	Sensors and Actuators, B: Chemical	202	1154-1163	2014
101.	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	Inorganic Chemistry	53(2)	922-930	2014
102.	Chipem, F.A.S., Behera, S.K., Krishnamoorthy, G.	Excited state proton transfer of 2-(2â€²-hydroxyphenyl)benzimidazole and its nitrogen substituted analogues in bovine serum albumin	Photochemical and Photobiological Sciences	13(9)	1297-1304	2014
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117.	Subrata Paul and **Sandip Paul**	''Molecular Insights into the Role of Aqueous Trehalose Solution on Temperature Induced Protein Denaturation''	*J. Phys. Chem. B*	119(4)	1598-1610	2015
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	Debapratim Das					
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