

**Publications (List of papers published in SCI Journals, in year wise descending order)**

Sl. No.	Authors	Title	Name of Journal	Volume	Page	Year	Impact Factor
146	MnAPO-5 as an efficient heterogeneous catalyst for selective liquid phase partial oxidation reactions	Sauvik Chatterjee, Piyali Bhanja, Luna Paul, Mahammad Ali and Asim Bhaumik	Dalton Trans.	47	791-798	2018	4.099
145	Mainak Debnath, Malay Dolai, Kaberi Pal, Sourav Bhunya, Ankan Paul, Hon Man Leec and Mahammad Ali	Mono- and dinuclear oxidovanadium(V) complexes of an amine-bis(phenolate) ligand with bromo-peroxidase activities: synthesis, characterization, catalytic, kinetic and computational studies	Dalton Trans.	47	2799-2809	2018	4.099
144	Malay Dolai, Urmila Saha, Gopinatha S. Kumar, Mahammad Ali	Amidooxime-Based Mononuclear Mn(II) Complexes: Synthesis, Characterization, and Studies on DNA Binding and Nuclease Activity	Chemistry Select	3	6935-6941	2018	1.505
143	Debjani Maity, Abu Saleh Musha Islam, Chandray Prodhan, Mahammad Ali.	Selective Sensing of nitric oxide by 9,10-phenanthroquinone-pyridoxal based fluorophore.	Photochemical & Photobiological Sciences.			2018	2.344
142	Rahul Bhowmick, Abu Saleh Musha Islam, Mihir Sasmal, Atul Katarkar and Mahammad Ali,	A Rhodamine hydrazide–4-nitroindole-3-carboxaldehyde based turn on Hg <sup>2+</sup> chemosensor: cytoplasmic live cell imaging, logic gate and memory device applications and Computational studies.	Journal of Coordination Chemistry		1-25	2018	0.665
141	Mihir Sasmal, Rahul Bhowmick, Abu Saleh Musha Islam, Sutanwi Bhuiya, Suman Das,	Domain Specific Association of Phenanthrene-Pyrene Based Synthetic Fluorescent Probe with Bovine Serum Albumin: Spectroscopic and Molecular Docking Analysis.	ACS Omega	3	6293-6304	2018	

	Mahammad Ali						
140	Kaberi Pal , Abu Saleh Musha Islam, Chandray Prodhan, Mahammad Ali.	Kinetic and mechanistic studies of a highly selective H <sub>2</sub> S sensor with cell imaging application.	Chemistry Select	3	7283 – 7290	2018	1.505
139	Rabiul Alam, Abu Saleh Musha Islam, Mihir Sasmal, Atul Katarkar, Mahammad Ali.	Rhodamine-based turn-on nitric oxide sensor in aqueous medium with endogenous cell imaging: an unusual formation of nitrosohydroxylamine	Organic & Biomolecular Chemistry	16	3910-3920	2018	3.423
138	Rahul Bhowmick, Abu Saleh Musha Islam, Urmila Saha, Gopinatha Suresh Kumar, Mahammad Ali.	Rhodamine based turn-on chemosensor for Fe <sup>3+</sup> in aqueous medium and interactions of its Fe <sup>3+</sup> complex with DNA	New J. Chem.	42	3435-3443.	2018	3.277
137	Habib Ali Molla, Rahul Bhowmick, Abu Saleh Musha Islam, Bibhutibhushan Show, Nillohit Mukherjee, Anup Mondal, Mahammad Ali.	A turn-on fluorogenic chemosensor for Fe <sup>3+</sup> and a Schottky barrier diode with frequency-switching device applications	Photochemical & Photobiological Sciences	17	465-473	2018	2.344
136	H. Mohammad, A. S. M. Islam, C. Prodhan , K. Chaudhuri and M. Ali	A hydrazone based probe for the selective fluorescent detection of Al(III) and Al(III)-probe complex mediated secondary PPI sensing: computational studies, interpretation of molecular logic circuit and memory device and intracellular application	Photochem. Photobiol. Sci	17	200-212.	2018	2.344
135	M. Dolai, A. Mondal, J. L. Liu and M. Ali	Three novel mononuclear Mn(III)-based magnetic materials with square pyramidal versus octahedral geometries	New J. Chem.	41	10890-10898	2017	3.277
134	R. Bhowmick, A. S. M. Islam, A. Giri, A. Katarkar and M. Ali	A rhodamine based turn-on chemosensor for Fe <sup>3+</sup> in aqueous medium and interactions of its Fe <sup>3+</sup> complex with HSA	New J. Chem.	41	11661-11671	2017	3.277
133	D. Das, R. Bhowmick, A. Katarkar, K.	A Rhodamine-Based Fluorescent Sensor for Rapid Detection of Hg <sup>2+</sup> Exhibiting Aggregation Induced Enhancement of	J. Ind. Chem. Soc.	249	78-87	2017	0.36

	Chaudhuri and M. Ali	Emission (AIEE) in Aqueous Surfactant Medium.					
132	R. Alam, R. Bhowmick, A. S. M. Islam, A. katarkar, K. Chaudhuri and M. Ali	A rhodamine based fluorescent trivalent sensor (Fe <sup>3+</sup> , Al <sup>3+</sup> , Cr <sup>3+</sup> ) with potential applications for live cell imaging and combinational logic circuits and memory devices.	<i>New J. Chem.</i>	41	8359-8369	2017	3.277
131	L. Paul , B. Banerjee, A. Bhaumik, M. Ali	Catecholase activity of a manganese Schiff base complex functionalized over SBA-15 in aqueous heterogeneous medium	<i>Microporous and Mesoporous Materials</i>	249	78-87	2017	3.615
130	M. Dolai, H.A. Molla, G. Rogez, M. Ali	Two [Mn <sub>3</sub> (μ <sub>3</sub> -O)] <sup>7+</sup> based single chain magnets with different solvent ligation	<i>Polyhedron</i>	127	248–256	2017	2.108
129	T. Mistri, R. Bhowmick, A. Katarkar, K. Chaudhuri, M. Ali	A novel three-input monomolecular logic circuit on a rhodamine inspired bio-compatible bi-compartmental molecular platform	<i>Journal of Luminescence</i>	185	228-235	2017	2.693
128	A. S. M. Islam, R. Bhowmick, K. Pal, A. Katarkar, K. Chaudhuri and M. Ali	A Smart Molecule for Selective Sensing of Nitric Oxide: Conversion of NO to HSNO- a Relevance of Biological HSNO Formation	<i>Inorg. Chem.</i>	56	4324–4331	2017	4.820
127	M. Dolai, . Alam, A Katarkar, K. Chaudhuri, M. Ali	Oxime based Selective Fluorescent Sensor for Arsenate ion in a Greener Way with Bio-Imaging Application	<i>Analytical Sciences</i>	32	1295-1300	2016	1.174
126	S. Biswas, M. Dolai, A. Dutta, M. Ali	Synthesis, structural characterization and DFT calculation on a square-planar Ni(II) complex of a compartmental Schiff base ligand	<i>J. Mol. Struct.</i>	1125	688-695	2016	1.602
125	L. Paul, M. Dolai, A. Panja and M. Ali	Hydrothermal synthesis of two supramolecular inorganic–organic hybrid phosphomolybdates based on Ni(II) and Co(II) ions: structural diversity and heterogeneous catalytic activities	<i>New J.Chem.</i>	40	6931	2016	3.277
124	A. S. M. Islam, R. Bhowmick, H. Mohammad, A. Katarkar, K. Chaudhuri and M. Ali	A novel 8-hydroxyquinoline-pyrazole based highly sensitive and selective Al(III) sensor in a purely aqueous medium with intracellular application: experimental and computational studies.	<i>New J.Chem.</i>	40	4710	2016	3.277
123	L. Paul, B. Banerjee, A. Bhaumik, M. Ali,	Functionalized SBA-15 supported nickel (II)-oxime-imine catalysts for liquid phase oxidation of olefins under solvent-free	<i>J. Solid State Chemistry</i>	237	105	2016	2.265

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122	A. Jana, M. Dolai, B. K. Shaw, S. K. Saha, M. Ali	Two new mononuclear cobalt(II) complexes of pyrazole-based ligands: synthesis, structures and magnetic studies	<b>Transition Met. Chem</b>	41	347	2016	1.465
121	R. Alam, K. Pal, B.K. Shaw, M. Dolai, N. Pal, S.K. Saha, M. Ali	Synthesis, structure, catalytic and magnetic properties of a pyrazole based five coordinated di-nuclear cobalt (II) complex,	<b>Polyhedron</b>	106	84	2016	2.108
120	R. Alam, T. Mistri, R. Bhowmick, A. Katarkar, K. Chaudhuri, M. Ali,	ESIPT blocked CHEF based differential dual sensor for Zn <sup>2+</sup> and Al <sup>3+</sup> in a pseudo-aqueous medium with intracellular bio-imaging applications and computational studies	<b>RSC Advances</b>	6	1268	2016	3.289
119	R. Bhowmick, A.S.M. Islam, A. Katarkar, K. Chaudhuri, M. Ali	Surfactant modulated aggregation induced enhancement of emission (AIEE)—a simple demonstration to maximize sensor activity	<b>Analyst</b>	141	225	2016	4.107
118	T. Mistri, R. Alam, R. Bhowmick, A. Katarkar, K. Chaudhuri, M. Ali	A rhodamine embedded bio-compatible smart molecule mimicking a combinatorial logic circuit and 'key-pad lock' memory device for defending against information risk	<b>New J. of Chem.</b>	40	330	2016	3.277
117	R. Bhowmick, R. Alam, T. Mistri, K.K. Das, A. Katarkar, K. Chaudhuri, M. Ali	A thiosemicarbazone based chemo and fluorogenic sensor for Zn <sup>2+</sup> with CHEF and ESIPT behaviour: computational studies and cell imaging application	<b>RSC Advances</b>	6	11388	2016	3.289
116	S. Biswas, A. Dutta, M. Dolai, I. Bhowmick, M. Rouzières, R. Clérac, A. Panja and M. Ali	Novel Cu <sup>II</sup> -M <sup>II</sup> -Cu <sup>II</sup> (M = Cu or Ni) trinuclear and [Na <sub>2</sub> Cu <sub>6</sub> ] hexanuclear complexes assembled by bi-compartmental ligands: syntheses, structures, magnetic and catalytic studies	<b>Dalton Trans.</b>	44	9426	2015	4.177
115	A. Dutta, S. Biswas, A. Escuer, M. Dolai, S. Ghosh and M. Ali	Synthesis, crystal structures, magnetic and catalytic studies on a novel trinuclear Mn <sup>II</sup> <sub>3</sub> complex	<b>ChemPlusChem.</b>	80	1440	2015	2.997
114	H. A. Molla, R. Bhowmick, A. Katarkar, K. Chaudhuri, S. Gangopadhyay, and M. Ali	A novel rhodamine-3,4-dihydro-2H-1,3-benzoxazine conjugate as a highly sensitive and selective chemosensor for Fe <sup>3+</sup> ion with cytoplasmic cell imaging possibilities	<b>Analytical Methods</b>	7	5149	2015	1.821
113	R. Bhowmick, R. Alam, T. Mistri, D. Bhattacharya, P.	Morphology directing synthesis of Rhodamine-based fluorophore microstructures and application towards	<b>ACS Appl. Mater. Interfaces</b>	7	7476	2015	7.145

	Karmakar and M. Ali	extra and intracellular detection of Hg <sup>2+</sup>					
112	A.S.M. Islam, R. Alam, A. Katarkar, K. Chaudhuri and M. Ali	Di-oxime based selective fluorescent probe for arsenate and arsenite ions in purely aqueous medium with living cell imaging application and H-bonding induced microstructure formation	<i>Analyst</i>	140	2979	2015	4.107
111	A. Dutta, S. Biswas, M. Dolai, B. K. Shaw, A. Mondal, S. K. Saha and M. Ali	Mononuclear manganese(III) complexes of bidentate NO donor Schiff base ligands: synthesis, structural characterization, magnetic and catecholase studies	<i>RSC Adv</i>	5	23855	2015	3.289
110	R. Alam, T. Mistri, R. Bhowmick, A. Katarkar, K. Chaudhuri, M. Ali	Dual channel selective fluorescent detection of Al <sup>3+</sup> and PPI in mixed aqueous media: DFT studies and cell imaging applications	<i>RSC Adv</i>	5	53940	2015	3.289
109	M Dolai, M Ali, J Titiš, R Boča	Cu (ii)–Dy (iii) and Co (iii)–Dy (iii) based single molecule magnets with multiple slow magnetic relaxation processes in the Cu (ii)–Dy (iii) complex.	<i>Dalton Transactions</i>	44	13242	2015	4.177
108	S. Biswas, A. Dutta, M. Dolai, M. Debnath, A. D. Jana and M. Ali	Copper(II) induced oxidative modification and complexation of a Schiff base ligand: synthesis, crystal structure, catalytic oxidation of aromatic hydrocarbons and DFT calculation	<i>RSC Adv.</i>	4	23855	2014	3.289
107	R. Bhowmick, M. Dolai, R. Alam, T. Mistri, A. Katarkar, K. Chaudhuri and M. Ali	A novel pyrene-2-(pyridin-2-ylmethylsulfanyl)ethylamine based turn-on dual sensor for Al <sup>3+</sup> : experimental and computational studies.	<i>RSC Adv.</i>	4	41784	2014	3.289
106	M. Dolai, A. Amjad, M. Debnath, J. van Tol, E. del Barco and M. Ali	Water-Stable Manganese(IV) Complex of a N <sub>2</sub> O <sub>4</sub> -Donor Non-Schiff- Base Ligand: Synthesis, Structure, and Multifrequency High-Field Electron Paramagnetic Resonance Studies.	<i>Inorg. Chem.</i>	53	5423	2014	4.820
105	M. Dolai, T. Mistri, S. Biswas, G. Rogez and M. Ali	Solvent-Dependent Oxime–Azide and Oxime–Nitrile Coupling: Crystallographic and Catalytic Studies.	<i>ChemPlusChem</i>	79	1649	2014	2.997
104	M. Dolai and M. Ali	Two new twisted helical nickel(II) and cobalt(III) octahedral monomer complexes: Synthesis and Structural Characterization.	<i>J. Chem. Science</i>	126	1647	2014	1.298
103	R. Alam, T. Mistri, P. Mondal, D. Das,	A novel copper(II) complex as a nitric oxide turn-on fluorosensor: intracellular	<i>Dalton Trans.</i>	43	2566	2014	4.177

	S. K. Mandal, A. R. Khuda-Bukhsh and M. Ali	applications and DFT calculation.					
102	R. Alam, T. Mistri, A. Katarkar, K. Chaudhuri, S.K. Mandal, A. R. Khuda-Bukhsh, K. K. Das, and M. Ali	A novel chromo- and fluorogenic dual sensor for Mg <sup>2+</sup> and Zn <sup>2+</sup> with cell imaging possibilities and DFT studies	<b>Analyst</b>	139	402	2014	4.107
101	N. Pal, M. Pramanik, A. Bhaumik and M. Ali	Highly selective and direct oxidation of cyclohexane to cyclohexanone over vanadium exchanged NaY at room temperature under solvent-free conditions	<b>J. Mol. Catal. A: Chemical.</b>	392	299	2014	3.958
100	S. Biswas, A. Dutta, M. Debnath, M. Dolai, K. K. Das and M. Ali	A novel thermally stable hydroperoxo–copper(II) complex in a Cu(N <sub>2</sub> O <sub>2</sub> ) chromophore of a potential N <sub>4</sub> O <sub>2</sub> donor Schiff base ligand: synthesis, structure and catalytic studies.	<b>RSC Adv.</b>	4	41784	2014	3.289
99	R. Chatterjee, L. Paul, D. K. Hazra, N. Pal, A. D. Jana, M. Mukherjee and M. Ali	Encapsulation of a double-helical water-nitrate chain inside unique double helical chiral channels formed from Keggin POM and hexaquo-cobalt(II) units.	<b>Polyhedron</b>	68	265	2014	2.108
98	S. Biswas, A. Dutta, M. Dolai, I. Bhowmick, M. Rouzières, H. M. Lee, R. Clérac and M. Ali	Dinuclear Cu <sup>II</sup> –Cu <sup>II</sup> and Cu <sup>I</sup> –Cu <sup>II</sup> complexes of a compartmental ligand – syntheses, structures, magnetic, and catalytic studies.	<b>Eur. J. Inorg. Chem.</b>		4922	2013	2.942
97	T. Mistri, R. Alam, M. Dolai, S. K. Mandal, P. Guha, A. R. Khuda-Bukhsh and M. Ali	Rhodamine-Based Chromo-/Fluorogenic Dual Signalling Probe for Selective Recognition of Hg <sup>II</sup> with Potential Applications for INHIBIT Logic Devices and Cell-Imaging Studies.	<b>Eur. J. Inorg. Chem</b>		5854	2013	2.942
96	M. Debnath, A. Dutta, S. Biswas, K. K. Das, H. M. Lee, J. Vicha, R. Marek, J. Marek and M. Ali,	Catalytic oxidation of aromatic hydrocarbons by monooxoalkoxido vanadium(V) complexes of ONNO donor ethylenediaminebis(phenolate) ligands.	<b>Polyhedron</b>	63	189	2013	2.108
95	I. Banerjee, A. Jana, S. Singh, J. Marek, E. del Barco and M. Ali	Two trigonal–bipyramidal cobalt(II) complexes with small magnetic hysteresis: Synthesis, structure and single crystal magnetic studies.	<b>Polyhedron</b>	66	162	2013	2.108
94	M. Dolai, T. Mistri, A. Panja and M. Ali	Diversity in supramolecular self-assembly through hydrogen-bonding interactions of non-coordinated aliphatic –OH group in a series of heterodinuclear Cu <sup>II</sup> M (M = Na <sup>I</sup> , Zn <sup>II</sup> , Hg <sup>II</sup> , Sm <sup>III</sup> , Bi <sup>III</sup> , Pb <sup>II</sup> and Cd <sup>II</sup> ).	<b>Inorg. Chim. Acta.</b>	399	95	2013	2.046

93	R. Chatterjee, D.K. Hazra, M. Mukherjee, M. Nethaji, M. Ali	Hydrothermal synthesis and characterization of bis (4, 4'-bipyridinium) dodecatungstosilicate dehydrate.	<i>Ind. J. Chem.</i>	52	749	2013	0.729
92	S. Gangopadhyay, T. Mistri, M. Dolai, R. Alam and M. Ali	Chemistry of transition metal carbene complexes: nucleophilic substitution reactions of cyanamide anion to Fischer carbene complexes.	<i>Dalton Trans.</i>	42	567	2013	4.177
91	I. Banerjee, P. N. Samanta, K. K. Das, R. Ababei, M. Kalisz, A. Girard, C. Mathonière, M. Nethaji, R. Clérac and M. Ali	Air oxygenation chemistry of 4-TBC catalyzed by chloro bridged dinuclear copper(II) complexes of pyrazole based tridentate ligands: synthesis, structure, magnetic and computational studies.	<i>Dalton Trans.,</i>	42	1879	2013	4.177
90	T. Mistri, R. Alam, M. Dolai, S. K. Mandal, A.R. Khuda-Bukhsh and M. Ali	A 7-nitrobenz-2-oxa-1,3-diazole based highly sensitive and selective turn-on chemosensor for copper(II) ion with intracellular application without cytotoxicity.	<i>Org. Biomol. Chem.</i>	11	1563	2013	3.562
89	S Biswas, A Dutta, M Debnath, M Dolai, KK Das, M Ali	A novel thermally stable hydroperoxo-copper (II) complex in a Cu (N <sub>2</sub> O <sub>2</sub> ) chromophore of a potential N <sub>4</sub> O <sub>2</sub> donor Schiff base ligand: synthesis, structure and catalytic studies.	<i>Dalton Trans.</i>	42	13210	2013	4.177
88	I. Banerjee, M. Dolai, A. D. Jana, K. K. Das and M. Ali	$\sigma$ -aromaticity in dinuclear copper(II) complexes: unprecedented interaction between perchlorate anion and $\sigma$ -aromatic [Cu <sub>2</sub> X <sub>2</sub> ] (X = N or O) core.	<i>CrystEngComm.</i>	14	4972	2012	3.849
87	A. Jana, A. D. Jana, T. Mistri, M. Dolai, I. Bhoumick, K. K. Das and M. Ali	First crystallographic report on a novel 2D layer of water pentagons: L5(7) water motif enclathrating [Co(cyclam)Cl <sub>2</sub> ].	<i>Inorg. Chem. Commun.</i>	24	157	2012	1.762
86	T. Mistri, M. Dolai, D. Chakraborty, A. R. Khuda-Bukhsh, K. K. Das and M. Ali	A Highly Selective and Sensitive in-vivo Fluorosensor for Zinc (II) without cytotoxicity.	<i>Org. Biomol. Chem.</i>	10	2380	2012	3.562
85	A. Dutta, A. D. Jana, S. Gangopadhyay, K. K. Das, J. Marek, R. Marek, J. Bruse and M. Ali	Unprecedented $\pi$ ... $\pi$ interaction between an aromatic ring and a pseudo-aromatic ring formed through intramolecular H-bonding in a bidentate Schiff base ligand: crystal structure and DFT calculations.	<i>Phys. Chem. Chem. Phys.</i>	13	15845	2011	4.449

84	D. Dutta, A. D. Jana, R. Clérac, J. G. Tojal, G. Mostafa and M. Ali	Design of Tri-Substituted Dodecatungstosilicate from a Trilacunary Silicotungstate by Insertion of Manganese Ions of $[\text{Mn}_3(\mu_3\text{-O})(2\text{-Cl-benzoato})_6(\text{py})_3]$ : Synthesis, Structure, Redox and Magnetic Studies.	<i>Eur. J. Inorg. Chem.</i>		5517	2010	2.942
83	D. Dutta, A. D. Jana, M. Debnath, A. Bhaumik, J. Marek and M. Ali	Robust 1D open rack-like architecture in coordination polymers of Anderson POMs $[\{\text{Na}_4(\text{H}_2\text{O})_{14}\}\{\text{Cu}(\text{gly})\}_2][\text{TeMo}_6\text{O}_{24}]$ and $[\{\text{Cu}(\text{en})_2\}_3[\text{TeW}_6\text{O}_{24}]]$ : synthesis, characterization and heterogeneous catalytic epoxidation of olefins.	<i>Dalton Trans.</i>	39	11551	2010	4.177
82	M. Paul, N. Paul, M. Ali and A. Bhaumik	New mesoporous silicotitaniumphosphate and its application in acid catalysis and adsorption of As(III/V), Cd(II) and Hg(II).	<i>J. Mol. Catalysis A: Chemical.</i>	330	49	2010	3.958
81	D. K. Hazra, R. Chatterjee, M. Ali, and M. Mukherjee	4-(3,5-Dimethyl-1H-pyrazol-4-ylmethyl)-3,5-dimethyl-1H-pyrazol-2-iumdihydrogen phosphate: a combined X-ray and DFT study.	<i>Acta Cryst. Sec. C Cryst. Struc. Comm.</i>	66	190	2010	0.413
80	I. Banerjee, J. Marek, R. Herchel and M. Ali	Magnetic Coupling in EE and EO Azido-Bridged Binuclear Copper Complexes: Synthesis, Structure and Magnetic Studies,	<i>Polyhedron</i>	29	1201	2010	2.108
79	D. Maity, A. D. Jana, M. Debnath, N.I GR Hearn, M.-H. Sie, H. M. Lee, R. Clérac, M. Ali	A $\mu_3$ -Alkoxo-Bridged Tetranuclear $[\text{Cu}_4\text{L}_2]$ Copper (II) Complex of a Hexadentate $\text{N}_2\text{O}_4$ Donor Ligand with a $[6+0]$ $\text{Cu}_4\text{O}_4$ Cubane Core: Synthesis, Crystal Structure, and Magnetic Properties	<i>Eur. J. Inorg. Chem.</i>		3484	2010	2.942
78	Md. Mijanuddin, A. D. Jana, A. Ray, M.G. B. Drew, K. K. Das, A. Pramanik and M. Ali	Geometrical isomers of $[\text{TEAH}][\text{Co}(\text{L}^{\text{Se}})_2]\cdot x\text{H}_2\text{O}$ : synthesis, structural, spectroscopic and computational studies.	<i>Dalton Trans.</i>	26	5164	2009	4.177
77	M. Ali, D. Dutta, S. Biswas, J. Marek and A.D. Jana	The first crystallographic observation of up to third hydration layer of Cu(II) ion in an unusual 'water- cation layer' templated by an Anderson polyoxometallate,	<i>CrystEngComm.</i>	11	2068	2009	3.849
76	A. Ray, D. Maity, A. Pramanik, K. K. Das, M. Nandi, A. Bhaumik, M. Nethaji, S. Mondal, M. Mukherjee and	Two highly unsymmetrical tetradentate ( $\text{N}_3\text{O}$ ) Schiff base copper(II) complexes: template synthesis, structural characterization, magnetic and computational studies.	<i>Polyhedron</i>	28	3659	2009	2.108



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75	Md. Mijanuddin , A. D. Jana , Michael G.B. Drew , C. S. Hong , B. Chattopadhyay , M. Mukherjee , M. Nandi , A. Bhaumik, M. Helliwell, G. Mostafa, M. Ali	Concomitant Polymorphism of an Antiferromagnetically Coupled Dicopper(II,II) Complex with Single Stranded Helical Assembly: Synthesis, Structure, DSC, Magnetic and Catalytic Studies	<b>Polyhedron</b>	28	665	2009	2.108
74	A. Ray, I. Bhowmick, W. S. Sheldrick, A. D. Jana and M. Ali	2D water layer enclathrated between Mn(II)-Ni(CN) <sub>4</sub> coordination frameworks.	<b>J. Solid State Chem.</b>	182	2608	2009	2.265
73	R. Chatterjee, M. Ali, M. G. B. Drew, M. Nethaji, S. Mondal, M. Mukherjee	Hydrothermal synthesis and structural characterization of novel $\alpha$ -Keggin unit-supported Cu(II)- and Mn(II)-bipyridine complexes from a tri-lacunary precursor.	<b>Transition Met. Chem.</b>	34	1	2009	1.465
72	D. Dutta, A. D. Jana, A. Ray, J. Marek and M. Ali	Synthesis of a new polymorph of $\{[Cu(pyridine-2-carboxylate)_2]\}$ system.	<b>Ind. J. Chem.</b>	47A	1656	2008	0.729
71	A. Ray , P. C. Mandal , A. D. Jana, W.S. Sheldrick, S. Mondal , M. Mukherjee and M. Ali	Cyanometallate incorporated supramolecular networks based on a nitroalkyl-substituted Cu <sup>II</sup> N <sub>4</sub> Precursor: Synthesis, crystal structure thermal and electrochemical studies.	<b>Polyhedron</b>	27	3112	2008	2.108
70	D. Dutta, D. Maity, M. Ali, M.G. B. Drew, S. Mondal, and M. Mukherjee	A novel cation induced polymeric chain in Na <sub>8</sub> [{Cu(gly) <sub>2</sub> }] <sub>2</sub> {H <sub>2</sub> (H <sub>2</sub> W <sub>12</sub> O <sub>42</sub> )} • 24H <sub>2</sub> O: Hydrothermal synthesis, spectroscopic characterization and X-ray structure analysis.	<b>Transition Met. Chem.</b>	33	347	2008	1.465
69	M. Mijanuddin, D. Maity, M. Ali, M.G.B. Drew, and P.C. Mondal	Synthesis, structure and properties of cobalt(II/III) seleno-bisphenolate complexes containing NN bidentate co-ligands: Kinetic studies on the reduction of a cobalt(III) complex by ascorbic acid in 80% MeCN-20% water.	<b>Transition Met. Chem.</b>	32	985	2007	1.465
68	D. Maity, Md. Mijanuddin, M.G.B. Drew, J.	Oxovanadium(V) complexes of bis(phenolate) ligands with acetylacetonone as co-ligand: Synthesis,	<b>Polyhedron</b>	26	4494	2007	2.108

	Marek, P.C. Mondal, B. Pahari, and M. Ali	crystal structure, electrochemical and kinetics studies on the oxidation of ascorbic acid.					
67	D. Maity, W.S. Sheldrick, F. H. Mayer, and M. Ali	Synthesis, crystal structure and fluorescence studies of two manganese(III) complexes of amine bis(phenolate) ligands.	<i>Ind. J. Chem.</i>	46A	105731 12	2007	0.729
66	S. Biswas, and M. Ali	Transition metal carbene chemistry7: Nucleophilic substitution reactions of imidazolide and benzimidazolide ions with Fischer carbene complexes in MeOH.	<i>J. Organo. met. Chem.</i>	692	2897	2007	2.336
65	D. Maity, W.S. Sheldrick, F. H. Mayer, and M. Ali	Synthesis, crystal structures and catalytic oxidation of aromatic hydrocarbons by oxovanadium(V) complexes of aminebis(phenolate) ligands.	<i>J. Mol. Cata. A: Chemical</i>	270	153	2007	3.958
64	A. Ray , C. S. Hong, S. Mondal , M. Mukherjee, and M. Ali	Reversible water inclusion in a porous magnetic material synthesized from copper(II) incorporated metal-organic framework showing alternate ferro- and antiferromagnetic interactions.	<i>Inorg. Chem. Comm.</i>	10	527	2007	1.762
63	A.Ray , D. Dutta, P. C. Mandal , W.S. Sheldrick, H. F. Mayer and M. Ali	Synthesis, crystal structure, electrochemical and kinetic studies on a cyano-bridged Cu <sup>II</sup> -Ni <sup>II</sup> -Cu <sup>II</sup> hetero-trinuclear complex.	<i>Polyhedron</i>	26	1012	2007	2.108
62	Md. Mijanuddin, A. Ray, P.C. Mondal, J. Marek, and M. Ali	Copper(II) complexes of tridentate selenobisphenolate ligand in mixed ligand environments: Synthesis, crystal structure, EPR and electrochemical studies.	<i>J. Mol. Struct.</i>	17	826	2007	1.780
61	S. Biswas, M. Ali, Z. Rappoport, and H. Salim	Reactions of $\alpha$ -isobutyl- $\alpha$ -(methylthio)methylene Meldrum's acid with primary amines in aqueous DMSO.	<i>Can. J. Chem.</i>	84	1678	2006	1.061
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58	D. Maity, A. Ray,	Synthesis and crystal structure of a	<i>Inorg. Chim.</i>	359	3197	2006	2.046

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		(SCH 3) CH 3 (M= Cr and W) with primary amines in aqueous acetonitrile					
49	A. Ray, D. Maiti, W. S Sheldrick, H. Mayer-Figge, S. Mondal, M. Mukherjee, S. Gao, M. Ali	Synthesis and characterization of two novel isostructural polymeric 1D mono-halo-bridged octahedral copper (II) chains with a diaza-diamine ligand	<b>Inorg. Chim. Acta.</b>	358	3471	2005	2.046
48	C.F. Bernasconi, M. Ali, K. Nguyen, V. Ruddat, and Z. Rappoport H. Yamataka, and H. Salim	Reactions of substituted (methylthio)benzylidene Meldrum's acids with secondary alicyclic amines in aqueous DMSO. Evidence for rate-limiting proton transfer.	<b>J. Org.Chem.</b>	23	9248	2004	4.785
47	C.F. Bernasconi, and M. Ali	Physical organic chemistry of transition metal complexes. 31.† nucleophilic attachment of the malononitrile anion to fischer carbene complexes.	<b>Organometallics</b>	23	6134	2004	4.186
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45	M. Ali, A.I. Shames, S. Gangopadhyay, B. Saha, and D. Meyerstein	Silver(II) complexes of tetraazamacrocycles: Studies on e.p.r. and electron transfer kinetics with thiosulfate ion,	<b>Transition Met. Chem.</b>	28	463	2004	1.465
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41	M. Ali	Kinetic studies on the bromate ion	<b>Transition</b>	42	345	2003	1.465

		oxidation of 12-tungstocobaltate(11) in aqueous acid.	<b>Met. Chem.,</b>				
40	A. Panja, N. Shaikh, M. Ali, P. Vojtišek, and P. Banerjee	Structural characterization of a new manganese(III)-salen complex [H <sub>2</sub> salen = N,N'-bis(salicylidene)ethane-1,2-diamine] and study of its electron transfer kinetics with hydroquinone and catechol,	<b>Polyhedron</b>	28	1191	2003	2.108
39	M. Ali, A. Dutta, and S. Gangopadhyay	Kinetics of oxidation of iodide ion by trans-(cyclohexane-1,2-diamine N,N,N',N'-tetraacetato)manganate(III) in weakly acidic solution	<b>Ind. J. Chem.</b>	27A	531	2003	0.729
38	M. Ali	Transition metal carbene chemistry. Kinetic studies on the reactions of [methyl(thiomethoxy)carbene]pentacarbonylchromium(0) with morpholine in aqueous acetonitrile - A kinetic evaluation of pK <sub>a</sub> <sup>CH</sup>	<b>New J. Chem,</b>		349	2003	3.277
37	C. F. Bernasconi, M. Ali, and J.C. Gunter	Kinetic and thermodynamic acidities of substituted 1-benzyl-1-methoxy-2-nitroethylenes. Strong reduction of the transition state imbalance compared to other nitroalkanes	<b>J. Am. Chem. Soc.</b>	125	151	2003	13.038
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35	M. Ali, and B. Saha	Kinetic studies on the electron transfer between sulphur(IV) and an iron(III) oxime-imine complex.	<b>Transition Met. Chem.</b>	27	874	2002	1.465
34	B. Saha, M. Ali, S. Gangopadhyay, N. Shaikh, and P. Banerjee	Electron Transfer Reactions Between Peroxodisulfate-and Iron(II) and Nickel(II)-oxime-imine Complexes--a Kinetic Study.	<b>Inorg. React. Mechanisms</b>	3	173	2002	0.385
33	S. Gangopadhyay, M. Ali, and P. Banerjee	Kinetics of the interaction of imidazole, benzimidazole and pyrazole with trans-[Pd(PN) <sub>2</sub> Cl <sub>2</sub> ] (PN = pyridoxine) in dimethyl sulfoxide	<b>Transition Met.Chem.,</b>	27	625	2002	1.465
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24	S. Bhattacharya, M. Ali, S. Gangopadhyay, and P. Banerjee	Electron transfer from thiosulfate to nickel(IV) oxime imine complexes in aqueous solution,	<b>Dalton Trans.</b>	13	2645	1996	4.177
23	M Ali, S Gangopadhyay, A Dutta, P Banerjee	Kinetics of electron transfer between bis (2, 2-bipyridine) manganese (III) complex and thioureas in aqueous perchlorate media.	<b>Ind. J. Chem.</b>	34	43	1995	0.729

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21	B. Saha, S. Gangopadhyay, M. Ali, and P. Banerjee	Kinetic studies on the reduction of nickel(IV) and nickel(III) oxime-imine complexes by ascorbic acid	<i>Dalton Trans.</i>		1083	1995	4.177
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17	M. Das-Sharma, M. Ali, S Gangopadhyay, S. K. Saha, P. Barerjee	Studies of Electron Transfer from Octacyanomolybdate(IV) and Octacyanotungstate(IV) to Dodecatungstocobaltate(III)	<i>Ind. J. Chem.</i>	33A	243	1994	0.729
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4	M Ali, SK Saha, P Banerjee	Oxidation of sulfite and thiosulfate by the cobalt (III) complex of dipicolinate in aqueous medium	<i>Bull. Chem. Soc. Jp.</i>	64	2497	1991	2.21
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		ethylenediaminetetraacetate. A comparative study of the reactivity of different amine-N-carboxylates,					
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