

# Ashutosh Ghosh

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

278  
papers

7,553  
citations

47  
h-index

66  
g-index

283  
ext. papers

8,245  
ext. citations

3.3  
avg, IF

6.25  
L-index

#	Paper	IF	Citations
278	Quasi-isotropic SMMs: slow relaxation of the magnetization in polynuclear Cu/Mn complexes.. <i>Dalton Transactions</i> , <b>2022</b> ,	4.3	1
277	A New Compound for Sequential Sensing of Picric Acid and Aliphatic Amines: Physicochemical Details and Construction of Molecular Logic Gates. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 1157-1164	4.5	1
276	Estimation of the reducing power and electrochemical behavior of few flavonoids and polyhydroxybenzophenones substantiated by bond dissociation energy: a comparative analysis. <i>Molecular Diversity</i> , <b>2021</b> , 1	3.1	2
275	Tri- and pentanuclear CuII/II complexes of N2O2 donor ligands with the variation of carboxylate coligands: Structural elucidation and theoretical study. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 521, 120351	2.7	1
274	Family of Isomeric Cu-Ln (Ln = Gd, Tb, and Dy) Complexes Presenting Field-Induced Slow Relaxation of Magnetization Only for the Members Containing Gd. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 438-448	5.1	13
273	Synthesis of Ni(ii)-Mn(ii) complexes using a new mononuclear Ni(ii) complex of an unsymmetrical NO donor ligand: structures, magnetic properties and catalytic oxidase activity. <i>Dalton Transactions</i> , <b>2021</b> , 50, 4686-4699	4.3	11
272	Variations of structures on changing the ratios of metal ions in rare Ca(II)Zn(II) hetero-metallic self-assembled coordination polymers of hexamethylenetetramine and benzoate. <i>Journal of the Indian Chemical Society</i> , <b>2021</b> , 98, 100097		0
271	Faster Resonance Energy Transfer from Carbon Nanoparticles to a DNA-Bound Compound: A Method to Detect the Nature of Binding. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 10126-10137	3.4	0
270	Exchange-Bias Quantum Tunneling of the Magnetization in a Dysprosium Dimer. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 8230-8237	2.8	0
269	Change in molecular shapes of the trinuclear CuII2ZnII complexes on Schiff base reduction: structural and theoretical investigations. <i>CrystEngComm</i> , <b>2021</b> , 23, 4848-4856	3.3	2
268	SMM behaviour of heterometallic dinuclear CuII LnIII (Ln = Tb and Dy) complexes derived from N2O3 donor unsymmetrical ligands. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 6197-6205	3.6	18
267	In situ transformation of a tridentate to a tetradentate unsymmetric Schiff base ligand via deaminative coupling in Ni(II) complexes: crystal structures, magnetic properties and catecholase activity study. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 247-259	6.8	22
266	Facile synthesis of a new Cu(ii) complex with an unsymmetrical ligand and its use as an O donor metalloligand in the synthesis of Cu(ii)-Mn(ii) complexes: structures, magnetic properties, and catalytic oxidase activities. <i>Dalton Transactions</i> , <b>2020</b> , 49, 1276-1291	4.3	20
265	The Effect of Guest Metal Ions on the Reduction Potentials of Uranium(VI) Complexes: Experimental and Theoretical Investigations. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 1612-1623	4.8	12
264	Reaction of Cu(II) Chelates with Uranyl Nitrate to Form a Coordination Complex or H-Bonded Adduct: Experimental Observations and Rationalization by Theoretical Calculations. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 15848-15861	5.1	9
263	Recurrent (arene)2chelate ring motifs in four trinuclear CuII2MII (M = Cd/Zn) complexes derived from an unsymmetrical N2O2 donor ligand: structural and theoretical investigations. <i>CrystEngComm</i> , <b>2020</b> , 22, 7673-7683	3.3	4
262	Hexanuclear NiII4LnIII2 Complexes with SMM Behavior at Zero Field for Ln = Tb, Dy, Ho. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 7300-7311	3.5	8

261	Joining of Trinuclear Heterometallic Cu-M (M = Mn, Cd) Nodes by Nicotinate to Form 1D Chains: Magnetic Properties and Catalytic Activities. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14989-15003	5.1	15
260	Roles of basicity and steric crowding of anionic coligands in catechol oxidase-like activity of Cu(ii)-Mn(ii) complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 11268-11281	4.3	10
259	Tetra- and poly-nuclear Cd(II) complexes of an N3O4 Schiff base ligand: crystal structures, electrical conductivity and photoswitching properties. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 14733-14743	3.6	2
258	Modulation of Nuclearity in Cu -Mn Complexes of a N O Donor Ligand Depending upon Carboxylate Anions: Structures, Magnetic Properties and Catalytic Oxidase Activities. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 4055-4069	4.5	14
257	Application of two Cu(II)-azido based 1D coordination polymers in optoelectronic device: Structural characterization and experimental studies. <i>Polymer</i> , <b>2020</b> , 204, 122815	3.9	6
256	The role of 3d-4f exchange interaction in SMM behaviour and magnetic refrigeration of carbonato bridged CuLn (Ln = Dy, Tb and Gd) complexes of an unsymmetrical NO donor ligand. <i>Dalton Transactions</i> , <b>2019</b> , 48, 15170-15183	4.3	29
255	Elucidating the secondary effect in the Lewis acid mediated anodic shift of electrochemical oxidation of a Cu(ii) complex with a NO donor unsymmetrical ligand. <i>Dalton Transactions</i> , <b>2019</b> , 48, 14898-14913 <sup>12</sup>	4.3	12
254	Formation of a carbonato bridged Ni4-complex by atmospheric CO2 fixation: Crystal structure and magnetic properties. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 498, 119175	2.7	4
253	A series of CuII $\square$ LnIII complexes of an N2O3 donor asymmetric ligand and a possible CuII $\square$ bIII SMM candidate in no bias field. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 634-643	3.6	19
252	The catalytic activities and magnetic behaviours of rare Echlorido and Eazido bridged defective dicubane tetranuclear Mn(ii) complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 9342-9356	4.3	13
251	Inclusion of Ln(III) in the Complexes of Co(II) with a Mannich Base Ligand: Development of Atmospheric CO Fixation and Enhancement of Catalytic Oxidase Activities. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5787-5798	5.1	25
250	Tri-nuclear copper-cadmium complexes of a N2O2-donor ligand with the variation of counter anions: Structural elucidation and theoretical study on inter-molecular interactions. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 492, 142-149	2.7	6
249	Two Geometrical Isomers of a 1D Coordination Polymer: Rationalization by Theoretical Calculations and Variation of Electrical Properties with the Change in Binding Mode of Dicarboxylate Linker. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 5819-5828	3.5	13
248	Variation of nuclearity in NiIII complexes of a Schiff base ligand: crystal structures and magnetic studies. <i>CrystEngComm</i> , <b>2019</b> , 21, 4620-4631	3.3	12
247	Chloranilate bridged dinuclear copper(II) complexes: syn $\square$ anti geometry tuned by the steric factor and supramolecular interactions. <i>CrystEngComm</i> , <b>2019</b> , 21, 6886-6893	3.3	8
246	Synthesis, structure and phenoxazinone synthase-like activity of three unprecedented alternating Coll $\square$ oIII 1D chains. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 18780-18793	3.6	9
245	Controlled Formation of Hydrated Micelles by the Intervention of Cyclodextrins. <i>ChemPlusChem</i> , <b>2019</b> , 84, 130-135	2.8	2
244	Syntheses of four new asymmetric Schiff bases and their Cu(II) complexes: Theoretical calculations to rationalize the packing of molecules in the crystals. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 477, 89-101	2.7	12

243	Modulation of Nuclearity by Zn(II) and Cd(II) in Their Complexes with a Polytopic Mannich Base Ligand: A Turn-On Luminescence Sensor for Zn(II) and Detection of Nitroaromatic Explosives by Zn(II) Complexes. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 2335-2348	3.5	39
242	The first alternating MnII/MnIII 1D chain: structure, magnetic properties and catalytic oxidase activities. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9517-9529	3.6	20
241	Role of steric crowding of ligands in the formation of hydroxido bridged di- and trinuclear copper(II) complexes: Structures and magnetic properties. <i>Polyhedron</i> , <b>2018</b> , 145, 43-52	2.7	6
240	Control of nuclearity in heterometallic Cu-Mn complexes derived from asymmetric Schiff bases: structures and magnetic properties. <i>Dalton Transactions</i> , <b>2018</b> , 47, 3568-3579	4.3	24
239	H-bond assisted coordination bond formation in the 1D chains based on azido and phenoxido bridged tetranuclear Cu(II) complexes with reduced Schiff base ligands. <i>Polyhedron</i> , <b>2018</b> , 142, 16-24	2.7	6
238	Ni(II) Complex of NO Donor Unsymmetrical Ligand and Its Use for the Synthesis of Ni-Mn Complexes of Diverse Nuclearity: Structures, Magnetic Properties, and Catalytic Oxidase Activities. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 8338-8353	5.1	25
237	Synthesis, structure and magnetic properties of three CuII LnIII complexes (Ln = Pr, Nd and Sm) with an unsymmetrical Schiff base ligand. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 482, 807-812	2.7	12
236	A Pyrene-Benzothiazole Probe that is Ultrasensitive to the Environment Polarity and Its Own Characteristics. <i>ChemistrySelect</i> , <b>2018</b> , 3, 8942-8946	1.8	5
235	Mixed azido/phenoxido bridged trinuclear Cu(ii) complexes of Mannich bases: Synthesis, structures, magnetic properties and catalytic oxidase activities. <i>Dalton Transactions</i> , <b>2018</b> , 47, 9385-9399	4.3	28
234	Structural variations in self-assembled coordination complexes of hexamethylenetetramine, zinc(II) and carboxylates (RCOO <sup>-</sup> R = C <sub>6</sub> H <sub>5</sub> /C <sub>6</sub> H <sub>4</sub> ): Encapsulation of the water hexamer in benzoate assembly. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 471, 691-697	2.7	3
233	Rare trinuclear NiII2MII complexes (MII = Mn, Fe and Co) with a reduced Schiff base ligand: Synthesis, structures and magnetic properties. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 471, 168-175	2.7	7
232	Rare azido and hydroxido bridged tetranuclear Co(II) complexes of a polynucleating Mannich base ligand with a defect dicubane core: structures, magnetism and phenoxazinone synthase like activity. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 19377-19389	3.6	11
231	Exploitation of the Flexidentate Nature of a Ligand To Synthesize Zn(II) Complexes of Diverse Nuclearity and Their Use in Solid-State Naked Eye Detection and Aqueous Phase Sensing of 2,4,6-Trinitrophenol. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 15216-15228	5.1	25
230	Ni(II) Dimers of NNO Donor Tridentate Reduced Schiff Base Ligands as Alkali Metal Ion Capturing Agents: Syntheses, Crystal Structures and Magnetic Properties. <i>Magnetochemistry</i> , <b>2018</b> , 4, 51	3.1	4
229	Surfactant and Cyclodextrin Induced Vesicle to Micelle to Vesicle Transformation in Aqueous Medium. <i>Langmuir</i> , <b>2018</b> , 34, 11503-11509	4	5
228	Joining of trinuclear (CuL)2M (M = MnII and CdII) nodes by 1,3- and 1,4-benzenedicarboxylate linkers: positional isomeric effect on co-crystallization. <i>CrystEngComm</i> , <b>2018</b> , 20, 6490-6501	3.3	13
227	Tri- and hexa-nuclear Ni-Mn complexes of a NO donor unsymmetrical ligand: synthesis, structures, magnetic properties and catalytic oxidase activities. <i>Dalton Transactions</i> , <b>2018</b> , 47, 13957-13971	4.3	21
226	Undulation induced tuning of electron acceptance by edge-oxidized graphene oxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 204, 425-431	4.4	0

225	Dependence of magnetic coupling on ligands at the axial positions of Ni in phenoxido bridged dimers: experimental observations and DFT studies. <i>Dalton Transactions</i> , <b>2017</b> , 46, 697-708	4.3	15
224	Mixed valence trinuclear cobalt (II/III) complexes: Synthesis, structural characterization and phenoxazinone synthase activity. <i>Polyhedron</i> , <b>2017</b> , 134, 99-106	2.7	41
223	Synthesis, crystal structure and magnetic properties of a dinuclear and a trinuclear Ni(II) complexes derived from tetradentate ONNO donor Mannich base ligands. <i>Polyhedron</i> , <b>2017</b> , 134, 295-301	2.7	18
222	Subtle Structural Changes in (CuL)Mn Complexes To Induce Heterometallic Cooperative Catalytic Oxidase Activities on Phenolic Substrates (HL = Salen Type Unsymmetrical Schiff Base). <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5105-5121	5.1	89
221	Surface Hovering of Probe on Cyclodextrin Nanoparticle that is Otherwise Sequestered in Isolated Cyclodextrin Cavity. <i>ChemistrySelect</i> , <b>2017</b> , 2, 9679-9683	1.8	2
220	Rare examples of diphenoxido-bridged trinuclear NiII2FeIII complexes with a reduced salen type Schiff base ligand: Structures and magnetic properties. <i>Polyhedron</i> , <b>2017</b> , 138, 145-153	2.7	8
219	Structural variations in (CuL)Ln complexes of a series of lanthanide ions with a salen-type unsymmetrical Schiff base(HL): Dy and Tb derivatives as potential single-molecule magnets. <i>Dalton Transactions</i> , <b>2017</b> , 46, 12095-12105	4.3	30
218	Variations of Structures and Phenoxazinone Synthase-like Activity of the Complexes Based on (CuI)2MnII Node and Dicyanamide Spacer. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 6809-6820	3.5	35
217	Facile synthesis of nickel oxide thin films from PVP encapsulated nickel sulfide thin films: an efficient material for electrochemical sensing of glucose, hydrogen peroxide and photodegradation of dye. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 14985-14994	3.6	14
216	Formation of a dinuclear and a trinuclear Ni(II) complex on slight variation of experimental conditions: Structural analysis and magnetic properties. <i>Polyhedron</i> , <b>2017</b> , 121, 80-87	2.7	6
215	Deactivation of catecholase-like activity of a dinuclear Ni(II) complex by incorporation of an additional Ni(II). <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 424, 54-64		14
214	Syntheses, Crystal Structure and Magnetic Properties of an Unprecedented One-Dimensional Coordination Polymer Derived from an {(NiL)2Ln} Node and a Pyrazine Spacer (H2L=N,N'-Bis(salicylidene)-1,3-propanediamine, Ln=Gd, Tb and Dy). <i>ChemistrySelect</i> , <b>2016</b> , 1, 2722-2729	1.8	8
213	The unusual intermediate species in the formation of Ni(II) complexes of unsymmetrical Schiff bases by Elder's method: Structural, electrochemical and magnetic characterizations. <i>Polyhedron</i> , <b>2016</b> , 117, 427-436	2.7	17
212	Exploring the coordinative adaptation and molecular shapes of trinuclear CuM(II) (M = Zn/Cd) complexes derived from salen type Schiff bases: structural and theoretical studies. <i>Dalton Transactions</i> , <b>2016</b> , 45, 5730-40	4.3	39
211	Coordination of metalloligand [NiL] (H2L = salen type N2O2 Schiff base ligand) to the f-block elements: Structural elucidation and spectrophotometric investigation. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 442, 64-69	2.7	17
210	Key Role of Size and Electronic Configuration on the Sign and Strength of the Magnetic Coupling in a Series of Cu2Ln Trimers (Ln = Ce, Gd, Tb, Dy and Er). <i>Magnetochemistry</i> , <b>2016</b> , 2, 2	3.1	16
209	Antiferro- to ferromagnetic crossover in diphenoxido bridged NiII2MnII complexes derived from N2O2 donor Schiff base ligands. <i>Polyhedron</i> , <b>2016</b> , 117, 57-63	2.7	11
208	Anion dependent supramolecular architectures in Cu(II) complexes containing N2O-donor Schiff-base and 4,4'-bipyridine ligands: Structural analyses and theoretical studies. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 448, 26-33	2.7	10

207	Unusual site selection of NCS in trinuclear complexes of Cu(II) and Ni(II) with a reduced N <sub>2</sub> O <sub>2</sub> donor Schiff base: Structural, theoretical and magnetic studies. <i>Polyhedron</i> , <b>2016</b> , 118, 70-80	2.7	19
206	Unprecedented structural variations in trinuclear mixed valence Co(II/III) complexes: theoretical studies, pnicogen bonding interactions and catecholase-like activities. <i>Dalton Transactions</i> , <b>2015</b> , 44, 3862-76	4.3	99
205	A dinuclear and a 1D zigzag chain of copper(II) complexes with N <sub>2</sub> O donor Schiff base ligand and pseudohalides (azide and dicyanamide): Studies on catecholase-like activity. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 430, 24-29	2.7	16
204	Antiferromagnetic Mixed-Valence Cu(I)Cu(II) Two-Dimensional Coordination Polymers Constructed by Double Oximate Bridged Cu(II) Dimers and CuISCN Based One-Dimensional Anionic Chains. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 3939-3949	3.5	31
203	A predesigned 1D chain of alternating di-μ <sub>2</sub> -1-azido bridged dinuclear Ni(II) and pyrazine: Synthesis, structure and magnetic properties. <i>Inorganic Chemistry Communication</i> , <b>2015</b> , 56, 108-111	3.1	13
202	Synthesis of mixed-valence hexanuclear Mn(II/III) clusters from its Mn(II) precursor: variations of catecholase-like activity and magnetic coupling. <i>Dalton Transactions</i> , <b>2015</b> , 44, 9795-804	4.3	26
201	Strong ferromagnetic exchange interactions in hinge-like Dy(O <sub>2</sub> Cu) <sub>2</sub> complexes involving double oxygen bridges. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9543-55	5.1	45
200	Structural and Magnetic Analysis of Retrosynthetically Designed Architectures Built from a Triply Bridged Heterometallic (CuL) <sub>2</sub> Co Node and Benzenedicarboxylates. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 3028-3037	2.3	12
199	Influence of the central metal ion in controlling the self-assembly and magnetic properties of 2D coordination polymers derived from [(NiL) <sub>2</sub> M](2+) nodes (M = Ni, Zn and Cd) (H <sub>2</sub> L = salen-type di-Schiff base) and dicyanamide spacers. <i>Dalton Transactions</i> , <b>2015</b> , 44, 1292-302	4.3	33
198	Tuning of exchange coupling by the Mn-O distance and phenoxido bridging angle: an experimental and theoretical study of the family of Mn(III) dimers with salen type ligands. <i>Dalton Transactions</i> , <b>2015</b> , 44, 12863-70	4.3	23
197	Playing with different metalloligands [NiL] and Hg to [NiL] ratios to tune the nuclearity of Ni(II)Hg(II) complexes: Formation of di-, tri-, hexa- and nona-nuclear NiHg clusters. <i>Polyhedron</i> , <b>2015</b> , 87, 311-320	2.7	15
196	An adaptable heterometallic trinuclear coordination cluster in the synthesis of tailored one-dimensional architecture: Structural characterization, magnetic analysis and theoretical calculations. <i>Polyhedron</i> , <b>2015</b> , 102, 366-374	2.7	13
195	Trinuclear complexes of [CuL] (H <sub>2</sub> L = N,N'-bis(salicylidene)-1,4-butanediamine) with HgX <sub>2</sub> (X = N <sub>3</sub> <sup>-</sup> and NCO <sup>-</sup> ) Facile crystallization with Z' = 1 and Z' = 0.5 for both complexes. <i>Polyhedron</i> , <b>2015</b> , 87, 403-410	2.7	14
194	Triple-bridged ferromagnetic nickel(II) complexes: a combined experimental and theoretical DFT study on stabilization and magnetic coupling. <i>Dalton Transactions</i> , <b>2014</b> , 43, 6455-67	4.3	26
193	Analyses of supramolecular interactions present in a coordination polymer of Mn(II) with 2-picolinate and 4,4'-Azobis(pyridine). <i>Inorganic Chemistry Communication</i> , <b>2014</b> , 41, 1-5	3.1	6
192	Structural and theoretical investigation on two dinuclear Fe(III) complexes of tridentate NNO-donor Schiff base ligands. <i>Polyhedron</i> , <b>2014</b> , 73, 139-145	2.7	11
191	Thermally induced single crystal to single crystal transformation leading to polymorphism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 130, 526-33	4.4	2
190	Isolation of two different Ni <sub>2</sub> Zn complexes with an unprecedented cocrystal formed by one of them and a "coordination positional isomer" of the other. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 434-45	5.1	36

189	Discrete 0D and polymeric 2D and 3D derivatives assembled from [(CuL)2Zn]2+ and dicyanamide blocks (H2L = salen type Schiff bases): Genuine supramolecular isomers with distinct topologies. <i>CrystEngComm</i> , <b>2014</b> , 16, 3029	3.3	34
188	pH dependent facile synthesis of di- and trinuclear oxime based Cu(II) complexes: antiferromagnetic coupling in the dinuclear cores and spin frustration in the triangular core. <i>Dalton Transactions</i> , <b>2014</b> , 43, 7589-98	4.3	19
187	Ferro- to antiferromagnetic crossover angle in diphenoxido- and carboxylato-bridged trinuclear Ni(II)Mn(II) complexes: experimental observations and theoretical rationalization. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9296-305	5.1	33
186	The influence of H-bonding on the 'ambidentate' coordination behaviour of the thiocyanate ion to Cd(II): a combined experimental and theoretical study. <i>Dalton Transactions</i> , <b>2014</b> , 43, 8007-15	4.3	53
185	Supramolecular 2D/3D isomerism in a compound containing heterometallic Cu(II)2Co(II) nodes and dicyanamide bridges. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2441-9	5.1	35
184	The Impact of Anion-Modulated Structural Variations on the Magnetic Coupling in Trinuclear Heterometallic Cu(II)2Co(II) Complexes Derived from a Salen-Type Schiff Base Ligand. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 3341-3349	2.3	23
183	Synthesis, crystal structure and magnetic properties of two alternating double $\mu_1,1$ and $\mu_1,3$ azido bridged Cu(ii) and Ni(ii) chains. <i>Dalton Transactions</i> , <b>2014</b> , 43, 12414-21	4.3	25
182	Nickel(II) complexes self-assembled from hexamethylenetetramine and isomeric nitrobenzoates: Structural diversity and supramolecular features. <i>Polyhedron</i> , <b>2014</b> , 79, 66-71	2.7	22
181	Linker Stoichiometry-Controlled Stepwise Supramolecular Growth of a Flexible Cu2Tb Single Molecule Magnet from Monomer to Dimer to One-Dimensional Chain. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 2588-2598	3.5	58
180	Synthesis, structure and catalase activity of three new manganese(III) complexes with a N,N,O donor Schiff-base ligand. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 405, 349-355	2.7	19
179	Solvent-templated supramolecular isomerism in 2D coordination polymer constructed by Ni(II)2Co(II) nodes and dicyanamido spacers: drastic change in magnetic behaviours. <i>Dalton Transactions</i> , <b>2013</b> , 42, 13554-64	4.3	48
178	Di-, tri-, and tetranuclear nickel(II) complexes with oximato bridges: magnetism and catecholase-like activity of two tetranuclear complexes possessing rhombic topology. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 11744-57	5.1	67
177	Structural variations in self-assembled coordination polymers constructed by some carboxylate bridged di-copper(II) nodes and hexamethylenetetramine spacers. <i>Polyhedron</i> , <b>2013</b> , 65, 193-199	2.7	9
176	Synthesis, crystal structure, magnetic property and DFT calculations of an unusual dinuclear $\mu_2$ -alkoxido bridged iron(III) complex. <i>Dalton Transactions</i> , <b>2013</b> , 42, 12274-83	4.3	22
175	Use of Cu(II)-di-Schiff bases as metalloligands in the formation of complexes with Cu(II), Ni(II) and Zn(II) perchlorate. <i>Polyhedron</i> , <b>2013</b> , 65, 322-331	2.7	16
174	Structural diversity in the complexes based on a hetero-trimetallic Cu2Cd node and dicyanamide spacer: a hexanuclear cluster, a 1D stair polymer and a 1D zigzag chain as supramolecular isomers, and a 3D network. <i>CrystEngComm</i> , <b>2013</b> , 15, 9444	3.3	44
173	Structural variations in the complexes of cadmium(II), hexamethylenetetramine, and 2-, 3- and 4-nitrobenzoates. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 402, 12-19	2.7	9
172	Hetero-metallic trinuclear nickel(II)cadmium(II) complexes of a salicylaldehyde ligand with thiocyanate, cyanate and azide ions: Isolation of a pair of polymorphs with thiocyanate ion. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 394, 247-254	2.7	29

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170	Synthesis and characterization of four novel manganese(II) chains formed by 4,4'-azobis(pyridine) and benzoate or nitrobenzoates: Stabilization of unusual ladder structures. <i>Polyhedron</i> , <b>2013</b> , 50, 229-239	2.7	11
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168	Analysis of the contribution of the acidity of the s-tetrazine ring in the crystal packing of coordination polymers. <i>CrystEngComm</i> , <b>2013</b> , 15, 3031	3.3	29
167	A new family of trinuclear nickel(II) complexes as single-molecule magnets. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 3943-53	4.8	41
166	A polynuclear helical and two dinuclear copper(II) complexes of a monocondensed N,N,O donor Schiff base with pseudohalides as co-ligand. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 395, 24-32	2.7	39
165	Synthesis, structure and alkene epoxidation activity of an alternating phenoxido and formate bridged manganese(III) salen complex. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 395, 67-71	2.7	11
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162	Three nickel(II) complexes derived from a tridentate NNO donor Schiff base ligand: Syntheses, crystal structures and magnetic properties. <i>Polyhedron</i> , <b>2013</b> , 56, 172-179	2.7	16
161	Solvomorphism and catecholase activities of bis(phenoxido)dicopper(II) complexes. <i>Polyhedron</i> , <b>2013</b> , 61, 253-261	2.7	22
160	Use of metalloligands [CuL] (H2L = salen type di-Schiff bases) in the formation of heterobimetallic copper(II)-uranyl complexes: photophysical investigations, structural variations, and theoretical calculations. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 7508-23	5.1	71
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158	A mixed-valence Mn6 cluster exhibiting self-assembled vesicular structure and catecholase-like activity in solution state. <i>RSC Advances</i> , <b>2013</b> , 3, 3717	3.7	9
157	An unusual axial-axial combination of alternating cyclic rings in the chair conformations of hexameric water and chlorine-water clusters. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 20, 286-289	3.1	3
156	A novel 1D chain of azido bridged copper(II) with a salen-type di-Schiff base ligand. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1019, 32-36	3.4	25
155	Complexes of NiX2 (X = Cl and NO3) with a NNO donor Schiff base: Anion dependent structural variations and spectroscopic behaviour. <i>Polyhedron</i> , <b>2012</b> , 34, 67-73	2.7	15
154	Structural variations in polynuclear copper(II) complexes based on salicylaldimine type ligands along with dicyanamido co-ligand. <i>Polyhedron</i> , <b>2012</b> , 39, 31-37	2.7	21

153	Differences in nuclearity, molecular shapes, and coordination modes of azide in the complexes of Cd(II) and Hg(II) with a "metalloligand" [CuL] (H <sub>2</sub> L = N,N'-bis(salicylidene)-1,3-propanediamine): characterization in solid and in solutions, and theoretical calculations. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 12407-18	5.1	47
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150	A ferromagnetic methoxido-bridged Mn(III) dimer and a spin-canted metamagnetic (1,3)-azido-bridged chain. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 5332-41	5.1	56
149	Host-guest supramolecular interactions in the coordination compounds of 4,4'-azobis(pyridine) with MnX <sub>2</sub> (X = NCS <sup>-</sup> and PF <sub>6</sub> <sup>-</sup> ): structural analyses and theoretical study. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 1837-51	5.1	31
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146	Functional model for catecholase-like activity: A mechanistic approach with manganese(III) complexes of salen type Schiff base ligands. <i>Journal of Molecular Catalysis A</i> , <b>2012</b> , 365, 154-161		48
145	Synthesis of the first heterometallic star-shaped oxido-bridged MnCu <sub>3</sub> complex and its conversion into trinuclear species modulated by pseudohalides (N <sub>3</sub> <sup>-</sup> , NCS <sup>-</sup> and NCO <sup>-</sup> ): structural analyses and magnetic properties. <i>Dalton Transactions</i> , <b>2012</b> , 41, 462-73	4.3	79
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110	Nickel(II) and copper(II) complexes of unsymmetrical tetradentate reduced Schiff base ligands. <i>Polyhedron</i> , <b>2010</b> , 29, 1029-1034	2.7	43
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61	Dinuclear Complexes of MII Thiocyanate (M = Ni and Cu) Containing a Tridentate Schiff-Base Ligand: Synthesis, Structural Diversity and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 2376-2383	2.3	99
60	Trinuclear CuII Complexes Containing Peripheral Ketonic Oxygen Bridges and a B-OH Core: Syntheses, Crystal Structures, Spectroscopic and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 4562-4571	2.3	13
59	Synthesis and crystal structure of bis(benzimidazolium) tetrahalocobaltate(II). <i>Journal of Chemical Crystallography</i> , <b>2004</b> , 34, 325-331	0.5	6
58	Synthesis and crystal structure of bis(2-methylbenzimidazolium) tetrahalocuprate(II). <i>Journal of Chemical Crystallography</i> , <b>2004</b> , 34, 393-400	0.5	14
57	Magnetic behavior of some 1D Cu chains. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1095-1096	2.8	3
56	Nickel(II) Complexes Incorporating Pyridyl, Imine and Amino Chelate Ligands: Synthesis, Structure, Isomer Preference, Structural Transformation and Reactivity Towards Nickel(III) Derivatives. <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 2533-2541	2.3	29
55	Supramolecular Hydrogen-Bond Structures and Magnetic Interactions in Basal-Apical, Dinuclear, Azide-Bridged Copper(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 3110-3117	2.3	86
54	A new tetrameric CuII cluster with square topology exhibiting ferro- and antiferromagnetic magnetic pathways : which is which?. <i>Chemical Communications</i> , <b>2004</b> , 1102-3	5.8	36
53	Different supramolecular hydrogen bond structures and significant changes in magnetic properties in dinuclear $\mu$ -2-1,1-N3 copper(II) complexes with very similar tridentate Schiff base blocking ligands. <i>Dalton Transactions</i> , <b>2004</b> , 252-9	4.3	128
52	Syntheses, characterization and x-ray crystal structures of copper(II) and nickel(II) complexes of tridentate monocondensed diamines. <i>Journal of Coordination Chemistry</i> , <b>2003</b> , 56, 1141-1148	1.6	10
51	Thermally induced oxidative trimerization of benzimidazole by copper(II) chloride in the solid state. <i>Open Chemistry</i> , <b>2003</b> , 1, 427-440	1.6	1
50	Synthesis, Crystal Structure, Thermal Analysis and Magnetic Behavior of a Novel One-Dimensional Polymeric Pyridinium Chlorocuprate(II): (Hpy) <sub>2</sub> [Cu <sub>3</sub> Cl <sub>8</sub> (H <sub>2</sub> O) <sub>2</sub> ]. <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 4253-4259	2.3	14
49	Synthesis, characterisation and X-ray crystal structure of copper(II) complexes with unsymmetrical tetradentate Schiff base ligands: first evidence of Cu(II) catalysed rearrangement of unsymmetrical to symmetrical complex. <i>Polyhedron</i> , <b>2003</b> , 22, 617-624	2.7	85
48	Construction of coordination polymers of cadmium(II) with mixed hexamethylenetetramine and terephthalate or thiocyanate ligands. <i>Polyhedron</i> , <b>2003</b> , 22, 2933-2941	2.7	47
47	A diphenoxo bridged antiferromagnetically coupled dimer of copper(II) having bridging methanol. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 961-965	3.1	43
46	First report on thermally induced nitro $\rightarrow$ nitrito(O,O) linkage isomerization in diamine complexes of nickel(II) in the solid state: X-ray single crystal structural analyses of nitro and nitrito isomers. <i>New Journal of Chemistry</i> , <b>2001</b> , 25, 764-768	3.6	23

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44	Synthesis and characterization of cis and trans isomers of [NiL <sub>2</sub> (NCS) <sub>2</sub> ] [L=1-(2-aminoethyl)pyrrolidine]: X-ray single-crystal structures. <i>Polyhedron</i> , <b>2000</b> , 19, 1803-1807	2.7	8
43	Syntheses and crystal structures of two isomers of CuL <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> · 2H <sub>2</sub> O (L=N1-isopropyl-2-methyl-1,2-propanediamine) and their thermochromism in the solid state. <i>Polyhedron</i> , <b>1998</b> , 17, 3263-3268	2.7	7
42	First structural characterisation of nitrotrito linkage isomers of nickel(II): synthesis and single crystal structures of [NiL <sub>2</sub> (NO <sub>2</sub> ) <sub>2</sub> ] and [NiL <sub>2</sub> (ONO) <sub>2</sub> ] [L = 1-(2-aminoethyl)piperidine]. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 3987-3990		16
41	Preparation, Characterization, and Solid State Thermal Studies of Nickel(II) Squarate Complexes of 1,2-Ethanediamine and Its Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , <b>1997</b> , 70, 789-797	5.1	12
40	Synthesis, IR and electronic spectroscopic and X-ray single crystal structural analysis of cis-[Ni(ipren) <sub>2</sub> (NO <sub>3</sub> )](NO <sub>3</sub> ) (ipren = N-isopropylethane-1,2-diamine). <i>Polyhedron</i> , <b>1997</b> , 16, 2361-2364	2.7	4
39	Syntheses of [Ni <sub>2</sub> (dien) <sub>2</sub> (NCS) <sub>4</sub> (H <sub>2</sub> O)] and [Ni(aepn)(NCS) <sub>2</sub> ] <sub>n</sub> ((dien = bis(2-aminoethyl)amine and aepn = N-(2-aminoethyl)-1,3-propanediamine): single crystal structure analysis and thermal behaviour in the solid state. <i>Polyhedron</i> , <b>1997</b> , 16, 39-45	2.7	17
38	Thermal studies of N-propylethane-1,2-diamine and N-isopropylethane-1,2-diamine complexes of nickel(II) in the solid state. <i>Thermochimica Acta</i> , <b>1996</b> , 287, 155-163	2.9	21
37	Thermal studies of N,N'-diethylethane-1,2-diamine complexes of nickel(II) in the solid state. <i>Thermochimica Acta</i> , <b>1996</b> , 273, 185-193	2.9	4
36	Thermal studies of 2-aminoethanol complexes of nickel (II) in the solid state. <i>Thermochimica Acta</i> , <b>1996</b> , 285, 99-107	2.9	9
35	Thermal studies N-(2-aminoethyl)-1,3-propanediamine and N-(3-aminopropyl)-1,3-propanediamine complexes of cadmium(II). <i>Thermochimica Acta</i> , <b>1996</b> , 287, 165-175	2.9	2
34	Synthesis, chemical characterization, structural data and solid state behaviour of N, N'-diethyl-1, 2-ethanediamine complexes of nickel(II) thiocyanate. <i>Polyhedron</i> , <b>1996</b> , 15, 1643-1650	2.7	20
33	Solid-state trans -> cis thermochromic isomerism in the n-propylethane-1,2-diamine complex of nickel(II) nitrate. <i>Polyhedron</i> , <b>1996</b> , 15, 3919-3922	2.7	19
32	Synthesis, characterisation and solid state thermochromism in N1-isopropyl-2-methyl-1,2-propanediamine complexes of copper(II) nitrate. <i>Journal of Chemical Sciences</i> , <b>1996</b> , 108, 283-283	1.8	
31	Preparation, characterisation and thermal behaviour of N-(3-aminopropyl)-1,3-propanediamine complexes of nickel(II) in the solid state. <i>Thermochimica Acta</i> , <b>1995</b> , 249, 199-210	2.9	7
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29	Thermochromism in nickel(II) complexes: thermal, IR spectroscopic, solid-state <sup>1</sup> H NMR and single crystal X-ray analysis of diaqua-bis(2,2-dimethyl-1,3-propanediamine) nickel(II) nitrate. <i>Journal of Molecular Structure</i> , <b>1995</b> , 345, 265-272	3.4	9
28	Thermal studies of N1-isopropyl-2-methyl-1,2-propanediamine complexes of nickel(II)X <sub>2</sub> [X = I, CF <sub>3</sub> CO <sub>2</sub> , 0.5SO <sub>2</sub> and 0.5SeO <sub>2</sub> ] in the solid state. <i>Thermochimica Acta</i> , <b>1995</b> , 268, 153-160	2.9	5

27	Thermal studies of N1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase. <i>Thermochimica Acta</i> , <b>1994</b> , 242, 195-205	2.9	6
26	Isomerism in bis(diethylenetriamine)nickel(II) thiocyanate: synthesis, solid-state interconversion and X-ray crystallographic study of sym-fac and mer isomers. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1994</b> , 2367		26
25	Preparation, Characterization, and Solid State Thermal Studies of Nickel(II) Iodide Complexes of Ethane-1,2-diamine and Its Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , <b>1994</b> , 67, 3254-3259	5.1	9
24	One-dimensional spin dynamics in a halogen-bridged mixed-valence palladium (II), (IV) complex studied by <sup>1</sup> H NMR. <i>Chemical Physics Letters</i> , <b>1993</b> , 210, 78-83	2.5	12
23	Thermochromism in copper(II) complexes: thermal, spectroscopic, solid-state broadband <sup>1</sup> H NMR and room-temperature single-crystal x-ray analysis of bis(N,N'-dimethyl-1,2-ethanediamine)copper(II) dinitrate. <i>Polyhedron</i> , <b>1993</b> , 12, 1311-1317	2.7	14
22	<sup>1</sup> H-NMR studies on thermochromism Ni(II) complexes with N,N-diethylethylenediamine. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1992</b> , 96, 919-922		5
21	Thermally induced isomeric transformations of bis-(diamine) complexes of nickel(II) nitrate in the solid phase. <i>Transition Metal Chemistry</i> , <b>1991</b> , 16, 397-399	2.1	2
20	Thermal Reactions of N,N-Dimethyl-1,2-ethanediamine Complexes of Nickel(II) in the Solid State. <i>Bulletin of the Chemical Society of Japan</i> , <b>1990</b> , 63, 2387-2392	5.1	21
19	Solid state thermal isomerisation of diethylenetriamine complexes of NiX <sub>2</sub> (X=NO <sub>3</sub> , ClO <sub>4</sub> , BF <sub>4</sub> and CF <sub>3</sub> SO <sub>3</sub> ). <i>Transition Metal Chemistry</i> , <b>1990</b> , 15, 394-398	2.1	6
18	Thermally induced isomerization and decomposition of diethylenetriamine complexes of zinc(II) and cadmium(II) in the solid state. <i>Thermochimica Acta</i> , <b>1990</b> , 159, 55-66	2.9	5
17	Synthesis of cis and trans isomers of N,N'-dimethyl-1,2-ethanediamine complexes of nickel(II) nitrate and solid-phase thermal cis-to-trans isomeric transformation. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1990</b> , 1563-1567		22
16	Synthesis of conformational isomers, thermally induced isomerism, and crystal structure of cis-di-isothiocyanatobis(N-methylpropane-1,3-diamine)nickel(II). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1990</b> , 2347		12
15	Solid state thermal studies of nickel(II) diamine complexes. <i>Thermochimica Acta</i> , <b>1989</b> , 155, 297-307	2.9	5
14	Thermal studies of 2-methyl-1, 2-propanediamine complexes of nickel(II) in the solid state. <i>Transition Metal Chemistry</i> , <b>1989</b> , 14, 443-445	2.1	7
13	Thermally induced isomerisation and decomposition of diethylenetriamine complexes of nickel(II) in the solid state. <i>Transition Metal Chemistry</i> , <b>1988</b> , 13, 291-296	2.1	9
12	Thermally induced isomerization and decomposition of N-methyl-1,3-propanediamine complexes of nickel(II) in the solid state. <i>Thermochimica Acta</i> , <b>1988</b> , 124, 297-310	2.9	10
11	Thermal phase transition and decomposition of N-methyl-1,2-ethanediamine complexes of nickel(II) in the solid state. <i>Thermochimica Acta</i> , <b>1988</b> , 136, 191-201	2.9	11
10	Thermally-induced phase transition of zinc(II) diamine complexes in the solid state. <i>Thermochimica Acta</i> , <b>1988</b> , 127, 329-335	2.9	1

9	Thermally induced phase transition and X-ray crystal structure of bis(N,N'-dimethyl-1,2-ethanediamine)di-isothiocyanatonickel(II). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1987</b> , 997-1000		31
8	Thermally induced solid-state isomerisation and decomposition of 2,2-dimethyl-1,3-propanediamine nickel(II) complexes. <i>Transition Metal Chemistry</i> , <b>1987</b> , 12, 453-457	2.1	6
7	Phase transition and decomposition of A <sub>2</sub> MX <sub>4</sub> [A = (C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> N; M = Co(II), Ni(II) AND Cu(II); X = Cl and Br] in the solid state. <i>Thermochimica Acta</i> , <b>1986</b> , 108, 97-103	2.9	14
6	Solid state thermal phase transition of cadmium(II) diamine complexes. <i>Thermochimica Acta</i> , <b>1986</b> , 105, 35-40	2.9	2
5	Phase transition and decomposition of tetraethylammonium tetrahalomanganate in the solid state. <i>Thermochimica Acta</i> , <b>1986</b> , 98, 367-371	2.9	2
4	Synthesis, characterisation and solid state thermal behaviour of nickel(II) diamine complexes. <i>Transition Metal Chemistry</i> , <b>1986</b> , 11, 81-86	2.1	17
3	Thermal Studies of 1,2-Propanediamine Complexes of Zinc(II) and Cadmium(II) in the Solid Phase. <i>Bulletin of the Chemical Society of Japan</i> , <b>1985</b> , 58, 3606-3612	5.1	2
2	Solid state thermal phase transitions and decompositions of nickel (II) diamine complexes. <i>Thermochimica Acta</i> , <b>1985</b> , 92, 759-762	2.9	7
1	Template synthesis of Ni(II) complexes of unsymmetrical Schiff base ligands derived from 1,3-diamino-2-propanol: structural diversity and magnetic properties. <i>New Journal of Chemistry</i> ,	3.6	2