

Shouvik Chattopadhyay

List of Publications by Year in descending order

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215
papers

5,239
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94269

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#	ARTICLE	IF	CITATIONS
1	A mononuclear zinc complex with a diamine: Synthesis, characterization, self assembly, luminescence property and DFT calculations. <i>Journal of Molecular Structure</i> , 2022, 1249, 131598.	1.8	3
2	Synthetic strategies, structures and properties of di and polynuclear cobalt complexes with H ₂ salen type Schiff bases and their reduced analogues. <i>Polyhedron</i> , 2022, 211, 115511.	1.0	14
3	Large interaction energy for the homodimer and the heterodimer extracted from the supramolecular chain of a bent trinuclear zinc(ⁱⁱ) complex with a reduced Schiff base ligand. <i>New Journal of Chemistry</i> , 2022, 46, 1845-1856.	1.4	2
4	Recent advances on the tetrel bonding interaction in the solid state structure of lead complexes with hydrazine based bis-pyridine Schiff base ligands. <i>Polyhedron</i> , 2022, 216, 115670.	1.0	11
5	Synthesis, structure and properties of homo- and hetero-trinuclear complexes of salicylaldehyde-based di-Schiff bases. <i>Polyhedron</i> , 2022, 215, 115652.	1.0	15
6	Insight into charge transportation in cadmium based semiconducting organic-inorganic hybrid materials and their application in the fabrication of photosensitive Schottky devices. <i>Dalton Transactions</i> , 2022, 51, 5721-5734.	1.6	10
7	Field-induced single-molecule magnet behaviour in a series of dinuclear cobalt(III,II) complexes. <i>Polyhedron</i> , 2022, 220, 115802.	1.0	5
8	Development of di and polynuclear lead(II) salen (or reduced salen) complexes having PbO ₂ M (M=Cu/Ni) cores: Synthetic strategies and structures. <i>Polyhedron</i> , 2022, 218, 115756.	1.0	5
9	Insight into non-covalent interactions in a [Cu(N ₃) ₄] ²⁺ bridged hetero-pentanuclear copper(ⁱⁱ)/sodium complex with special emphasis on the strong CH ⁻ ⋯[Cu(N ₃) ₄] interactions. <i>New Journal of Chemistry</i> , 2022, 46, 11286-11295.	1.4	7
10	Estimation of the ability of the π-system of pseudohalides (azide and thiocyanate) to participate in CH ⁻ ⋯ interactions in cyclic hetero-tetranuclear cobalt(III)/sodium and linear trinuclear mixed valence cobalt(III/II/III) complexes. <i>Polyhedron</i> , 2022, 222, 115862.	1.0	4
11	Introduction to tetracyanometalate bridged transition metal-salen complexes: Synthesis, structure and properties. <i>Polyhedron</i> , 2022, 223, 115935.	1.0	3
12	Exploration of noncovalent interactions in the solid state structures of carboxylate bridged trinuclear mixed valence cobalt complexes using computational tools based on the topological analysis of the electron density. <i>Polyhedron</i> , 2022, 223, 115910.	1.0	5
13	Use of hexacyanometalates as efficient linkers to assemble manganese(III)-salen moieties forming cyanide bridged polynuclear complexes: A review. <i>Polyhedron</i> , 2022, 224, 115977.	1.0	4
14	Synthesis and characterization of cobalt and iron complexes with di-azine ligands based on salicylaldehyde or its derivatives: A review. <i>Polyhedron</i> , 2022, 225, 116036.	1.0	3
15	Synthesis, characterization and self assembly of dinuclear zinc Schiff base complexes: A combined experimental and theoretical study. <i>Polyhedron</i> , 2022, 225, 116044.	1.0	5
16	DFT study on CH ⁻ O, CH ⁻ SCN and S ⁻ interaction energies in three dinuclear mixed valence cobalt(III/II) complexes with secondary diamine ligands having inner N ₂ O ₂ and outer O ₄ compartments. <i>Polyhedron</i> , 2022, , 116039.	1.0	1
17	An insight into the role of supramolecular interactions to stabilize the solid state structure of an octahedral nickel(II) diamine complex. <i>Inorganica Chimica Acta</i> , 2021, 515, 120023.	1.2	7
18	Phenoxy-bridged dinuclear mixed valence cobalt(ⁱⁱⁱ / ⁱⁱ) complexes with reduced Schiff base ligands: synthesis, characterization, band gap measurements and fabrication of Schottky barrier diodes. <i>Dalton Transactions</i> , 2021, 50, 1721-1732.	1.6	25

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19	A tetrameric uudd type water cluster encapsulated in a dinuclear vanadium(V) Schiff base complex and its role in the formation of supramolecular assemblies: A joint experimental and theoretical study. <i>Inorganica Chimica Acta</i> , 2021, 515, 120057.	1.2	13
20	Existence of stronger C H \cdots N(chelate ring) interaction compared to C H \cdots N(arene) interactions in the supramolecular assembly of dinuclear iron(III) Schiff base complexes: A theoretical insight. <i>Inorganica Chimica Acta</i> , 2021, 516, 120081.	1.2	9
21	Insight into non-covalent interactions in two triamine-based mononuclear iron(III) Schiff base complexes with special emphasis on the formation of Br \cdots halogen bonding. <i>CrystEngComm</i> , 2021, 23, 1578-1587.	1.3	8
22	Synthesis and characterization of a mononuclear zinc(II) Schiff base complex: on the importance of C \cdots H interactions. <i>RSC Advances</i> , 2021, 11, 30148-30155.	1.7	13
23	Theoretical insights on the encapsulated hydronium ion mediated supramolecular assembly of nickel(II) Schiff base complexes: strong hydrogen bonding interaction due to charge transfer from the lone pair of oxygen to the antibonding orbital of the O \cdots H bond. <i>CrystEngComm</i> , 2021, 23, 6724-6735.	1.3	7
24	A theoretical insight on the anion \cdots anion interactions observed in the solid state structure of a hetero-trinuclear complex. <i>CrystEngComm</i> , 2021, 23, 1429-1438.	1.3	11
25	On the importance of R ₃ C \cdots N tetrel bonding interactions in the solid state of a dinuclear zinc complex with a tetradentate Schiff base ligand. <i>CrystEngComm</i> , 2021, 23, 3391-3397.	1.3	8
26	Differentiating intramolecular spodium bonds from coordination bonds in two polynuclear zinc(II) Schiff base complexes. <i>CrystEngComm</i> , 2021, 23, 2703-2710.	1.3	39
27	A theoretical insight into the formation of chalcogen bonding (ChB) interactions involving coordinated DMSO molecules as σ -hole donors and benzoate groups as π -hole acceptors in a dinuclear copper(II) complex. <i>CrystEngComm</i> , 2021, 23, 5087-5096.	1.3	12
28	Insight into the formation of H-bonds propagating the monomeric zinc complexes of a tridentate reduced Schiff base to form an infinite chain. <i>CrystEngComm</i> , 2021, 23, 1918-1928.	1.3	6
29	Synthetic strategies, crystal structures and biological activities of metal complexes with the members of azole family: A review. <i>Polyhedron</i> , 2021, 200, 115093.	1.0	16
30	Synthetic methodology, structures and properties of mixed valence copper(I/II) complexes with various Schiff bases and their reduced analogues. <i>Polyhedron</i> , 2021, 199, 115086.	1.0	5
31	An insight to the spin density distribution and non-covalent interactions in a carboxylate bridged class-I mixed valence cobalt(II),cobalt(III) complex of quadruplet nature. <i>Inorganica Chimica Acta</i> , 2021, 521, 120298.	1.2	8
32	An insight into the supramolecular interactions in two linear polyvanadates. <i>Journal of Molecular Structure</i> , 2021, 1242, 130681.	1.8	2
33	Dinuclear mixed valence cobalt(II/III) and hetero-tetranuclear cobalt(III)/Na complexes with a compartmental ligand: Synthesis, characterization and use as catalysts for oxidative dimerisation of 2-aminophenol. <i>Inorganica Chimica Acta</i> , 2021, 515, 120044.	1.2	14
34	Phenoxido mediated antiferromagnetic and azide mediated ferromagnetic coupling in two dinuclear ferromagnetic nickel(II) complexes with isomeric Schiff bases: a theoretical insight on the pathway of magnetic interaction. <i>CrystEngComm</i> , 2021, 23, 1942-1952.	1.3	8
35	Hydrogen bond mediated intermolecular magnetic coupling in mononuclear high spin iron(III) Schiff base complexes: synthesis, structure and magnetic study with theoretical insight. <i>RSC Advances</i> , 2021, 11, 3315-3323.	1.7	11
36	Synthesis and characterization of a double oximate bridged dimeric copper(II) complex and its use in oxidative dimerisation of o-aminophenol. <i>Polyhedron</i> , 2020, 175, 114164.	1.0	18

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37	Representation of a photosensitive Schottky barrier diode made with hetero-dinuclear cobalt(Co^{III})/sodium building blocks. <i>New Journal of Chemistry</i> , 2020, 44, 1285-1293.	1.4	34
38	An insight into the non-covalent $\text{Pb}^{\text{II}}\cdots\text{S}$ and $\text{S}^{\text{II}}\cdots\text{S}$ interactions in the solid-state structure of a hemidirected lead(Pb^{II}) complex. <i>CrystEngComm</i> , 2020, 22, 237-247.	1.3	28
39	Phenoxazinone synthase mimicking activity of a dinuclear copper(II) complex with a half salen type Schiff base ligand. <i>Polyhedron</i> , 2020, 178, 114311.	1.0	18
40	A benzoate bridged dinuclear mixed valence cobalt(III/II) complex with $\text{Co}^{\text{III}}\text{O}_4\text{Co}^{\text{II}}$ core: Synthesis, structure and investigation of its phenoxazinone synthase mimicking activity. <i>Polyhedron</i> , 2020, 177, 114290.	1.0	16
41	Intramolecular Spodium Bonds in Zn(II) Complexes: Insights from Theory and Experiment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7091.	1.8	41
42	Field-induced single molecule magnet behavior of a dinuclear cobalt(Co^{II}) complex: a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2020, 49, 16778-16790.	1.6	18
43	Synthesis, structure and magnetic property of a dinuclear cobalt(II/III) complex with a reduced Schiff base ligand. <i>Polyhedron</i> , 2020, 190, 114756.	1.0	14
44	Synthesis, characterization, self-assembly and non-ohmic Schottky barrier diode behaviors of two iron(Fe^{III}) based semiconductors with theoretical insight. <i>CrystEngComm</i> , 2020, 22, 5170-5181.	1.3	23
45	Exploitation of the electron deficient outer O4 compartment of a compartmental Schiff base to act as H-bond acceptors in forming a self-assembled dimer of a manganese(III) complex: A joint experimental and theoretical venture. <i>Polyhedron</i> , 2020, 189, 114711.	1.0	0
46	A theoretical insight into non-covalent supramolecular interactions in the solid state structures of two octahedral iron(Fe^{III}) complexes. <i>CrystEngComm</i> , 2020, 22, 5731-5742.	1.3	14
47	An acetate bridged centrosymmetric zinc(II) complex with a tetradentate reduced Schiff base ligand: Synthesis, characterization and ability to sense nitroaromatics by turn off fluorescence response. <i>Polyhedron</i> , 2020, 190, 114735.	1.0	16
48	Methylene spacer regulated variation in supramolecular assembly of zinc(Zn^{II}) dicyanamide complexes with reduced Schiff base ligands: synthesis, structure and DFT study. <i>CrystEngComm</i> , 2020, 22, 6876-6885.	1.3	15
49	Synthesis, structure and nitroaromatic sensing ability of a trinuclear zinc complex with a reduced Schiff base ligand: Assessment of the ability of the ligand to sense zinc ion. <i>Polyhedron</i> , 2020, 187, 114639.	1.0	19
50	Exploration of $\text{Br}^{\text{II}}\cdots\text{O}$ halogen bonding interactions in dinuclear vanadium(V) complexes with Schiff base ligands. <i>Polyhedron</i> , 2020, 187, 114676.	1.0	18
51	Synthesis of an electrically conductive square planar copper(Cu^{II}) complex and its utilization in the fabrication of a photosensitive Schottky diode device and DFT study. <i>New Journal of Chemistry</i> , 2020, 44, 11622-11630.	1.4	14
52	Visible light driven photodegradation of methylene blue with two reduced Schiff base complexes of zinc(II): Exploration of their phosphatase mimicking ability. <i>Polyhedron</i> , 2020, 184, 114527.	1.0	15
53	Diminishing accessibility of electrophilic nickel(Ni^{II}) centres due to incorporation of a methylene spacer in the pendant side arm of a series of heterotrinnuclear nickel(Ni^{II})/sodium complexes: a DFT study using a homodesmotic equation. <i>CrystEngComm</i> , 2020, 22, 2970-2977.	1.3	10
54	A combined experimental and theoretical study on an ionic cobalt(III/II) complex with a Schiff base ligand. <i>Polyhedron</i> , 2020, 182, 114432.	1.0	5

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55	A series of hydrogen bond mediated dinuclear nickel(II) complexes with reduced Schiff base ligands: An insight into the nature of their short intermolecular hydrogen bonds. <i>Polyhedron</i> , 2020, 179, 114374.	1.0	13
56	A theoretical insight on the rigid hydrogen-bonded network in the solid state structure of two zinc(Zn^{II}) complexes and their strong fluorescence behaviors. <i>CrystEngComm</i> , 2020, 22, 3005-3019.	1.3	19
57	Relative stability of the <i>cis</i> and <i>trans</i> isomers of octahedral cobalt(Co^{III}) complexes of the type $[\text{Co}(\text{N}_2\text{O}_2\text{X})_2]$ with tetradentate salen type Schiff bases: a combined theoretical and experimental study. <i>CrystEngComm</i> , 2019, 21, 6026-6037.	1.3	15
58	Importance of π -Interactions Involving Chelate Rings in Addition to the Tetrel Bonds in Crystal Engineering: A Combined Experimental and Theoretical Study on a Series of Hemi- and Holodirected Nickel(II)/Lead(II) Complexes. <i>Crystal Growth and Design</i> , 2019, 19, 5869-5881.	1.4	53
59	A tetranuclear nickel/lead complex with a salen type Schiff base: synthesis, structure and exploration of photosensitive Schottky barrier diode behaviour. <i>New Journal of Chemistry</i> , 2019, 43, 5020-5031.	1.4	30
60	Phosphatase-mimicking activity of a unique penta-nuclear zinc(Zn^{II}) complex with a reduced Schiff base ligand: assessment of its ability to sense nitroaromatics. <i>New Journal of Chemistry</i> , 2019, 43, 4432-4443.	1.4	43
61	A series of trinuclear zinc(Zn^{II}) complexes with reduced Schiff base ligands: turn-off fluorescent chemosensors with high selectivity for nitroaromatics. <i>New Journal of Chemistry</i> , 2019, 43, 10093-10102.	1.4	48
62	Methylene spacer regulated variation in molecular and crystalline architectures of cobalt(Co^{III}) complexes with reduced Schiff base ligands: a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2019, 48, 11433-11447.	1.6	21
63	Photocatalytic ability of two hetero-tetranuclear complexes with CuO_2Cd cores to degrade methylene blue: Influence of their structures on activity. <i>Polyhedron</i> , 2019, 170, 253-263.	1.0	18
64	Synthetic stratagem and structures of two heteroleptic cobalt(III) complexes acting as biomimetic catalysts: Role of co-ligands in catalytic activities. <i>Polyhedron</i> , 2019, 170, 495-507.	1.0	11
65	Synthesis and structural characterization of three manganese(III) complexes with N_2O_2 donor tetradentate Schiff base ligands: Exploration of their catalase mimicking activity. <i>Inorganica Chimica Acta</i> , 2019, 494, 123-131.	1.2	8
66	A comprehensive overview of the orientation of tetradentate N_2O_2 donor Schiff base ligands in octahedral complexes of trivalent 3d metals. <i>Journal of Molecular Structure</i> , 2019, 1186, 155-186.	1.8	34
67	Analysis of energies of halogen and hydrogen bonding interactions in the solid state structures of vanadyl Schiff base complexes. <i>RSC Advances</i> , 2019, 9, 4789-4796.	1.7	18
68	Construction of a new double phenoxo bridged asymmetric manganese(III) Schiff base complex: Observation of ferromagnetic interaction within the dimer and antiferromagnetic interaction between dimers. <i>Polyhedron</i> , 2019, 164, 138-145.	1.0	7
69	Synthesis and characterization of a manganese(III) schiff base complex and exploration of $\text{Br}\cdots\text{Br}$ interaction in the solid state structure of the complex. <i>Journal of Coordination Chemistry</i> , 2019, 72, 3237-3247.	0.8	3
70	Formation of a tetranuclear supramolecule <i>via</i> non-covalent $\text{Pb}\cdots\text{Cl}$ tetrel bonding interaction in a hemidirected lead(Pb^{II}) complex with a nickel(Ni^{II}) containing metaloligand. <i>CrystEngComm</i> , 2019, 21, 6859-6868.	1.3	30
71	DFT study on the redox behavior of two dioxovanadium(V^{V}) complexes with N_2O donor Schiff base ligands and their use in catalytic oxidation of <i>ortho</i> -aminophenol. <i>New Journal of Chemistry</i> , 2019, 43, 18747-18759.	1.4	20
72	Development of multi-metallic complexes using metal-salen complexes as building blocks. <i>Journal of Coordination Chemistry</i> , 2019, 72, 3183-3209.	0.8	28

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73	Magnetic Properties of End-to-End Azide-Bridged Tetranuclear Mixed-Valence Cobalt(III)/Cobalt(II) Complexes with Reduced Schiff Base Blocking Ligands and DFT Study. ACS Omega, 2019, 4, 20634-20643.	1.6	23
74	Photosensitive Schottky barrier diode behavior of a semiconducting Co(ⁱⁱⁱ)-Na complex with a compartmental Schiff base ligand. RSC Advances, 2019, 9, 34710-34719.	1.7	19
75	Stabilization of two conformers <i>via</i> intra- or inter-molecular hydrogen bonds in a dinuclear vanadium(^v) complex with a pendant Schiff base: theoretical insight. RSC Advances, 2019, 9, 35165-35175.	1.7	19
76	Observation of an anion-anion interaction in a square planar copper(II) Schiff base complex: DFT study and CSD analysis. Inorganica Chimica Acta, 2019, 487, 465-472.	1.2	11
77	A triple alkoxo bridged dinuclear cobalt(III) complex mimicking phosphatase and showing ability to degrade organic dye contaminants by photocatalysis. Journal of Organometallic Chemistry, 2019, 883, 52-64.	0.8	13
78	Synthesis and characterization of mixed valence cobalt(III)/cobalt(II) complexes with N,O-donor Schiff base ligands. Polyhedron, 2019, 159, 1-11.	1.0	34
79	A trigonal dodecahedral cadmium(II) complex with zinc(II)-salen type metalloligand: Synthesis, structure, self-assembly and application in the detection of various nitroaromatics via turn-off fluorescence response. Polyhedron, 2019, 159, 265-274.	1.0	29
80	The ability of a trinuclear zinc(II) Schiff base complex to act as a photocatalyst for the degradation of methylene blue and to mimic phosphatase. Polyhedron, 2019, 157, 449-457.	1.0	27
81	Synthesis, characterization and DFT study on two copper(II) complexes with a naphthalene-based Schiff base: Examples of stronger chelate-chelate interactions than those reported for classical π - π complexes. Polyhedron, 2019, 157, 487-494.	1.0	11
82	Non-covalent tetrel bonding interactions in hemidirectional lead(ⁱⁱ) complexes with nickel(ⁱⁱ)-salen type metalloligands. New Journal of Chemistry, 2018, 42, 6062-6076.	1.4	44
83	Synthesis and characterization of three hetero-dinuclear complexes with CuO 2 M cores (M = Na, Hg): Exploration of their phenoxazinone synthase mimicking activity. Polyhedron, 2018, 150, 28-34.	1.0	16
84	Formation of a water-mediated assembly of two neutral copper(ⁱⁱ) Schiff base fragments with a Cu ₂ (NCS) ₄ moiety: exploration of non-covalent C-H... π (bimetallo ring) interactions. CrystEngComm, 2018, 20, 1679-1689.	1.3	28
85	Synthesis, structure and magnetic characterization of a dinuclear and two mononuclear iron(III) complexes with N,O-donor Schiff base ligands. Polyhedron, 2018, 146, 42-54.	1.0	31
86	Role of steric crowding of ligands in the formation of hydroxido bridged di- and trinuclear copper(II) complexes: Structures and magnetic properties. Polyhedron, 2018, 145, 43-52.	1.0	8
87	Methylene spacer regulated variation in conformation of tetradentate N ₂ O ₂ donor Schiff bases trapped in manganese(ⁱⁱⁱ) complexes. CrystEngComm, 2018, 20, 1077-1086.	1.3	27
88	Synthesis, characterization and catechol oxidase mimicking activity of two iron(III) schiff base complexes. Polyhedron, 2018, 146, 81-92.	1.0	36
89	Synthesis, structure, catechol oxidase and phenoxazinone synthase mimicking activity of a manganese(III) Schiff base complex [Mn(HL) ₂ (CH ₃ OH) ₂][Mn(HL) ₂ (N ₃) ₂]. Polyhedron, 2018, 141, 198-207.	1.0	19
90	Estimating the energy of noncovalent interactions in a dioxovanadium(V) Schiff base complex: Exploration of its phenoxazinone synthase like activity. Polyhedron, 2018, 142, 83-92.	1.0	15

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91	A Semiconducting Copper(II) Coordination Polymer with (4,4) Square Grid Topology: Synthesis, Characterization, and Application in the Formation of a Photoswitch. <i>Crystal Growth and Design</i> , 2018, 18, 651-659.	1.4	55
92	End-on cyanate or end-to-end thiocyanate bridged dinuclear copper(II) complexes with a tridentate Schiff base blocking ligand: synthesis, structure and magnetic studies. <i>New Journal of Chemistry</i> , 2018, 42, 1634-1641.	1.4	20
93	Ƴf-Hole halogen bonding interactions in a mixed valence cobalt(III)/copper(II) complex and anti-electrostatic hydrogen bonding interaction in a cobalt(III) complex: a theoretical insight. <i>CrystEngComm</i> , 2018, 20, 7281-7292.	1.3	33
94	Fabrication of an Active Electronic Device Using a Hetero-bimetallic Coordination Polymer. <i>ACS Omega</i> , 2018, 3, 12788-12796.	1.6	29
95	A trinuclear centrosymmetric zinc(II) Schiff base complex: Exploration of its photocatalytic and phosphatase mimicking activity. <i>Inorganic Chemistry Communication</i> , 2018, 98, 92-98.	1.8	20
96	Synthesis and structure of a cobalt(III) complex containing pendant Schiff base ligand: Exploration of its catechol oxidase and phenoxazinone synthase like activity. <i>Inorganica Chimica Acta</i> , 2018, 482, 23-33.	1.2	23
97	Chirality-Induced Variation in Interaction of Two Similar Copper(II) Coordination Polymers with Calf Thymus DNA: Exploration of Their Antimicrobial Activity and Cytotoxicity. <i>ChemistrySelect</i> , 2018, 3, 7112-7122.	0.7	11
98	A mixed phenoxo and end-on azide bridged dinuclear copper(II) Schiff base complex: synthesis, structure, magnetic characterization and DFT study. <i>New Journal of Chemistry</i> , 2018, 42, 13512-13519.	1.4	16
99	Unprecedented photosensitivity of heterotrimetallic copper(II)/sodium/mercury(II) coordination polymer based thin film semiconductor device. <i>New Journal of Chemistry</i> , 2018, 42, 15295-15305.	1.4	25
100	One pot synthesis of two cobalt(III) Schiff base complexes with chelating pyridyltetrazolate and exploration of their bio-relevant catalytic activities. <i>RSC Advances</i> , 2018, 8, 28216-28237.	1.7	29
101	Heteronuclear cobalt(III)/sodium complexes with salen type compartmental Schiff base ligands: methylene spacer regulated variation in nuclearity. <i>Dalton Transactions</i> , 2018, 47, 331-347.	1.6	61
102	Synthesizing a Cu ^{II} complex of tinidazole to tune the generation of the nitro radical anion in order to strike a balance between efficacy and toxic side effects. <i>New Journal of Chemistry</i> , 2017, 41, 4879-4886.	1.4	9
103	Importance of C-H...N interactions in stabilizing the syn/anti arrangement of pendant alkoxy side arms in two manganese(IV) Schiff base complexes: exploration of catechol oxidase and phenoxazinone synthase like activities. <i>New Journal of Chemistry</i> , 2017, 41, 8053-8065.	1.4	16
104	Synthesis, Characterization, DFT Study, Catechol Oxidase and Phenoxazinone Synthase Like Activities of Two New Manganese(IV) Schiff Base Complexes. <i>ChemistrySelect</i> , 2017, 2, 2975-2984.	0.7	18
105	Estimation of conventional C-H...N (arene), unconventional C-H...N (chelate) and C-H...N (thiocyanate) interactions in hetero-nuclear nickel(II)/cadmium(II) complexes with a compartmental Schiff base. <i>Dalton Transactions</i> , 2017, 46, 5384-5397.	1.6	60
106	Observation of Ƴ-hole interactions in the solid state structures of three new copper(II) complexes with a tetradentate N4 donor Schiff base: Exploration of their cytotoxicity against MDA-MB 468 cells. <i>Polyhedron</i> , 2017, 123, 334-343.	1.0	41
107	A Combined Experimental and Theoretical Study on the Formation of a Cyclic Tetrameric Water Cluster and a Similar Type of Cyclic Cluster in Copper(II) Schiff Base Complexes. <i>ChemistrySelect</i> , 2017, 2, 9336-9343.	0.7	34
108	A polynuclear and two dinuclear copper(II) Schiff base complexes: Synthesis, characterization, self-assembly, magnetic property and DFT study. <i>Polyhedron</i> , 2017, 137, 332-346.	1.0	21

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109	Both end-on and end-to-end azide bridged tetranuclear ferromagnetic nickel Schiff base complexes. <i>New Journal of Chemistry</i> , 2017, 41, 13585-13592.	1.4	11
110	Suitable Interplay between Various Conventional and Unconventional Non-covalent Interactions in Forming Self-assembled Supramolecules of Two Ni(II)/Zn(II) Schiff Base Complexes. <i>ChemistrySelect</i> , 2017, 2, 7880-7887.	0.7	16
111	Two Cobalt(III) Schiff Base Complexes of the Type [Co(ABC)(DE)X]: Facile Synthesis, Characterization, Catechol Oxidase and Phenoxazinone Synthase Mimicking Activity. <i>ChemistrySelect</i> , 2017, 2, 8207-8220.	0.7	28
112	Estimation of non-covalent C-H...N (chelate ring) and hydrogen bonding interactions in vanadium(V) Schiff base complexes: Methylene spacer regulated variation in self-assembly. <i>Inorganica Chimica Acta</i> , 2017, 467, 212-220.	1.2	11
113	Phosphatase Mimicking Activity of Two Zinc(II) Schiff Base Complexes with Zn ₂ O ₂ Cores: NBO Analysis and MEP Calculation to Estimate Non-covalent Interactions. <i>ChemistrySelect</i> , 2017, 2, 6286-6295.	0.7	30
114	Accidental Orthogonality Induced Weak Magnetic Coupling in a Dinuclear Copper(II) Complex: Exploration of Unconventional C-H...N(SCN) Interactions and Catechol Oxidase Activity. <i>ChemistrySelect</i> , 2017, 2, 6535-6543.	0.7	18
115	A Combined Experimental and Theoretical Study to Explore the Importance of π -Hole Carbon Bonding Interactions in Stabilizing Molecular Assemblies. <i>ChemistrySelect</i> , 2017, 2, 10586-10594.	0.7	16
116	Two new manganese(III) complexes with salicylaldehyde Schiff bases: Synthesis, structure, self-assembly and phenoxazinone synthase mimicking activity. <i>Inorganica Chimica Acta</i> , 2017, 457, 19-28.	1.2	24
117	Synthesis, characterization and photocatalytic activity of a dinuclear thiocyanate bridged cadmium(II) Schiff base complex. <i>Polyhedron</i> , 2017, 127, 471-477.	1.0	17
118	Synthesis, characterization and phenoxazinone synthase mimicking activity of cobalt(III) Schiff base complexes. <i>Polyhedron</i> , 2017, 123, 162-175.	1.0	68
119	The crucial role of chelate-chelate stacking interactions in the crystal structure of a square planar copper(II) complex. <i>Journal of Molecular Structure</i> , 2017, 1127, 355-360.	1.8	13
120	Exploration of photocatalytic activity of an end-on azide bridged one-dimensional cadmium(II) Schiff base complex for the degradation of organic dye in visible light. <i>Polyhedron</i> , 2017, 121, 199-205.	1.0	26
121	A combined experimental and theoretical study on supramolecular assemblies in octahedral cobalt(III) salicylaldehyde complexes having pendant side arms. <i>Polyhedron</i> , 2016, 112, 86-95.	1.0	15
122	A combined experimental and computational study of supramolecular assemblies in two photoluminescent cadmium(II) complexes with halosalicylaldehyde Schiff bases. <i>Inorganica Chimica Acta</i> , 2016, 450, 321-329.	1.2	10
123	Iodide-bridged dinuclear copper(I) complex with cyanopyrazine and its conversion into bis(tetrazolato)copper(II) complex via [3+2] cycloaddition: synthesis, structure and self-assembly. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1713-1721.	1.2	3
124	Field-induced ferromagnetism due to magnetostriction in 1-D helical chains. <i>RSC Advances</i> , 2016, 6, 22980-22988.	1.7	11
125	Anion dependent supramolecular architectures in Cu(II) complexes containing N ₂ O-donor Schiff-base and 4,4'-bipyridine ligands: Structural analyses and theoretical studies. <i>Inorganica Chimica Acta</i> , 2016, 448, 26-33.	1.2	12
126	Two new hetero-dinuclear nickel(II)/zinc(II) complexes with compartmental Schiff bases: Synthesis, characterization and self assembly. <i>Polyhedron</i> , 2016, 112, 109-117.	1.0	47

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127	Manganese(III) complexes with tetradentate salicylaldimine Schiff bases: Synthesis, structure, self assembly and catalase activity. <i>Polyhedron</i> , 2016, 115, 37-46.	1.0	28
128	Synthesis, characterization and magnetic study of two new octahedral iron(III) complexes with pendant zwitterionic Schiff bases. <i>Inorganica Chimica Acta</i> , 2016, 453, 715-723.	1.2	15
129	A combined experimental and computational study on supramolecular assemblies in hetero-tetranuclear nickel(Ni^{II})–cadmium(Cd^{II}) complexes with N_2O_4 -donor compartmental Schiff bases. <i>Dalton Transactions</i> , 2016, 45, 15048-15059.	1.6	46
130	Modulation in Ni^{II} , cation– Ni^{II} and Ca^{II} – $\text{H}_2\text{N}^{\text{H}}\text{C}$ interactions varying the counter anions in square planar nickel(II) Schiff base complexes: A combined experimental and theoretical study. <i>Polyhedron</i> , 2016, 119, 451-459.	1.0	9
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132	A novel method for copper(Cu^{II}) mediated region-selective bromination of aromatic rings under mild conditions. <i>RSC Advances</i> , 2016, 6, 61214-61220.	1.7	20
133	Synthesis, characterization and self-assembly of three dicyanamide bridged polynuclear copper(II) complexes with N_2O donor tridentate Schiff bases as blocking ligands. <i>Polyhedron</i> , 2016, 117, 138-147.	1.0	12
134	Theoretical study on the degree of delocalization of unpaired spin in two mixed valence copper(II/I) complexes with isomeric chelating diamines and iodide. <i>Inorganica Chimica Acta</i> , 2016, 451, 16-22.	1.2	2
135	Importance of chelate–chelate stacking interactions in crystal structures of square pyramidal copper(II) complexes with two distinct chelating bidentate ligands. <i>Inorganica Chimica Acta</i> , 2016, 442, 16-23.	1.2	16
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137	Copper(II) pseudohalide complexes with isomeric N_2O donor Schiff base ligands: Synthesis, characterization and molecular dynamics simulations of interactions with DNA. <i>ChemistrySelect</i> , 2016, 1, 448-455.	0.7	8
138	Tetrazolate bridged dinuclear photo-luminescent zinc(II) Schiff base complex prepared via 1,3-dipolar cycloaddition at ambient condition. <i>Journal of Coordination Chemistry</i> , 2016, 69, 915-925.	0.8	8
139	A zinc(II) amidine complex: tandem synthesis, structure, and self assembly. <i>Journal of Coordination Chemistry</i> , 2016, 69, 112-122.	0.8	2
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142	Mono, di and trinuclear photo-luminescent cadmium(II) complexes with N_2O and N_2O_2 donor salicylidimine Schiff bases: Synthesis, structure and self assembly. <i>Inorganica Chimica Acta</i> , 2015, 433, 72-77.	1.2	33
143	Synthesis, Structures, and DFT Study of CuBr Based Coordination Polymers via in Situ Reduction of Copper(II). <i>Crystal Growth and Design</i> , 2015, 15, 257-267.	1.4	12
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145	Spontaneous resolution of P and M helical copper(II) MOFs built from achiral precursors. <i>RSC Advances</i> , 2015, 5, 18252-18257.	1.7	21
146	A dinuclear and a 1D zigzag chain of copper(II) complexes with N ₂ O donor Schiff base ligand and pseudohalides (azide and dicyanamide): Studies on catecholase-like activity. <i>Inorganica Chimica Acta</i> , 2015, 430, 24-29.	1.2	19
147	Observation of novel oxygen ^π -oxygen interaction in supramolecular assembly of cobalt(III) Schiff base complexes: a combined experimental and computational study. <i>RSC Advances</i> , 2015, 5, 73028-73039.	1.7	36
148	Application of a novel 2D cadmium(II)-MOF in the formation of a photo-switch with a substantial on/off ratio. <i>Chemical Communications</i> , 2015, 51, 12974-12976.	2.2	93
149	Variation in crystalline architectures through supramolecular interactions in copper(II) complexes with tridentate N ₂ O donor Schiff bases. <i>Journal of Coordination Chemistry</i> , 2015, 68, 2520-2538.	0.8	8
150	Formation of three photoluminescent dinuclear cadmium(II) complexes with Cd ₂ O ₂ cores. <i>Polyhedron</i> , 2015, 91, 10-17.	1.0	28
151	Asymmetric bis-(1,1-azido) bridged dinuclear copper(II) complex with N ₂ O donor Schiff base: synthesis, structure and magnetic study. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1361-1373.	0.8	8
152	1-Amino-4-hydroxy-9,10-anthraquinone – An analogue of anthracycline anticancer drugs, interacts with DNA and induces apoptosis in human MDA-MB-231 breast adenocarcinoma cells: Evaluation of structure-activity relationship using computational, spectroscopic and biochemical studies. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 312-323.	0.7	17
153	Synthesis, structure, magnetic property and self-assembly of two double end-on azide bridged ferromagnetic nickel(II) complexes with distinct bidentate blocking ligands: A combined experimental and theoretical study. <i>Polyhedron</i> , 2015, 101, 257-269.	1.0	17
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155	Synthesis and characterization of three new photo-luminescent cadmium(II) complexes with azide: Variation in molecular structures with changes in the denticity of blocking ligands. <i>Inorganica Chimica Acta</i> , 2015, 427, 155-161.	1.2	17
156	Formation of a novel ferromagnetic end-to-end cyanate bridged homochiral helical copper(II) Schiff base complex via spontaneous symmetry breaking. <i>Dalton Transactions</i> , 2015, 44, 493-497.	1.6	28
157	Anion directed cation templated synthesis of three ternary copper(II) complexes with a monocondensed N ₂ O donor Schiff base and different pseudohalides. <i>Polyhedron</i> , 2015, 85, 221-231.	1.0	30
158	Hydrogen bonding induced lowering of the intra-chain metal-metal distance in single end-on azide bridged one-dimensional copper(II) complexes with tridentate Schiff bases as blocking ligands. <i>Polyhedron</i> , 2014, 68, 346-356.	1.0	20
159	Synthesis and characterization of a nickel(II) complex of 9-methoxy-2,3-dihydro-1,4-benzoxazepine derived from a Schiff base ligand and its ligand substitution reaction. <i>Journal of Molecular Structure</i> , 2014, 1061, 26-31.	1.8	13
160	Synthesis and characterization of two new nickel(II) complexes with azide: Formation of a two-dimensional coordination polymer with 63-hcb topology. <i>Polyhedron</i> , 2014, 68, 205-211.	1.0	37
161	Anion modulated structural variations in copper(II) complexes with a semicarbazone Schiff base: Synthesis, characterization and self assembly. <i>Polyhedron</i> , 2014, 77, 103-114.	1.0	14
162	Variation in molecular and crystalline architectures of di- and poly-nuclear cadmium(II) complexes on changing the denticity of the blocking ligands. <i>Polyhedron</i> , 2014, 75, 57-63.	1.0	36

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164	A combined experimental and computational study of supramolecular assemblies in ternary copper($\langle \text{scp} \rangle \text{ii} \langle / \text{scp} \rangle$) complexes with a tetradentate N ₄ donor Schiff base and halides. RSC Advances, 2014, 4, 58643-58651.	1.7	29
165	Novel tandem synthesis of bis($\frac{1}{4}$ -NNâ€“tetrazolate) bridged dinuclear nickel($\langle \text{scp} \rangle \text{ii} \langle / \text{scp} \rangle$) Schiff base complex via [3 + 2] cyclo-addition at ambient condition. Dalton Transactions, 2014, 43, 5643-5647.	1.6	15
166	Formation of T4(1) water tapes interconnected via centrosymmetric nickel(II) Schiff base complex to produce a 3D architecture. Inorganic Chemistry Communication, 2014, 48, 12-17.	1.8	15
167	Field-Induced Ferromagnetism and Multiferroic Behavior in End-on Pseudohalide-Bridged Dinuclear Copper(II) Complexes with Tridentate Schiff Base Blocking Ligands. Inorganic Chemistry, 2014, 53, 8723-8734.	1.9	48
168	<i>In situ</i> assembly of a hostâ€“guest linked, mixed valence copper(II)â€“copper(I) coordination polymer [Cu(1,2-en) ₂ ($\frac{1}{4}$ -3 ₃ -l) ₂ Cu ₂ ($\frac{1}{4}$ -2 ₂ -l) ₂] _n via partial reduction of copper(II) under ambient conditions. Journal of Coordination Chemistry, 2014, 67, 2954-2966.	0.8	9
169	Synthesis, crystal structure and magnetic properties of two alternating double $\frac{1}{4}$ _{1,1} and $\frac{1}{4}$ _{1,3} azido bridged Cu($\langle \text{scp} \rangle \text{ii} \langle / \text{scp} \rangle$) and Ni($\langle \text{scp} \rangle \text{ii} \langle / \text{scp} \rangle$) chains. Dalton Transactions, 2014, 43, 12414-12421.	1.6	34
170	Design and construction of copper(I) complexes based on flexi-dentate cyclic N2-donor Schiff bases via in situ reduction of copper(II) precursors. Polyhedron, 2014, 81, 298-307.	1.0	21
171	Copper(II) complexes with tridentate N2O donor Schiff bases: Modulation of crystalline architectures through supramolecular interactions. Polyhedron, 2014, 67, 181-190.	1.0	22
172	Anion mediated diversity in the nuclearity of nickel(II) complexes with a N2O donor Schiff base: Formation of a supra-molecular chain via Brâ€“Br interactions. Polyhedron, 2014, 78, 40-45.	1.0	40
173	Synthesis, characterization and DFT study of nickel(II) complexes of a N2O donor Schiff base with different pseudo-halides: Formation of supra-molecular architectures by Câ€“Hâ€“Î€ interactions. Polyhedron, 2014, 78, 94-103.	1.0	21
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176	Synthesis and characterization of four dicyanamide bridged copper(II) complexes with N2O donor tridentate Schiff bases as blocking ligands. Inorganica Chimica Acta, 2013, 405, 400-409.	1.2	37
177	Copper(II) complexes with tridentate N2O donor Schiff base isomers: Modulation of molecular and crystalline architectures through supramolecular interactions. Polyhedron, 2013, 60, 68-77.	1.0	27
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179	Designed synthesis of copper(II) and nickel(II) complexes with a tridentate N2O donor Schiff base: Modulation of crystalline architectures through CHâ€“Î€ and anionâ€“Î€ interactions. Journal of Molecular Structure, 2013, 1051, 250-258.	1.8	24
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183	Control of molecular architecture by hydrogen bonding: mononuclear versus dinuclear copper(II) complexes with tridentate N2O donor Schiff base isomers. <i>Transition Metal Chemistry</i> , 2013, 38, 191-197.	0.7	27
184	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> , 2013, 395, 24-32.	1.2	45
185	Synthesis and structure of mono-, di- and tri-nuclear copper(II) benzoate complexes with a tridentate N2O donor Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2013, 396, 66-71.	1.2	25
186	Efficient and novel method for nucleophilic thiocyanation of activated aromatic compounds using sodium thiocyanate at ambient condition. <i>Inorganic Chemistry Communication</i> , 2013, 35, 160-163.	1.8	10
187	Synthesis and structures of two cobalt(III) complexes with N4 donor ligands: Isolation of a unique bis-hemiaminal ether ligand as the metal complex. <i>Polyhedron</i> , 2013, 50, 443-451.	1.0	38
188	Formation of polynuclear copper(II)-sodium(I) heterometallic complexes derived from salen-type Schiff bases. <i>Polyhedron</i> , 2013, 49, 113-120.	1.0	41
189	Methylene spacer regulated variation in structures and magnetic properties in copper(II) compounds with O, N, O donor Schiff bases. <i>Polyhedron</i> , 2013, 49, 269-276.	1.0	38
190	Unique in situ reduction of copper(ii) forming an interesting photoluminescent stair-polymer of copper(i) with a Cu2S2 core. <i>Dalton Transactions</i> , 2012, 41, 10145.	1.6	18
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194	Anion mediated diversity in the H-bonded assembly of a series of heteronuclear copper(II)/sodium(I) compounds. <i>Inorganica Chimica Acta</i> , 2012, 390, 53-60.	1.2	48
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197	Synthesis and characterisation of two double EE azido and thiocyanato bridged dimeric Cu(II) complexes with tridentate Schiff bases as blocking ligands. <i>Polyhedron</i> , 2012, 37, 21-26.	1.0	37
198	Control of molecular architecture by steric factors: mononuclear vs polynuclear manganese(iii) compounds with tetradentate N2O2 donor Schiff bases. <i>Dalton Transactions</i> , 2011, 40, 7916.	1.6	92

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200	Syntheses, characterization and X-ray crystal structures of a mono- and a penta-nuclear nickel(II) complex with oximate Schiff base ligands. <i>Inorganica Chimica Acta</i> , 2011, 365, 25-31.	1.2	26
201	Synthesis and characterization of nickel(II) and copper(II) complexes with tetradentate Schiff base ligands. <i>Inorganica Chimica Acta</i> , 2011, 366, 62-67.	1.2	30
202	Unique example of a trigonal dodecahedral Na ⁺ in a compartmental Schiff base N,N- ϵ^2 -(1,2-Phenylene)-bis(3-methoxysalicylideneimine). <i>Inorganic Chemistry Communication</i> , 2011, 14, 1337-1340.	1.8	49
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205	Syntheses, characterization and X-ray crystal structures of Ni(II) complexes of tridentate monocondensed and tetradentate dicondensed Schiff bases. <i>Polyhedron</i> , 2009, 28, 812-818.	1.0	30
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207	The first metamagnetic thiocyanato-bridged one-dimensional nickel(ii) complex. <i>Dalton Transactions</i> , 2007, , 2492.	1.6	62
208	Anion directed templated synthesis of mono- and di-Schiff base complexes of Ni(II). <i>Polyhedron</i> , 2007, 26, 3513-3522.	1.0	47
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