Shouvik Chattopadhyay

List of Publications by Year
in descending order

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215	5,239	94381	175177
papers	citations	37 h-index	52 g-index

216	216	216	2550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nickel(II) and copper(II) complexes of tetradentate unsymmetrical Schiff base ligands: First evidence of positional isomerism in such system. Inorganica Chimica Acta, 2006, 359, 1367-1375.	1.2	133
2	Methylene Spacerâ€Regulated Structural Variation in Cobalt(II/III) Complexes with Bridging Acetate and Salenâ€•or Salpnâ€Type Schiffâ€Base Ligands. European Journal of Inorganic Chemistry, 2008, 2008, 1693-1701.	1.0	126
3	First oxidative synthetic route of a novel, linear mixed valence Co(III)Co(II)Co(III) complex with bridging acetate and salen. Inorganic Chemistry Communication, 2006, 9, 1053-1057.	1.8	108
4	Application of a novel 2D cadmium(<scp>ii</scp>)-MOF in the formation of a photo-switch with a substantial onâ€“off ratio. Chemical Communications, 2015, 51, 12974-12976.	2.2	93
5	Control of molecular architecture by steric factors: mononuclear vs polynuclear manganese(iii) compounds with tetradentate N2O2 donor Schiff bases. Dalton Transactions, 2011, 40, 7916.	1.6	92
6	Synthesis, structure and magnetic properties of mono- and di-nuclear nickel(II) thiocyanate complexes with tridentate N3 donor Schiff bases. Polyhedron, 2010, 29, 2637-2642.	1.0	78
7	Synthesis, characterization and phenoxazinone synthase mimicking activity of cobalt(III) Schiff base complexes. Polyhedron, 2017, 123, 162-175.	1.0	68
8	Facile synthesis of Cu(II) complexes of monocondensed N,N,N donor Schiff base ligands: Crystal structure, spectroscopic and magnetic properties. Polyhedron, 2006, 25, 2241-2253.	1.0	64
9	The first metamagnetic thiocyanato-bridged one-dimensional nickel(ii) complex. Dalton Transactions, 2007, , 2492.	1.6	62
10	Heteronuclear cobalt(<scp>iii</scp>)/sodium complexes with salen type compartmental Schiff base ligands: methylene spacer regulated variation in nuclearity. Dalton Transactions, 2018, 47, 331-347.	1.6	61
11	Estimation of conventional Câ€“Hâ‹¯Ï€ (arene), unconventional Câ€“Hâ‹¯Ï€ (chelate) and Câ€“Hâ‹¯Ï€ (thiocyanate) interactions in hetero-nuclear nickel(<scp>ii</scp>)â€“cadmium(<scp>ii</scp>) complexes with a compartmental Schiff base. Dalton Transactions, 2017, 46, 5384-5397.	1.6	60
12	Formation of three photoluminescent zinc(II) complexes with Zn2O2 cores: Examples of bi-dentate bonding modes of potentially tri- and tetra-dentate Schiff bases. Polyhedron, 2015, 88, 156-163.	1.0	56
13	Three mononuclear octahedral cobalt(III) complexes with salicylaldimine Schiff bases: Synthesis, characterization, phenoxazinone synthase mimicking activity and DFT study on supramolecular interactions. Polyhedron, 2016, 112, 6-17.	1.0	56
14	A Semiconducting Copper(II) Coordination Polymer with (4,4) Square Grid Topology: Synthesis, Characterization, and Application in the Formation of a Photoswitch. Crystal Growth and Design, 2018, 18, 651-659.	1.4	55
15	Importance of Ï€-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. Crystal Growth and Design, 2019, 19, 5869-5881.	1.4	53
16	Synthesis, crystal structure and hydrolysis of a dinuclear copper(II) complex constructed by N2O donor Schiff base and 4,4â€²-bipyridine: Discrete supra-molecular ensembles vs. oligomers. Polyhedron, 2007, 26, 4411-4418.	1.0	51
17	Synthesis, characterization, and anion selectivity of copper(II) complexes with a tetradentate Schiff base ligand. Inorganica Chimica Acta, 2006, 359, 4519-4525.	1.2	50
18	Unique example of a trigonal dodecahedral Na+ in a compartmental Schiff base N,Nâ€²-(1,2-Phenylene)-bis(3-methoxysalicylideneimine). Inorganic Chemistry Communication, 2011, 14, 1337-1340.	1.8	49

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19	Anion mediated diversity in the H-bonded assembly of a series of heteronuclear copper(II)/sodium(I) compounds. Inorganica Chimica Acta, 2012, 390, 53-60.	1.2	48
20	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
21	A series of trinuclear zinc(<scp>ii</scp>) complexes with reduced Schiff base ligands: turn-off fluorescent chemosensors with high selectivity for nitroaromatics. New Journal of Chemistry, 2019, 43, 10093-10102.	1.4	48
22	Anion directed templated synthesis of mono- and di-Schiff base complexes of Ni(II). Polyhedron, 2007, 26, 3513-3522.	1.0	47
23	Nickel(II) complexes of terdentate or symmetrical tetradentate Schiff bases: Evidence of the influence of the counter anions in the hydrolysis of the imine bond in Schiff base complexes. Inorganica Chimica Acta, 2009, 362, 502-508.	1.2	47
24	Syntheses, characterization and X-ray crystal structures of hexa-coordinated monomeric and oxo-bridged dimeric Fe(III) compounds with salen-type Schiff bases. Polyhedron, 2012, 48, 189-198.	1.0	47
25	Two new hetero-dinuclear nickel(II)/zinc(II) complexes with compartmental Schiff bases: Synthesis, characterization and self assembly. Polyhedron, 2016, 112, 109-117.	1.0	47
26	A combined experimental and computational study on supramolecular assemblies in hetero-tetranuclear nickel(<scp>ii</scp>)â€“cadmium(<scp>ii</scp>) complexes with N₂O₄-donor compartmental Schiff bases. Dalton Transactions, 2016, 45, 15048-15059.	1.6	46
27	A polynuclear helical and two dinuclear copper(II) complexes of a monocondensed N,N,O donor Schiff base with pseudohalides as co-ligand. Inorganica Chimica Acta, 2013, 395, 24-32.	1.2	45
28	Non-covalent tetrel bonding interactions in hemidirectional lead(<scp>ii</scp>) complexes with nickel(<scp>ii</scp>)-salen type metalloligands. New Journal of Chemistry, 2018, 42, 6062-6076.	1.4	44
29	Phosphatase-mimicking activity of a unique penta-nuclear zinc(<scp>ii</scp>) complex with a reduced Schiff base ligand: assessment of its ability to sense nitroaromatics. New Journal of Chemistry, 2019, 43, 4432-4443.	1.4	43
30	Formation of polynuclear copper(II)â€“sodium(I) heterometallic complexes derived from salen-type Schiff bases. Polyhedron, 2013, 49, 113-120.	1.0	41
31	Formation of bis(Î¼-tetrazolato)dinickel(<scp>ii</scp>) complexes with N,N,O-donor Schiff bases via in situ 1,3-dipolar cyclo-additions: isolation of a novel bi-cyclic trinuclear nickel(<scp>ii</scp>)â€“sodium(<scp>i</scp>)â€“nickel(<scp>ii</scp>) complex. Dalton Transactions, 2014, 43, 2936-2947.	1.6	41
32	Observation of Ï€-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. Polyhedron, 2017, 123, 334-343.	1.0	41
33	Intramolecular Spodium Bonds in Zn(II) Complexes: Insights from Theory and Experiment. International Journal of Molecular Sciences, 2020, 21, 7091.	1.8	41
34	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
35	Heterometallic inorganicâ€“organic frameworks of sodiumâ€“nickel(vanen): Cationâ€“Ï€ interaction, trigonal dodecahedral Na+ and unprecedented heptadentate coordination mode of vanen2â¯. Polyhedron, 2013, 63, 214-221.	1.0	39
36	Differentiating intramolecular spodium bonds from coordination bonds in two polynuclear zinc(<scp>ii</scp>) Schiff base complexes. CrystEngComm, 2021, 23, 2703-2710.	1.3	39

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37	Synthesis and structures of two cobalt(III) complexes with N4 donor ligands: Isolation of a unique bis-hemiaminal ether ligand as the metal complex. Polyhedron, 2013, 50, 443-451.	1.0	38
38	Methylene spacer regulated variation in structures and magnetic properties in copper(II) compounds with O, N, O donor Schiff bases. Polyhedron, 2013, 49, 269-276.	1.0	38
39	Unique example of a T3(2)4(2)3(2)6(2) water tape containing acetateâ€“water hybrid hexamer in a heterometallic schiff base complex host. Inorganic Chemistry Communication, 2012, 18, 50-56.	1.8	37
40	Synthesis and characterisation of two double EE azido and thiocyanato bridged dimeric Cu(II) complexes with tridentate Schiff bases as blocking ligands. Polyhedron, 2012, 37, 21-26.	1.0	37
41	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
42	Synthesis and characterization of two new nickel(II) complexes with azide: Formation of a two-dimensional coordination polymer with 63-hcb topology. Polyhedron, 2014, 68, 205-211.	1.0	37
43	Synthesis and characterization of square planar and square pyramidal copper(II) compounds with tridentate Schiff bases: Formation of a molecular zipper via H-bonding interaction. Inorganica Chimica Acta, 2012, 390, 167-177.	1.2	36
44	Variation in molecular and crystalline architectures of di- and poly-nuclear cadmium(II) complexes on changing the denticity of the blocking ligands. Polyhedron, 2014, 75, 57-63.	1.0	36
45	Observation of novel oxygenâ¯oxygen interaction in supramolecular assembly of cobalt(<scp>iii</scp>) Schiff base complexes: a combined experimental and computational study. RSC Advances, 2015, 5, 73028-73039.	1.7	36
46	Synthesis, characterization and catechol oxidase mimicking activity of two iron(III) schiff base complexes. Polyhedron, 2018, 146, 81-92.	1.0	36
47	Counter anion modulated variation of denticity of NNO donor Schiff base in copper(II) complexes: Isolation of a zwitterionic Schiff base as the metal complex. Polyhedron, 2013, 62, 179-187.	1.0	34
48	Synthesis, crystal structure and magnetic properties of two alternating double Î¼_{1,1} and Î¼_{1,3} azido bridged Cu(<scp>ii</scp>) and Ni(<scp>ii</scp>) chains. Dalton Transactions, 2014, 43, 12414-12421.	1.6	34
49	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. ChemistrySelect, 2017, 2, 9336-9343.	0.7	34
50	A comprehensive overview of the orientation of tetradentate N2O2 donor Schiff base ligands in octahedral complexes of trivalent 3d metals. Journal of Molecular Structure, 2019, 1186, 155-186.	1.8	34
51	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
52	Representation of a photosensitive Schottky barrier diode made with hetero-dinuclear cobalt(<scp>iii</scp>)/sodium building blocks. New Journal of Chemistry, 2020, 44, 1285-1293.	1.4	34
53	Mono, di and trinuclear photo-luminescent cadmium(II) complexes with N2O and N2O2 donor salicylidimine Schiff bases: Synthesis, structure and self assembly. Inorganica Chimica Acta, 2015, 433, 72-77.	1.2	33
54	Ïƒ-Hole halogen bonding interactions in a mixed valence cobalt(<scp>iii</scp>/<scp>ii</scp>) complex and anti-electrostatic hydrogen bonding interaction in a cobalt(<scp>iii</scp>) complex: a theoretical insight. CrystEngComm, 2018, 20, 7281-7292.	1.3	33

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55	A novel copper(II) complex with a pendant Schiff base: An unprecedented monodentate bonding mode of the potentially tridentate ligand. Inorganica Chimica Acta, 2006, 359, 4441-4446.	1.2	31
56	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
57	Syntheses, characterization and X-ray crystal structures of Ni(II) complexes of tridentate monocondensed and tetradentate dicondensed Schiff bases. Polyhedron, 2009, 28, 812-818.	1.0	30
58	Synthesis and characterization of nickel(II) and copper(II) complexes with tetradentate Schiff base ligands. Inorganica Chimica Acta, 2011, 366, 62-67.	1.2	30
59	Anion directed cation templated synthesis of three ternary copper(II) complexes with a monocondensed N2O donor Schiff base and different pseudohalides. Polyhedron, 2015, 85, 221-231.	1.0	30
60	Phosphatase Mimicking Activity of Two Zinc(II) Schiff Base Complexes with Zn₂O₂ÂCores: NBO Analysis and MEP Calculation to Estimate Nonâ€€Covalent Interactions. ChemistrySelect, 2017, 2, 6286-6295.	0.7	30
61	A tetranuclear nickel/lead complex with a salen type Schiff base: synthesis, structure and exploration of photosensitive Schottky barrier diode behaviour. New Journal of Chemistry, 2019, 43, 5020-5031.	1.4	30
62	Formation of a tetranuclear supramolecule via non-covalent Pbâ‹¯Cl tetrel bonding interaction in a hemidirected lead(<scp>ii</scp>) complex with a nickel(<scp>ii</scp>) containing metaloligand. CrystEngComm, 2019, 21, 6859-6868.	1.3	30
63	A combined experimental and computational study of supramolecular assemblies in ternary copper(<scp>ii</scp>) complexes with a tetradentate N₄donor Schiff base and halides. RSC Advances, 2014, 4, 58643-58651.	1.7	29
64	Fabrication of an Active Electronic Device Using a Hetero-bimetallic Coordination Polymer. ACS Omega, 2018, 3, 12788-12796.	1.6	29
65	One pot synthesis of two cobalt(<scp>iii</scp>) Schiff base complexes with chelating pyridyltetrazolate and exploration of their bio-relevant catalytic activities. RSC Advances, 2018, 8, 28216-28237.	1.7	29
66	A trigonal dodecahedral cadmium(II) complex with zinc(II)â€“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
67	Formation of three photoluminescent dinuclear cadmium(II) complexes with Cd2O2 cores. Polyhedron, 2015, 91, 10-17.	1.0	28
68	Formation of a novel ferromagnetic end-to-end cyanate bridged homochiral helical copper(<scp>ii</scp>) Schiff base complex via spontaneous symmetry breaking. Dalton Transactions, 2015, 44, 493-497.	1.6	28
69	Manganese(III) complexes with tetradentate salicylaldimine Schiff bases: Synthesis, structure, self assembly and catalase activity. Polyhedron, 2016, 115, 37-46.	1.0	28
70	Two Cobalt(III) Schiff Base Complexes of the Type [Co(ABC)(DE)X]: Facile Synthesis, Characterization, Catechol Oxidase and Phenoxazinone Synthase Mimicking Activity. ChemistrySelect, 2017, 2, 8207-8220.	0.7	28
71	Formation of a water-mediated assembly of two neutral copper(<scp>ii</scp>) Schiff base fragments with a Cu₂(NCS)₄moiety: exploration of non-covalent Câ€“Hâ‹¯Ï€(bimetallo ring) interactions. CrystEngComm, 2018, 20, 1679-1689.	1.3	28
72	Development of multi-metallic complexes using metal-salen complexes as building blocks. Journal of Coordination Chemistry, 2019, 72, 3183-3209.	0.8	28

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73	An insight into the non-covalent Pbâ‹¯S and Sâ‹¯S interactions in the solid-state structure of a hemidirected lead(<scp>ii</scp>) complex. CrystEngComm, 2020, 22, 237-247.	1.3	28
74	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
75	Control of molecular architecture by hydrogen bonding: mononuclear versus dinuclear copper(II) complexes with tridentate N2O donor Schiff base isomers. Transition Metal Chemistry, 2013, 38, 191-197.	0.7	27
76	Methylene spacer regulated variation in conformation of tetradentate N₂O₂ donor Schiff bases trapped in manganese(<scp>iii</scp>) complexes. CrystEngComm, 2018, 20, 1077-1086.	1.3	27
77	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
78	Syntheses, characterization and X-ray crystal structures of a mono- and a penta-nuclear nickel(II) complex with oximato Schiff base ligands. Inorganica Chimica Acta, 2011, 365, 25-31.	1.2	26
79	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. Polyhedron, 2017, 121, 199-205.	1.0	26
80	Synthesis and structure of mono-, di- and tri-nuclear copper(II) benzoate complexes with a tridentate N2O donor Schiff base ligand. Inorganica Chimica Acta, 2013, 396, 66-71.	1.2	25
81	Unprecedented photosensitivity of heterotrimetallic copper(<scp>ii</scp>)/sodium/mercury(<scp>ii</scp>) coordination polymer based thin film semiconductor device. New Journal of Chemistry, 2018, 42, 15295-15305.	1.4	25
82	Phenoxo-bridged dinuclear mixed valence cobalt(<scp>iii</scp>/<scp>ii</scp>) complexes with reduced Schiff base ligands: synthesis, characterization, band gap measurements and fabrication of Schottky barrier diodes. Dalton Transactions, 2021, 50, 1721-1732.	1.6	25
83	Designed synthesis of copper(II) and nickel(II) complexes with a tridentate N2O donor Schiff base: Modulation of crystalline architectures through CHâ‹¯Ï€ and anionâ‹¯Ï€ interactions. Journal of Molecular Structure, 2013, 1051, 250-258.	1.8	24
84	Two new manganese(III) complexes with salicylaldimine Schiff bases: Synthesis, structure, self-assembly and phenoxazinone synthase mimicking activity. Inorganica Chimica Acta, 2017, 457, 19-28.	1.2	24
85	Anion directed templated synthesis of mono- and di-condensed Schiff base compounds of Cu(II). Polyhedron, 2012, 44, 11-17.	1.0	23
86	Synthesis and structure of a cobalt(III) complex containing pendant Schiff base ligand: Exploration of its catechol oxidase and phenoxazinone synthase like activity. Inorganica Chimica Acta, 2018, 482, 23-33.	1.2	23
87	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
88	Synthesis, characterization, self-assembly and non-ohmic Schottky barrier diode behaviors of two iron(<scp>iii</scp>) based semiconductors with theoretical insight. CrystEngComm, 2020, 22, 5170-5181.	1.3	23
89	Copper(II) complexes with tridentate N2O donor Schiff bases: Modulation of crystalline architectures through supramolecular interactions. Polyhedron, 2014, 67, 181-190.	1.0	22
90	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

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91	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‹¯Ï€ interactions. Polyhedron, 2014, 78, 94-103.	1.0	21
92	Spontaneous resolution of P and M helical copper(<scp>ii</scp>) MOFs built from achiral precursors. RSC Advances, 2015, 5, 18252-18257.	1.7	21
93	A polynuclear and two dinuclear copper(II) Schiff base complexes: Synthesis, characterization, self-assembly, magnetic property and DFT study. Polyhedron, 2017, 137, 332-346.	1.0	21
94	Methylene spacer regulated variation in molecular and crystalline architectures of cobalt(<scp>iii</scp>) complexes with reduced Schiff base ligands: a combined experimental and theoretical study. Dalton Transactions, 2019, 48, 11433-11447.	1.6	21
95	A novel polymeric copper(II) compound containing peripheral nitro oxygen bridge and Î¼-OH core: An unprecedented tetradentate bonding mode of a potentially tridentate Schiff base. Inorganic Chemistry Communication, 2012, 22, 14-17.	1.8	20
96	Hydrogen bonding induced lowering of the intra-chain metalâ€“metal distance in single end-on azide bridged one-dimensional copper(II) complexes with tridentate Schiff bases as blocking ligands. Polyhedron, 2014, 68, 346-356.	1.0	20
97	A novel method for copper(<scp>ii</scp>) mediated region-selective bromination of aromatic rings under mild conditions. RSC Advances, 2016, 6, 61214-61220.	1.7	20
98	End-on cyanate or end-to-end thiocyanate bridged dinuclear copper(<scp>ii</scp>) complexes with a tridentate Schiff base blocking ligand: synthesis, structure and magnetic studies. New Journal of Chemistry, 2018, 42, 1634-1641.	1.4	20
99	A trinuclear centrosymmetric zinc(II) Schiff base complex: Exploration of its photocatalytic and phosphatase mimicking activity. Inorganic Chemistry Communication, 2018, 98, 92-98.	1.8	20
100	DFT study on the redox behavior of two dioxovanadium(<scp>v</scp>) complexes with N₂O donor Schiff base ligands and their use in catalytic oxidation ofortho-aminophenol. New Journal of Chemistry, 2019, 43, 18747-18759.	1.4	20
101	Synthesis and characterisation of ammonium mediated assembly of two neutral nickel(II) Schiff base fragments. Inorganica Chimica Acta, 2011, 378, 303-306.	1.2	19
102	A dinuclear and a 1D zigzag chain of copper(II) complexes with N 2 O donor Schiff base ligand and psuedohalides (azide and dicyanamide): Studies on catecholase-like activity. Inorganica Chimica Acta, 2015, 430, 24-29.	1.2	19
103	Synthesis, structure, catechol oxidase and phenoxazinone synthase mimicking activity of a manganese(III) Schiff base complex [Mn(HL)2(CH3OH)2][Mn(HL)2(N3)2]. Polyhedron, 2018, 141, 198-207.	1.0	19
104	Photosensitive Schottky barrier diode behavior of a semiconducting Co(<scp>iii</scp>)â€“Na complex with a compartmental Schiff base ligand. RSC Advances, 2019, 9, 34710-34719.	1.7	19
105	Stabilization of two conformers via intra- or inter-molecular hydrogen bonds in a dinuclear vanadium(<scp>v</scp>) complex with a pendant Schiff base: theoretical insight. RSC Advances, 2019, 9, 35165-35175.	1.7	19
106	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. Polyhedron, 2020, 187, 114639.	1.0	19
107	A theoretical insight on the rigid hydrogen-bonded network in the solid state structure of two zinc(<scp>ii</scp>) complexes and their strong fluorescence behaviors. CrystEngComm, 2020, 22, 3005-3019.	1.3	19
108	Unique in situ reduction of copper(ii) forming an interesting photoluminescent stair-polymer of copper(i) with a Cu2S2 core. Dalton Transactions, 2012, 41, 10145.	1.6	18

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109	Synthesis, Characterization, DFT Study, Catechol Oxidase and Phenoxazinone Synthase Like Activities of Two New Manganese(IV) Schiff Base Complexes. ChemistrySelect, 2017, 2, 2975-2984.	0.7	18
110	Accidental Orthogonality Induced Weak Magnetic Coupling in a Dinuclear Copper(II) Complex: Exploration of Unconventional Câ€Hâ‹…â‹…â‹…Ï€(SCN) Interactions and Catechol Oxidase Activity. ChemistrySelect, 2017, 2, 6535-6543.	0.7	18
111	Photocatalytic ability of two hetero-tetranuclear complexes with CuO2Cd cores to degrade methylene blue: Influence of their structures on activity. Polyhedron, 2019, 170, 253-263.	1.0	18
112	Analysis of energies of halogen and hydrogen bonding interactions in the solid state structures of vanadyl Schiff base complexes. RSC Advances, 2019, 9, 4789-4796.	1.7	18
113	Synthesis and characterization of a double oximato bridged dimeric copper(II) complex and its use in oxidative dimerisation of o-aminophenol. Polyhedron, 2020, 175, 114164.	1.0	18
114	Phenoxazinone synthase mimicking activity of a dinuclear copper(II) complex with a half salen type Schiff base ligand. Polyhedron, 2020, 178, 114311.	1.0	18
115	Field-induced single molecule magnet behavior of a dinuclear cobalt(<scp>ii</scp>) complex: a combined experimental and theoretical study. Dalton Transactions, 2020, 49, 16778-16790.	1.6	18
116	Exploration of Brâ‹¯O halogen bonding interactions in dinuclear vanadium(V) complexes with Schiff base ligands. Polyhedron, 2020, 187, 114676.	1.0	18
117	Syntheses and characterizations of square planar nickel(II) complexes with pendant ligands: Examples of bi-dentate bonding modes of potentially tri- and tetra-dentate Schiff bases. Polyhedron, 2013, 65, 229-237.	1.0	17
118	1-Amino-4-hydroxy-9,10-anthraquinone â€“ An analogue of anthracycline anticancer drugs, interacts with DNA and induces apoptosis in human MDA-MB-231 breast adinocarcinoma cells: Evaluation of structureâ€“activity relationship using computational, spectroscopic and biochemical studies. Biochemistry and Biophysics Reports, 2015, 4, 312-323.	0.7	17
119	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. Polyhedron, 2015, 101, 257-269.	1.0	17
120	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. Inorganica Chimica Acta, 2015, 427, 155-161.	1.2	17
121	Synthesis, characterization and photocatalytic activity of a dinuclear thiocyanate bridged cadmium(II) Schiff base complex. Polyhedron, 2017, 127, 471-477.	1.0	17
122	Importance of chelateâ€“chelate stacking interactions in crystal structures of square pyramidal copper(II) complexes with two distinct chelating bidentate ligands. Inorganica Chimica Acta, 2016, 442, 16-23.	1.2	16
123	Importance of Câ€“Hâ‹¯Ï€ interactions in stabilizing the syn/anti arrangement of pendant alkoxy side arms in two manganese(<scp>iv</scp>) Schiff base complexes: exploration of catechol oxidase and phenoxazinone synthase like activities. New Journal of Chemistry, 2017, 41, 8053-8065.	1.4	16
124	Suitable Interplay between Various Conventional and Unconventional Nonâ€Covalent Interactions in Forming Selfâ€Assembled Supramolecules of Two Ni(II)/Zn(II) Schiff Base Complexes. ChemistrySelect, 2017, 2, 7880-7887.	0.7	16
125	A Combined Experimental and Theoretical Study to Explore the Importance of Ïƒâ€Hole Carbon Bonding Interactions in Stabilizing Molecular Assemblies. ChemistrySelect, 2017, 2, 10586-10594.	0.7	16
126	Synthesis and characterization of three hetero-dinuclear complexes with CuO 2 M cores (Mâ€¯=â€¯Na, Hg): Exploration of their phenoxazinone synthase mimicking activity. Polyhedron, 2018, 150, 28-34.	1.0	16

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127	A mixed phenoxo and end-on azide bridged dinuclear copper(<scp>ii</scp>) Schiff base complex: synthesis, structure, magnetic characterization and DFT study. New Journal of Chemistry, 2018, 42, 13512-13519.	1.4	16
128	A benzoate bridged dinuclear mixed valence cobalt(III/II) complex with CoIIIO4CoII core: Synthesis, structure and investigation of its phenoxazinone synthase mimicking activity. Polyhedron, 2020, 177, 114290.	1.0	16
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