Pravat Ghorai

List of Publications by Citations

19 papers	308 citations	11 h-index	17 g-index
20 ext. papers	396 ext. citations	3.5 avg, IF	3.73 L-index

#	Paper	IF	Citations
19	Syntheses of Zn(II) and Cu(II) Schiff base complexes using N,O donor Schiff base ligand: Crystal structure, DNA binding, DNA cleavage, docking and DFT study. *Polyhedron*, **2018**, 141, 153-163	2.7	36
18	Cd(II) Based Coordination Polymer Series: Fascinating Structures, Efficient Semiconductors, and Promising Nitro Aromatic Sensing. *Crystal Growth and Design*, **2019**, 19, 6431-6447	3.5	34
17	The development of a promising photosensitive Schottky barrier diode using a novel Cd(ii) based coordination polymer. *Dalton Transactions*, **2017**, 46, 13531-13543	4.3	33
16	2-hydroxy-5-methylisophthalaldehyde based fluorescent-colorimetric chemosensor for dual detection of Zn2+ and Cu2+ with high sensitivity and application in live cell imaging. *Journal of Luminescence*, **2019**, 205, 14-22	3.8	27
15	Syntheses, crystal structures, DNA binding, DNA cleavage, molecular docking and DFT study of Cu(II) complexes involving N2O4 donor azo Schiff base ligands. *New Journal of Chemistry*, **2018**, 42, 246-259	3.6	25
14	The development of two fluorescent chemosensors for the selective detection of Zn and Al ions in a quinoline platform by tuning the substituents in the receptor part: elucidation of the structures of the metal-bound chemosensors and biological studies. *Dalton Transactions*, **2020**, 49, 4758-4773	4.3	24
13	An aminoquinoline based biocompatible fluorescent and colourimetric pH sensor designed for cancer cell discrimination. *New Journal of Chemistry*, **2018**, 42, 19818-19826	3.6	22
12	Mono- and di-nuclear nickel(II) complexes derived from NNO donor ligands: syntheses, crystal structures and magnetic studies of dinuclear analogues. *RSC Advances*, **2016**, 6, 36020-36030	3.7	21
11	Design and synthesis of a novel fluorescent-colorimetric chemosensor for selective detection of Zn(II) and Cu(II) ions with applications in live cell imaging and molecular logic gate. *Journal of Luminescence*, **2019**, 205, 197-209	3.8	17
10	Anion-reliant structural versatility of novel cadmium(II) complexes: Synthesis, crystal structures, photoluminescence properties and exploration of unusual O⋯S chalcogen bonding involving thiocyanate coligand. *Inorganica Chimica Acta*, **2018**, 469, 189-196	2.7	14
9	Development of Rhodamine 6G-Based Fluorescent Chemosensors for Al-Ion Detection: Effect of Ring Strain and Substituent in Enhancing Its Sensing Performance. *ACS Omega*, **2020**, 5, 145-157	3.9	13
8	Azido and thiocyanato bridged dinuclear Ni(II) complexes involving 8-aminoquinoline based Schiff base as blocking ligands: Crystal structures, ferromagnetic properties and magneto-structural correlations. *Polyhedron*, **2020**, 188, 114708	2.7	9
7	A rare flattened tetrahedral Mn(II) salen type complex: Synthesis, crystal structure, biomimetic catalysis and DFT study. *Inorganica Chimica Acta*, **2020**, 499, 119176	2.7	9
6	Multifunctional Ni(II)-Based Metamagnetic Coordination Polymers for Electronic Device Fabrication. *Inorganic Chemistry*, **2020**, 59, 8749-8761	5.1	7
5	Synthesis of Multinuclear Zn(II) Complexes Involving 8-Aminoquinoline- Based Schiff-Base Ligand: Structural Diversity, DNA Binding Studies and Theoretical Calculations.. *ChemistrySelect*, **2018**, 3, 7697-7706	1.8	5
4	Syntheses, crystal structures, DNA binding, DNA cleavage and DFT study of Co(III) complexes involving azo-appended Schiff base ligands. *New Journal of Chemistry*, **2018**, 42, 16571-16582	3.6	5
3	Experimental and computational investigations of the photosensitive Schottky barrier diode property of an azobenzene based small organic molecule. *New Journal of Chemistry*, **2018**, 42, 13430-13441	3.6	4

2	Proton controlled synthesis of two dicopper(II) complexes and their magnetic and biomimetic catalytic studies together with probing the binding mode of the substrate to the metal center. *Dalton Transactions*, **2021**, 50, 15233-15247	4.3	2
1	A comparative study of noncovalent interactions in various Ni-compounds containing nitrogen heteroaromatic ligands and pseudohalides: A combined experimental and theoretical studies. *Inorganica Chimica Acta*, **2022**, 531, 120702	2.7	