

# Pravat Ghorai

## 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.

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	A comparative study of noncovalent interactions in various Ni-compounds containing nitrogen heteroaromatic ligands and pseudohalides: A combined experimental and theoretical studies. <i>Inorganica Chimica Acta</i> , <b>2022</b> , 531, 120702	2.7	
18	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. <i>Dalton Transactions</i> , <b>2021</b> , 50, 15233-15247	4.3	2
17	Multifunctional Ni(II)-Based Metamagnetic Coordination Polymers for Electronic Device Fabrication. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8749-8761	5.1	7
16	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. <i>Dalton Transactions</i> , <b>2020</b> , 49, 4758-4773	4.3	24
15	Development of Rhodamine 6G-Based Fluorescent Chemosensors for Al-Ion Detection: Effect of Ring Strain and Substituent in Enhancing Its Sensing Performance. <i>ACS Omega</i> , <b>2020</b> , 5, 145-157	3.9	13
14	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. <i>Polyhedron</i> , <b>2020</b> , 188, 114708	2.7	9
13	A rare flattened tetrahedral Mn(II) salen type complex: Synthesis, crystal structure, biomimetic catalysis and DFT study. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 499, 119176	2.7	9
12	Cd(II) Based Coordination Polymer Series: Fascinating Structures, Efficient Semiconductors, and Promising Nitro Aromatic Sensing. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 6431-6447	3.5	34
11	2-hydroxy-5-methylisophthalaldehyde based fluorescent-colorimetric chemosensor for dual detection of Zn <sup>2+</sup> and Cu <sup>2+</sup> with high sensitivity and application in live cell imaging. <i>Journal of Luminescence</i> , <b>2019</b> , 205, 14-22	3.8	27
10	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. <i>Journal of Luminescence</i> , <b>2019</b> , 205, 197-209	3.8	17
9	Anion-reliant structural versatility of novel cadmium(II) complexes: Synthesis, crystal structures, photoluminescence properties and exploration of unusual O <sub>3</sub> S chalcogen bonding involving thiocyanate coligand. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 469, 189-196	2.7	14
8	Synthesis of Multinuclear Zn(II) Complexes Involving 8-Aminoquinoline- Based Schiff-Base Ligand: Structural Diversity, DNA Binding Studies and Theoretical Calculations.. <i>ChemistrySelect</i> , <b>2018</b> , 3, 7697-7706	1.8	5
7	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. <i>Polyhedron</i> , <b>2018</b> , 141, 153-163	2.7	36
6	Syntheses, crystal structures, DNA binding, DNA cleavage, molecular docking and DFT study of Cu(II) complexes involving N <sub>2</sub> O <sub>4</sub> donor azo Schiff base ligands. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 246-259	3.6	25
5	An aminoquinoline based biocompatible fluorescent and colourimetric pH sensor designed for cancer cell discrimination. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 19818-19826	3.6	22
4	Syntheses, crystal structures, DNA binding, DNA cleavage and DFT study of Co(III) complexes involving azo-appended Schiff base ligands. <i>New Journal of Chemistry</i> , <b>2018</b> , 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. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 13430-13441	2.6	4

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| 2 | The development of a promising photosensitive Schottky barrier diode using a novel Cd(ii) based coordination polymer. <i>Dalton Transactions</i> , <b>2017</b> , 46, 13531-13543                        | 4-3 | 33 |
| 1 | Mono- and di-nuclear nickel(II) complexes derived from NNO donor ligands: syntheses, crystal structures and magnetic studies of dinuclear analogues. <i>RSC Advances</i> , <b>2016</b> , 6, 36020-36030 | 3-7 | 21 |