

Pravat Ghorai

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

494
citations

687220

13
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794469

19
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all docs

20
docs citations

20
times ranked

629
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2018, 141, 153-163.	1.0	55
2	Cd(II) Based Coordination Polymer Series: Fascinating Structures, Efficient Semiconductors, and Promising Nitro Aromatic Sensing. <i>Crystal Growth and Design</i> , 2019, 19, 6431-6447.	1.4	53
3	The development of a promising photosensitive Schottky barrier diode using a novel Cd(II) based coordination polymer. <i>Dalton Transactions</i> , 2017, 46, 13531-13543.	1.6	49
4	The development of two fluorescent chemosensors for the selective detection of Zn ²⁺ and Al ³⁺ 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> , 2020, 49, 4758-4773.	1.6	41
5	2-hydroxy-5-methylisophthalaldehyde based fluorescent-colorimetric chemosensor for dual detection of Zn ²⁺ and Cu ²⁺ with high sensitivity and application in live cell imaging. <i>Journal of Luminescence</i> , 2019, 205, 14-22.	1.5	38
6	Syntheses, crystal structures, DNA binding, DNA cleavage, molecular docking and DFT study of Cu(II) complexes involving N ₂ O ₄ donor azo Schiff base ligands. <i>New Journal of Chemistry</i> , 2018, 42, 246-259.	1.4	33
7	An aminoquinoline based biocompatible fluorescent and colourimetric pH sensor designed for cancer cell discrimination. <i>New Journal of Chemistry</i> , 2018, 42, 19818-19826.	1.4	33
8	Development of Rhodamine 6G-Based Fluorescent Chemosensors for Al ³⁺ -Ion Detection: Effect of Ring Strain and Substituent in Enhancing Its Sensing Performance. <i>ACS Omega</i> , 2020, 5, 145-157.	1.6	30
9	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> , 2016, 6, 36020-36030.	1.7	28
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> , 2019, 205, 197-209.	1.5	27
11	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> , 2020, 188, 114708.	1.0	22
12	Anion-reliant structural versatility of novel cadmium(II) complexes: Synthesis, crystal structures, photoluminescence properties and exploration of unusual O \cdots S chalcogen bonding involving thiocyanate coligand. <i>Inorganica Chimica Acta</i> , 2018, 469, 189-196.	1.2	20
13	A rare flattened tetrahedral Mn(II) salen type complex: Synthesis, crystal structure, biomimetic catalysis and DFT study. <i>Inorganica Chimica Acta</i> , 2020, 499, 119176.	1.2	17
14	Multifunctional Ni(II)-Based Metamagnetic Coordination Polymers for Electronic Device Fabrication. <i>Inorganic Chemistry</i> , 2020, 59, 8749-8761.	1.9	12
15	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> , 2021, 50, 15233-15247.	1.6	9
16	Experimental and computational investigations of the photosensitive Schottky barrier diode property of an azobenzene based small organic molecule. <i>New Journal of Chemistry</i> , 2018, 42, 13430-13441.	1.4	8
17	Synthesis of Multinuclear Zn(II) Complexes Involving 8-Aminoquinoline-Based Schiff Base Ligand: Structural Diversity, DNA Binding Studies and Theoretical Calculations.. <i>ChemistrySelect</i> , 2018, 3, 7697-7706.	0.7	8
18	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> , 2018, 42, 16571-16582.	1.4	6

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19	Aza-Crown-Based Macrocyclic Probe Design for α -PET-off α -Multi-Cu ²⁺ Responsive and α -CHEF-on α -Multi-Zn ²⁺ Sensor: Application in Biological Cell Imaging and Theoretical Studies. <i>Inorganic Chemistry</i> , 2022, 61, 1982-1996.	1.9	5
20	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> , 2022, 531, 120702.	1.2	0