

Amrita Saha

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.

29
papers

541
citations

14
h-index

22
g-index

30
ext. papers

652
ext. citations

3.3
avg, IF

4.14
L-index

#	Paper	IF	Citations
29	A novel triple aqua-, phenoxo- and carboxylato-bridged dinickel(II) complex, its magnetic properties, and comparative biomimetic catalytic studies with analogous dinickel(II) complexes. <i>New Journal of Chemistry</i> , 2021 , 45, 7602-7613	3.6	3
28	Multifunctional Ni(II)-Based Metamagnetic Coordination Polymers for Electronic Device Fabrication. <i>Inorganic Chemistry</i> , 2020 , 59, 8749-8761	5.1	7
27	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> , 2020 , 49, 4758-4773	4.3	24
26	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> , 2020 , 5, 145-157	3.9	13
25	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	2.7	9
24	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	2.7	9
23	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	3.5	34
22	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	3.8	27
21	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	3.8	17
20	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	2.7	14
19	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	1.8	5
18	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	2.7	36
17	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	3.6	25
16	An aminoquinoline based biocompatible fluorescent and colourimetric pH sensor designed for cancer cell discrimination. <i>New Journal of Chemistry</i> , 2018 , 42, 19818-19826	3.6	22
15	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	3.6	5
14	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	2.6	4
13	Synthesis and characterization of a novel dicyanamide-bridged Co(II) 1-D coordination polymer with a N ₄ -donor Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2017 , 464, 65-73	2.7	7

12	Nuclearity versus oxidation state in the catalytic efficiency of MnII/III azo Schiff base complexes: computational study on supramolecular interactions and phenoxazinone synthase-like activity. <i>New Journal of Chemistry</i> , 2017 , 41, 11607-11618	3.6	10
11	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	4.3	33
10	A new end-on (1,1) azido bridged [Zn ₂ (L) ₂ (Na) ₃] _n 1D chain derived from a trinuclear zinc complex: syntheses, crystal structures, photoluminescence properties and DFT study. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 3092-3106	1.6	8
9	[RuIII(EDTA)(H ₂ O)] ⁺ mediated oxidation of cellular thiols by HSO ₅ ⁻ . <i>New Journal of Chemistry</i> , 2016 , 40, 9380-9384	3.6	1
8	A robust fluorescent chemosensor for aluminium ion detection based on a Schiff base ligand with an azo arm and application in a molecular logic gate. <i>RSC Advances</i> , 2016 , 6, 101924-101936	3.7	27
7	Oxidation of captopril by hydrogen peroxide and peroxomonosulfate ion catalyzed by a ruthenium(III) complex: kinetic and mechanistic studies. <i>Transition Metal Chemistry</i> , 2016 , 41, 279-286	2.1	2
6	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	3.7	21
5	Anion-dependent structural diversity of cadmium(II) complexes: synthesis, crystal structures, luminescence properties, and unusual C-H... π supramolecular interactions involving π -aromatic M ₂ X ₂ cores. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 1188-1205	1.6	6
4	Exploration of unconventional π -hole and C-H...H π types of supramolecular interactions in a trinuclear Cd(II) and a heteronuclear Cd(II)/Ni(II) complex and experimental evidence for preferential site selection of the ligand by 3d and 4d metal ions. <i>RSC Advances</i> , 2016 , 6, 39376-39386	3.7	12
3	A highly selective fluorescent sensor for zinc ion based on quinoline platform with potential applications for cell imaging studies. <i>Polyhedron</i> , 2015 , 94, 75-82	2.7	45
2	Methylene bridge regulated geometrical preferences of ligands in cobalt(III) coordination chemistry and phenoxazinone synthase mimicking activity. <i>Dalton Transactions</i> , 2014 , 43, 5443-52	4.3	77
1	Influence of anionic co-ligands on the structural diversity and catecholase activity of copper(II) complexes with 2-methoxy-6-(8-iminoquinolinylmethyl)phenol. <i>RSC Advances</i> , 2014 , 4, 53520-53530	3.7	37