

Mukesh Choudhary

List of Publications by Year in descending order

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36
papers

605
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622
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterisation, optical and nonlinear optical properties of thiazole and benzothiazole derivatives: a dual approach. <i>Molecular Simulation</i> , 2018, 44, 1191-1199.	2.0	62
2	Copper(II) complexes as superoxide dismutase mimics: Synthesis, characterization, crystal structure and bioactivity of copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2009, 362, 4891-4898.	2.4	56
3	A dual approach to study the key features of nickel (II) and copper (II) coordination complexes: Synthesis, crystal structure, optical and nonlinear properties. <i>Inorganica Chimica Acta</i> , 2019, 484, 148-159.	2.4	39
4	Syntheses, characterizations, crystal structures and efficient NLO applications of new organic compounds bearing 2-methoxy-4-nitrobenzeneamine moiety and copper (II) complex of (E)-N'-(3,4,5-trimethoxyphenyl)-2-nitrobenzylamine. <i>Journal of Molecular Structure</i> , 2018, 1164, 137-154.	3.6	35
5	Synthesis, structure and biological activities of mixed ligand copper(II) and nickel(II) complexes of $N\alpha\epsilon^{2-}(1E)-[(5\text{-bromo-2-hydroxyphenyl})\text{methylidene}]\text{benzoylhydrazone}$. <i>Inorganica Chimica Acta</i> , 2012, 392, 283-291.	2.4	35
6	Syntheses, spectroscopic characterization, SOD-like properties and antibacterial activities of dimer copper (II) and nickel (II) complexes based on imine ligands containing 2-aminothiophenol moiety: X-ray crystal structure determination of disulfide Schiff bases. <i>Journal of Molecular Structure</i> , 2018, 1164, 137-154.	3.6	35
7	Synthesis, crystal structure, computational study and anti-virus effect of mixed ligand copper (II) complex with ONS donor Schiff base and 1, 10-phenanthroline. <i>Journal of Molecular Structure</i> , 2021, 1246, 131246.	3.6	31
8	Spectral, structural, and superoxide dismutase activity of some octahedral nickel(II) complexes with tri-tetradentate ligands. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3648-3661.	2.2	24
9	Synthesis, electrochemical, structural, spectroscopic and biological activities of mixed ligand copper (II) complexes with 2-[(Z)-(5-bromo-2-hydroxyphenyl)methylidene]amino}benzoic acid and nitrogenous bases. <i>Journal of Molecular Structure</i> , 2014, 1060, 197-207.	3.6	23
10	Synthesis, crystal structures, molecular docking and urease inhibition studies of Ni(II) and Cu(II) Schiff base complexes. <i>Journal of Molecular Structure</i> , 2018, 1156, 1-11.	3.6	23
11	Syntheses, characterization, superoxide dismutase, antimicrobial, crystal structure and molecular studies of copper (II) and nickel (II) complexes with 2-((E)-(2, 4-dibromophenylimino)) N,N' -bis(2-aminophenyl)ethane-1,2-diamine. <i>Journal of Molecular Structure</i> , 2018, 1156, 1-11.	3.6	23
12	Syntheses, structures and electrochemical properties of complexes of nickel(II) with triethylenetetramine and bidentate nitrogen donor co-ligands. <i>Transition Metal Chemistry</i> , 2008, 33, 733-738.	1.4	19
13	Synthesis, characterizations, crystal structures, and theoretical studies of copper(II) and nickel(II) coordination complexes. <i>Journal of Coordination Chemistry</i> , 2020, 73, 1256-1279.	2.2	17
14	An experimental and computational study of pyrimidine based bis-uracil derivatives as efficient candidates for optical, nonlinear optical, and drug discovery applications. <i>Synthetic Communications</i> , 2020, 50, 2199-2225.	2.1	17
15	Synthesis, structural characterization, superoxide dismutase and antimicrobial activities studies of copper (II) complexes with 2-(E)-(2-(2-aminoethylamino) methyl)-4-bromophenol and (19E, 27E)-N1, N2-bis(phenyl (pyridine-2-yl)-methylene)-ethane-1, 2-diamine as ligands. <i>Journal of Molecular Structure</i> , 2014, 1070, 94-105.	3.6	16
16	Synthesis and characterization of novel copper(II) complexes as potential drug candidates against SARS-CoV-2 main protease. <i>New Journal of Chemistry</i> , 2022, 46, 4911-4926.	2.8	16
17	Syntheses, characterizations, crystal structures, antibacterial and SOD-like activities of nickel(II) and copper(II) complexes with 2-((Z)-(4-methoxyphenylimino)methyl)-4,6-dichlorophenol. <i>Journal of Coordination Chemistry</i> , 2018, 71, 284-310.	2.2	15
18	Synthesis of Copper(II) Coordination Complex, Its Molecular Docking and Computational Exploration for Novel Functional Properties: A Dual Approach. <i>ChemistrySelect</i> , 2021, 6, 738-745.	1.5	15

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19	Synthesis, characterization, crystal structures, and superoxide dismutase activity of copper(II) octahedral complexes containing tri- and monodentate ligands. <i>Journal of Coordination Chemistry</i> , 2010, 63, 586-599.	2.2	12
20	Syntheses, crystal structures, antioxidant SOD-like properties and in-vitro antimicrobial studies of Cu(II) and Ni (II) complexes with 2-((E)-(4-bromo-2-chlorophenylimino) methyl)-6-bromo-4-nitrophenol and (E)-1-(3, 5-dichloro-2-hydroxybenzylidene)-4, 4-dimethylthiosemicarbazide. <i>Journal of Molecular Structure</i> , 2018, 1171, 94-109.	3.6	12
21	Copper(II) and Nickel(II) Complexes of Tridentate Hydrazide and Schiff Base Ligands Containing Phenyl and Naphthalyl Groups: Synthesis, Structural, Molecular Docking and Density Functional Study. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4426-4440.	3.7	12
22	Design, synthesis and characterization of novel Ni(II) and Cu(II) complexes as antivirus drug candidates against SARS-CoV-2 and HIV virus. <i>Journal of Molecular Structure</i> , 2022, 1263, 133114.	3.6	11
23	Synthesis, characterization, crystal structure, superoxide dismutase and biological activities of nickel (II) complexes with bidentate ligands possessing N and O donor atoms. <i>Journal of Molecular Structure</i> , 2017, 1149, 183-195.	3.6	10
24	Structural and theoretical investigations, Hirshfeld surface analysis and anti-SARS CoV-2 of nickel (II) coordination complex. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 402-422.	3.5	9
25	Structure-based design and synthesis of copper(II) complexes as antivirus drug candidates targeting SARS CoV-2 and HIV. <i>New Journal of Chemistry</i> , 2022, 46, 7128-7143.	2.8	8
26	Spectroscopic, structural and magnetic studies of nickel(II) complexes with tetra- and pentadentate ligands. <i>Transition Metal Chemistry</i> , 2009, 34, 239-245.	1.4	7
27	An efficient and eco-friendly synthesis, computational assay and antimicrobial evaluation of some novel diastereoselective monocyclic cis-1,2-lactams. <i>Journal of Molecular Structure</i> , 2020, 1219, 128638.	3.6	6
28	Syntheses, crystal structures, DFT, molecular docking and inhibition studies of jack bean urease by nickel (II) and copper (II) Schiff base complexes. <i>Inorganic and Nano-Metal Chemistry</i> , 2018, 48, 211-224.	1.6	4
29	Synthesis, characterizations, crystal structures, BSA-binding, molecular docking, and cytotoxic activities of nickel(II) and copper(II) coordination complexes with bidentate N,S-chelating ligand. <i>Journal of Coordination Chemistry</i> , 2019, 72, 1715-1735.	2.2	3
30	Synthesis of Antibacterial Disulfide Derivatives and its Computational Molecular Docking Against Penicillin Binding Protein. <i>Analytical Chemistry Letters</i> , 2021, 11, 618-634.	1.0	3
31	Synthesis, Electrochemical, Spectroscopic, Antimicrobial, and Superoxide Dismutase Activity of Nickel (II) Complexes with Bidentate Schiff Bases. <i>International Journal of Inorganic Chemistry</i> , 2013, 2013, 1-8.	0.6	2
32	Synthetic Aromatic Organic Compounds Bearing 4, 4-Dimethyl-3-Thiosemicarbazide Moiety: Theoretical and Experimental Approach. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1735-1757.	2.6	2
33	Copper(II) Schiff base complex derived from salen ligand: structural investigation, Hirshfeld surface analysis, anticancer and anti-SARS-CoV-2. <i>Journal of Biomolecular Structure and Dynamics</i> , 0, , 1-24.	3.5	2
34	Molecular docking, X-ray crystallography, Hirshfeld surface and computational studies of Ni(II)-((2,3-dichlorophenyl)(ethoxy)methyl)-2-methoxy-4-nitrobenzenamine. <i>Molecular Crystals and Liquid Crystals</i> , 2022, 744, 45-73.	0.9	1
35	Structural and Computational Studies of Cobalt(II) and Copper(II) Complexes with Aromatic Heterocyclic Ligand. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 3024-3050.	2.6	1
36	Exploration of Theoretical and Antioxidant Mimetic Activities of Binuclear Copper(II) and Nickel(II) Coordination Complexes. <i>Asian Journal of Chemistry</i> , 2021, 33, 2191-2202.	0.3	0