

Mukesh Choudhary

List of Publications by Year in descending order

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papers

605
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Structure-based design and synthesis of copper(II) complexes as antiviral drug candidates targeting SARS CoV-2 and HIV. <i>New Journal of Chemistry</i> , 2022, 46, 7128-7143.	2.8	8
5	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
6	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
7	Design, synthesis and characterization of novel Ni(II) and Cu(II) complexes as antiviral drug candidates against SARS-CoV-2 and HIV virus. <i>Journal of Molecular Structure</i> , 2022, 1263, 133114.	3.6	11
8	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
9	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
10	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
11	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
12	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
13	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
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	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
16	Syntheses, characterizations, crystal structures and efficient NLO applications of new organic compounds bearing 2-methoxy-4-nitrobenzenamine moiety and copper (II) complex of (E)-N'-(3, 4-dimethyl-5-nitrophenyl)-2-methoxy-4-nitrobenzenamine. <i>Journal of Molecular Structure</i> , 2020, 1219, 128638.	3.6	6
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Syntheses, characterization, superoxide dismutase, antimicrobial, crystal structure and molecular studies of copper (II) and nickel (II) complexes with 2-((E)-(2,4-dibromophenylimino)) Tj ETQq0 0 0 r gBT /Overlock 30 Tf 50 457 Td (met	3.6	16
27	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
28	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
29	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
30	Synthesis, structure and biological activities of mixed ligand copper(II) and nickel(II) complexes of Na ⁺ -(1E)-[(5-bromo-2-hydroxyphenyl)methylidene]benzoylhydrazone. <i>Inorganica Chimica Acta</i> , 2012, 392, 283-291.	2.4	35
31	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
32	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
33	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
34	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
35	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
36	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