

Mohamed Ismael

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis, biological assay, chemical descriptors, and molecular docking calculations of novel copper(II) mixed-ligand complexes of n-benzoyl-dl-phenylalanine and n-heterocyclic nitrogen bases. Journal of Molecular Structure, 2022, 1250, 131854.	3.6	7
2	Synthesis, structural elucidation, DFT calculation, biological studies and DNA interaction of some aryl hydrazone Cr ³⁺ , Fe ³⁺ , and Cu ²⁺ chelates. Computational Biology and Chemistry, 2022, 97, 107643.	2.3	66
3	Molecular docking, theoretical calculations, synthesis of Ru(III), Pd(II) and VO(II) complexes and activity determination as antibacterial and antioxidant. Polish Journal of Chemical Technology, 2022, 24, 29-38.	0.5	1
4	Synthesis, structural characterization, and biological studies of ATBSâ€“M complexes (M(II)â€“=â€“Cu, Co, Ni,) Tj ETQq0 0 0 rgBT /O e2000241.	4.1	8
5	Synthesis, characterization, molecular modeling and preliminary biochemical evaluation of new copper (II) mixed-ligand complexes. Journal of Molecular Structure, 2021, 1227, 129695.	3.6	30
6	Ni(II) mixed-ligand chelates based on 2-hydroxy-1-naphthaldehyde as antimicrobial agents: Synthesis, characterization, and molecular modeling. Journal of Molecular Liquids, 2021, 330, 115611.	4.9	30
7	Damage Evolution of Granodiorite after Heating and Cooling Treatments. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.0	13
8	Condensation of Active Methylene and Substituted Aldehydes over Mesoporous Nickel Oxides Nanostructures: A Combined Experimental and DFT Study. ChemistrySelect, 2021, 6, 9508-9512.	1.5	0
9	Tailoring, structural elucidation, DFT calculation, DNA interaction and pharmaceutical applications of some aryl hydrazone Mn(II), Cu(II) and Fe(III) complexes. Journal of Molecular Structure, 2021, 1244, 131017.	3.6	66
10	Comparative Study between Croton tiglium Seeds and Moringa oleifera Leaves Extracts, after Incorporating Silver Nanoparticles, on Murine Brains. Egyptian Journal of Chemistry, 2021, .	0.2	3
11	Remarkable facets for selective monitoring of biomolecules by morphologically tailored CuO nanostructures. Journal of Solid State Electrochemistry, 2020, 24, 237-243.	2.5	2
12	Design and synthesis of three Fe(III) mixed-ligand complexes: Exploration of their biological and phenoxazinone synthase-like activities. Inorganica Chimica Acta, 2020, 505, 119443.	2.4	50
13	Design and Synthesis of Some New Analgesic Azole Derivatives Containing Tramadol Moiety. Journal of Heterocyclic Chemistry, 2019, 56, 1055-1062.	2.6	5
14	Constitutive model for inherent anisotropic rocks: Ubiquitous joint model based on the Hoek-Brown failure criterion. Computers and Geotechnics, 2019, 105, 99-109.	4.7	42
15	Synthesis, Characterization, Modeling, and Antimicrobial Activity of Fe ^{III} , Co ^{II} , Ni ^{II} , Cu ^{II} , and Zn ^{II} Complexes Based on Triâ€“substituted Imidazole Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1203-1214.	1.2	39
16	Synthesis, characterization, DFT calculations and biological studies of Mn(II), Fe(II), Co(II) and Cd(II) complexes based on a tetradentate ONNO donor Schiff base ligand. Journal of Molecular Structure, 2017, 1134, 851-862.	3.6	154
17	Integration of Elastic Stiffness Anisotropy into Ubiquitous Joint Model. Procedia Engineering, 2017, 191, 1032-1039.	1.2	9
18	Synthesis, characterization, and biological activity of new mixed ligand transition metal complexes of glutamine, glutaric, and glutamic acid with nitrogen based ligands. Inorganic and Nano-Metal Chemistry, 2017, 47, 467-480.	1.6	48

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19	Synthesis, Characterization, Antimicrobial Evaluation and DFT Calculations of Fe(III), Ni(II) and Cu(II) Complexes of Tridentate ONO Donor Ligand. <i>Journal of Pharmaceutical and Applied Chemistry</i> , 2017, 3, 259-266.	0.2	8
20	Natural betanin dye extracted from bougainvillea flowers for the naked-eye detection of copper ions in water samples. <i>Analytical Methods</i> , 2016, 8, 4977-4982.	2.7	8
21	Empirical and Theoretical Calculations for Corrosion Inhibition of Carbon Steel C1018 in Acidic Solutions Using Some Selected Fatty Acid Surfactants. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1111-1138.	2.8	13
22	Synthesis, structure elucidation, biological screening, molecular modeling and DNA binding of some Cu(II) chelates incorporating imines derived from amino acids. <i>Journal of Molecular Structure</i> , 2016, 1103, 232-244.	3.6	118
23	Novel Schiff base amino acid as corrosion inhibitors for carbon steel in CO ₂ -saturated 3.5% NaCl solution: experimental and computational study. <i>Corrosion Reviews</i> , 2015, 33, 77-97.	2.0	51
24	Effect of Indium Alloying with Lead on the Mechanical Properties and Corrosion Resistance of Lead-Indium Alloys in Sulfuric Acid Solution. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 1995-2006.	2.2	19
25	Efficient detection and extraction of cobalt(II) from lithium ion batteries and wastewater by novel composite adsorbent. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 9-18.	7.8	155
26	Metal based pharmacologically active agents: Synthesis, structural characterization, molecular modeling, CT-DNA binding studies and in vitro antimicrobial screening of iron(II) bromosalicylidene amino acid chelates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 366-378.	3.9	176
27	Efficient gold(III) detection, separation and recovery from urban mining waste using a facial conjugate adsorbent. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 457-466.	7.8	136
28	Ultra-trace copper(II) detection and removal from wastewater using novel meso-adsorbent. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2332-2340.	5.8	191
29	Synthesis and spectroscopic studies of some chromium and molybdenum derivatives of bis-(acetylaceton)ethylenediimine ligand. <i>Journal of Molecular Structure</i> , 2013, 1049, 7-12.	3.6	13
30	Mesoporous hexagonal and cubic aluminosilica adsorbents for toxic nitroanilines from water. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3863-3876.	5.3	22
31	Trace copper(II) ions detection and removal from water using novel ligand modified composite adsorbent. <i>Chemical Engineering Journal</i> , 2013, 222, 67-76.	12.7	312
32	Optical Nanosphere Sensor Based on Shell-By-Shell Fabrication for Removal of Toxic Metals from Human Blood. <i>Advanced Healthcare Materials</i> , 2013, 2, 854-862.	7.6	50
33	Mesoporous aluminosilica sensors for the visual removal and detection of Pd(II) and Cu(II) ions. <i>Microporous and Mesoporous Materials</i> , 2013, 166, 195-205.	4.4	143
34	Mesoporous nanomagnet supercaptors for selective heme-proteins from human cells. <i>Chemical Communications</i> , 2012, 48, 10832.	4.1	24
35	Optical mesosensors for monitoring and removal of ultra-trace concentration of Zn(ii) and Cu(ii) ions from water. <i>Analyst</i> , 2012, 137, 5278.	3.5	140
36	Mesoporous NiO nanomagnets as catalysts and separators of chemical agents. <i>Applied Catalysis B: Environmental</i> , 2012, 127, 1-10.	20.2	48

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37	Mesocylindrical Aluminosilica Monolith Biocaptors for Size-Selective Macromolecule Cargos. <i>Advanced Functional Materials</i> , 2012, 22, 3013-3021.	14.9	72
38	Visual detection and revisable supermicrostructure sensor systems of Cu(II) analytes. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 253-263.	7.8	47
39	Mesoporous aluminosilica monoliths for the adsorptive removal of small organic pollutants. <i>Journal of Hazardous Materials</i> , 2012, 201-202, 23-32.	12.4	47
40	Applying ultra-accelerated quantum chemical molecular dynamics technique for the evaluation of ligand protein interactions. <i>Medicinal Chemistry Research</i> , 2010, 19, 1-10.	2.4	4
41	The effect of R249S carcinogenic and H168R-R249S suppressor mutations on p53-DNA interaction, a multi scale computational study. <i>Computers in Biology and Medicine</i> , 2010, 40, 498-508.	7.0	6
42	A DFT study on the carbamates formation through the absorption of CO ₂ by AMP. <i>International Journal of Greenhouse Gas Control</i> , 2009, 3, 612-616.	4.6	43
43	A graph theoretical approach to the effect of mutation on the flexibility of the DNA binding domain of p53 protein. <i>Chemical Papers</i> , 2009, 63, .	2.2	2
44	A DFT Study of the Heme Role in the N-Demethylation of Theophylline Mediated by Compound I of Cytochrome P450. <i>Materials Transactions</i> , 2007, 48, 730-734.	1.2	3
45	Hyperconjugation with lone pair of morpholine nitrogen stabilizes transition state for phenyl hydroxylation in CYP3A4 metabolism of (S)-N-[1-(3-morpholin-4-yl phenyl) ethyl]-3-phenylacrylamide. <i>Chemical Physics Letters</i> , 2006, 419, 523-527.	2.6	7
46	Three-dimensional quantitative structure-activity relationship (3 D-QSAR) and docking studies on (benzothiazole-2-yl) acetonitrile derivatives as c-Jun N-terminal kinase-3 (JNK3) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5917-5925.	2.2	31