

Mohamed Ismael

List of Publications by Year in descending order

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46
papers

2,462
citations

236925

25
h-index

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45
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all docs

46
docs citations

46
times ranked

1948
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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. <i>Journal of Molecular Structure</i> , 2017, 1134, 851-862.	3.6	154
6	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
7	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
8	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
9	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
10	Mesocylindrical Aluminosilica Monolith Biocaptors for Size-Selective Macromolecule Cargos. <i>Advanced Functional Materials</i> , 2012, 22, 3013-3021.	14.9	72
11	Tailoring, structural elucidation, DFT calculation, DNA interaction and pharmaceutical applications of some aryl hydrazone Mn(II), Cu(II) and Fe(III) complexes. <i>Journal of Molecular Structure</i> , 2021, 1244, 131017.	3.6	66
12	Synthesis, structural elucidation, DFT calculation, biological studies and DNA interaction of some aryl hydrazone Cr ³⁺ , Fe ³⁺ , and Cu ²⁺ chelates. <i>Computational Biology and Chemistry</i> , 2022, 97, 107643.	2.3	66
13	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
14	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
15	Design and synthesis of three Fe(III) mixed-ligand complexes: Exploration of their biological and phenoxazinone synthase-like activities. <i>Inorganica Chimica Acta</i> , 2020, 505, 119443.	2.4	50
16	Mesoporous NiO nanomagnets as catalysts and separators of chemical agents. <i>Applied Catalysis B: Environmental</i> , 2012, 127, 1-10.	20.2	48
17	Synthesis, characterization, and biological activity of new mixed ligand transition metal complexes of glutamine, glutaric, and glutamic acid with nitrogen based ligands. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 467-480.	1.6	48
18	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

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19	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
20	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
21	Constitutive model for inherent anisotropic rocks: Ubiquitous joint model based on the Hoek-Brown failure criterion. <i>Computers and Geotechnics</i> , 2019, 105, 99-109.	4.7	42
22	Synthesis, Characterization, Modeling, and Antimicrobial Activity of Fe ^{III} , Co ^{II} , Ni ^{II} , Cu ^{II} , and Zn ^{II} Complexes Based on Tri-Substituted Imidazole Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1203-1214.	1.2	39
23	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
24	Synthesis, characterization, molecular modeling and preliminary biochemical evaluation of new copper (II) mixed-ligand complexes. <i>Journal of Molecular Structure</i> , 2021, 1227, 129695.	3.6	30
25	Ni(II) mixed-ligand chelates based on 2-hydroxy-1-naphthaldehyde as antimicrobial agents: Synthesis, characterization, and molecular modeling. <i>Journal of Molecular Liquids</i> , 2021, 330, 115611.	4.9	30
26	Mesoporous nanomagnet supercaptors for selective heme-proteins from human cells. <i>Chemical Communications</i> , 2012, 48, 10832.	4.1	24
27	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
28	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
29	Synthesis and spectroscopic studies of some chromium and molybdenum derivatives of bis-(acetylacetonate)ethylenediimine ligand. <i>Journal of Molecular Structure</i> , 2013, 1049, 7-12.	3.6	13
30	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
31	Damage Evolution of Granodiorite after Heating and Cooling Treatments. <i>Minerals (Basel)</i> , 2020, 10, 13.	2.0	13
32	Integration of Elastic Stiffness Anisotropy into Ubiquitous Joint Model. <i>Procedia Engineering</i> , 2017, 191, 1032-1039.	1.2	9
33	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
34	Synthesis, structural characterization, and biological studies of ATBS-M complexes (M(II) = Cu, Co, Ni). <i>Journal of Molecular Structure</i> , 2020, 1200, 1-10.	4.1	8
35	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
36	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

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37	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. <i>Journal of Molecular Structure</i> , 2022, 1250, 131854.	3.6	7
38	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
39	Design and Synthesis of Some New Analgesic Azole Derivatives Containing Tramadol Moiety. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 1055-1062.	2.6	5
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	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
42	Comparative Study between Croton tiglium Seeds and Moringa oleifera Leaves Extracts, after Incorporating Silver Nanoparticles, on Murine Brains. <i>Egyptian Journal of Chemistry</i> , 2021, .	0.2	3
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	Remarkable facets for selective monitoring of biomolecules by morphologically tailored CuO nanostructures. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 237-243.	2.5	2
45	Molecular docking, theoretical calculations, synthesis of Ru(III), Pd(II) and VO(II) complexes and activity determination as antibacterial and antioxidant. <i>Polish Journal of Chemical Technology</i> , 2022, 24, 29-38.	0.5	1
46	Condensation of Active Methylene and Substituted Aldehydes over Mesoporous Nickel Oxides Nanostructures: A Combined Experimental and DFT Study. <i>ChemistrySelect</i> , 2021, 6, 9508-9512.	1.5	0