Mohamed

List of Publications by Year in descending order

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95 papers	1,980 citations	218592 26 h-index	315616 38 g-index
95 all docs	95 docs citations	95 times ranked	1874 citing authors

#	Article	IF	Citations
1	Evaluation of the efficiency of divalent cobalt and copper chelates based on isatin derivatives and thiosemicarbazide ligands as inhibitors for the corrosion of Sabic iron in acidic medium. Arabian Journal of Chemistry, 2022, 15, 103522.	2.3	10
2	Dual drug delivery system based on biodegradable modified poly(3-hydroxybutyrate)-NiO nanocomposite and sequential release of drugs. Polymer Bulletin, 2022, 79, 10969-10990.	1.7	3
3	Electrospun composites nanofibers from cellulose acetate/carbon black as efficient adsorbents for heavy and light machine oil from aquatic environment. Journal of the Iranian Chemical Society, 2022, 19, 3013-3027.	1.2	12
4	Design of Mn(II), Fe(III) and Ru(III) chalcone complexes: Structural elucidation, spectral, thermal and catalytic activity studies. Journal of Molecular Structure, 2021, 1224, 129283.	1.8	2
5	Structural elucidation, spectroscopic, and metallochromic studies of 2-(2-hydroxy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td evaluation. Journal of Molecular Structure, 2021, 1229, 129809.	1.8	10
6	Induction of Apoptosis by Nano-Synthesized Complexes of H2L and its Cu(II) Complex in Human Hepatocellular Carcinoma Cells. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 1151-1159.	0.9	4
7	Metal complexes of azo mesalamine drug: Synthesis, characterization, and their application as an inhibitor of pathogenic fungi. Applied Organometallic Chemistry, 2021, 35, e6290.	1.7	10
8	Co-delivery of norfloxacin and tenoxicam in Ag-TiO2/poly(lactic acid) nanohybrid. International Journal of Biological Macromolecules, 2021, 180, 771-781.	3.6	8
9	Ru(III) complexes of triazole based Schiff base and azo dye ligands: An insight into the molecular structure and catalytic role in oxidative dimerization of 2-aminophenol. Inorganic Chemistry Communication, 2021, 129, 108616.	1.8	9
10	Microhardness and Fluoride Release of Glass Ionomer Cement Modified with a Novel Al+3 Complex to Enhance Its Antimicrobial Activity. International Journal of Biomaterials, 2021, 2021, 1-12.	1.1	3
11	Synthesis and Design of Norfloxacin drug delivery system based on PLA/TiO2 nanocomposites: Antibacterial and antitumor activities. Materials Science and Engineering C, 2020, 108, 110337.	3.8	44
12	Synthesis and characterization studies of 3â€formyl chromone Schiff base complexes and their application as antitumor, antioxidant and antimicrobial. Applied Organometallic Chemistry, 2020, 34, e5348.	1.7	21
13	A comparative study of the corrosion inhibition of carbon steel in HCl solution by 1â€[(5â€mercaptoâ€1Hâ€1,2,4â€triazoleâ€3â€yl) diazenyl] naphthaleneâ€2â€ol (HL) and its manganese complex. Chemical Data Collections, 2020, 28, 100479.	1.6	10
14	Poly(3-hydroxybutyrate)/poly(amine)-coated nickel oxide nanoparticles for norfloxacin delivery: antibacterial and cytotoxicity efficiency. RSC Advances, 2020, 10, 34046-34058.	1.7	13
15	Structural, DFT/B3LYP and molecular docking studies of binuclear thiosemicarbazide Copper (II) complexes and their biological investigations. Applied Organometallic Chemistry, 2020, 34, e5800.	1.7	20
16	Synthesis, structural identification, DNA interaction and biological studies of divalent Mn, Co and Ni chelates of 3â€aminoâ€5â€mercaptoâ€1,2,4â€triazole azo ligand. Applied Organometallic Chemistry, 2020, 34, e5678.	1.7	29
17	Novel VO (IV) complexes derived from a macrochelates: Synthesis, characterization, molecular modeling and in vivo insulinâ€mimic activity studies. Applied Organometallic Chemistry, 2020, 34, e5699.	1.7	3
18	Synthesis, Structural characterization, thermal, molecular modeling and biological studies of chalcone and Cr(III), Mn(II), Cu(II) Zn(II) and Cd(II) chelates. Journal of Molecular Structure, 2020, 1221, 128742.	1.8	13

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19	New Zn (II) and Cd (II) complexes of 2,4â€dihydroxyâ€5â€[(5â€mercaptoâ€1Hâ€1,2,4â€triazoleâ€3â€yl)diazenyl]benzaldehyde: Synthesis, structural characterization, molecular modeling and docking studies, DNA binding and biological activity. Applied Organometallic Chemistry, 2020, 34, e5635.	1.7	12
20	Synthesis, spectroscopic characterization and biological evaluation of a novel chemosensor with different metal ions. Applied Organometallic Chemistry, 2019, 33, e5133.	1.7	21
21	2,4â€Dihydroxyâ€5â€[(5â€mercaptoâ€1Hâ€1,2,4â€triazoleâ€3â€yl)diazenyl]benzaldehyde acetato, chloro and nitrato Cu(II) complexes: Synthesis, structural characterization, DNA binding and anticancer and antimicrobial activity. Applied Organometallic Chemistry, 2019, 33, e4707.	1.7	45
22	Fluorescent UO 2 (II) and ZrO(II) complexes: Synthesis, structural characterization, fluorescence, DNA binding studies and biological applications in cell probing. Applied Organometallic Chemistry, 2019, 33, e4855.	1.7	2
23	Cr(III), Mn(II), Co(II), Ni(II) and Cu(II) complexes of 7-((1H-benzo[d]imidazol-2-yl)diazenyl)-5-nitroquinolin-8-ol.synthesis, thermal, spectral, electrical measurements, molecular modeling and biological activity. Journal of Molecular Structure, 2019, 1180, 318-329.	1.8	17
24	Chromone Schiff base complexes: synthesis, structural elucidation, molecular modeling, antitumor, antimicrobial, and DNA studies of Co(II), Ni(II), and Cu(II) complexes. Journal of the Iranian Chemical Society, 2019, 16, 169-182.	1.2	39
25	Synthesis, Structural Characterization, Molecular Modeling and DNA Binding Ability of CoII, NiII, CuII, ZnII, PdII and CdII Complexes of Benzocycloheptenone Thiosemicarbazone Ligand. Mini-Reviews in Medicinal Chemistry, 2019, 19, 1068-1079.	1.1	16
26	Pd (II) complexes of bidentate chalcone ligands: Synthesis, spectral, thermal, antitumor, antioxidant, antimicrobial, DFT and SAR studies. Journal of Molecular Structure, 2018, 1160, 348-359.	1.8	21
27	Poly(3-hydroxybutyrate)/polyethylene glycol-NiO nanocomposite for NOR delivery: Antibacterial activity and cytotoxic effect against cancer cell lines. International Journal of Biological Macromolecules, 2018, 114, 717-727.	3.6	26
28	Pd(II) and Pt(II) chalcone complexes. Synthesis, spectral characterization, molecular modeling, biomolecular docking, antimicrobial and antitumor activities. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 354, 163-174.	2.0	31
29	Structural, thermogravimetric, B3LYP and biological studies on some heterocyclic thiosemicarbazide copper (II) complexes and evaluation of their molecular docking. Journal of Molecular Structure, 2018, 1151, 56-72.	1.8	29
30	Synthesis, spectroscopic, thermal and molecular modeling studies of Zn 2+ , Cd 2+ and UO 2 2+ complexes of Schiff bases containing triazole moiety. Antimicrobial, anticancer, antioxidant and DNA binding studies. Materials Science and Engineering C, 2018, 83, 78-89.	3.8	68
31	Synthesis, structural characterization and molecular modelling of bidentate azo dye metal complexes: DNA interaction to antimicrobial and anticancer activities. Applied Organometallic Chemistry, 2018, 32, e4136.	1.7	45
32	Nanoâ€synthesis, characterization, modeling and molecular docking analysis of Mn (II), Co (II), Cr (III) and Cu (II) complexes with azo pyrazolone ligand as new favorable antimicrobial and antitumor agents. Applied Organometallic Chemistry, 2018, 32, e4606.	1.7	24
33	Synthesis, spectroscopic and DNA binding ability of Co II , Ni II , Cu II and Zn II complexes of Schiff base ligand (E)-1-(((1H-benzo[d]imidazol-2-yl)methylimino)methyl)naphthalen-2-ol. X-ray crystal structure determination of cobalt (II) complex. Materials Science and Engineering C, 2017, 75, 1059-1067.	3.8	44
34	Characterization and thermal studies of nanoâ€synthesized Mn(II), Co(II), Ni(II) and Cu(II) complexes with adipohydrazone ligand as new promising antimicrobial and antitumor agents. Applied Organometallic Chemistry, 2017, 31, e3885.	1.7	43
35	Submicromolar determination of praepagen HY surfactant using new liquid inner contact electrodes. Journal of Molecular Liquids, 2016, 220, 454-458.	2.3	2
36	Ni(II), Pd(II) and Pt(II) complexes of (1H-1,2,4-triazole-3-ylimino)methyl]naphthalene-2-ol. Structural, spectroscopic, biological, cytotoxicity, antioxidant and DNA binding. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 396-404.	2.0	59

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37	Synthesis, spectral, antitumor, antioxidant and antimicrobial studies on Cu(II), Ni(II) and Co(II) complexes of 4-[(1H-Benzoimidazol-2-ylimino)-methyl]-benzene-1,3-diol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 147, 117-123.	2.0	45
38	Photoinduced interaction of CdSe quantum dot with coumarins. Journal of Luminescence, 2015, 159, 26-31.	1.5	13
39	Studies on chalcone derivatives: Complex formation, thermal behavior, stability constant and antioxidant activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 423-431.	2.0	31
40	Synthesis, spectral and theoretical studies of Ni(II), Pd(II) and Pt(II) complexes of 5-mercapto-1,2,4-triazole-3-imine-2â€²-hydroxynaphyhaline. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 919-929.	2.0	35
41	Synthesis, spectral, thermal studies and electrical conductivity of Co (II) and Ni (II) complexes 3-[4-dimethylaminophenyl]-1-(2-pyridyl) prop-2-en-1-one (DMAPP). Journal of Luminescence, 2015, 157, 1-9.	1.5	6
42	Synthesis, structural, spectroscopic, biological and catalytic activity of Co(II), Ni(II) and Cu(II) complexes of benzilic hydrazide (BH). Journal of the Iranian Chemical Society, 2014, 11, 379-389.	1.2	7
43	Potentiometric Determination of Alkyl Dimethyl Hydroxyethyl Ammonium Surfactant by a New Chemically Modified Carbon Past Electrode. Journal of Surfactants and Detergents, 2014, 17, 183-190.	1.0	10
44	Synthesis, spectroscopic characterization, DNA interaction and biological activities of Mn(II), Co(II), Ni(II) and Cu(II) complexes with [(1H-1,2,4-triazole-3-ylimino)methyl]naphthalene-2-ol. Journal of Molecular Structure, 2014, 1076, 251-261.	1.8	43
45	Complex formation, thermal behavior and stability competition between Cu(II) ion and Cu0 nanoparticles with some new azo dyes. Antioxidant and in vitro cytotoxic activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 107, 359-370.	2.0	24
46	Cu(II) complexes of monobasic bi- or tridentate (NO, NNO) azo dye ligands: Synthesis, characterization, and interaction with Cu-nanoparticles. Journal of Molecular Structure, 2013, 1032, 185-194.	1.8	32
47	Electrochemical Degradation of Reactive Yellow 160 Dye in Real Wastewater Using C/PbO₂-, Pbâ€‰+â€‰Sn/PbO₂â€‰+â€‰SnO₂ and Pb/PbO₂Modified Electrodes. Journal of Chemistry, 2013, 2013, 1-9.	0.9	21
48	Synthesis, characterization, molecular modeling, and thermal analyses of bioactive Co(II) and Cu(II) complexes with diacetylmonoxime and different amines. Journal of Coordination Chemistry, 2012, 65, 1672-1684.	0.8	8
49	Determination of benzalkonium chloride preservative in pharmaceutical formulation of eye and ear drops using new potentiometric sensors. Materials Science and Engineering C, 2012, 32, 2299-2305.	3.8	28
50	Synthesis, spectral and thermal studies of Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) complex dyes based on hydroxyquinoline moiety. Journal of Thermal Analysis and Calorimetry, 2012, 109, 1397-1405.	2.0	20
51	A comparative study of solid and liquid inner contact benzalkonium chloride ion-selective electrode membranes. Talanta, 2012, 101, 211-219.	2.9	46
52	Synthesis, Spectral, Thermal and Biological Studies of Mn(II), Co(II), Ni(II) and Cu(II) Complexes with 1â€((5â€Mercaptoâ€1Hâ€1,2,4â€triazolâ€3â€yl)imino)â€methyl)naphthaleneâ€2â€ol. Chinese Journal of Chemistry, 2012, 30, 547-556.	1.5	15
53	Nanostructure-loaded mesoporous silica for controlled release of coumarin derivatives: A novel testing of the hyperthermia effect. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 66-74.	2.0	42
54	Structural and fluorescence quenching characterization of hematite nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 398-405.	2.0	58

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55	Synthesis, characterization, and theoretical studies of Co(II) and Cu(II) complexes of 1-[(5-mercapto-[1,3,4]thiadiazol-2-ylimino)-methyl]-naphthalen-2-ol and its interaction with Cu nanoparticles. Journal of Molecular Structure, 2011, 1001, 1-11.	1.8	12
56	Kinetics of catalyzed hydrolysis of 4-methylumbelliferyl caprylate (MUCAP) salmonella reagent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1540-1545.	2.0	8
57	Synthesis, Structural Characterization, and Antimicrobial Activities of Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) Complexes of Triazole-based Azodyes. Chinese Journal of Chemistry, 2011, 29, 1124-1132.	2.6	36
58	Spectral behavior study of 3-(4-dimethylamino-phenyl)-1-{6-[3-(4-dimethylamino-phenyl)-acryloyl]-pyridin-2-yl}-propanone. Optics and Laser Technology, 2011, 43, 592-598.	2.2	7
59	Photophysical and Complexation Behavior of (4â€Dimethylaminoâ€benzylidene)â€(4,6â€dimethylâ€pyrimidinâ€2â€yl)â€amine. Chinese Journal of Chemistry, 2010, 28, 514-520.	2.0	3
60	Spectral behavior and laser activity of 3-(4â€²-dimethylaminophenyl)-1-(1H-pyrrol-2-yl) prop-2-en-1-one (DMAPrP). A new laser dye. Optics and Laser Technology, 2010, 42, 397-402.	2.2	3
61	Synthesis, spectral, thermal and theoretical studies of Cu(II) complexes with 3-[4â€²-dimethylaminophenyl]-1-(2-pyridyl)prop-2-en-1-one (DMAPP). Journal of Molecular Structure, 2009, 922, 51-57.	1.8	19
62	Photophysical parameters and laser performance of 3-(4â€²-dimethylaminophenyl)-1-(2-furanyl)prop-2-en-1-one (DMAFP): A new laser dye. Optics and Laser Technology, 2009, 41, 727-733.	2.2	15
63	Fluorescence Enhancement of Coumarin Thiourea Derivatives by Hg²⁺, Ag⁺, and Silver Nanoparticles. Journal of Physical Chemistry A, 2009, 113, 9474-9484.	1.1	51
64	Spectral and thermal studies of new Co(II) and Ni(II) hexaaza and octaaza macrocyclic complexes. Journal of Thermal Analysis and Calorimetry, 2008, 91, 957-962.	2.0	12
65	Spectral and thermal studies of 4-(1H-pyrazolo {3,4-d} pyrimidin-4-ylazo) benzene-1,3-diol complexes of cobalt(II), nickel(II) and copper(II). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 534-541.	2.0	27
66	Photophysical properties, excitation energy transfer and laser activity of 3-(4â€²-dimethylaminophenyl)-1-(2-pyridinyl) prop-2-en-1-one (DMAPP). Journal of Photochemistry and Photobiology A: Chemistry, 2008, 195, 89-98.	2.0	39
67	Spectral properties and inclusion of 3-(4â€²-dimethylaminophenyl)-1-(2-furanyl)prop-2-en-1-one in organized media of micellar solutions, Î²-cyclodextrin and viscous medium. Colloids and Surfaces B: Biointerfaces, 2008, 66, 103-109.	2.5	8
68	Photophysical properties, laser activity and photoreactivity of a heteroaryl chalcone. Optics and Laser Technology, 2008, 40, 528-537.	2.2	50
69	Synthesis and characterization of Co(II), Ni(II) and Cu(II) complexes involving hydroxy antipyrine azodyes. Journal of Molecular Structure, 2008, 875, 322-328.	1.8	26
70	Spectral properties and inclusion of a hetero-chalcone analogue in organized media of micellar solutions and beta-cyclodextrin. Photochemical and Photobiological Sciences, 2008, 7, 257-262.	1.6	27
71	Spectroscopic studies of 4-(4,6-dimethylpyrimidin-2-ylazo) benzene-1,3-diol and its Cu(II) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 169-175.	2.0	21
72	Spectrophotometric, conductometric and thermal studies of Co(II), Ni(II) and Cu(II) complexes with 2-(2-hydroxynaphthylazo)-4-hydroxy-6-methyl-1,3-pyrimidine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 305-311.	2.0	12

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73	Spectrophotometric and electrical studies of charge transfer complexes of 2-amino-1,3,4-thiadiazole with Ï€-acceptors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 526-531.	2.0	47
74	Synthesis, spectral and thermal studies of Co(II), Ni(II) and Cu(II) complexes 1-(4,6-dimethyl-pyrimidin-2-ylazo)-naphthalen-2-ol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 694-702.	2.0	34
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91	Thermochemical and electrical properties of Zincon complexes with Mg(II), Ca(II), Sr(II), Ba(II) and Bi(III). Thermochimica Acta, 1991, 186, 89-95.	1.2	6
92	Thermal stability of di-?-oxo-bridged binuclear and tetranuclear manganese(IV) complexes. Transition Metal Chemistry, 1990, 15, 465-467.	0.7	9
93	Studies of Ti(IV) and Zr(IV) chelates with N2O2; Schiff bases of 2-hydroxy-1-naphthaldehyde with aromatic diamines. Thermochimica Acta, 1989, 155, 309-316.	1.2	23
94	Synthesis and properties of the binuclear vanadium(III) and oxovanadium(IV) chelates with tetradentate schiff bases. Polyhedron, 1988, 7, 2635-2640.	1.0	20
95	Characterization, theoretical computation, DNAâ€binding, molecular docking, antibacterial and antioxidant activities of new metal complexes of (E)â€1â€(1Hâ€1,2,4â€triazolâ€3â€yl)diazenyl)naphthalenâ€2â€ol. Applied Organometallic Chemistry, 0, , .	3.7	5