

Mohamed A Zayed

List of Publications by Year in descending order

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61
papers

1,175
citations

361045

20
h-index

414034

32
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63
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63
docs citations

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times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization, antimicrobial, and docking study of novel 1-(furanyl)-3-(pyrrolyl)propanone-based ligand and its chelates of 3d-transition metal ions. Applied Organometallic Chemistry, 2022, 36, e6489.	1.7	4
2	Fabrication of Hybrid Materials Based on Waste Polyethylene/Porous Activated Metakaolinite Nanocomposite as an Efficient Membrane for Heavy Metal Desalination Processes. Adsorption Science and Technology, 2021, 2021, 1-15.	1.5	3
3	Nanofibrous μ -polycaprolactone scaffolds containing Ag-doped magnetite nanoparticles: Physicochemical characterization and biological testing for wound dressing applications in vitro and in vivo. Bioactive Materials, 2021, 6, 2070-2088.	8.6	50
4	Catalytic Efficient Electro-oxidation Degradation of DO26 Textile Dye via UV/VIS, COD, and GC/MS Evaluation of By-products. Electrocatalysis, 2021, 12, 731.	1.5	3
5	Direct orange 26 dye environmental degradation: experimental studies (UV, mass, and thermal) in comparison with computational exploration hydrogen bonding analysis of TD-DFT calculations. Journal of Molecular Modeling, 2021, 27, 325.	0.8	1
6	Enhanced Nanofiltration Process of Thin Film Composite Membrane Using Dodecyl Phenol Ethoxylate and Oleic Acid Ethoxylate for Oilfield Calcite Scale Control. Membranes, 2021, 11, 855.	1.4	4
7	A highly sensitive, selective and renewable carbon paste electrode based on a unique acyclic diamide ionophore for the potentiometric determination of lead ions in polluted water samples. RSC Advances, 2020, 10, 17552-17560.	1.7	20
8	Synthesis, Physicochemical Characterization, and Cytotoxic Activity of p-Methoxyphenyl and p-Fluorophenyl Maleanilic Acid Ligands and Their Corresponding Organometallic Chelates of Chromium Group. Journal of Transition Metal Complexes, 2020, 3, 1-9.	0.5	1
9	Synthesis and applications of CaCO ₃ /HPC core-shell composite subject to heavy metals adsorption processes. Heliyon, 2019, 5, e02215.	1.4	24
10	Phosphate adsorption from aqueous solutions using novel Zn Fe/Si MCM-41 magnetic nanocomposite: characterization and adsorption studies. Nanotechnology for Environmental Engineering, 2019, 4, 1.	2.0	10
11	Novel Triazole Thiole ligand and some of its metal chelates: Synthesis, structure characterization, thermal behavior in comparison with computational calculations and biological activities. Computational Biology and Chemistry, 2019, 78, 260-272.	1.1	16
12	Spectroscopic Investigation of Para-Methyl and Para-Methoxy Maleanilic Acids in Comparison with Thermal Analyses and Theoretical Calculations and Evaluation of Cytotoxicity Against Carcinoma Cells. Egyptian Journal of Chemistry, 2019, .	0.1	1
13	Synthesis, structural characterization, density functional theory (B3LYP) calculations, thermal behaviour, docking and antimicrobial activity of 4-amino-5-(heptadecyl)-1,2,4-triazole-3-thiol and its metal chelates. Applied Organometallic Chemistry, 2018, 32, e4535.	1.7	22
14	Coordination behaviour and biological activity studies involving theoretical docking of bis-Schiff base ligand and some of its transition metal complexes. Applied Organometallic Chemistry, 2018, 32, e4603.	1.7	22
15	Experimental and theoretical spectroscopic studies in relation to molecular structure investigation of para chloro, para fluoro and para nitro maleanilic acids. Computational Biology and Chemistry, 2018, 76, 338-356.	1.1	1
16	Structure Studies of the Prepared Novel Hydrazone Schiff's Base Complexes Using Spectroscopic, Thermal Analyses and Their Biological Activities. Journal of Transition Metal Complexes, 2018, 1, 1-10.	0.5	1
17	Synthesis of novel macrocyclic Schiff's base and its complexes having N ₂ O ₂ group of donor atoms. Characterization and anticancer screening are studied. Applied Organometallic Chemistry, 2017, 31, e3694.	1.7	40
18	Fabrication of chemically and in situ modified carbon paste electrodes for the potentiometric determination of chlorpromazine HCl in pure pharmaceutical preparations, urine and serum. New Journal of Chemistry, 2017, 41, 15612-15624.	1.4	14

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19	Nanoparticles Decorated on Resin Particles and Their Flame Retardancy Behavior for Polymer Composites. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-8.	1.5	6
20	Analytical Characterization of Hematite / Magnetite Ferrofluid Nanocomposites for Hyperthermia Purposes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2899-2916.	0.8	12
21	Synthesis of novel Schiffâ€™s bases of highly potential biological activities and their structure investigation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 143, 81-90.	2.0	48
22	Structure characterization of terazosin drug using mass spectrometry and thermal analyses techniques in comparison with semi-empirical molecular orbital (MO) calculations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1061-1069.	2.0	5
23	Preparation and characterization of biologically active novel copper ion-pairs of nonsteroidal anti-inflammatory drugs (NSAIDs). <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 959-972.	2.0	2
24	Structure investigation of three hydrazones Schiffâ€™s bases by spectroscopic, thermal and molecular orbital calculations and their biological activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 49-57.	2.0	7
25	Preparation and structure investigation of novel Schiff bases using spectroscopic, thermal analyses and molecular orbital calculations and studying their biological activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 155-164.	2.0	28
26	Thermal and spectroscopic investigation of novel Schiff base, its metal complexes, and their biological activities. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 391-400.	2.0	32
27	Synthesis, characterization and application of enrofloxacin complexes as thermal stabilizers for rigid poly(vinyl chloride). <i>Dalton Transactions</i> , 2012, 41, 1824-1831.	1.6	17
28	Enhancement of stabilizing properties of double-base propellants using nano-scale inorganic compounds. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 274-279.	6.5	32
29	Spectrophotometric studies of reactions between pseudo-ephedrine with different inorganic and organic reagents and its micro-determination in pure and in pharmaceutical preparations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 88, 156-161.	2.0	1
30	Thermal and mass spectral characterization of novel azo dyes of p-acetoamidophenol in comparison with Hammett substituent effects and molecular orbital calculations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 763-776.	2.0	12
31	Investigation of ibuprofen drug using mass spectrometry, thermal analyses, and semi-empirical molecular orbital calculation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 315-322.	2.0	26
32	Synthesis, structural characterization and antimicrobial activity evaluation of metal complexes of sparfloxacin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 414-423.	2.0	33
33	Synthesis, structure investigation, spectral characteristics and biological activities of some novel azodyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1027-1036.	2.0	7
34	Spectroscopic study of structure of diphenhydramine drug and its products obtained via reactions with tetracyanoethylene and iodine reagents and applications. <i>Drug Testing and Analysis</i> , 2010, 2, 55-69.	1.6	4
35	Mass spectra of gliclazide drug at various ion sources temperature. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 305-312.	2.0	9
36	Stability studies of double-base propellants with centralite and malonanilide stabilizers using MO calculations in comparison to thermal studies. <i>Journal of Hazardous Materials</i> , 2010, 179, 453-461.	6.5	28

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37	Stability of Nonisothermally Treated Double-Base Propellants Containing Different Stabilizers in Comparison with Molecular Orbital Calculations. <i>Propellants, Explosives, Pyrotechnics</i> , 2010, 35, 468-476.	1.0	12
38	Spectroscopic study of molecular structures of novel Schiff base derived from o-phthaldehyde and 2-aminophenol and its coordination compounds together with their biological activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 833-840.	2.0	173
39	Biological potential study of metal complexes of sulphonylurea glibenclamide on the house fly, <i>Musca domestica</i> (Diptera: Muscidae): Preparation, spectroscopic and thermal characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 635-641.	2.0	13
40	Spectroscopic study of the reaction mechanism of buspirone interaction with iodine and tetracyanoethylene reagents and its applications. <i>Drug Testing and Analysis</i> , 2009, 1, 267-274.	1.6	4
41	Mass spectrometric investigation of buspirone drug in comparison with thermal analyses and MO-calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 522-530.	2.0	17
42	Structure investigation of sertraline drug and its iodine product using mass spectrometry, thermal analyses and MO-calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 970-978.	2.0	7
43	Synthesis and thermal characterization of new ternary chelates of piroxicam and tenoxicam with glycine and dl-phenylalanine and some transition metals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 216-232.	2.0	32
44	Structure investigation of codeine drug using mass spectrometry, thermal analyses and semi-empirical molecular orbital (MO) calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 363-371.	2.0	19
45	Investigation of diazepam drug using thermal analyses, mass spectrometry and semi-empirical MO calculation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 799-805.	2.0	24
46	The use of IR, magnetism, reflectance, and mass spectra together with thermal analyses in structure investigation of codeine phosphate complexes of d-block elements. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 1955-1964.	2.0	10
47	Synthesis and structure investigation of the antibiotic amoxicillin complexes of d-block elements. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2231-2238.	2.0	31
48	Spectrophotometric study of the reaction mechanism between DDQ and iodine acceptors and chloroquine and pyrimethamine drugs and their determination in pure and in dosage forms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 461-465.	2.0	25
49	Study of some phenolic-iodine redox polymeric products by thermal analyses and mass spectrometry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 82, 137-142.	2.0	13
50	Two Spectrophotometric Assays for Dopamine Derivatives in Pharmaceutical Products and in Biological Samples of Schizophrenic Patients Using Copper Tetramine Complex and Tri-iodide Reagent. <i>Journal of Biomedicine and Biotechnology</i> , 2005, 2005, 1-9.	3.0	18
51	IR, UV-Vis, magnetic and thermal characterization of chelates of some catecholamines and 4-aminoantipyrine with Fe(III) and Cu(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 1775-1781.	2.0	37
52	Synthesis, characterization and electronic spectra of cefadroxil complexes of d-block elements. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 2215-2224.	2.0	19
53	Structure investigation, spectral, thermal, X-ray and mass characterization of piroxicam and its metal complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 2843-2852.	2.0	49
54	Thermal and kinetic studies on solid complexes of 2-(2-benzimidazolylazo)-4-acetamidophenol with some transition metals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 3167-3178.	2.0	31

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55	2,6-Dichloroquinone chlorimide and 7,7,8,8-tetracyanoquinodimethane reagents for the spectrophotometric determination of salbutamol in pure and dosage forms. Journal of Pharmaceutical and Biomedical Analysis, 2002, 28, 1127-1133.	1.4	47
56	Title is missing!. Magyar AprÃ³vadás KÃ¶zlemÃ©nyek, 2002, 67, 163-175.	1.4	12
57	Evaluation of malonanilides as new stabilizers for double-base propellants. (I). Journal of Hazardous Materials, 2000, 73, 237-244.	6.5	19
58	Investigation of Novel Organometallics by Thermal Spectroscopic Methods. Magyar AprÃ³vadás KÃ¶zlemÃ©nyek, 2000, 61, 897-908.	1.4	5
59	Preparation, Chemical Characterization and Electronic Spectra of 6-(2-Pyridylazo)-3-Acetamidophenol and Its Metal Complexes. Spectroscopy Letters, 2000, 33, 821-832.	0.5	9
60	Title is missing!. Magyar AprÃ³vadás KÃ¶zlemÃ©nyek, 1999, 55, 205-212.	1.4	2
61	Comparison between thermal analysis and mass spectroscopic studies of uranyl oxinates. Journal of Theoretical Biology, 1997, 50, 487-498.	0.8	4