

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
g-index

63
all docs

63
docs citations

63
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Nanofibrous μ -polycaprolactone scaffolds containing Ag-doped magnetite nanoparticles: Physicochemical characterization and biological testing for wound dressing applications in vitro and in vivo. <i>Bioactive Materials</i> , 2021, 6, 2070-2088.	8.6	50
3	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
4	Synthesis of novel Schiff'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
5	2,6-Dichloroquinone chlorimide and 7,7,8,8-tetracyanoquinodimethane reagents for the spectrophotometric determination of salbutamol in pure and dosage forms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 28, 1127-1133.	1.4	47
6	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. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3694.	1.7	40
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Spectrophotometric study of the reaction mechanism between DDQ \hat{I} - and iodine $\hat{I}f$ -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
18	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

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19	Synthesis and applications of CaCO ₃ /HPC core-shell composite subject to heavy metals adsorption processes. <i>Heliyon</i> , 2019, 5, e02215.	1.4	24
20	Coordination behaviour and biological activity studies involving theoretical docking of bis-Schiff base ligand and some of its transition metal complexes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4603.	1.7	22
21	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. <i>RSC Advances</i> , 2020, 10, 17552-17560.	1.7	20
22	Evaluation of malonanilides as new stabilizers for double-base propellants. (I). <i>Journal of Hazardous Materials</i> , 2000, 73, 237-244.	6.5	19
23	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
24	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
25	Synthesis, structural characterization, density functional theory (B3LYP) calculations, thermal behaviour, docking and antimicrobial activity of 4-amino-1,2,4-triazole-3-thiol and its metal chelates. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4535.	3.0	18
26	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
27	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
28	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
29	Novel Triazole Thiole ligand and some of its metal chelates: Synthesis, structure characterization, thermal behavior in comparison with computational calculations and biological activities. <i>Computational Biology and Chemistry</i> , 2019, 78, 260-272.	1.1	16
30	Fabrication of chemically and in situ modified carbon paste electrodes for the potentiometric determination of chlorpromazine HCl in pure pharmaceutical preparations, urine and serum. <i>New Journal of Chemistry</i> , 2017, 41, 15612-15624.	1.4	14
31	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
32	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
33	Title is missing!. <i>Magyar Árvizsgáló és Kémiai Közlemények</i> , 2002, 67, 163-175.	1.4	12
34	Stability of Non-isothermally 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
35	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
36	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

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37	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
38	Phosphate adsorption from aqueous solutions using novel Zn Fe/Si MCM-41 magnetic nanocomposite: characterization and adsorption studies. <i>Nanotechnology for Environmental Engineering</i> , 2019, 4, 1.	2.0	10
39	Preparation, Chemical Characterization and Electronic Spectra of 6-(2-Pyridylazo)-3-Acetamidophenol and Its Metal Complexes. <i>Spectroscopy Letters</i> , 2000, 33, 821-832.	0.5	9
40	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
41	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
42	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
43	Structure investigation of three hydrazones Schiff'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
44	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
45	Investigation of Novel Organometallics by Thermal Spectroscopic Methods. <i>Magyar Árvad Kémlemeznyek</i> , 2000, 61, 897-908.	1.4	5
46	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
47	Comparison between thermal analysis and mass spectroscopic studies of uranyl oxinates. <i>Journal of Theoretical Biology</i> , 1997, 50, 487-498.	0.8	4
48	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
49	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
50	Synthesis, characterization, antimicrobial, and docking study of novel (furanyl)-(pyrrolyl)propenone-based ligand and its chelates of 3d-transition metal ions. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6489.	1.7	4
51	Enhanced Nanofiltration Process of Thin Film Composite Membrane Using Dodecyl Phenol Ethoxylate and Oleic Acid Ethoxylate for Oilfield Calcite Scale Control. <i>Membranes</i> , 2021, 11, 855.	1.4	4
52	Fabrication of Hybrid Materials Based on Waste Polyethylene/Porous Activated Metakaolinite Nanocomposite as an Efficient Membrane for Heavy Metal Desalination Processes. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-15.	1.5	3
53	Catalytic Efficient Electro-oxidation Degradation of DO26 Textile Dye via UV/VIS, COD, and GC/MS Evaluation of By-products. <i>Electrocatalysis</i> , 2021, 12, 731.	1.5	3
54	Title is missing!. <i>Magyar Árvad Kémlemeznyek</i> , 1999, 55, 205-212.	1.4	2

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55	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
56	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
57	Experimental and theoretical spectroscopic studies in relation to molecular structure investigation of para chloro, para fluoro and para nitro maleanilinic acids. <i>Computational Biology and Chemistry</i> , 2018, 76, 338-356.	1.1	1
58	Direct orange 26 dye environmental degradation: experimental studies (UV, mass, and thermal) in comparison with computational exploration hydrogen bonding analysis of TD-DFT calculations. <i>Journal of Molecular Modeling</i> , 2021, 27, 325.	0.8	1
59	Structure Studies of the Prepared Novel Hydrazone Schiff's Base Complexes Using Spectroscopic, Thermal Analyses and Their Biological Activities. <i>Journal of Transition Metal Complexes</i> , 2018, 1, 1-10.	0.5	1
60	Spectroscopic Investigation of Para-Methyl and Para-Methoxy Maleanilinic Acids in Comparison with Thermal Analyses and Theoretical Calculations and Evaluation of Cytotoxicity Against Carcinoma Cells. <i>Egyptian Journal of Chemistry</i> , 2019, .	0.1	1
61	Synthesis, Physicochemical Characterization, and Cytotoxic Activity of p-Methoxyphenyl and p-Fluorophenyl Maleanilic Acid Ligands and Their Corresponding Organometallic Chelates of Chromium Group. <i>Journal of Transition Metal Complexes</i> , 2020, 3, 1-9.	0.5	1