

Lotf Ali Saghatforoush

List of Publications by Year in descending order

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60
papers

1,091
citations

430874

18
h-index

434195

31
g-index

60
all docs

60
docs citations

60
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, spectroscopic characterization and antibacterial activity of new cobalt(II) complexes of unsymmetrical tetradentate (OSN2) Schiff base ligands. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 4490-4495.	5.5	72
2	Polystyrene-graphene oxide modified glassy carbon electrode as a new class of polymeric nanosensors for electrochemical determination of histamine. <i>Chinese Chemical Letters</i> , 2014, 25, 655-658.	9.0	62
3	Cobalt hydroxide nanoparticles modified glassy carbon electrode as a biosensor for electrooxidation and determination of some amino acids. <i>Analytical Biochemistry</i> , 2009, 389, 130-137.	2.4	57
4	A unique and facile preparation of lanthanum ferrite nanoparticles in emulsion nanoreactors: Morphology, structure, and efficient photocatalysis. <i>Materials Science in Semiconductor Processing</i> , 2014, 25, 301-306.	4.0	56
5	Electrochemical behavior of atenolol, carvedilol and propranolol on copper-oxide nanoparticles. <i>Electrochimica Acta</i> , 2011, 58, 336-347.	5.2	53
6	Characterization and optical properties of spherical WO ₃ nanoparticles synthesized via the reverse microemulsion process and their photocatalytic behavior. <i>Materials Letters</i> , 2014, 133, 208-211.	2.6	53
7	Preparation of a new electrochemical sensor based on iron (III) complexes modified carbon paste electrode for simultaneous determination of mefenamic acid and indomethacin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 91-97.	5.0	48
8	Non-aggregated divanadium pentoxide nanoparticles: A one-step facile synthesis. Morphological, structural, compositional, optical properties and photocatalytic activities. <i>Chemical Engineering Journal</i> , 2014, 236, 82-90.	12.7	47
9	Deposition of new thia-containing Schiff-base iron (III) complexes onto carbon nanotube-modified glassy carbon electrodes as a biosensor for electrooxidation and determination of amino acids. <i>Electrochimica Acta</i> , 2011, 56, 1051-1061.	5.2	43
10	Ni(OH) ₂ and NiO Nanostructures: Synthesis, Characterization and Electrochemical Performance. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 2613-2618.	1.9	43
11	Kinetic study of electrocatalytic oxidation of carbohydrates on cobalt hydroxide modified glassy carbon electrode. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 141-151.	0.6	36
12	A New Kinetic-Mechanistic Approach to Elucidate Formaldehyde Electrooxidation on Copper Electrode. <i>Electroanalysis</i> , 2010, 22, 168-176.	2.9	36
13	Electro-oxidation of ascorbic acid catalyzed on cobalt hydroxide-modified glassy carbon electrode. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 581-593.	0.8	35
14	Iron(III) Schiff base complexes with asymmetric tetradentate ligands: synthesis, spectroscopy, and antimicrobial properties. <i>Transition Metal Chemistry</i> , 2009, 34, 899-904.	1.4	35
15	Solvothermal synthesis of Cd(OH) ₂ and CdO nanocrystals and application as a new electrochemical sensor for simultaneous determination of norfloxacin and lomefloxacin. <i>Superlattices and Microstructures</i> , 2012, 52, 885-893.	3.1	35
16	Hydrothermal and sonochemical synthesis of a nano-sized nickel(II) Schiff base complex as a precursor for nano-sized nickel(II) oxide; spectroscopic, catalytic and antibacterial properties. <i>Transition Metal Chemistry</i> , 2010, 35, 903-910.	1.4	31
17	Theoretical and experimental investigation of anticancer activities of an acyclic and symmetrical compartmental Schiff base ligand and its Co(II), Cu(II) and Zn(II) complexes. <i>RSC Advances</i> , 2018, 8, 35625-35639.	3.6	24
18	Solvothermal synthesis and characterization of Fe ₃ O ₄ nanodiscs and Mn ₃ O ₄ nanoparticles with 1,10-phenanthroline. <i>Superlattices and Microstructures</i> , 2012, 52, 92-98.	3.1	19

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19	One-pot synthesis of stable phosphonium ylides using 2-mercaptopyrimidine derivatives. <i>Journal of Sulfur Chemistry</i> , 2006, 27, 583-588.	2.0	18
20	Electrocatalytic oxidation of selected parabens on zinc hydroxide nanoparticles. <i>Catalysis Communications</i> , 2012, 19, 10-16.	3.3	18
21	The molecular and supramolecular structures of three new lead(II) complexes with the pincer-type ligand 4-chloro-2,6-terpyridine (TpyCl). <i>Journal of Molecular Structure</i> , 2009, 938, 277-282.	3.6	17
22	Mononuclear, tetranuclear and polymeric cadmium(II) complexes with the 3,6-bis(2-pyridyl)-1,2,4,5-tetrazine ligand: Synthesis, crystal structure, spectroscopic and DFT studies. <i>Polyhedron</i> , 2016, 119, 160-174.	2.2	17
23	One-dimensional mercury(II) halide coordination polymers of 3,6-bis(2-pyridyl)-1,2,4,5-tetrazine ligand: Synthesis, crystal structure, spectroscopic and DFT studies. <i>Journal of Solid State Chemistry</i> , 2016, 233, 311-319.	2.9	16
24	Effective anticancer activities of an acyclic symmetrical compartmental Schiff base ligand and its Co(II), Cu(II) and Zn(II) complexes against the human leukemia cell line K562. <i>Polyhedron</i> , 2019, 170, 312-324.	2.2	16
25	X-ray crystal structural and spectral studies of copper(II) and nickel(II) complexes of functionalized bis(thiosemicarbazone) ligands and investigation of their electrochemical behavior. <i>Inorganica Chimica Acta</i> , 2019, 484, 527-534.	2.4	13
26	Catalyst-free synthesis of 3-(alkylamino)-2-arylimidazo[1,2-a]pyridine-8-carboxylic acids via a three-component condensation. <i>Tetrahedron Letters</i> , 2014, 55, 3052-3054.	1.4	12
27	Structural, spectral and theoretical study of the coordination of 3,6-bis(2-pyridyl)tetrazine ligand with zinc(II) and mercury(II). <i>Inorganica Chimica Acta</i> , 2018, 483, 392-401.	2.4	12
28	Three Lead(II) Complexes in One Coordination Polymer, [Pb(TpyCl)Cl] ₂ [PbCl ₃](CH ₃ OH). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1523-1526.	1.2	11
29	Synthesis, spectroscopy, thermal behavior, and X-ray crystal structure of two lead(II) complexes with 4-(4-tolyl)-2,6-terpyridine (ttpy). <i>Journal of Coordination Chemistry</i> , 2011, 64, 4421-4433.	2.2	10
30	Synthesis, characterization and electrochemical properties of Co ₃ O ₄ nanostructures by using cobalt hydroxide as a precursor. <i>Research on Chemical Intermediates</i> , 2015, 41, 4361-4372.	2.7	10
31	Synthesis and characterization of three new fluorovanadate complexes: N(C ₂ H ₅) ₄ [VOF ₄] ⁻ , N(CH ₃) ₄ [VOF ₃ Cl] ⁻ , N(C ₄ H ₉) ₄ [VOF ₃ Br] ⁻ and theoretical calculations of VOF ₄ ⁻ , VOF ₃ Cl ⁻ and VOF ₃ Br ⁻ ions. <i>Journal of Fluorine Chemistry</i> , 2008, 129, 674-679.	1.7	9
32	Aqueous Solution Synthesis of Plate-Like Cd(OH) ₂ Nanostructures and Their Conversion to CdO Nanoparticles. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 1285-1290.	0.6	9
33	Zn-mesoporous metal-organic framework incorporated with copper ions modified glassy carbon electrode: Electrocatalytic oxidation and determination of amoxicillin. <i>Microchemical Journal</i> , 2021, 164, 106011.	4.5	9
34	Synthesis, X-ray crystal structure, optical properties and DFT studies of a new 2D layered iodide bridged Pb(II) coordination polymer with 2,3-bis(2-pyridyl)pyrazine. <i>Journal of Solid State Chemistry</i> , 2015, 221, 433-440.	2.9	8
35	Effect of temperature on the intrinsic viscosity of poly(ethylene glycol) in water/dimethyl sulfoxide solutions. <i>Journal of Molecular Liquids</i> , 2011, 161, 153-157.	4.9	7
36	Synthesis of cadmium complexes of 4-chloro-terpyridine: From discrete dimer to 1D chain polymer, crystal structure and antibacterial activity. <i>Journal of Chemical Sciences</i> , 2012, 124, 577-585.	1.5	7

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37	Simple template-free solution route for the synthesis of Cu(OH) ₂ and CuO nanostructures and application for electrochemical determination three <i>Å</i> -blockers. Journal of Experimental Nanoscience, 2014, 9, 763-775.	2.4	7
38	Cadmium(II) complexes of 4- <i>tert</i> -butyl-2,2',6'-terpyridine: synthesis, structures, and antibacterial activities. Journal of Coordination Chemistry, 2011, 64, 2186-2201.	2.2	6
39	Synthesis, crystal structure, and biological activity of 4-chloro-2,2',6'-terpyridine (Cltpy) as tridentate ligand in a Cd(II) complex. Journal of Coordination Chemistry, 2011, 64, 3311-3322.	2.2	6
40	Synthesis and X-ray crystal structures of three new terpyridine-based Pb(II) complexes, cytotoxicity studies of {[Pb(tpy)(1/4-AcO)] ₂ }(SCN) ₂ . Journal of Coordination Chemistry, 2014, 67, 1463-1477.	2.2	6
41	Electro-oxidation of Cyclohexanol on a Copper Electrode Modified by Copper-dimethylglyoxime Complex Formed by Electrochemical Synthesis. Bulletin of the Korean Chemical Society, 2009, 30, 2943-2948.	1.9	6
42	Stereoselective synthesis of helical dihydrodipyrrolophenanthroline and hindrance hexa <i>tert</i> -butyl carboxylatodipyrrolophenanthroline from reaction between 1,10-phenanthroline and dialkyl acetylenedicarboxylates. Journal of Heterocyclic Chemistry, 2008, 45, 289-293.	2.6	5
43	Effect of PEG6000 on the morphology the ² -Ni(OH) ₂ nanostructures: solvothermal synthesis, characterization, and formation mechanism. Research on Chemical Intermediates, 2015, 41, 2071-2079.	2.7	5
44	A thioridazine hydrochloride electrochemical sensor based on zeolitic imidazolate framework-67-functionalized bio-mobile crystalline material-41 carbon quantum dots. New Journal of Chemistry, 2021, 45, 14739-14750.	2.8	5
45	Synthesis, characterization, crystal structure, and biological studies of two new Cd (II) complexes with 4'-(4-chlorophenyl)-2,2':6',2''-terpyridine (Cltpy). Acta Chimica Slovenica, 2013, 60, 300-9.	0.6	5
46	Kinetic Study of the Electro-catalytic Oxidation of Acetaldehyde on Copper Electrode. Journal of the Chinese Chemical Society, 2009, 56, 554-560.	1.4	4
47	New Platinum(II) Complex Containing Asymmetric Tetra Dentate Schiff Base Ligand Synthesis, Characterization and DFT Calculation. E-Journal of Chemistry, 2012, 9, 2114-2118.	0.5	4
48	Preparation and Characterization of Nickel Oxide Nanostructures via Solid State Thermal Decomposition Approach. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 466-470.	0.6	4
49	Application of Multivariate Calibration Techniques to Simultaneous Spectrophotometric Determination of Copper and Iron Using 1-(2-Pyridylazo)-2-naphthol in AOT Micellar Solution. Chinese Journal of Chemistry, 2008, 26, 952-956.	4.9	3
50	One-Pot Synthesis of Dialkyl 2-(Alkyl or Tj ETQqO O 0 rgBT /Overlock 10 Tf 50 227 Td (aryl)-6-(pyrimidin-2-ylthio)-4-thioxo-5,6-dihydro-4H-Pyridine-2-thione Derivatives via a Four-Component Reaction. Journal of Heterocyclic Chemistry, 2013, 50, 1391-1394.	2.6	3
51	Synthesis and Characterization of ² -Co(OH) ₂ , CuO and ZnO Nanostructures by Solvothermal Method without Any Additive. Journal of the Chinese Chemical Society, 2013, 60, 339-344.	1.4	3
52	Efficient synthesis and development of novel hydrazones with potent diverse activities. Research on Chemical Intermediates, 2015, 41, 631-636.	2.7	3
53	Formation of 1D coordination polymers by reaction of a tetrazine ligand and PbX ₂ (X: Br, I) salts: Spectral, structural and theoretical studies. Polyhedron, 2021, 208, 115440.	2.2	3
54	Synthesis, crystal structure and thermal properties of Cd(II) and Hg(II) terpyridine based compounds. Main Group Chemistry, 2014, 13, 29-39.	0.8	2

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55	Synthesis, crystal structures and anionic effect on the formation of Cd(II) complexes of 4-(4-Methylphenyl)-2,6,2'-terpyridine ligand. <i>Main Group Chemistry</i> , 2015, 14, 115-125.	0.8	2
56	A High Performance Route for the Synthesis of Dihydropyrrolo[1,2-f]phenanthridine Scaffolds by using a One-pot Four-component Reaction. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 734-737.	2.6	2
57	INVESTIGATION OF THE BINDING ABILITY OF A NEW THIOSEMICARBAZONE-BASED LIGAND AND ITS Zn(II) COMPLEX TOWARD PROTEINS AND DNA: SPECTRAL, STRUCTURAL, THEORETICAL, AND DOCKING STUDIES. <i>Journal of Structural Chemistry</i> , 2021, 62, 748-761.	1.0	2
58	Crystal structure, luminescence properties and biological studies of a novel polymeric cadmium(II) compound: [Cd(Clptpy)(NCS)(NO ₃) _n]. <i>Main Group Chemistry</i> , 2013, 12, 349-360.	0.8	1
59	Three-Dimensional Supramolecular Network Directed by Intermolecular Interactions in [Pb ₂ (dmp) ₂ (hfacac) ₄]. <i>E-Journal of Chemistry</i> , 2009, 6, 1085-1090.	0.5	0
60	Synthesis and Characterization of Two Copper (II) Complexes of 4-tolyl-2,6,2'-terpyridine and Simultaneous Detection and Separation of [Cu(ttpy)(NO ₃) ₂] and CuO by Capillary Zone Electrophoresis Method. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 597-604.	0.6	0