

# 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	A thionidazine hydrochloride electrochemical sensor based on zeolitic imidazolate framework-67-functionalized bio-mobile crystalline material-41 carbon quantum dots. <i>New Journal of Chemistry</i> , 2021, 45, 14739-14750.	2.8	5
2	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
3	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
4	Formation of 1D coordination polymers by reaction of a tetrazine ligand and PbX <sub>2</sub> (X: Br, I) salts: Spectral, structural and theoretical studies. <i>Polyhedron</i> , 2021, 208, 115440.	2.2	3
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Synthesis, crystal structures and anionic effect on the formation of Cd(II) complexes of 4-(4-Methylphenyl)-2,6-terpyridine ligand. <i>Main Group Chemistry</i> , 2015, 14, 115-125.	0.8	2
13	Synthesis and Characterization of Two Copper (II) Complexes of 4-tolyl-2,6-terpyridine and Simultaneous Detection and Separation of [Cu(ttpy)(NO <sub>3</sub> ) <sub>2</sub> ] 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
14	Effect of PEG6000 on the morphology the Ni(OH) <sub>2</sub> nanostructures: solvothermal synthesis, characterization, and formation mechanism. <i>Research on Chemical Intermediates</i> , 2015, 41, 2071-2079.	2.7	5
15	Efficient synthesis and development of novel hydrazones with potent diverse activities. <i>Research on Chemical Intermediates</i> , 2015, 41, 631-636.	2.7	3
16	Synthesis, characterization and electrochemical properties of Co <sub>3</sub> O <sub>4</sub> nanostructures by using cobalt hydroxide as a precursor. <i>Research on Chemical Intermediates</i> , 2015, 41, 4361-4372.	2.7	10
17	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
18	Simple template-free solution route for the synthesis of Cu(OH) <sub>2</sub> and CuO nanostructures and application for electrochemical determination three-blockers. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 763-775.	2.4	7

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19	Synthesis, crystal structure and thermal properties of Cd(II) and Hg(II) terpyridine based compounds. <i>Main Group Chemistry</i> , 2014, 13, 29-39.	0.8	2
20	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
21	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
22	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
23	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
24	Characterization and optical properties of spherical WO <sub>3</sub> nanoparticles synthesized via the reverse microemulsion process and their photocatalytic behavior. <i>Materials Letters</i> , 2014, 133, 208-211.	2.6	53
25	Synthesis and X-ray crystal structures of three new terpyridine-based Pb(II) complexes, cytotoxicity studies of {[Pb(tpy)(1/4-AcO)] <sub>2</sub> }(SCN) <sub>2</sub> . <i>Journal of Coordination Chemistry</i> , 2014, 67, 1463-1477.	2.2	6
26	One-Pot Synthesis of Dialkyl 2-(Alkyl or Tj ETQqO O rgBT /Overlock 10 Tf 50 467 Td (aryl)-6-(pyrimidin-2-ylthio)-4-thioxo-5,6-dihydro-4H-1,2,4-triazole-3-thione-5-thiolate) Four-Component Reaction. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 1391-1394.	2.6	3
27	Synthesis and Characterization of ZnO, CuO and ZnO Nanostructures by Solvothermal Method without Any Additive. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 339-344.	1.4	3
28	Preparation and Characterization of Nickel Oxide Nanostructures via Solid State Thermal Decomposition Approach. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2013, 43, 466-470.	0.6	4
29	Crystal structure, luminescence properties and biological studies of a novel polymeric cadmium(II) compound: [Cd(Clptpy)(NCS)(NO <sub>3</sub> ) <sub>n</sub> ]. <i>Main Group Chemistry</i> , 2013, 12, 349-360.	0.8	1
30	Synthesis, characterization, crystal structure, and biological studies of two new Cd (II) complexes with 4'-(4-chlorophenyl)-2,2':6',2''-terpyridine (Clptpy). <i>Acta Chimica Slovenica</i> , 2013, 60, 300-9.	0.6	5
31	Aqueous Solution Synthesis of Plate-Like Cd(OH) <sub>2</sub> 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
32	Solvothermal synthesis of Cd(OH) <sub>2</sub> 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
33	New Platinum(II) Complex Containing Asymmetric Tetra Dentate Schiff Base Ligand Synthesis, Characterization and DFT Calculation. <i>E-Journal of Chemistry</i> , 2012, 9, 2114-2118.	0.5	4
34	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
35	Electrocatalytic oxidation of selected parabens on zinc hydroxide nanoparticles. <i>Catalysis Communications</i> , 2012, 19, 10-16.	3.3	18
36	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

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37	Solvothermal synthesis and characterization of $\text{Fe}_2\text{O}_3$ nanodiscs and $\text{Mn}_3\text{O}_4$ nanoparticles with 1,10-phenanthroline. <i>Superlattices and Microstructures</i> , 2012, 52, 92-98.	3.1	19
38	$\text{Ni}(\text{OH})_2$ and $\text{NiO}$ Nanostructures: Synthesis, Characterization and Electrochemical Performance. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 2613-2618.	1.9	43
39	Cadmium(II) complexes of 4-(2,2,6,6-tetrapyridine): synthesis, structures, and antibacterial activities. <i>Journal of Coordination Chemistry</i> , 2011, 64, 2186-2201.	2.2	6
40	Electrochemical behavior of atenolol, carvedilol and propranolol on copper-oxide nanoparticles. <i>Electrochimica Acta</i> , 2011, 58, 336-347.	5.2	53
41	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
42	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
43	Synthesis, crystal structure, and biological activity of 4-chloro-2,2,6,6-tetrapyridine (Cltpy) as tridentate ligand in a $\text{Cd}(\text{II})$ complex. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3311-3322.	2.2	6
44	Synthesis, spectroscopy, thermal behavior, and X-ray crystal structure of two lead(II) complexes with 4-(4-tolyl)-2,2,6,6-tetrapyridine (ttpy). <i>Journal of Coordination Chemistry</i> , 2011, 64, 4421-4433.	2.2	10
45	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
46	A New Kinetic-Mechanistic Approach to Elucidate Formaldehyde Electrooxidation on Copper Electrode. <i>Electroanalysis</i> , 2010, 22, 168-176.	2.9	36
47	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
48	Three-Dimensional Supramolecular Network Directed by Intermolecular Interactions in $[\text{Pb}_2(\text{dmp})_2(\text{hfacac})_4]$ . <i>E-Journal of Chemistry</i> , 2009, 6, 1085-1090.	0.5	0
49	Kinetic Study of the Electro-Catalytic Oxidation of Acetaldehyde on Copper Electrode. <i>Journal of the Chinese Chemical Society</i> , 2009, 56, 554-560.	1.4	4
50	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
51	The molecular and supramolecular structures of three new lead(II) complexes with the pincer-type ligand 4-chloro-2,2,6,6-tetrapyridine (TpyCl). <i>Journal of Molecular Structure</i> , 2009, 938, 277-282.	3.6	17
52	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
53	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
54	Three Lead(II) Complexes in One Coordination Polymer, $[\text{Pb}(\text{TpyCl})\text{Cl}][\text{Pb}(\text{TpyCl})\text{Cl}]_2[\text{PbCl}_3](\text{CH}_3\text{OH})$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1523-1526.	1.2	11

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55	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
56	Electro-oxidation of Cyclohexanol on a Copper Electrode Modified by Copper-dimethylglyoxime Complex Formed by Electrochemical Synthesis. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 2943-2948.	1.9	6
57	Stereoselective synthesis of helical dihydrodipyrrolophenanthroline and hindrance hexa <i>tert</i> -butyl carboxylatodipyrrolophenanthroline from reaction between 1,10-phenanthroline and dialkyl acetylenedicarboxylates. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 289-293.	2.6	5
58	Application of Multivariate Calibration Techniques to Simultaneous Spectrophotometric Determination of Copper and Iron Using 1-(2-Pyridylazo)-2-naphthol in AOT Micellar Solution. <i>Chinese Journal of Chemistry</i> , 2008, 26, 952-956.	4.9	3
59	Synthesis and characterization of three new fluorovanadate complexes: $N(C_2H_5)_4+[VOF_4]^-$ , $N(CH_3)_4+[VOF_3Cl]^-$ , $N(C_4H_9)_4+[VOF_3Br]^-$ and theoretical calculations of $VOF_4^-$ , $VOF_3Cl^-$ and $VOF_3Br^-$ ions. <i>Journal of Fluorine Chemistry</i> , 2008, 129, 674-679.	1.7	9
60	One-pot synthesis of stable phosphonium ylides using 2-mercaptopyrimidine derivatives. <i>Journal of Sulfur Chemistry</i> , 2006, 27, 583-588.	2.0	18