

Mozhgan Khorasani-Motlagh

List of Publications by Year in descending order

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82
papers

1,887
citations

236833

25
h-index

302012

39
g-index

82
all docs

82
docs citations

82
times ranked

2023
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel mode of control of nickel uptake by a multifunctional metallochaperone. <i>PLoS Pathogens</i> , 2021, 17, e1009193.	2.1	13
2	Evaluation of DNA, BSA binding, DNA cleavage and antimicrobial activity of ytterbium(III) complex containing 2,2'-bipyridine ligand. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1-15.	2.0	19
3	Experimental and theoretical investigations of Dy(III) complex with 2,2'-bipyridine ligand: DNA and BSA interactions and antimicrobial activity study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 4746-4763.	2.0	20
4	Experimental and computational interaction studies of terbium (III) and lanthanide (III) complexes containing 2,2'-bipyridine with bovine serum albumin and their <i>in vitro</i> anticancer and antimicrobial activities. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 39, 1-12.	2.0	8
5	Parent and nano-encapsulated ytterbium(III) complex toward binding with biological macromolecules, <i>in vitro</i> cytotoxicity, cleavage and antimicrobial activity studies. <i>RSC Advances</i> , 2020, 10, 23002-23015.	1.7	12
6	Evaluation of parent and nano-encapsulated terbium(III) complex toward its photoluminescence properties, FS-DNA, BSA binding affinity, and biological applications. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 61, 126564.	1.5	16
7	Electronic and fluorescent studies on the interaction of DNA and BSA with a new ternary praseodymium complex containing 2,9-dimethyl 1,10-phenanthroline and antibacterial activities testing. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 2283-2295.	2.0	9
8	Synthesis, characterization, and binding assessment with human serum albumin of three bipyridine lanthanide(III) complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1438-1450.	2.0	25
9	Bimodal Nickel-Binding Site on <i>Escherichia coli</i> [NiFe]-Hydrogenase Metallochaperone HypA. <i>Inorganic Chemistry</i> , 2019, 58, 13604-13618.	1.9	8
10	Complex formation between the <i>Escherichia coli</i> [NiFe]-hydrogenase nickel maturation factors. <i>BioMetals</i> , 2019, 32, 521-532.	1.8	8
11	<i>In vitro</i> cytotoxicity studies of parent and nanoencapsulated Holmium-2,9-dimethyl-1,10-phenanthroline complex toward fish-salmon DNA-binding properties and antibacterial activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4437-4449.	2.0	14
12	Computational and experimental study on the interaction of three novel rare earth complexes containing 2,9-dimethyl-1,10-phenanthroline with human serum albumin. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1581-1591.	1.2	15
13	Evaluation of DNA, BSA binding, and antimicrobial activity of new synthesized neodymium complex containing 2,9-dimethyl 1,10-phenanthroline. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 779-794.	2.0	22
14	Three-dimensional Pd-Cd nanonetwork decorated on reduced graphene oxide by a galvanic method as a novel electrocatalyst for ethanol oxidation in alkaline media. <i>Journal of Power Sources</i> , 2018, 396, 742-748.	4.0	34
15	Synthesis and biological evaluation of a new dysprosium(III) complex containing 2,9-dimethyl 1,10-phenanthroline. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 300-311.	2.0	13
16	Synthesis, characterization, crystal structure, DNA/BSA binding ability and antibacterial activity of asymmetric europium complex based on 1,10-phenanthroline. <i>Journal of Molecular Structure</i> , 2017, 1137, 771-783.	1.8	13
17	High-affinity metal binding by the <i>Escherichia coli</i> [NiFe]-hydrogenase accessory protein HypB is selectively modulated by SlyD. <i>Metallomics</i> , 2017, 9, 482-493.	1.0	13
18	A facile route for the preparation of new Pd/La ₂ O ₃ catalyst with the lowest palladium loading by a new reduction system as a high performance catalyst towards ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18991-19000.	3.8	15

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19	Photochemical and DFT studies on DNA-binding ability and antibacterial activity of lanthanum(III)-phenanthroline complex. <i>Journal of Molecular Structure</i> , 2017, 1130, 940-950.	1.8	32
20	Evaluation DNA-/BSA-binding properties of a new europium complex containing 2,9-dimethyl-1,10-phenanthroline. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1518-1528.	2.0	8
21	Synthesis and characterization of nano-structured perovskite type neodymium orthoferrite NdFeO ₃ . <i>Current Chemistry Letters</i> , 2017, , 23-30.	0.5	23
22	The improvement of methanol oxidation using nano-electrocatalysts. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 798-815.	1.3	20
23	Graphite paste electrode modified with Lewatit® FO36 nano-resin for simultaneous determination of ascorbic acid, acetaminophen and tryptophan. <i>Analytical Methods</i> , 2016, 8, 1924-1934.	1.3	21
24	Fabrication and performance evaluation of a novel membrane electrode assembly for DMFCs. <i>RSC Advances</i> , 2016, 6, 563-574.	1.7	19
25	Multispectroscopic DNA-binding studies of a terbium(III) complex containing 2,2'-bipyridine ligand. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 414-426.	2.0	35
26	DNA interaction of europium(III) complex containing 2,2'-bipyridine and its antimicrobial activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 612-624.	2.0	53
27	Simultaneous determination of hydroquinone and catechol using a modified glassy carbon electrode by ruthenium red/carbon nanotube. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1139-1147.	1.2	44
28	Preparation and Characterization of Nano-Sized Magnetic Particles LaCoO ₃ by Ultrasonic-Assisted Coprecipitation Method. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 1591-1595.	0.6	27
29	Multifunctional catalysts toward methanol oxidation in direct methanol fuel cell. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 439-451.	1.5	27
30	Experimental and theoretical studies on the DNA-binding of cationic yttrium(III) complex containing 2,2'-bipyridine. <i>Journal of Molecular Structure</i> , 2015, 1083, 57-64.	1.8	11
31	Enhanced electrocatalytic properties of Pt-chitosan nanocomposite for direct methanol fuel cell by LaFeO ₃ and carbon nanotube. <i>Journal of Power Sources</i> , 2014, 248, 130-139.	4.0	43
32	Modified fluorine-doped tin oxide electrode with inorganic ruthenium red dye-multiwalled carbon nanotubes for simultaneous determination of a dopamine, uric acid, and tryptophan. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 333-341.	4.0	37
33	Modified nanocrystalline natural zeolite for adsorption of arsenate from wastewater: Isotherm and kinetic studies. <i>Microporous and Mesoporous Materials</i> , 2014, 197, 101-108.	2.2	15
34	Development of Glassy Carbon Electrode Modified with Ruthenium Red-multiwalled Carbon Nanotubes for Simultaneous Determination of Epinephrine and Acetaminophen. <i>Analytical Sciences</i> , 2014, 30, 911-918.	0.8	3
35	Photodegradation of methyl orange catalyzed by nanoscale zerovalent iron particles supported on natural zeolite. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 471-479.	1.2	21
36	Incorporation effect of nanosized perovskite LaFe _{0.7} Co _{0.3} O ₃ on the electrochemical activity of Pt nanoparticles-multi walled carbon nanotube composite toward methanol oxidation. <i>Journal of Solid State Chemistry</i> , 2013, 201, 41-47.	1.4	15

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37	Photoluminescence studies of a Terbium(III) complex as a fluorescent probe for DNA detection. <i>Journal of Luminescence</i> , 2013, 143, 56-62.	1.5	36
38	Highly sensitive electrochemical detection of dopamine and uric acid on a novel carbon nanotube-modified ionic liquid-nanozeolite paste electrode. <i>Ionics</i> , 2013, 19, 1317-1327.	1.2	28
39	Binding analysis of ytterbium(III) complex containing 1,10-phenanthroline with DNA and its antimicrobial activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013, 31, 937-950.	2.0	24
40	Fluorescence studies, DNA binding properties and antimicrobial activity of a dysprosium(III) complex containing 1,10-phenanthroline. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 127, 192-201.	1.7	29
41	Electrochemical activities of platinum-decorated multi-wall carbon nanotube/chitosan composites for the oxidations of alcohols. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 643-654.	1.2	17
42	Biochemical investigation of yttrium(III) complex containing 1,10-phenanthroline: DNA binding and antibacterial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 148-155.	1.7	26
43	Spectroscopic studies on the binding of holmium-1,10-phenanthroline complex with DNA. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 132-139.	1.7	45
44	Ultrasonic and microwave-assisted co-precipitation synthesis of pure phase LaFeO ₃ perovskite nanocrystals. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 833-839.	1.2	23
45	Lanthanum(III) complexes with phenylcyanamide ligands: Synthesis and crystal structure. <i>Inorganica Chimica Acta</i> , 2012, 383, 72-77.	1.2	8
46	Preparation of Tetraheptylammonium Iodide-Iodine Graphite-Multiwall Carbon Nanotube Paste Electrode: Electrocatalytic Determination of Ascorbic Acid in Pharmaceuticals and Foods. <i>Analytical Sciences</i> , 2011, 27, 929-935.	0.8	11
47	Investigation of the nanometals (Ni and Sn) in platinum binary and ternary electrocatalysts for methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11554-11563.	3.8	41
48	Simultaneous and sensitive determination of a quaternary mixture of AA, DA, UA and Trp using a modified GCE by iron ion-doped natrolite zeolite-multiwall carbon nanotube. <i>Biosensors and Bioelectronics</i> , 2011, 28, 56-63.	5.3	169
49	Platinum nanoparticles self-assembled onto chitosan membrane as anode for direct methanol fuel cell. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 527-534.	1.5	32
50	Crystal Structure of the Second Polymorph of Octaethylporphyrin Iron(III) with Monoanion 1,4-Phenyldicyanamide, [Fe(OEP)(DicydH)]. <i>Journal of Chemical Crystallography</i> , 2011, 41, 625-629.	0.5	2
51	Determination of cyanide in wastewaters using modified glassy carbon electrode with immobilized silver hexacyanoferrate nanoparticles on multiwall carbon nanotube. <i>Journal of Hazardous Materials</i> , 2011, 185, 255-261.	6.5	38
52	Fluorescence and DNA-binding properties of neodymium(III) and praseodymium(III) complexes containing 1,10-phenanthroline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 978-984.	2.0	31
53	Study on fluorescence and DNA-binding of praseodymium(III) complex containing 2,2'-bipyridine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 389-395.	2.0	42
54	Synthesis and characterisation of TiO ₂ nanoparticle with polypyridily complexes for using in solar cells. <i>International Journal of Nanomanufacturing</i> , 2010, 5, 352.	0.3	4

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55	Simultaneous Determination of Ascorbic Acid and Uric Acid by a New Modified Carbon Nanotube-Paste Electrode Using Chloromercuriferrocene. <i>Analytical Sciences</i> , 2010, 26, 425-430.	0.8	13
56	Fluorescence and DNA-binding spectral studies of neodymium(III) complex containing 2,2'-bipyridine, [Nd(bpy) ₂ Cl ₃ ·OH ₂]. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 598-603.	2.0	45
57	Oxidative addition of thiols to (CO) ₃ Mo(1/4-dppm) ₂ Ru(CO) ₃ with formation of hydrido, bridged-thiolate complexes (dppm=Ph ₂ PCH ₂ PPh ₂). <i>Inorganica Chimica Acta</i> , 2010, 363, 779-783.	1.2	3
58	Six-coordinate Iron(III) Porphyrin with DABCO and 4,4'-Bipy as an Axial Ligand: Synthesis and Properties. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2010, 40, 899-904.	0.6	1
59	Preparation of silver hexacyanoferrate nanoparticles and its application for the simultaneous determination of ascorbic acid, dopamine and uric acid. <i>Talanta</i> , 2010, 80, 1657-1664.	2.9	117
60	Synthesis and structural determination of new octaethylporphyrin iron(III) complexes containing cyanamide derivatives as axial ligand. <i>Inorganica Chimica Acta</i> , 2009, 362, 1260-1266.	1.2	13
61	Synthesis, molecular structure, and properties of six-coordinate iron(III) porphyrin, [OEPFe(Pz) ₂]ClO ₄ . <i>Inorganica Chimica Acta</i> , 2009, 362, 2861-2867.	1.2	4
62	Praseodymium (III) complexes with 1,10-phenanthroline and cyanamide derivatives as N-donor ligands. <i>Inorganica Chimica Acta</i> , 2009, 362, 3785-3790.	1.2	9
63	Synthesis and structural determination of a new five-coordinate iron(III) porphyrin containing monoanion 1,4-phenyldicyanamide as axial ligand. <i>Inorganica Chimica Acta</i> , 2009, 362, 4721-4728.	1.2	6
64	Investigation of a new electrochemical cyanide sensor based on Ag nanoparticles embedded in a three-dimensional sol-gel. <i>Journal of Electroanalytical Chemistry</i> , 2009, 628, 48-54.	1.9	73
65	Cyanide uptake from wastewater by modified natrolite zeolite-iron oxyhydroxide system: Application of isotherm and kinetic models. <i>Journal of Hazardous Materials</i> , 2009, 166, 1060-1066.	6.5	42
66	Reactivity of verdoheme, [(OEP)FeII(py) ₂]Cl, toward HX (X=F, CF ₃ CO ₂ , CF ₃ SO ₃). <i>Journal of Coordination Chemistry</i> , 2008, 61, 3458-3466.	0.8	0
67	A Comparative Study of AgX (X = Cl-, Br-, I- and N ₃ -) Solid-Phase Reactors for Flow-Injection Determination of Cyanide in Electroplating Wastewater. <i>Analytical Sciences</i> , 2008, 24, 669-672.	0.8	5
68	Crystal Structure of (2,4-Dimethylphenylcyanamide)-(octaethylporphinato)-iron(III), [Fe(oep)(2,4-Me ₂ pcyd)]. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2008, 24, X275-X276.	0.1	3
69	Isolation and characterization of new heme analogues with weakly coordinating anions: Formation of monoimidazole complex, OEPFe(Im)(SbF ₆) ₆ . <i>Journal of Porphyrins and Phthalocyanines</i> , 2007, 11, 691-696.	0.4	5
70	Application of manganese(IV) dioxide microcolumn for determination and speciation of nitrite and nitrate using a flow injection analysis-flame atomic absorption spectrometry system. <i>Talanta</i> , 2007, 71, 359-364.	2.9	38
71	Application of Pneumatic Flow Injection-Tandem Spectrometer System for Chromium Speciation. <i>Journal of Automated Methods and Management in Chemistry</i> , 2007, 2007, 1-6.	0.5	3
72	Formation and stabilization of five-coordinate iron(II) verdoheme analogues by axial weakly coordinating anion ligation. X-ray crystal structures of [(OEPFe)2O](X) ₂ (X=AsF ₆ , SbF ₆). <i>Inorganica Chimica Acta</i> , 2007, 360, 2331-2338.	1.2	11

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73	Synthesis and Crystal Structure of $\frac{1}{4}$ -oxo-bis[(octaethylxoporphinato)iron(III)] Tetrafluoroborate. <i>Journal of Chemical Crystallography</i> , 2007, 37, 457-461.	0.5	3
74	Reaction of H ₂ S with MoRu(CO) ₆ (dppm) ₂ to give H ₂ and a bridged-sulfide product via hydrido-sulphydryl intermediates (dppm = Ph ₂ PCH ₂ PPh ₂). <i>Canadian Journal of Chemistry</i> , 2006, 84, 330-336.	0.6	8
75	Pneumatic Flow Injection Analysis-Tandem Spectrometer System for Iron Speciation. <i>Analytical Sciences</i> , 2006, 22, 141-144.	0.8	9
76	Atomic Absorption Spectrometry for the Automatic Indirect Determination of Ascorbic Acid Based on the Reduction of Manganese Dioxide. <i>Analytical Sciences</i> , 2005, 21, 655-659.	0.8	9
77	New Class of Verdoheme Analogues with Weakly Coordinating Anions: The Structure of ($\frac{1}{4}$ -Oxo)bis[(octaethylxoporphinato)iron(III)] Hexafluorophosphate. <i>Inorganic Chemistry</i> , 2005, 44, 7762-7769.	1.9	15
78	Oxidative addition of halogens to MoRu(CO) ₆ (dppm) ₂ . <i>Inorganic Chemistry Communication</i> , 2003, 6, 1175-1179.	1.8	6
79	Solid-phase iodine as an oxidant in flow injection analysis: determination of ascorbic acid in pharmaceuticals and foods by background correction. <i>Talanta</i> , 2003, 61, 173-179.	2.9	49
80	Electrocatalytic Determination of L-Ascorbic Acid by Modified Glassy Carbon with Ni(Me ₂ CH ₃ CO) ₂ [14]tetraenoN ₄ Complex. <i>Analytical Sciences</i> , 2003, 19, 1671-1674.	0.8	17
81	Bis(mercapto) and hydrido(thiolate) complexes of Ru(II) dppm (dppm = Ph ₂ PCH ₂ PPh ₂). <i>Inorganica Chimica Acta</i> , 2001, 320, 184-189.	1.2	12
82	Aryldiplatinum(II) Complexes Containing Dimethyl Sulfide and Bis(diphenylphosphino)methane as Bridging Ligands. <i>Organometallics</i> , 2000, 19, 2751-2755.	1.1	31