Mozhgan Khorasani-Motlagh

List of Publications by Year
in descending order

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Version: 2024-02-01

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	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. Biosensors and Bioelectronics, 2011, 28, 56-63.	5.3	169
2	Preparation of silver hexacyanoferrate nanoparticles and its application for the simultaneous determination of ascorbic acid, dopamine and uric acid. Talanta, 2010, 80, 1657-1664.	2.9	117
3	Investigation of a new electrochemical cyanide sensor based on Ag nanoparticles embedded in a three-dimensional solâ€“gel. Journal of Electroanalytical Chemistry, 2009, 628, 48-54.	1.9	73
4	DNA interaction of europium(III) complex containing 2,2â€²-bipyridine and its antimicrobial activity. Journal of Biomolecular Structure and Dynamics, 2016, 34, 612-624.	2.0	53
5	Solid-phase iodine as an oxidant in flow injection analysis: determination of ascorbic acid in pharmaceuticals and foods by background correction. Talanta, 2003, 61, 173-179.	2.9	49
6	Fluorescence and DNA-binding spectral studies of neodymium(III) complex containing 2,2â€²-bipyridine, [Nd(bpy)2Cl3Â·OH2]. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 598-603.	2.0	45
7	Spectroscopic studies on the binding of holmium-1,10-phenanthroline complex with DNA. Journal of Photochemistry and Photobiology B: Biology, 2012, 117, 132-139.	1.7	45
8	Simultaneous determination of hydroquinone and catechol using a modified glassy carbon electrode by ruthenium red/carbon nanotube. Journal of the Iranian Chemical Society, 2015, 12, 1139-1147.	1.2	44
9	Enhanced electrocatalytic properties of Ptâ€“chitosan nanocomposite for direct methanol fuel cell by LaFeO3 and carbon nanotube. Journal of Power Sources, 2014, 248, 130-139.	4.0	43
10	Cyanide uptake from wastewater by modified natrolite zeoliteâ€“iron oxyhydroxide system: Application of isotherm and kinetic models. Journal of Hazardous Materials, 2009, 166, 1060-1066.	6.5	42
11	Study on fluorescence and DNA-binding of praseodymium(III) complex containing 2,2â€²-bipyridine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 389-395.	2.0	42
12	Investigation of the nanometals (Ni and Sn) in platinum binary and ternary electrocatalysts for methanol electrooxidation. International Journal of Hydrogen Energy, 2011, 36, 11554-11563.	3.8	41
13	Application of manganese(IV) dioxide microcolumn for determination and speciation of nitrite and nitrate using a flow injection analysisâ€“flame atomic absorption spectrometry system. Talanta, 2007, 71, 359-364.	2.9	38
14	Determination of cyanide in wastewaters using modified glassy carbon electrode with immobilized silver hexacyanoferrate nanoparticles on multiwall carbon nanotube. Journal of Hazardous Materials, 2011, 185, 255-261.	6.5	38
15	Modified fluorine-doped tin oxide electrode with inorganic ruthenium red dye-multiwalled carbon nanotubes for simultaneous determination of a dopamine, uric acid, and tryptophan. Sensors and Actuators B: Chemical, 2014, 204, 333-341.	4.0	37
16	Photoluminescence studies of a Terbium(III) complex as a fluorescent probe for DNA detection. Journal of Luminescence, 2013, 143, 56-62.	1.5	36
17	Multispectroscopic DNA-binding studies of a terbium(III) complex containing 2,2â€²-bipyridine ligand. Journal of Biomolecular Structure and Dynamics, 2016, 34, 414-426.	2.0	35
18	Three-dimensional Pd-Cd nanonetwork decorated on reduced graphene oxide by a galvanic method as a novel electrocatalyst for ethanol oxidation in alkaline media. Journal of Power Sources, 2018, 396, 742-748.	4.0	34

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19	Platinum nanoparticles self-assembled onto chitosan membrane as anode for direct methanol fuel cell. Journal of Applied Electrochemistry, 2011, 41, 527-534.	1.5	32
20	Photochemical and DFT studies on DNA-binding ability and antibacterial activity of lanthanum(III)-phenanthroline complex. Journal of Molecular Structure, 2017, 1130, 940-950.	1.8	32
21	Aryldiplatinum(II) Complexes Containing Dimethyl Sulfide and Bis(diphenylphosphino)methane as Bridging Ligands. Organometallics, 2000, 19, 2751-2755.	1.1	31
22	Fluorescence and DNA-binding properties of neodymium(III) and praseodymium(III) complexes containing 1,10-phenanthroline. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 978-984.	2.0	31
23	Fluorescence studies, DNA binding properties and antimicrobial activity of a dysprosium(III) complex containing 1,10-phenanthroline. Journal of Photochemistry and Photobiology B: Biology, 2013, 127, 192-201.	1.7	29
24	Highly sensitive electrochemical detection of dopamine and uric acid on a novel carbon nanotube-modified ionic liquid-nanozeolite paste electrode. Ionics, 2013, 19, 1317-1327.	1.2	28
25	Preparation and Characterization of Nano-Sized Magnetic Particles LaCoO₃ by Ultrasonic-Assisted Coprecipitation Method. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1591-1595.	0.6	27
26	Multifunctional catalysts toward methanol oxidation in direct methanol fuel cell. Journal of Applied Electrochemistry, 2015, 45, 439-451.	1.5	27
27	Biochemical investigation of yttrium(III) complex containing 1,10-phenanthroline: DNA binding and antibacterial activity. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 148-155.	1.7	26
28	Synthesis, characterization, and binding assessment with human serum albumin of three bipyridine lanthanide(III) complexes. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1438-1450.	2.0	25
29	Binding analysis of ytterbium(III) complex containing 1,10-phenanthroline with DNA and its antimicrobial activity. Journal of Biomolecular Structure and Dynamics, 2013, 31, 937-950.	2.0	24
30	Ultrasonic and microwave-assisted co-precipitation synthesis of pure phase LaFeO3 perovskite nanocrystals. Journal of the Iranian Chemical Society, 2012, 9, 833-839.	1.2	23
31	Synthesis and characterization of nano-structured perovskite type neodymium orthoferrite NdFeO3. Current Chemistry Letters, 2017, , 23-30.	0.5	23
32	Evaluation of DNA, BSA binding, and antimicrobial activity of new synthesized neodymium complex containing 29-dimethyl 110-phenanthroline. Journal of Biomolecular Structure and Dynamics, 2018, 36, 779-794.	2.0	22
33	Photodegradation of methyl orange catalyzed by nanoscale zerovalent iron particles supported on natural zeolite. Journal of the Iranian Chemical Society, 2013, 10, 471-479.	1.2	21
34	Graphite paste electrode modified with LewatitÂ® FO36 nano-resin for simultaneous determination of ascorbic acid, acetaminophen and tryptophan. Analytical Methods, 2016, 8, 1924-1934.	1.3	21
35	The improvement of methanol oxidation using nano-electrocatalysts. Journal of Experimental Nanoscience, 2016, 11, 798-815.	1.3	20
36	Experimental and theoretical investigations of Dy(III) complex with 2,2â€²-bipyridine ligand: DNA and BSA interactions and antimicrobial activity study. Journal of Biomolecular Structure and Dynamics, 2020, 38, 4746-4763.	2.0	20

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37	Fabrication and performance evaluation of a novel membrane electrode assembly for DMFCs. RSC Advances, 2016, 6, 563-574.	1.7	19
38	Evaluation of DNA, BSA binding, DNA cleavage and antimicrobial activity of ytterbium(III) complex containing 2,2'-bipyridine ligand. Journal of Biomolecular Structure and Dynamics, 2020, 38, 1-15.	2.0	19
39	Electrocatalytic Determination of L-Ascorbic Acid by Modified Glassy Carbon with Ni(Me₂(CH₃CO)₂[14]tetraenoN₄) Complex. Analytical Sciences, 2003, 19, 1671-1674.	0.8	17
40	Electrochemical activities of platinum-decorated multi-wall carbon nanotube/chitosan composites for the oxidations of alcohols. Journal of Solid State Electrochemistry, 2013, 17, 643-654.	1.2	17
41	Evaluation of parent and nano-encapsulated terbium(III) complex toward its photoluminescence properties, FS-DNA, BSA binding affinity, and biological applications. Journal of Trace Elements in Medicine and Biology, 2020, 61, 126564.	1.5	16
42	New Class of Verdoheme Analogues with Weakly Coordinating Anions:Â The Structure of (Î¼-Oxo)bis[(octaethyloxoporphinato)iron(III)] Hexafluorophosphate. Inorganic Chemistry, 2005, 44, 7762-7769.	1.9	15
43	Incorporation effect of nanosized perovskite LaFe0.7Co0.3O3 on the electrochemical activity of Pt nanoparticles-multi walled carbon nanotube composite toward methanol oxidation. Journal of Solid State Chemistry, 2013, 201, 41-47.	1.4	15
44	Modified nanocrystalline natural zeolite for adsorption of arsenate from wastewater: Isotherm and kinetic studies. Microporous and Mesoporous Materials, 2014, 197, 101-108.	2.2	15
45	A facile route for the preparation of new Pd/La2O3 catalyst with the lowest palladium loading by a new reduction system as a high performance catalyst towards ethanol oxidation. International Journal of Hydrogen Energy, 2017, 42, 18991-19000.	3.8	15
46	Computational and experimental study on the interaction of three novel rare earth complexes containing 2,9-dimethyl-1,10-phenanthroline with human serum albumin. Journal of the Iranian Chemical Society, 2018, 15, 1581-1591.	1.2	15
47	In vitrocytotoxicity studies of parent and nanoencapsulated Holmium-2,9-dimethyl-1,10-phenanthroline complex toward fish-salmon DNA-binding properties and antibacterial activity. Journal of Biomolecular Structure and Dynamics, 2019, 37, 4437-4449.	2.0	14
48	Synthesis and structural determination of new octaethylporphyrin iron(III) complexes containing cyanamide derivatives as axial ligand. Inorganica Chimica Acta, 2009, 362, 1260-1266.	1.2	13
49	Simultaneous Determination of Ascorbic Acid and Uric Acid by a New Modified Carbon Nanotube-Paste Electrode Using Chloromercuriferrocene. Analytical Sciences, 2010, 26, 425-430.	0.8	13
50	Synthesis and biological evaluation of a new dysprosium(III) complex containing 2,9-dimethyl 1,10-phenanthroline. Journal of Biomolecular Structure and Dynamics, 2017, 35, 300-311.	2.0	13
51	Synthesis, characterization, crystal structure, DNA/BSA binding ability and antibacterial activity of asymmetric europium complex based on 1,10- phenanthroline. Journal of Molecular Structure, 2017, 1137, 771-783.	1.8	13
52	High-affinity metal binding by the Escherichia coli [NiFe]-hydrogenase accessory protein HypB is selectively modulated by SlyD. Metallomics, 2017, 9, 482-493.	1.0	13
53	A novel mode of control of nickel uptake by a multifunctional metallochaperone. PLoS Pathogens, 2021, 17, e1009193.	2.1	13
54	Bis(mercapto) and hydrido(thiolate) complexes of Ru(II)â€“dppm (dppm=Ph2PCH2PPh2). Inorganica Chimica Acta, 2001, 320, 184-189.	1.2	12

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55	Parent and nano-encapsulated ytterbium(<scp>iii</scp>) complex toward binding with biological macromolecules, in vitro cytotoxicity, cleavage and antimicrobial activity studies. RSC Advances, 2020, 10, 23002-23015.	1.7	12
56	Formation and stabilization of five-coordinate iron(II) verdoheme analogues by axial weakly coordinating anion ligation. X-ray crystal structures of [(OEOPFe)2O](X)2 (X=AsF6, SbF6). Inorganica Chimica Acta, 2007, 360, 2331-2338.	1.2	11
57	Preparation of Tetraheptylammonium Iodide-Iodine Graphite-Multiwall Carbon Nanotube Paste Electrode: Electrocatalytic Determination of Ascorbic Acid in Pharmaceuticals and Foods. Analytical Sciences, 2011, 27, 929-935.	0.8	11
58	Experimental and theoretical studies on the DNA-binding of cationic yttrium(III) complex containing 2,2â€²-bipyridine. Journal of Molecular Structure, 2015, 1083, 57-64.	1.8	11
59	Atomic Absorption Spectrometry for the Automatic Indirect Determination of Ascorbic Acid Based on the Reduction of Manganese Dioxide. Analytical Sciences, 2005, 21, 655-659.	0.8	9
60	Pneumatic Flow Injection Analysis-Tandem Spectrometer System for Iron Speciation. Analytical Sciences, 2006, 22, 141-144.	0.8	9
61	Praseodymium (III) complexes with 1,10-phenanthroline and cyanamide derivatives as N-donor ligands. Inorganica Chimica Acta, 2009, 362, 3785-3790.	1.2	9
62	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. Journal of Biomolecular Structure and Dynamics, 2019, 37, 2283-2295.	2.0	9
63	Reaction of H2S with MoRu(CO)6(dppm)2 to give H2 and a bridged-sulfide product via hydrido-sulfhydryl intermediates (dppmâ€,=â€,Ph2PCH2PPh2). Canadian Journal of Chemistry, 2006, 84, 330-336.	0.6	8
64	Lanthanum(III) complexes with phenylcyanamide ligands: Synthesis and crystal structure. Inorganica Chimica Acta, 2012, 383, 72-77.	1.2	8
65	Evaluation DNA-/BSA-binding properties of a new europium complex containing 2,9-dimethyl-1,10-phenanthroline. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1518-1528.	2.0	8
66	Bimodal Nickel-Binding Site on Escherichia coli [NiFe]-Hydrogenase Metallochaperone HypA. Inorganic Chemistry, 2019, 58, 13604-13618.	1.9	8
67	Complex formation between the Escherichia coli [NiFe]-hydrogenase nickel maturation factors. BioMetals, 2019, 32, 521-532.	1.8	8
68	Experimental and computational interaction studies of terbium (III) and lanthanide (III) complexes containing 2,2â€²-bipyridine with bovine serum albumin and their inÂvitro anticancer and antimicrobial activities. Journal of Biomolecular Structure and Dynamics, 2020, 39, 1-12.	2.0	8
69	Oxidative addition of halogens to MoRu(CO)6(dppm)2. Inorganic Chemistry Communication, 2003, 6, 1175-1179.	1.8	6
70	Synthesis and structural determination of a new five-coordinate iron(III) porphyrin containing monoanion 1,4-phenyldicyanamide as axial ligand. Inorganica Chimica Acta, 2009, 362, 4721-4728.	1.2	6
71	Isolation and characterization of new heme analogues with weakly coordinating anions: Formation of monoimidazole complex, OEPFe(Im)(SbF₆). Journal of Porphyrins and Phthalocyanines, 2007, 11, 691-696.	0.4	5
72	A Comparative Study of AgX (X = Cl-, Br-, I- and N3-) Solid-Phase Reactors for Flow-Injection Determination of Cyanide in Electroplating Wastewater. Analytical Sciences, 2008, 24, 669-672.	0.8	5

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73	Synthesis, molecular structure, and properties of six-coordinate iron(III) porphyrin, [OEPFe(Pz)2]ClO4. Inorganica Chimica Acta, 2009, 362, 2861-2867.	1.2	4
74	Synthesis and characterisation of TiO<SUB align=right>2 nanoparticle with polypyridily complexes for using in solar cells. International Journal of Nanomanufacturing, 2010, 5, 352.	0.3	4
75	Application of Pneumatic Flow Injection-Tandem Spectrometer System for Chromium Speciation. Journal of Automated Methods and Management in Chemistry, 2007, 2007, 1-6.	0.5	3
76	Synthesis and Crystal Structure of Î¼-oxo-bis[(octaethyloxoporphinato)iron(III)] Tetrafluoroborate. Journal of Chemical Crystallography, 2007, 37, 457-461.	0.5	3
77	Crystal Structure of (2,4-Dimethylphenylcyanamide)-(octaethylporphinato)-iron(III), [Fe(oep)(2,4-Me2pcyd)]. Analytical Sciences: X-ray Structure Analysis Online, 2008, 24, X275-X276.	0.1	3
78	Oxidative addition of thiols to (CO)3Mo(Î¼-dppm)2Ru(CO)3 with formation of hydrido, bridged-thiolate complexes (dppm=Ph2PCH2PPh2). Inorganica Chimica Acta, 2010, 363, 779-783.	1.2	3
79	Development of Glassy Carbon Electrode Modified with Ruthenium Red-multiwalled Carbon Nanotubes for Simultaneous Determination of Epinephrine and Acetaminophen. Analytical Sciences, 2014, 30, 911-918.	0.8	3
80	Crystal Structure of the Second Polymorph of Octaethylporphyrin Iron(III) with Monoanion 1,4-Phenyldicyanamide, [Fe(OEP)(DicydH)]. Journal of Chemical Crystallography, 2011, 41, 625-629.	0.5	2
81	Six-coordinate Iron(III) Porphyrin with DABCO and 4,4â€²-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
82	Reactivity of verdoheme, [(OEOP)FeII(py)2]Cl, toward HX (X=F, CF3CO2, CF3SO3). Journal of Coordination Chemistry, 2008, 61, 3458-3466.	0.8	0