

Mohammad Hossein Mashhadizadeh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

2,577
citations

32
h-index

48
g-index

74
ext. papers

2,759
ext. citations

5.1
avg, IF

5.5
L-index

#	Paper	IF	Citations
73	Introducing a novel nanocomposite consisting of TiO ₂ nanoparticles@copper oxide/reduced graphene oxide for the electrocatalytic sensing of ascorbic acid. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 1329-1341	2	2
72	Nitrone Synthesis via Pair Electrochemical Coupling of Nitro-Compounds with Benzyl Alcohol Derivatives. <i>Journal of Organic Chemistry</i> , 2019 , 84, 9307-9312	4.2	9
71	Degradation of diazinon by new hybrid nanocomposites N-TiO ₂ /Graphene/Au and N-TiO ₂ /Graphene/Ag using visible light photo-electro catalysis and photo-electro catalytic ozonation: Optimization and comparative study by Taguchi method. <i>Separation and Purification Technology</i> , 2019 , 214, 701-714	8.3	41
70	A novel ionic liquid/polyoxomolybdate based sensor for ultra-high sensitive monitoring of Al(III): Optimization by Taguchi statistical design. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 814, 7-19	4.1	5
69	Preparation of reusable nano N-TiO ₂ /graphene/titanium grid sheet for electrosorption-assisted visible light photoelectrocatalytic degradation of a pesticide: Effect of parameters and neural network modeling. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 823, 713-722	4.1	23
68	3-Mercapto propionic acid self-assembled on gold nano-particles applied for modification of screen-printed electrode as a new digoxin electrochemical aptasensor using graphene oxide-based signal-on strategy. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 787, 132-138	4.1	15
67	A simple non-enzymatic strategy for adenosine triphosphate electrochemical aptasensor using silver nanoparticle-decorated graphene oxide. <i>Journal of the Iranian Chemical Society</i> , 2017 , 14, 2007-2016	4.1	12
66	A digoxin electrochemical aptasensor using Ag nanoparticle decorated graphene oxide. <i>Analytical Methods</i> , 2016 , 8, 7247-7253	3.2	17
65	Application of magnetic lamotrigine-imprinted polymer nanoparticles as an electrochemical sensor for trace determination of lamotrigine in biological samples. <i>RSC Advances</i> , 2016 , 6, 32374-32380	3.7	56
64	Synergistic effect of magnetite and gold nanoparticles onto the response of a label-free impedimetric hepatitis B virus DNA biosensor. <i>Materials Science and Engineering C</i> , 2016 , 59, 773-781	8.3	32
63	Multilayer film of thiourea and gold nanoparticles as an effective platform for immobilization of activated non-labeled-DNA and construction of an ultrasensitive electrochemical DNA biosensor. <i>Russian Journal of Electrochemistry</i> , 2016 , 52, 154-162	1.2	4
62	Simple in situ functionalizing of magnetite nanoparticles by 4-nitrobenzenediazonium for construction of a sensitive electrochemical DNA biosensor for detection of a DNA sequence related to Hepatitis B virus. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 1747-1756	2	5
61	Structure-switching of an organothiol neutral carrier by gold nanoparticles decorated on SH-MWCNTs for ultra-trace voltammetric assay of Hg(II) using a carbon paste electrode. <i>Analytical Methods</i> , 2015 , 7, 7765-7775	3.2	8
60	Mercapto-ordered carbohydrate-derived porous carbon electrode as a novel electrochemical sensor for simple and sensitive ultra-trace detection of omeprazole in biological samples. <i>Materials Science and Engineering C</i> , 2015 , 48, 213-9	8.3	56
59	Magnetic pH-responsive poly(methacrylic acid-co-acrylic acid)-co-polyvinylpyrrolidone magnetic nano-carrier for controlled delivery of fluvastatin. <i>Materials Science and Engineering C</i> , 2015 , 47, 281-9	8.3	13
58	Development of a novel MWCNTs-triazene-modified carbon paste electrode for potentiometric assessment of Hg(II) in the aquatic environments. <i>Materials Science and Engineering C</i> , 2015 , 47, 273-80	8.3	26
57	A novel morphine electrochemical biosensor based on intercalative and electrostatic interaction of morphine with double strand DNA immobilized onto a modified Au electrode. <i>Talanta</i> , 2015 , 131, 460-6	6.2	46

56	Application of diazo-thiourea and gold nano-particles in the design of a highly sensitive and selective DNA biosensor. <i>Chinese Chemical Letters</i> , 2015 , 26, 160-166	8.1	14
55	Removal of strontium ions from nuclear waste using synthesized MnO ₂ -ZrO ₂ nano-composite by hydrothermal method in supercritical condition. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 478-485	2.8	17
54	Solid phase extraction of trace amounts of silver, cadmium, copper, mercury, and lead in various food samples based on ethylene glycol bis-mercaptoacetate modified 3-(trimethoxysilyl)-1-propanethiol coated Fe ₃ O ₄ nanoparticles. <i>Food Chemistry</i> , 2014 , 151, 300-5	8.5	109
53	A novel optical DNA biosensor for detection of trace amounts of mercuric ions using gold nanoparticles introduced onto modified glass surface. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 132, 403-9	4.4	16
52	A highly sensitive and selective hepatitis B DNA biosensor using gold nanoparticle electrodeposition on an Au electrode and mercaptobenzaldehyde. <i>Analytical Methods</i> , 2014 , 6, 8956-8964	3.2	17
51	Synthesis and characterization of N,N'-bis(benzophenone imine)formamidine as ionophores for silver-selective electrodes. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 410-416	8.5	7
50	Synthesis, characterization and application of novel lead imprinted polymer nanoparticles as a high selective electrochemical sensor for ultra-trace determination of lead ions in complex matrixes. <i>Electrochimica Acta</i> , 2014 , 136, 59-65	6.7	126
49	Transport of Cu ²⁺ ion across a bulk liquid membrane containing a synthesized Schiff base as carrier. <i>Physics and Chemistry of Liquids</i> , 2014 , 52, 199-208	1.5	1
48	Design of a New Carbon Paste Electrode Modified with TiO ₂ Nanoparticles to Use in an Electrochemical Study of Codeine and Simultaneous Determination of Codeine and Acetaminophen in Human Plasma Serum Samples. <i>Electroanalysis</i> , 2014 , 26, 2033-2042	3	21
47	Synthesis of iron oxide nanoparticles at low bath temperature: Characterization and energy storage studies. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 1837-1841	4.3	10
46	Electrochemical investigation of clozapine at TiO ₂ nanoparticles modified carbon paste electrode and simultaneous adsorptive voltammetric determination of two antipsychotic drugs. <i>Electrochimica Acta</i> , 2013 , 87, 816-823	6.7	58
45	Synthesis and characterization of cerium oxide nano-particles in chloride bath: Effect of the H ₂ O ₂ concentration and bath temperature on morphology. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 1943-1948	4.3	10
44	Magnetic nanoparticles solid phase extraction for determination of ochratoxin A in cereals using high-performance liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 2013 , 1320, 17-26	4.5	58
43	Comparative study of carbon paste electrodes modified by new pentaaza macrocyclic ligands and gold nanoparticles embedded in three-dimensional sol-gel network for determination of trace amounts of Ag(I). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013 , 76, 283-291	1.7	8
42	Atomic absorption spectrometric determination of Al ³⁺ and Cr ³⁺ after preconcentration and separation on 3-mercaptopropionic acid modified silica coated-Fe ₃ O ₄ nanoparticles. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 251	3.7	65
41	Facile cathodic electrosynthesis and characterization of iron oxide nano-particles. <i>Progress in Natural Science: Materials International</i> , 2013 , 23, 51-54	3.6	15
40	Synthesis, characterization, and supercapacitor studies of manganese (IV) oxide nanowires. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 868-876	4.3	26
39	A new methodology for electrostatic immobilization of a non-labeled single strand DNA onto a self-assembled diazonium modified gold electrode and detection of its hybridization by differential pulse voltammetry. <i>Talanta</i> , 2013 , 103, 344-8	6.2	17

38	A nickel hexacyanoferrate and poly(1-naphthol) hybrid film modified electrode used in the selective electroanalysis of dopamine. <i>Electrochimica Acta</i> , 2012 , 59, 321-328	6.7	38
37	Facile synthesis of MnO ₂ one-dimensional (1D) nanostructure and energy storage ability studies. <i>Journal of Solid State Chemistry</i> , 2012 , 190, 202-207	3.3	55
36	Comparative studies on carbon paste electrodes based on three dithiocarbamate podands as ionophore in Ag(I) sensors. <i>Analytical Methods</i> , 2012 , 4, 742	3.2	6
35	Electrochemical Studies and Selective Detection of Thioridazine Using a Carbon Paste Electrode Modified with ZnS Nanoparticles and Simultaneous Determination of Thioridazine and Olanzapine. <i>Electroanalysis</i> , 2012 , 24, 2193-2202	3	29
34	Hausmannite nanorods prepared by electrodeposition from nitrate medium via electrogeneration of base. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012 , 43, 614-618	5.3	21
33	Potentiometric determination of nanomolar concentration of Cu (II) using a carbon paste electrode modified by a self-assembled mercapto compound on gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012 , 169, 305-311	8.5	26
32	Template-free synthesis of MnO ₂ nanowires with secondary flower like structure: Characterization and supercapacitor behavior studies. <i>Current Applied Physics</i> , 2012 , 12, 193-198	2.6	59
31	High temperature and low current density synthesis of Mn ₃ O ₄ porous nano spheres: Characterization and electrochemical properties. <i>Current Applied Physics</i> , 2012 , 12, 544-549	2.6	47
30	Drug-Carrying Amino Silane Coated Magnetic Nanoparticles as Potential Vehicles for Delivery of Antibiotics. <i>Journal of Nanomedicine & Nanotechnology</i> , 2012 , 03,	1.9	33
29	Determination of ultratrace levels of lead (II) in water samples using a modified carbon paste electrode based on a new podand. <i>Materials Science and Engineering C</i> , 2011 , 31, 1674-1680	8.3	11
28	Electrocatalytic determination of chlorpromazine drug using Alizarin Red S as a mediator on the glassy carbon electrode. <i>Russian Journal of Electrochemistry</i> , 2011 , 47, 34-41	1.2	13
27	Used gold nano-particles as an on/off switch for response of a potentiometric sensor to Al(III) or Cu(II) metal ions. <i>Analytica Chimica Acta</i> , 2011 , 692, 109-15	6.6	39
26	Solid phase extraction of trace amounts of Ag, Cd, Cu, and Zn in environmental samples using magnetic nanoparticles coated by 3-(trimethoxysilyl)-1-propanthiol and modified with 2-amino-5-mercapto-1,3,4-thiadiazole and their determination by ICP-OES. <i>Journal of Hazardous Materials</i> , 2011 , 190, 1023-9	12.8	164
25	Sol-Gel-Au nano-particle modified carbon paste electrode for potentiometric determination of sub ppb level of Al(III). <i>Analytical Methods</i> , 2010 , 2, 24-31	3.2	47
24	Comparative studies of mercapto thiadiazoles self-assembled on gold nanoparticle as ionophores for Cu(II) carbon paste sensors. <i>Analytica Chimica Acta</i> , 2010 , 665, 208-14	6.6	31
23	Electrocatalytic oxidation of hydrazine with alizarin red S as a homogenous mediator on the glassy carbon electrode. <i>Science China Chemistry</i> , 2010 , 53, 1195-1201	7.9	7
22	Used a new aza-thia-macrocycle as a suitable carrier in potentiometric sensor of copper (II). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010 , 68, 219-227		14
21	Voltammetric determination of some anti-malarial drugs using a carbon paste electrode modified with Cu(OH) ₂ nano-wire. <i>Talanta</i> , 2009 , 78, 1440-5	6.2	43

20	Copper(II) modified carbon paste electrodes based on self-assembled mercapto compounds-gold-nanoparticle. <i>Talanta</i> , 2008 , 76, 497-502	6.2	28
19	Solid phase extraction of copper (II) by sorption on octadecyl silica membrane disk modified with a new Schiff base and determination with atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008 , 63, 885-888	3.1	102
18	Flame atomic absorption spectrometric determination of μ amounts of Fe (III) ions after solid phase extraction using modified octadecyl silica membrane disks. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008 , 63, 889-892	3.1	23
17	A novel Mn(2+) PVC membrane electrode based on a recently synthesized Schiff base. <i>Talanta</i> , 2007 , 72, 1088-92	6.2	28
16	New Schiff base modified carbon paste and coated wire PVC membrane electrode for silver ion. <i>Sensors and Actuators B: Chemical</i> , 2006 , 113, 930-936	8.5	43
15	Flame atomic absorption spectroscopy (FAAS) determination of iron(III) after preconcentration on to modified analcime zeolite with 5-((4-nitrophenylazo)-N-(2,4-dimethoxyphenyl))salicylaldimine by column method. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 476-478	3.7	55
14	A novel ion selective membrane potentiometric sensor for direct determination of Fe(III) in the presence of Fe(II). <i>Talanta</i> , 2004 , 64, 1048-52	6.2	66
13	Co ²⁺ -selective membrane electrode based on the Schiff Base NADS. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 708-12	4.4	18
12	Nickel(II)-selective membrane potentiometric sensor using a recently synthesized Schiff base as neutral carrier. <i>Sensors and Actuators B: Chemical</i> , 2003 , 94, 241-246	8.5	34
11	Nickel(II) selective membrane potentiometric sensor using a recently synthesized mercapto compound as neutral carrier. <i>Talanta</i> , 2003 , 59, 47-53	6.2	21
10	Mercury(II) ion-selective polymeric membrane sensor based on a recently synthesized Schiff base. <i>Talanta</i> , 2003 , 60, 73-80	6.2	83
9	Solid phase extraction of gold by sorption on octadecyl silica membrane disks modified with pentathia-15-crown-5 and determination by AAS. <i>Talanta</i> , 2003 , 60, 839-44	6.2	82
8	Flame atomic absorption spectrometric determination of silver ion after preconcentration on octadecyl silica membrane disk modified with bis[5-((4-nitrophenyl)azosalicylaldehyde)] as a new Schiff base ligand. <i>Journal of Analytical Atomic Spectrometry</i> , 2003 , 18, 1407	3.7	53
7	Highly selective and efficient transport of mercury(II) ions across a bulk liquid membrane containing tetrathia-12-crown-4 as a specific ion carrier. <i>Separation and Purification Technology</i> , 2002 , 27, 155-161	8.3	34
6	Cobalt(II)-selective membrane electrode using a recently synthesized mercapto compound. <i>Analytica Chimica Acta</i> , 2002 , 462, 245-252	6.6	33
5	Selective transport of silver ion through a supported liquid membrane using hexathia-18-crown-6 as carrier. <i>Analytical Sciences</i> , 2001 , 17, 491-4	1.7	24
4	Cadmium ion-selective electrode based on tetrathia-12-crown-4. <i>Talanta</i> , 2001 , 53, 1065-71	6.2	64
3	Highly efficient and selective membrane transport of silver(I) using hexathia-18-crown-6 as a specific ion carrier. <i>Separation and Purification Technology</i> , 2000 , 20, 147-153	8.3	38

- 2 Spectrophotometric Study of Complex Formation Between Iodine and Some Thiacycrown Ethers in Chloroform Solution. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2000**, 38, 277-286 13
- 1 Silver(I)-selective membrane electrode based on hexathia-18-crown-6. *Analytica Chimica Acta*, **1999**, 381, 111-116 6.6 87