

Mohammad Hossein Mashhadizadeh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2483568/publications.pdf>

Version: 2024-02-01

74
papers

3,057
citations

117571

34
h-index

168321

53
g-index

74
all docs

74
docs citations

74
times ranked

3207
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1023-1029.	6.5	176
2	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.	2.6	141
3	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.	1.5	124
4	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, 300-305.	4.2	120
5	Silver(I)-selective membrane electrode based on hexathia-18-crown-6. <i>Analytica Chimica Acta</i> , 1999, 381, 111-116.	2.6	104
6	Mercury(II) ion-selective polymeric membrane sensor based on a recently synthesized Schiff base. <i>Talanta</i> , 2003, 60, 73-80.	2.9	94
7	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, 839-844.	2.9	91
8	Cadmium ion-selective electrode based on tetrathia-12-crown-4. <i>Talanta</i> , 2001, 53, 1065-1071.	2.9	80
9	A novel ion selective membrane potentiometric sensor for direct determination of Fe(III) in the presence of Fe(II). <i>Talanta</i> , 2004, 64, 1048-1052.	2.9	77
10	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.	1.6	73
11	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.	2.6	70
12	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.	1.8	67
13	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.	1.1	66
14	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, 213-219.	3.8	66
15	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.	1.6	64
16	Flame atomic absorption spectroscopy (FAAS) determination of iron(III) after preconcentration on to modified analcime zeolite with 5-((4-nitrophenylazo)-N-(2,4-dimethoxyphenyl))salicylaldehyde by column method. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 476-478.	1.6	64
17	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.	1.7	63
18	Voltammetric determination of some anti-malarial drugs using a carbon paste electrode modified with Cu(OH) ₂ nano-wire. <i>Talanta</i> , 2009, 78, 1440-1445.	2.9	59

#	ARTICLE	IF	CITATIONS
19	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.	1.4	57
20	High temperature and low current density synthesis of Mn_3O_4 porous nano spheres: Characterization and electrochemical properties. <i>Current Applied Physics</i> , 2012, 12, 544-549.	1.1	55
21	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.	4.0	54
22	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, 211, 704-714.	3.9	54
23	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, 460-466.	2.9	52
24	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.	1.3	51
25	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.	4.0	48
26	Cobalt(II)-selective membrane electrode using a recently synthesized mercapto compound. <i>Analytica Chimica Acta</i> , 2002, 462, 245-252.	2.6	47
27	Drug-Carrying Amino Silane Coated Magnetic Nanoparticles as Potential Vehicles for Delivery of Antibiotics. <i>Journal of Nanomedicine & Nanotechnology</i> , 2012, 03, .	1.1	46
28	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.	3.9	45
29	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.	3.8	44
30	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.	3.9	42
31	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, 109-115.	2.6	42
32	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.	2.6	40
33	Comparative studies of mercapto thiazoles self-assembled on gold nanoparticle as ionophores for Cu(II) carbon paste sensors. <i>Analytica Chimica Acta</i> , 2010, 665, 208-214.	2.6	35
34	A novel Mn^{2+} PVC membrane electrode based on a recently synthesized Schiff base. <i>Talanta</i> , 2007, 72, 1088-1092.	2.9	34
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.	1.5	34
36	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.	1.9	34

#	ARTICLE	IF	CITATIONS
37	Copper(II) modified carbon paste electrodes based on self-assembled mercapto compounds-gold-nanoparticle. <i>Talanta</i> , 2008, 76, 497-502.	2.9	32
38	Selective Transport of Silver Ion through a Supported Liquid Membrane Using Hexathia-18-Crown-6 as Carrier.. <i>Analytical Sciences</i> , 2001, 17, 491-494.	0.8	30
39	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, 273-280.	3.8	30
40	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.	4.0	28
41	Co ²⁺ -selective membrane electrode based on the Schiff Base NADS. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 708-712.	1.9	27
42	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.	1.5	27
43	Nickel(II) selective membrane potentiometric sensor using a recently synthesized mercapto compound as neutral carrier. <i>Talanta</i> , 2003, 59, 47-53.	2.9	26
44	Flame atomic absorption spectrometric determination of 1/4g 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.	1.5	26
45	Synthesis, characterization, and supercapacitor studies of manganese (IV) oxide nanowires. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 868-876.	1.9	26
46	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.	1.3	24
47	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.	1.2	24
48	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.	2.7	22
49	A digoxin electrochemical aptasensor using Ag nanoparticle decorated graphene oxide. <i>Analytical Methods</i> , 2016, 8, 7247-7253.	1.3	20
50	Used a new aza-thia-macrocyclic as a suitable carrier in potentiometric sensor of copper (II). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 68, 219-227.	1.6	19
51	Facile cathodic electrosynthesis and characterization of iron oxide nano-particles. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 51-54.	1.8	19
52	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.	1.9	19
53	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2000, 38, 277-286.	1.6	18
54	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.	0.3	18

#	ARTICLE	IF	CITATIONS
55	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, 344-348.	2.9	18
56	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, 403-409.	2.0	18
57	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, 281-289.	3.8	15
58	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.	4.8	15
59	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.	1.2	15
60	Nitrone Synthesis via Pair Electrochemical Coupling of Nitro-Compounds with Benzyl Alcohol Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 9307-9312.	1.7	15
61	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.	1.9	14
62	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.	1.9	14
63	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.	1.9	14
64	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.	3.8	12
65	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.	0.9	10
66	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.	1.3	10
67	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.	1.2	8
68	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.	4.2	7
69	Comparative studies on carbon paste electrodes based on three dithiocarbamate podands as ionophore in Ag(I) sensors. <i>Analytical Methods</i> , 2012, 4, 742.	1.3	7
70	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.	4.0	7
71	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.	1.2	5
72	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.	0.3	4

#	ARTICLE	IF	CITATIONS
73	Transport of Cu ²⁺ ion across a bulk liquid membrane containing a synthesized Schiff base as carrier. Physics and Chemistry of Liquids, 2014, 52, 199-208.	0.4	1
74	Usage of magnetic nanoparticles coated with 3-(trimethoxysilyl)-1-propanethiol for removal of methylene blue from a textile mill wastewater. , 0, 85, 197-205.		0