Sayed Zia Mohammadi

List of Publications by Year
in descending order

86	1,725	304743	345221
papers	citations	22 h-index	36 g-index

89	89	89	1778
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Density functional theory calculations and molecular docking of 2-phenylbenzimidazoles with estrogen receptor for quantitative structure-activity relationship studies. Journal of the Serbian Chemical Society, 2022, 87, 193-203.	0.8	0
2	Recent Advantages of Mediator Based Chemically Modified Electrodes; Powerful Approach in Electroanalytical Chemistry. Current Analytical Chemistry, 2022, 18, 6-30.	1.2	5
3	Cobalt nanoparticles introduced to activated carbon, CoNP/AC, as an effective electrocatalyst for oxidation and determination of methanol and ethanol. International Journal of Hydrogen Energy, 2022, 47, 6837-6847.	7.1	10
4	Amplified electrochemical sensor employing screen-printed electrode modified with Ni-ZIF-67 nanocomposite for high sensitive analysis of Sudan I in present bisphenol A. Food and Chemical Toxicology, 2022, 161, 112824.	3.6	68
5	Synthesis of a new magnetic adsorbent using green tea leaf extract and its application in phenol removal by RSM method. Journal of Materials Science: Materials in Electronics, 2022, 33, 11212-11226.	2.2	1
6	Highly sensitive determination of Bisphenol A in water and milk samples by using magnetic activated carbon â€“ Cobalt nanocomposite-screen printed electrode. Microchemical Journal, 2022, 179, 107466.	4.5	12
7	Graphite carbon nitride-modified screen-printed electrode as a highly sensitive and selective sensor for detection of amaranth. Food and Chemical Toxicology, 2022, 163, 112962.	3.6	14
8	New strategy for selective voltammetric determination of norepinephrine using modified electrode by using benzoyl ferrocene and manganese ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2022, 33, 11813-11824.	2.2	1
9	A Novel Electrochemical Sensor for Epinephrine in the Presence of Acetylcholine Based on Modified Screen-Printed Electrode. Russian Journal of Electrochemistry, 2022, 58, 248-257.	0.9	1
10	Sensitive determination of hydroxylamine by using modified electrode by La2O3â€“Co3O4 nanocomposite and ionic liquid. Materials Chemistry and Physics, 2022, 286, 126209.	4.0	6
11	Synthesis and characterization of coralline CuBiS2 nanocomposite hybridized with reduced graphene oxide: a novel electrocatalyst for ultra-trace detection of insulin in blood serum sample. Journal of Materials Science: Materials in Electronics, 2021, 32, 7340-7348.	2.2	2
12	The Synthesis of Magnetic Activated Carbon/Cobalt Nanocomposite for Fast Removal of Cr(VI) from Wastewater: Kinetics, Thermodynamics, and Adsorption Equilibrium Studies. Russian Journal of Physical Chemistry A, 2021, 95, S33-S43.	0.6	2
13	Green synthesis of Co3O4 nanoparticles by using walnut green skin extract as a reducing agent by using response surface methodology. Surfaces and Interfaces, 2021, 23, 100970.	3.0	12
14	A novel multicomponent TMDC, MoS2â€“WS2â€“CoSx, as an effective electrocatalyst for simultaneous detection ultra-levels of prednisolone and rutin in human body fluids. Microchemical Journal, 2021, 164, 106019.	4.5	10
15	A novel carbon ceramic electrode modified by Fe3O4 magnetic nanoparticles coated with aptamer-immobilized polydopamine: An effective label-free aptasensor for sensitive detection of diclofenac. Microchemical Journal, 2021, 166, 106274.	4.5	17
16	An electrochemical nano-sensor for determination of hydrazine using modified electrode by La2O3â€“Co3O4 nanohybrids and ionic liquid. Journal of Materials Science: Materials in Electronics, 2021, 32, 25258.	2.2	3
17	Application of a Modified Carbon Paste Electrode Using Coreâ€“Shell Magnetic Nanoparticle and Modifier for Simultaneous Determination of Norepinephrine, Acetaminophen and Tryptophan. Russian Journal of Electrochemistry, 2021, 57, 74-84.	0.9	4
18	The removal of methyl violet 2B dye using palm kernel activated carbon: thermodynamic and kinetics model. International Journal of Environmental Science and Technology, 2020, 17, 1773-1782.	3.5	23

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19	MWCNT impregnated with [Fe3+-(5-Br-PADAP)] as an effective and stable nanocatalyst in acidic media for MOR and HER. Materials Chemistry and Physics, 2020, 254, 123568.	4.0	4
20	Fast and efficient removal of Pb(II) ion and malachite green dye from wastewater by using magnetic activated carbonâ€“cobalt nanoparticles. Water Science and Technology, 2020, 82, 829-842.	2.5	19
21	Recent developments in electrochemical sensors for detecting hydrazine with different modified electrodes. RSC Advances, 2020, 10, 30481-30498.	3.6	55
22	Removal of methylene blue and Cd(II) by magnetic activated carbonâ€“cobalt nanoparticles and its application to wastewater purification. International Journal of Environmental Science and Technology, 2020, 17, 4815-4828.	3.5	15
23	Applications of electrochemical sensors and biosensors based on modified screen-printed electrodes: a review. Analytical Methods, 2020, 12, 1547-1560.	2.7	108
24	Synthesis of Co3O4@SiO2 Core/Shellâ€“Nylon 6 Magnetic Nanocomposite as an Adsorbent for Removal of Congo Red from Wastewater. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3199-3212.	3.7	18
25	A novel Co3O4@SiO2 magnetic nanoparticle-nylon 6 for high efficient elimination of Pb(II) ions from wastewater. Applied Surface Science, 2020, 514, 145873.	6.1	18
26	Fast and efficient removal of phenol by magnetic activated carbon-cobalt nanoparticles. Journal of Alloys and Compounds, 2020, 832, 154942.	5.5	57
27	Simultaneous determination of droxidopa and carbidopa by carbon paste electrode functionalized with NiFe2O4 nanoparticle and 2-(4-ferrocenyl-[1,2,3]triazol-1-yl)-1-(naphthalen-2-yl) ethanone. Measurement: Journal of the International Measurement Confederation, 2020, 155, 107522.	5.0	17
28	AgNP-â€œZeolite Aâ€¦NG as a Novel Nanocatalyst for Methanol Electro-Oxidation in Alkaline Setting. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 677-686.	1.5	0
29	Disposable electrochemical sensor based on modified screen printed electrode for sensitive cabergoline quantification. Journal of Electroanalytical Chemistry, 2019, 847, 113223.	3.8	27
30	Rapid preconcentration of palladium and rhodium using magnetic graphene oxide/silicon dioxide nanocomposite prior to FAAS determination. Analytical Methods, 2019, 11, 454-461.	2.7	7
31	Voltammetric Determination of Epinephrine and Uric Acid using Modified Graphene Oxide Nano Sheets Paste Electrode. Journal of Analytical Chemistry, 2019, 74, 345-354.	0.9	10
32	Sensitive detection of trace amounts of copper by a dopamine modified carbon ceramic electrode. Polyhedron, 2019, 168, 88-93.	2.2	7
33	A Novel Electrochemical Sensor Based on Graphene Oxide Nanosheets and Ionic Liquid Binder for Differential Pulse Voltammetric Determination of Droxidopa in Pharmaceutical and Urine Samples. Russian Journal of Electrochemistry, 2019, 55, 1229-1236.	0.9	7
34	Synthesis and characterization of (Co, Fe, Ni)9 S8 nanocomposite supported on reduced graphene oxide as an efficient and stable electrocatalyst for methanol electrooxidation toward DMFC. Journal of Materials Science: Materials in Electronics, 2019, 30, 3521-3529.	2.2	17
35	Electrochemical determination of epinephrine, uric acid and folic acid using a carbon paste electrode modified with novel ferrocene derivative and coreâ€“shell magnetic nanoparticles. Research on Chemical Intermediates, 2019, 45, 1117-1129.	2.7	12
36	Determination of copper, nickel, manganese and cadmium ions in aqueous samples by flame atomic absorption spectrometry after simultaneous coprecipitation with Co(OH)2. Arabian Journal of Chemistry, 2019, 12, 1751-1757.	4.9	30

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37	Carvacrol electrochemical reaction characteristics on screen printed electrode modified with La2O3/Co3O4 nanocomposite. Journal of Electrochemical Science and Engineering, 2019, 9, 113-123.	3.5	11
38	Preparation of Modified Magnetic Cobalt Nanoparticles as a New Magnetic Sorbent for the Preconcentration and Determination of Trace Amounts of Lead Ions in Environmental Water and Soil (Air-Dust) Samples. Communications in Soil Science and Plant Analysis, 2018, 49, 645-657.	1.4	12
39	Nonenzymatic coated screen-printed electrode for electrochemical determination of acetylcholine. Micro and Nano Systems Letters, 2018, 6, .	3.7	23
40	Electrochemical determination of ascorbic acid, uric acid and folic acid using carbon paste electrode modified with novel synthesized ferrocene derivative and coreâ€“shell magnetic nanoparticles in aqueous media. Applied Organometallic Chemistry, 2018, 32, e4551.	3.5	23
41	An innovative synthesis of MoO3/Ag nanocomposite and catalytic application of immobilized molybdenum complex on cellulose extracting from Carthamus tinctorius. Carbohydrate Polymers, 2018, 199, 236-243.	10.2	19
42	Voltammetric Determination of Isoproterenol using a Graphene Oxide Nano Sheets Paste Electrode. Journal of Analytical Chemistry, 2018, 73, 705-712.	0.9	18
43	Carbon Paste Electrode Modified with ZrO2 Nanoparticles and Ionic Liquid for Sensing of Dopamine in the Presence of Uric Acid. Journal of Analytical Chemistry, 2018, 73, 685-694.	0.9	10
44	Flame Atomic Absorption Spectrometric Determination of Cadmium in Vegetable and Water Samples After Preconcentration Using Magnetic Solid-Phase Extraction. International Journal of Vegetable Science, 2017, 23, 304-320.	1.3	14
45	Magnetic Solid-Phase Extraction Based on Modified Iron Oxide Nanoparticles for the Preconcentration of Ultra-Trace Amounts of Copper Ions in the Environmental and Plant Samples and its Determination Using FAAS. Communications in Soil Science and Plant Analysis, 2017, 48, 1359-1368.	1.4	4
46	Effect of Zn toxicity on the level of lipid peroxidation and oxidative enzymes activity in Badami cultivar of pistachio (Pistacia vera L.) colonized by ectomycorrhizal fungus. Indian Journal of Plant Physiology, 2017, 22, 206-212.	0.8	6
47	Determination of hydroxylamine using a carbon paste electrode modified with graphene oxide nano sheets. Russian Journal of Electrochemistry, 2017, 53, 374-379.	0.9	18
48	Determination of Trace Amounts of Cadmium Ions in Water and Plant Samples Using Ligand-Less Solid Phase Extraction-Based Modified Co₃O₄ Nanoparticles. Communications in Soil Science and Plant Analysis, 2017, 48, 1921-1930.	1.4	8
49	Graphite Furnace Atomic Absorption Spectrometry After Dispersive Liquidâ€“Liquid Microextraction for the Determination of Selenium in the Anodic Slime. Communications in Soil Science and Plant Analysis, 2017, 48, 2496-2505.	1.4	0
50	Applicability of cloud point extraction for the separation trace amount of lead ion in environmental and biological samples prior to determination by flame atomic absorption spectrometry. Arabian Journal of Chemistry, 2016, 9, S610-S615.	4.9	33
51	Solid phase extraction of trace amounts of zinc and cadmium ions using perlite as a supper sorbent. Bulletin of the Chemical Society of Ethiopia, 2016, 30, 175.	1.1	4
52	Growth responses and accumulation of heavy metals by fungus Agaricus bisporus. Acta Botanica Hungarica, 2016, 58, 401-409.	0.3	1
53	Simultaneous separation-preconcentration and determination of trace amounts of mercury and cadmium in fruits, vegetables and biological samples. Journal of Analytical Chemistry, 2016, 71, 42-49.	0.9	10
54	Nanomolar Determination of Methyldopa in the Presence of Large Amounts of Hydrochlorothiazide Using a Carbon Paste Electrode Modified with Graphene Oxide Nanosheets and 3â€(4â€²â€Aminoâ€3â€²â€hydroxyâ€biphenylâ€4â€yl)â€acrylic Acid. Electroanalysis, 2015, 27, 2421-2430.	2.9	14

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55	Electrochemical determination of hydrazine using a ZrO2 nanoparticles-modified carbon paste electrode. Environmental Monitoring and Assessment, 2015, 187, 122.	2.7	40
56	Selective Ligandless Cloud Point Extraction of Palladium from Water and Dust Samples. Journal of AOAC INTERNATIONAL, 2015, 98, 201-205.	1.5	4
57	Removal of some heavy metals from inorganic industrial wastewaters by ion exchange method. Journal of Water Chemistry and Technology, 2015, 37, 191-199.	0.6	33
58	A new sorbent based on MWCNTs modification for separation/preconcentration of trace amounts of Cd(II), Cr(III), Cu(II), Ni(II), and Pb(II) and their determination by flame atomic absorption spectrometry. Journal of Analytical Science and Technology, 2015, 6, .	2.1	11
59	Simultaneous Separation and Preconcentration of Trace Amounts of Cu(II), Ni(II), Zn(II), and Cd(II) with Modified Nanoporous Pumpellyite Zeolite. Journal of AOAC INTERNATIONAL, 2015, 98, 828-833.	1.5	2
60	REMOVAL OF Pb(II) IONS AND MALACHITE GREEN DYE FROM WASTEWATER BY ACTIVATED CARBON PRODUCED FROM LEMON PEEL. Quimica Nova, 2014, , .	0.3	7
61	LIGANDLESS CLOUD POINT EXTRACTION OF TRACE AMOUNTS OF PALLADIUM AND RHODIUM IN ROAD DUST SAMPLES USING SPAN 80 PRIOR TO THEIR DETERMINATION BY FLAME ATOMIC ABSORPTION SPECTROMETRY. Quimica Nova, 2014, , .	0.3	1
62	Separation/Preconcentration and Speciation Analysis of Trace Amounts of Arsenate and Arsenite in Water Samples Using Modified Magnetite Nanoparticles and Molybdenum Blue Method. Journal of Chemistry, 2014, 2014, 1-9.	1.9	15
63	Ionic liquid-based dispersive liquidâ€“liquid microextraction for the separation and preconcentration of lead in water samples prior to FAAS determination without chelating agent. International Journal of Environmental Analytical Chemistry, 2014, 94, 765-773.	3.3	14
64	Voltammetric determination of hydroxylamine in water samples using a 1-benzyl-4-ferrocenyl-1H-[1,2,3]-triazole/carbon nanotube-modified glassy carbon electrode. Ionics, 2014, 20, 571-579.	2.4	48
65	High surface area-activated carbon from Glycyrrhiza glabra residue by ZnCl2 activation for removal of Pb(II) and Ni(II) from water samples. Journal of Industrial and Engineering Chemistry, 2014, 20, 4112-4118.	5.8	47
66	Speciation Analysis of Cr(III) and Cr(VI) after Solid Phase Extraction Using Modified Magnetite Nanoparticles. Journal of the Chinese Chemical Society, 2013, 60, 1339-1346.	1.4	14
67	Simultaneous extraction of trace amounts of cobalt, nickel and copper ions using magnetic iron oxide nanoparticles without chelating agent. Journal of Analytical Chemistry, 2013, 68, 953-958.	0.9	19
68	Separation of trace amounts palladium by SiO2/TiO2/Ce nanoparticles prior to flame atomic absorption spectrometry determination in anodic slime and wastewater samples. Open Chemistry, 2013, 11, 1749-1756.	1.9	1
69	Ligand-less in situ surfactant-based solid phase extraction for preconcentration of silver from natural water samples prior to its determination by atomic absorption spectroscopy. Toxicological and Environmental Chemistry, 2013, 95, 1299-1308.	1.2	10
70	Solid phase extraction of trace amounts of silver (I) using dithizone-immobilized alumina-coated magnetite nanoparticles prior to determination by flame atomic absorption spectrometry. International Journal of Environmental Analytical Chemistry, 2012, 92, 1325-1340.	3.3	23
71	Preconcentration of Trace Amounts of Pb(II) Ions without Any Chelating Agent by Using Magnetic Iron Oxide Nanoparticles prior to ETAAS Determination. Scientific World Journal, The, 2012, 2012, 1-6.	2.1	12
72	Solid phase extraction of trace amounts of Pb(II) in opium, heroin, lipstick, plants and water samples using modified magnetite nanoparticles prior to its atomic absorption determination. Journal of the Iranian Chemical Society, 2012, 9, 171-180.	2.2	19

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73	One-Pot and Efficient Synthesis of Triazolo[1,2-a]indazole-triones via Reaction of Arylaldehydes with Urazole and Dimedone Catalyzed by Silica Nanoparticles Prepared from Rice Husk. Molecules, 2011, 16, 9041-9048.	3.8	38
74	Determination of silver(I) by flame atomic absorption spectrometry after separation/preconcentration using modified magnetite nanoparticles. Scientia Iranica, 2011, 18, 790-796.	0.4	50
75	Determination of trace amounts of Pd(II) and Rh(III) ions in Ptâ€“Ir alloy and road dust samples by flame atomic absorption spectrometry after simultaneous separation and preconcentration on non-modified magnetic nanoparticles. Scientia Iranica, 2011, 18, 1636-1642.	0.4	24
76	Flame atomic absorption spectrometric determination of trace amounts of palladium, gold and nickel after cloud point extraction. Journal of Analytical Chemistry, 2011, 66, 620-625.	0.9	19
77	Flame Atomic Absorption Spectrometry Determination of Trace Amounts of Nickel Ions in Water Samples after Ligandless Ultrasound-assisted Emulsification Microextraction. Analytical Sciences, 2010, 26, 973-977.	1.6	22
78	Flame atomic absorption spectrometric determination of trace amounts of lead, cadmium and nickel in different matrixes after solid phase extraction on modified multiwalled carbon nanotubes. Open Chemistry, 2010, 8, 662-668.	1.9	66
79	Preparation and characterization of activated carbon from Amygdalus Scoparia shell by chemical activation and its application for removal of lead from aqueous solutions. Open Chemistry, 2010, 8, 1273-1280.	1.9	5
80	Determination of trace amounts of palladium by flame atomic absorption spectrometry after ligandless-dispersive liquidâ€“liquid microextraction. Mikrochimica Acta, 2010, 168, 123-128.	5.0	46
81	Flame Atomic Absorption Spectrometry Determination of Trace Amounts of Cadmium and Zinc in Water Samples after Preconcentration onto Modified Amberlite XADâ€4 Resin. Clean - Soil, Air, Water, 2010, 38, 140-145.	1.1	16
82	Removal of Pb(II) from aqueous solutions using activated carbon from Sea-buckthorn stones by chemical activation. Desalination, 2010, 262, 86-93.	8.2	105
83	Ligandless-dispersive liquidâ€“liquid microextraction of trace amount of copper ions. Analytica Chimica Acta, 2009, 653, 173-177.	5.4	86
84	Ligandless dispersive liquidâ€“liquid microextraction for the separation of trace amounts of silver ions in water samples and flame atomic absorption spectrometry determination. Talanta, 2009, 80, 875-879.	5.5	77
85	Preconcentration of cadmium and copper ions on magnetic coreâ€“shell nanoparticles for determination by flame atomic absorption. Toxicological and Environmental Chemistry, 0, , 1-9.	1.2	2
86	Electrochemical determination of tramadol using modified screen printed electrode. Journal of Electrochemical Science and Engineering, 0, , .	3.5	1