

Sayed Zia Mohammadi

List of Publications by Year in descending order

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papers

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citations

304743

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h-index

345221

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89
all docs

89
docs citations

89
times ranked

1778
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of electrochemical sensors and biosensors based on modified screen-printed electrodes: a review. <i>Analytical Methods</i> , 2020, 12, 1547-1560.	2.7	108
2	Removal of Pb(II) from aqueous solutions using activated carbon from Sea-buckthorn stones by chemical activation. <i>Desalination</i> , 2010, 262, 86-93.	8.2	105
3	Ligandless-dispersive liquid-liquid microextraction of trace amount of copper ions. <i>Analytica Chimica Acta</i> , 2009, 653, 173-177.	5.4	86
4	Ligandless dispersive liquid-liquid microextraction for the separation of trace amounts of silver ions in water samples and flame atomic absorption spectrometry determination. <i>Talanta</i> , 2009, 80, 875-879.	5.5	77
5	Amplified electrochemical sensor employing screen-printed electrode modified with Ni-ZIF-67 nanocomposite for high sensitive analysis of Sudan I in present bisphenol A. <i>Food and Chemical Toxicology</i> , 2022, 161, 112824.	3.6	68
6	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. <i>Open Chemistry</i> , 2010, 8, 662-668.	1.9	66
7	Fast and efficient removal of phenol by magnetic activated carbon-cobalt nanoparticles. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154942.	5.5	57
8	Recent developments in electrochemical sensors for detecting hydrazine with different modified electrodes. <i>RSC Advances</i> , 2020, 10, 30481-30498.	3.6	55
9	Determination of silver(I) by flame atomic absorption spectrometry after separation/preconcentration using modified magnetite nanoparticles. <i>Scientia Iranica</i> , 2011, 18, 790-796.	0.4	50
10	Voltammetric determination of hydroxylamine in water samples using a 1-benzyl-4-ferrocenyl-1H-[1,2,3]-triazole/carbon nanotube-modified glassy carbon electrode. <i>Ionics</i> , 2014, 20, 571-579.	2.4	48
11	High surface area-activated carbon from Glycyrrhiza glabra residue by ZnCl ₂ activation for removal of Pb(II) and Ni(II) from water samples. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4112-4118.	5.8	47
12	Determination of trace amounts of palladium by flame atomic absorption spectrometry after ligandless-dispersive liquid-liquid microextraction. <i>Mikrochimica Acta</i> , 2010, 168, 123-128.	5.0	46
13	Electrochemical determination of hydrazine using a ZrO ₂ nanoparticles-modified carbon paste electrode. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 122.	2.7	40
14	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. <i>Molecules</i> , 2011, 16, 9041-9048.	3.8	38
15	Removal of some heavy metals from inorganic industrial wastewaters by ion exchange method. <i>Journal of Water Chemistry and Technology</i> , 2015, 37, 191-199.	0.6	33
16	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. <i>Arabian Journal of Chemistry</i> , 2016, 9, S610-S615.	4.9	33
17	Determination of copper, nickel, manganese and cadmium ions in aqueous samples by flame atomic absorption spectrometry after simultaneous coprecipitation with Co(OH) ₂ . <i>Arabian Journal of Chemistry</i> , 2019, 12, 1751-1757.	4.9	30
18	Disposable electrochemical sensor based on modified screen printed electrode for sensitive cabergoline quantification. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113223.	3.8	27

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19	Determination of trace amounts of Pd(II) and Rh(III) ions in Pt-Ir alloy and road dust samples by flame atomic absorption spectrometry after simultaneous separation and preconcentration on non-modified magnetic nanoparticles. <i>Scientia Iranica</i> , 2011, 18, 1636-1642.	0.4	24
20	Solid phase extraction of trace amounts of silver (I) using dithizone-immobilized alumina-coated magnetite nanoparticles prior to determination by flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1325-1340.	3.3	23
21	Nonenzymatic coated screen-printed electrode for electrochemical determination of acetylcholine. <i>Micro and Nano Systems Letters</i> , 2018, 6, .	3.7	23
22	Electrochemical determination of ascorbic acid, uric acid and folic acid using carbon paste electrode modified with novel synthesized ferrocene derivative and core-shell magnetic nanoparticles in aqueous media. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4551.	3.5	23
23	The removal of methyl violet 2B dye using palm kernel activated carbon: thermodynamic and kinetics model. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1773-1782.	3.5	23
24	Flame Atomic Absorption Spectrometry Determination of Trace Amounts of Nickel Ions in Water Samples after Ligandless Ultrasound-assisted Emulsification Microextraction. <i>Analytical Sciences</i> , 2010, 26, 973-977.	1.6	22
25	Flame atomic absorption spectrometric determination of trace amounts of palladium, gold and nickel after cloud point extraction. <i>Journal of Analytical Chemistry</i> , 2011, 66, 620-625.	0.9	19
26	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. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 171-180.	2.2	19
27	Simultaneous extraction of trace amounts of cobalt, nickel and copper ions using magnetic iron oxide nanoparticles without chelating agent. <i>Journal of Analytical Chemistry</i> , 2013, 68, 953-958.	0.9	19
28	An innovative synthesis of MoO ₃ /Ag nanocomposite and catalytic application of immobilized molybdenum complex on cellulose extracting from <i>Carthamus tinctorius</i> . <i>Carbohydrate Polymers</i> , 2018, 199, 236-243.	10.2	19
29	Fast and efficient removal of Pb(II) ion and malachite green dye from wastewater by using magnetic activated carbon-cobalt nanoparticles. <i>Water Science and Technology</i> , 2020, 82, 829-842.	2.5	19
30	Determination of hydroxylamine using a carbon paste electrode modified with graphene oxide nano sheets. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 374-379.	0.9	18
31	Voltammetric Determination of Isoproterenol using a Graphene Oxide Nano Sheets Paste Electrode. <i>Journal of Analytical Chemistry</i> , 2018, 73, 705-712.	0.9	18
32	Synthesis of Co ₃ O ₄ @SiO ₂ Core/Shell-Nylon 6 Magnetic Nanocomposite as an Adsorbent for Removal of Congo Red from Wastewater. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3199-3212.	3.7	18
33	A novel Co ₃ O ₄ @SiO ₂ magnetic nanoparticle-nylon 6 for high efficient elimination of Pb(II) ions from wastewater. <i>Applied Surface Science</i> , 2020, 514, 145873.	6.1	18
34	Synthesis and characterization of (Co, Fe, Ni) ₉ S ₈ nanocomposite supported on reduced graphene oxide as an efficient and stable electrocatalyst for methanol electrooxidation toward DMFC. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3521-3529.	2.2	17
35	A novel carbon ceramic electrode modified by Fe ₃ O ₄ magnetic nanoparticles coated with aptamer-immobilized polydopamine: An effective label-free aptasensor for sensitive detection of diclofenac. <i>Microchemical Journal</i> , 2021, 166, 106274.	4.5	17
36	Simultaneous determination of droxidopa and carbidopa by carbon paste electrode functionalized with NiFe ₂ O ₄ nanoparticle and 2-(4-ferrocenyl-[1,2,3]triazol-1-yl)-1-(naphthalen-2-yl) ethanone. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 155, 107522.	5.0	17

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37	Flame Atomic Absorption Spectrometry Determination of Trace Amounts of Cadmium and Zinc in Water Samples after Preconcentration onto Modified Amberlite XAD ⁴ Resin. <i>Clean - Soil, Air, Water</i> , 2010, 38, 140-145.	1.1	16
38	Separation/Preconcentration and Speciation Analysis of Trace Amounts of Arsenate and Arsenite in Water Samples Using Modified Magnetite Nanoparticles and Molybdenum Blue Method. <i>Journal of Chemistry</i> , 2014, 2014, 1-9.	1.9	15
39	Removal of methylene blue and Cd(II) by magnetic activated carbon ⁴ -cobalt nanoparticles and its application to wastewater purification. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4815-4828.	3.5	15
40	Speciation Analysis of Cr(III) and Cr(VI) after Solid Phase Extraction Using Modified Magnetite Nanoparticles. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1339-1346.	1.4	14
41	Ionic liquid-based dispersive liquid ⁴ -liquid microextraction for the separation and preconcentration of lead in water samples prior to FAAS determination without chelating agent. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 765-773.	3.3	14
42	Nanomolar Determination of Methyl dopa in the Presence of Large Amounts of Hydrochlorothiazide Using a Carbon Paste Electrode Modified with Graphene Oxide Nanosheets and 3-((4-aminophenyl)hydroxy)phenyl)acrylic Acid. <i>Electroanalysis</i> , 2015, 27, 2421-2430.	2.9	14
43	Flame Atomic Absorption Spectrometric Determination of Cadmium in Vegetable and Water Samples After Preconcentration Using Magnetic Solid-Phase Extraction. <i>International Journal of Vegetable Science</i> , 2017, 23, 304-320.	1.3	14
44	Graphite carbon nitride-modified screen-printed electrode as a highly sensitive and selective sensor for detection of amaranth. <i>Food and Chemical Toxicology</i> , 2022, 163, 112962.	3.6	14
45	Preconcentration of Trace Amounts of Pb(II) Ions without Any Chelating Agent by Using Magnetic Iron Oxide Nanoparticles prior to ETAAS Determination. <i>Scientific World Journal</i> , The, 2012, 2012, 1-6.	2.1	12
46	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. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 645-657.	1.4	12
47	Electrochemical determination of epinephrine, uric acid and folic acid using a carbon paste electrode modified with novel ferrocene derivative and core ⁴ -shell magnetic nanoparticles. <i>Research on Chemical Intermediates</i> , 2019, 45, 1117-1129.	2.7	12
48	Green synthesis of Co ₃ O ₄ nanoparticles by using walnut green skin extract as a reducing agent by using response surface methodology. <i>Surfaces and Interfaces</i> , 2021, 23, 100970.	3.0	12
49	Highly sensitive determination of Bisphenol A in water and milk samples by using magnetic activated carbon ⁴ -Cobalt nanocomposite-screen printed electrode. <i>Microchemical Journal</i> , 2022, 179, 107466.	4.5	12
50	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. <i>Journal of Analytical Science and Technology</i> , 2015, 6, .	2.1	11
51	Carvacrol electrochemical reaction characteristics on screen printed electrode modified with La ₂ O ₃ /Co ₃ O ₄ nanocomposite. <i>Journal of Electrochemical Science and Engineering</i> , 2019, 9, 113-123.	3.5	11
52	Ligand-less <i>in situ</i> surfactant-based solid phase extraction for preconcentration of silver from natural water samples prior to its determination by atomic absorption spectroscopy. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1299-1308.	1.2	10
53	Simultaneous separation-preconcentration and determination of trace amounts of mercury and cadmium in fruits, vegetables and biological samples. <i>Journal of Analytical Chemistry</i> , 2016, 71, 42-49.	0.9	10
54	Carbon Paste Electrode Modified with ZrO ₂ Nanoparticles and Ionic Liquid for Sensing of Dopamine in the Presence of Uric Acid. <i>Journal of Analytical Chemistry</i> , 2018, 73, 685-694.	0.9	10

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55	Voltammetric Determination of Epinephrine and Uric Acid using Modified Graphene Oxide Nano Sheets Paste Electrode. <i>Journal of Analytical Chemistry</i> , 2019, 74, 345-354.	0.9	10
56	A novel multicomponent TMDC, MoS ₂ â€“WS ₂ â€“CoS _x , as an effective electrocatalyst for simultaneous detection ultra-levels of prednisolone and rutin in human body fluids. <i>Microchemical Journal</i> , 2021, 164, 106019.	4.5	10
57	Cobalt nanoparticles introduced to activated carbon, CoNP/AC, as an effective electrocatalyst for oxidation and determination of methanol and ethanol. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6837-6847.	7.1	10
58	Determination of Trace Amounts of Cadmium Ions in Water and Plant Samples Using Ligand-Less Solid Phase Extraction-Based Modified Co ₃ O ₄ Nanoparticles. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1921-1930.	1.4	8
59	REMOVAL OF Pb(II) IONS AND MALACHITE GREEN DYE FROM WASTEWATER BY ACTIVATED CARBON PRODUCED FROM LEMON PEEL. <i>Quimica Nova</i> , 2014, , .	0.3	7
60	Rapid preconcentration of palladium and rhodium using magnetic graphene oxide/silicon dioxide nanocomposite prior to FAAS determination. <i>Analytical Methods</i> , 2019, 11, 454-461.	2.7	7
61	Sensitive detection of trace amounts of copper by a dopamine modified carbon ceramic electrode. <i>Polyhedron</i> , 2019, 168, 88-93.	2.2	7
62	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. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 1229-1236.	0.9	7
63	Effect of Zn toxicity on the level of lipid peroxidation and oxidative enzymes activity in Badami cultivar of pistachio (<i>Pistacia vera</i> L.) colonized by ectomycorrhizal fungus. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 206-212.	0.8	6
64	Sensitive determination of hydroxylamine by using modified electrode by La ₂ O ₃ â€“Co ₃ O ₄ nanocomposite and ionic liquid. <i>Materials Chemistry and Physics</i> , 2022, 286, 126209.	4.0	6
65	Preparation and characterization of activated carbon from <i>Amygdalus Scoparia</i> shell by chemical activation and its application for removal of lead from aqueous solutions. <i>Open Chemistry</i> , 2010, 8, 1273-1280.	1.9	5
66	Recent Advantages of Mediator Based Chemically Modified Electrodes; Powerful Approach in Electroanalytical Chemistry. <i>Current Analytical Chemistry</i> , 2022, 18, 6-30.	1.2	5
67	Selective Ligandless Cloud Point Extraction of Palladium from Water and Dust Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 201-205.	1.5	4
68	Solid phase extraction of trace amounts of zinc and cadmium ions using perlite as a supper sorbent. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2016, 30, 175.	1.1	4
69	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. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1359-1368.	1.4	4
70	MWCNT impregnated with [Fe ³⁺ -(5-Br-PADAP)] as an effective and stable nanocatalyst in acidic media for MOR and HER. <i>Materials Chemistry and Physics</i> , 2020, 254, 123568.	4.0	4
71	Application of a Modified Carbon Paste Electrode Using Coreâ€“Shell Magnetic Nanoparticle and Modifier for Simultaneous Determination of Norepinephrine, Acetaminophen and Tryptophan. <i>Russian Journal of Electrochemistry</i> , 2021, 57, 74-84.	0.9	4
72	An electrochemical nano-sensor for determination of hydrazine using modified electrode by La ₂ O ₃ â€“Co ₃ O ₄ nanohybrids and ionic liquid. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 25258.	2.2	3

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73	Simultaneous Separation and Preconcentration of Trace Amounts of Cu(II), Ni(II), Zn(II), and Cd(II) with Modified Nanoporous Pumpellyite Zeolite. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 828-833.	1.5	2
74	Preconcentration of cadmium and copper ions on magnetic core-shell nanoparticles for determination by flame atomic absorption. <i>Toxicological and Environmental Chemistry</i> , 0, , 1-9.	1.2	2
75	Synthesis and characterization of coralline CuBiS ₂ nanocomposite hybridized with reduced graphene oxide: a novel electrocatalyst for ultra-trace detection of insulin in blood serum sample. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7340-7348.	2.2	2
76	The Synthesis of Magnetic Activated Carbon/Cobalt Nanocomposite for Fast Removal of Cr(VI) from Wastewater: Kinetics, Thermodynamics, and Adsorption Equilibrium Studies. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, S33-S43.	0.6	2
77	Separation of trace amounts palladium by SiO ₂ /TiO ₂ /Ce nanoparticles prior to flame atomic absorption spectrometry determination in anodic slime and wastewater samples. <i>Open Chemistry</i> , 2013, 11, 1749-1756.	1.9	1
78	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. <i>Quimica Nova</i> , 2014, , .	0.3	1
79	Growth responses and accumulation of heavy metals by fungus <i>Agaricus bisporus</i> . <i>Acta Botanica Hungarica</i> , 2016, 58, 401-409.	0.3	1
80	Synthesis of a new magnetic adsorbent using green tea leaf extract and its application in phenol removal by RSM method. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 11212-11226.	2.2	1
81	Electrochemical determination of tramadol using modified screen printed electrode. <i>Journal of Electrochemical Science and Engineering</i> , 0, , .	3.5	1
82	New strategy for selective voltammetric determination of norepinephrine using modified electrode by using benzoyl ferrocene and manganese ferrite nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 11813-11824.	2.2	1
83	A Novel Electrochemical Sensor for Epinephrine in the Presence of Acetylcholine Based on Modified Screen-Printed Electrode. <i>Russian Journal of Electrochemistry</i> , 2022, 58, 248-257.	0.9	1
84	Graphite Furnace Atomic Absorption Spectrometry After Dispersive Liquid-Liquid Microextraction for the Determination of Selenium in the Anodic Slime. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 2496-2505.	1.4	0
85	Density functional theory calculations and molecular docking of 2-phenylbenzimidazoles with estrogen receptor for quantitative structure-activity relationship studies. <i>Journal of the Serbian Chemical Society</i> , 2022, 87, 193-203.	0.8	0
86	AgNP-Zeolite A-NC as a Novel Nanocatalyst for Methanol Electro-Oxidation in Alkaline Setting. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2020, 44, 677-686.	1.5	0