

Hossein Abdolmohammad-Zadeh

List of Publications by Year in descending order

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63
papers

1,787
citations

236925

25
h-index

289244

40
g-index

63
all docs

63
docs citations

63
times ranked

2015
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot synthesis of nickel oxide/nickel ferrite nanocomposite and application to dispersive magnetic solid-phase extraction of zinc(II) ions in water and milk samples. <i>Journal of Food Composition and Analysis</i> , 2022, 109, 104493.	3.9	8
2	Fluorescence resonance energy transfer between carbon quantum dots and silver nanoparticles: Application to mercuric ion sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118924.	3.9	24
3	Facile preparation and application of Al _x MgFe _{2-x} O ₄ nanoparticles as a magnetic nano-sorbent for preconcentration of cadmium. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157203.	5.5	5
4	A fluorescent biosensor based on graphene quantum dots/zirconium-based metal-organic framework nanocomposite as a peroxidase mimic for cholesterol monitoring in human serum. <i>Microchemical Journal</i> , 2021, 164, 106001.	4.5	22
5	Nickel oxide/nickel ferrite/layered double hydroxide nanocomposite as a novel magnetic adsorbent for chromium speciation. <i>Microchemical Journal</i> , 2021, 165, 106153.	4.5	9
6	A magnetic adsorbent based on salicylic acid-immobilized magnetite nano-particles for pre-concentration of Cd(II) ions. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 450-459.	4.4	8
7	Application of Co ₃ O ₄ nanoparticles as an efficient nano-sorbent for solid-phase extraction of zinc(II) ions. <i>Microchemical Journal</i> , 2020, 153, 104268.	4.5	10
8	Preconcentration of mercury(II) using a magnetite@carbon/dithizone nanocomposite, and its quantification by anodic stripping voltammetry. <i>Mikrochimica Acta</i> , 2020, 187, 2.	5.0	30
9	In situ generation of H ₂ O ₂ by a layered double hydroxide as a visible light nano-photocatalyst: Application to bisphenol A quantification. <i>Microchemical Journal</i> , 2020, 158, 105303.	4.5	10
10	Utilizing a Nanocomposite Based on Ion-Imprinted Polydopamine-Coated Magnetic Graphene Oxide for Extraction of Cd(II) and Ni(II) from Water Samples. <i>Journal of Analytical Chemistry</i> , 2020, 75, 967-974.	0.9	7
11	Extraction of four endocrine-disrupting chemicals using a Fe ₃ O ₄ /graphene oxide/di-(2-ethylhexyl) phosphoric acid nano-composite, and their quantification by HPLC-UV. <i>Microchemical Journal</i> , 2020, 157, 104964.	4.5	11
12	A simple magnetic solid-phase extraction method based on magnetite/graphene oxide nanocomposite for pre-concentration and determination of melamine by high-performance liquid chromatography. <i>Environmental Science and Pollution Research</i> , 2020, 27, 9826-9834.	5.3	21
13	A novel chemiluminescent-based nano-probe for ultra-trace quantification of dopamine in human plasma samples. <i>Microchemical Journal</i> , 2020, 155, 104704.	4.5	7
14	Air-assisted liquid-liquid extraction coupled with dispersive liquid-liquid microextraction and a drying step for extraction and preconcentration of some phthalate esters from edible oils prior to their determination by GC. <i>Journal of Separation Science</i> , 2019, 42, 736-743.	2.5	9
15	Magnetic solid-phase extraction based on Ni-Al layered double hydroxide/magnetite nano-hybrid for speciation of Mn(II)/Mn(III) in water samples by FAAS. <i>Analytical Methods</i> , 2019, 11, 462-471.	2.7	17
16	Nickel oxide/chitosan nano-composite as a magnetic adsorbent for pre-concentration of Zn(II) ions. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 488, 165311.	2.3	26
17	A turn-on/off fluorescent sensor based on nano-structured Mg-Al layered double hydroxide intercalated with salicylic acid for monitoring of ferric ion in human serum samples. <i>Analytica Chimica Acta</i> , 2019, 1061, 152-160.	5.4	32
18	Preconcentration of morphine and codeine using a magnetite/reduced graphene oxide/silver nano-composite and their determination by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2019, 1590, 2-9.	3.7	30

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19	Preconcentration of Pb(II) by using Mg(II)-doped NiFe ₂ O ₄ nanoparticles as a magnetic solid phase extraction agent. <i>Mikrochimica Acta</i> , 2018, 185, 343.	5.0	20
20	Aluminum(III)-doped ZnO@Fe ₃ O ₄ nanocomposite as a magnetic sorbent for preconcentration of cadmium(II). <i>Mikrochimica Acta</i> , 2017, 184, 1641-1648.	5.0	11
21	Preparation of ionic liquid-modified SiO ₂ @Fe ₃ O ₄ nanocomposite as a magnetic sorbent for use in solid-phase extraction of zinc(II) ions from milk and water samples. <i>RSC Advances</i> , 2017, 7, 23293-23300.	3.6	14
22	Development and validation of a novel fluorometric sensor for hydrogen peroxide monitoring in exhaled breath condensate. <i>Analytical Methods</i> , 2017, 9, 4371-4379.	2.7	10
23	Sol-gel processed pyridinium ionic liquid-modified silica as a new sorbent for separation and quantification of iron in water samples. <i>Arabian Journal of Chemistry</i> , 2016, 9, S587-S594.	4.9	14
24	A novel chemosensor based on graphitic carbon nitride quantum dots and potassium ferricyanide chemiluminescence system for Hg(II) ion detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 258-266.	7.8	81
25	Solid-phase extraction of L-tryptophan from food samples utilizing a layered double hydroxide nano-sorbent prior to its determination by spectrofluorometry. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1115-1122.	2.2	6
26	Utilizing of Ag@AgCl@graphene oxide@Fe ₃ O ₄ nanocomposite as a magnetic plasmonic nanophotocatalyst in light-initiated H ₂ O ₂ generation and chemiluminescence detection of nitrite. <i>Talanta</i> , 2015, 144, 769-777.	5.5	33
27	Silica-coated Mn ₃ O ₄ nanoparticles coated with an ionic liquid for use in solid phase extraction of silver(I) ions prior to their determination by AAS. <i>Mikrochimica Acta</i> , 2015, 182, 1447-1456.	5.0	20
28	CoFe ₂ O ₄ nano-particles functionalized with 8-hydroxyquinoline for dispersive solid-phase micro-extraction and direct fluorometric monitoring of aluminum in human serum and water samples. <i>Analytica Chimica Acta</i> , 2015, 881, 54-64.	5.4	37
29	A novel chemosensor for Ag(I) ion based on its inhibitory effect on the luminol-H ₂ O ₂ chemiluminescence response improved by CoFe ₂ O ₄ nano-particles. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 496-504.	7.8	27
30	Magnetic solid phase extraction of gemfibrozil from human serum and pharmaceutical wastewater samples utilizing a β -cyclodextrin grafted graphene oxide-magnetite nano-hybrid. <i>Talanta</i> , 2015, 134, 387-393.	5.5	41
31	Synthesis, Characterization, and Application of Zn-Al Layered Double Hydroxide as a Nano-Sorbent for the Removal of Direct Red 16 from Industrial Wastewater Effluents. <i>Chemical Engineering Communications</i> , 2015, 202, 1349-1359.	2.6	16
32	Utilizing a nano-sorbent for the selective solid-phase extraction of vanillic acid prior to its determination by photoluminescence spectroscopy. <i>Luminescence</i> , 2014, 29, 1162-1168.	2.9	4
33	Speciation of As(III)/As(V) in water samples by a magnetic solid phase extraction based on Fe ₃ O ₄ /Mg-Al layered double hydroxide nano-hybrid followed by chemiluminescence detection. <i>Talanta</i> , 2014, 128, 147-155.	5.5	37
34	An innovative nano-sorbent for selective solid-phase extraction and spectrophotometric determination of <i>p</i> -aminobenzoic acid in cosmetic products. <i>International Journal of Cosmetic Science</i> , 2014, 36, 140-147.	2.6	11
35	Monitoring of thiocyanate as a biomarker in saliva and serum samples by a combination of solid-phase extraction based on a layered double hydroxide nano-sorbent and gas chromatography. <i>Analytical Methods</i> , 2014, 6, 3661-3667.	2.7	16
36	Magnetite-doped eggshell membrane as a magnetic sorbent for extraction of aluminum(III) ions prior to their fluorometric determination. <i>Mikrochimica Acta</i> , 2014, 181, 1797-1805.	5.0	14

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37	Trace analysis of mefenamic acid in human serum and pharmaceutical wastewater samples after pre-concentration with Ni-Al layered double hydroxide nano-particles. Journal of Pharmaceutical Analysis, 2014, 4, 331-338.	5.3	23
38	Zinc-aluminum layered double hydroxide as a nano-sorbent for removal of Reactive Yellow 84 dye from textile wastewater effluents. Journal of the Iranian Chemical Society, 2013, 10, 1103-1112.	2.2	16
39	Ultratrace determination of arsenic in water samples by electrothermal atomic absorption spectrometry after pre-concentration with Mg-Al-Fe ternary layered double hydroxide nano-sorbent. Talanta, 2013, 116, 604-610.	5.5	36
40	Serum selenium levels of the very low birth weight premature newborn infants with bronchopulmonary dysplasia. Journal of Trace Elements in Medicine and Biology, 2013, 27, 317-321.	3.0	9
41	Optimization of solid-phase extraction based on a new sol-gel material using a response surface methodology for the determination of copper in water samples by flame atomic absorption spectrometry. International Journal of Environmental Analytical Chemistry, 2013, 93, 279-297.	3.3	5
42	Nickel-aluminum layered double hydroxide as a nano-sorbent for the solid phase extraction of selenium, and its determination by continuous flow HG-AAS. Mikrochimica Acta, 2013, 180, 619-626.	5.0	46
43	penicillamine capped cadmium telluride quantum dots as a novel fluorometric sensor of copper(II). Luminescence, 2013, 28, 503-509.	2.9	14
44	Optimization of cloud point extraction procedure with response surface methodology for quantification of iron by means of flame atomic absorption spectrometry. Journal of the Serbian Chemical Society, 2013, 78, 115-127.	0.8	4
45	A nano-structured material for reliable speciation of chromium and manganese in drinking waters, surface waters and industrial wastewater effluents. Talanta, 2012, 94, 201-208.	5.5	63
46	Dispersive solid phase micro-extraction of dopamine from human serum using a nano-structured Ni-Al layered double hydroxide, and its direct determination by spectrofluorometry. Mikrochimica Acta, 2012, 179, 25-32.	5.0	38
47	Determination of Iodate in Food, Environmental, and Biological Samples after Solid-Phase Extraction with Ni-Al-Zr Ternary Layered Double Hydroxide as a Nanosorbent. Scientific World Journal, The, 2012, 2012, 1-8.	2.1	26
48	Determination of mesalamine by spectrofluorometry in human serum after solid-phase extraction with Ni-Al layered double hydroxide as a nanosorbent. Journal of the Brazilian Chemical Society, 2012, 23, 473-481.	0.6	31
49	An inorganic nano-sorbent based on nickel-aluminum-zirconium ternary-layered double hydroxide for solid-phase extraction of chloride ions. Journal of the Iranian Chemical Society, 2012, 9, 559-568.	2.2	3
50	Determination of Selenium in Serum Samples of Preterm Newborn Infants with Bronchopulmonary Dysplasia Using a Validated Hydride Generation System. Biological Trace Element Research, 2012, 147, 1-7.	3.5	20
51	Nickel-aluminum layered double hydroxide as a nanosorbent for selective solid-phase extraction and spectrofluorometric determination of salicylic acid in pharmaceutical and biological samples. Talanta, 2011, 84, 368-373.	5.5	59
52	Ligandless cloud point extraction for trace nickel determination in water samples by flame atomic absorption spectrometry. Journal of the Brazilian Chemical Society, 2011, 22, 517-524.	0.6	13
53	Layered double hydroxides: A novel nano-sorbent for solid-phase extraction. Analytica Chimica Acta, 2011, 685, 212-219.	5.4	75
54	Determination of cobalt in water samples by atomic absorption spectrometry after pre-concentration with a simple ionic liquid-based dispersive liquid-liquid micro-extraction methodology. Open Chemistry, 2010, 8, 617-625.	1.9	23

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55	Combination of ionic liquid-based dispersive liquid-liquid micro-extraction with stopped-flow spectrofluorometry for the pre-concentration and determination of aluminum in natural waters, fruit juice and food samples. <i>Talanta</i> , 2010, 81, 778-785.	5.5	88
56	Electrocatalytic oxidation of methanol on mono and bimetallic composite films: Pt and Pt-M (M=Ru, Tj ETQq0 0 0 rgBT /Overlock 10 2880-2892.	7.1	99
57	A novel microextraction technique based on 1-hexylpyridinium hexafluorophosphate ionic liquid for the preconcentration of zinc in water and milk samples. <i>Analytica Chimica Acta</i> , 2009, 649, 211-217.	5.4	90
58	Electrochemical preparation of a novel, effective and low cost catalytic surface for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 2668-2678.	7.1	45
59	Ultratrace determination of cadmium by cold vapor atomic absorption spectrometry after preconcentration with a simplified cloud point extraction methodology. <i>Talanta</i> , 2007, 71, 582-587.	5.5	64
60	Ultra-trace determination of silver in water samples by electrothermal atomic absorption spectrometry after preconcentration with a ligand-less cloud point extraction methodology. <i>Journal of Hazardous Materials</i> , 2007, 144, 458-463.	12.4	95
61	Simplified cloud point extraction for the preconcentration of ultra-trace amounts of gold prior to determination by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2007, 159, 71-78.	5.0	62
62	Study on the inclusion complex between β -cyclodextrin and celecoxib by spectrofluorimetry and its analytical application. <i>Il Farmaco</i> , 2005, 60, 575-581.	0.9	14
63	Determination of trace bismuth by solid phase extraction and anodic stripping voltammetry in non-aqueous media. <i>Analytica Chimica Acta</i> , 2001, 437, 217-224.	5.4	28