

Hossein Abdolmohammad-Zadeh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8800509/publications.pdf>

Version: 2024-02-01

63
papers

1,787
citations

236612

25
h-index

288905

40
g-index

63
all docs

63
docs citations

63
times ranked

2015
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic oxidation of methanol on mono and bimetallic composite films: Pt and Pt@M (M=Ru, Tj ETQq1 1 0.784314 rgBT /Ome 2880-2892.	3.8	99
2	Ultra-trace determination of silver in water samples by electrothermal atomic absorption spectrometry after preconcentration with a ligand-less cloud point extraction methodology. Journal of Hazardous Materials, 2007, 144, 458-463.	6.5	95
3	A novel microextraction technique based on 1-hexylpyridinium hexafluorophosphate ionic liquid for the preconcentration of zinc in water and milk samples. Analytica Chimica Acta, 2009, 649, 211-217.	2.6	90
4	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. Talanta, 2010, 81, 778-785.	2.9	88
5	A novel chemosensor based on graphitic carbon nitride quantum dots and potassium ferricyanide chemiluminescence system for Hg(II) ion detection. Sensors and Actuators B: Chemical, 2016, 225, 258-266.	4.0	81
6	Layered double hydroxides: A novel nano-sorbent for solid-phase extraction. Analytica Chimica Acta, 2011, 685, 212-219.	2.6	75
7	Ultratrace determination of cadmium by cold vapor atomic absorption spectrometry after preconcentration with a simplified cloud point extraction methodology. Talanta, 2007, 71, 582-587.	2.9	64
8	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.	2.9	63
9	Simplified cloud point extraction for the preconcentration of ultra-trace amounts of gold prior to determination by electrothermal atomic absorption spectrometry. Mikrochimica Acta, 2007, 159, 71-78.	2.5	62
10	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.	2.9	59
11	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.	2.5	46
12	Electrochemical preparation of a novel, effective and low cast catalytic surface for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2008, 33, 2668-2678.	3.8	45
13	Magnetic solid phase extraction of gemfibrozil from human serum and pharmaceutical wastewater samples utilizing a β -cyclodextrin grafted graphene oxide-magnetite nano-hybrid. Talanta, 2015, 134, 387-393.	2.9	41
14	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.	2.5	38
15	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. Talanta, 2014, 128, 147-155.	2.9	37
16	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. Analytica Chimica Acta, 2015, 881, 54-64.	2.6	37
17	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.	2.9	36
18	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. Talanta, 2015, 144, 769-777.	2.9	33

#	ARTICLE	IF	CITATIONS
19	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.	2.6	32
20	Determination of mesalamine by spectrofluorometry in human serum after solid-phase extraction with Ni-Al layered double hydroxide as a nanosorbent. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 473-481.	0.6	31
21	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.	1.8	30
22	Preconcentration of mercury(II) using a magnetite@carbon/dithizone nanocomposite, and its quantification by anodic stripping voltammetry. <i>Mikrochimica Acta</i> , 2020, 187, 2.	2.5	30
23	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.	2.6	28
24	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.	4.0	27
25	Determination of Iodate in Food, Environmental, and Biological Samples after Solid-Phase Extraction with Ni-Al-Zr Ternary Layered Double Hydroxide as a Nanosorbent. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.	0.8	26
26	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.	1.0	26
27	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.	2.0	24
28	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. <i>Open Chemistry</i> , 2010, 8, 617-625.	1.0	23
29	Trace analysis of mefenamic acid in human serum and pharmaceutical wastewater samples after pre-concentration with Ni-Al layered double hydroxide nano-particles. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 331-338.	2.4	23
30	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.	2.3	22
31	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.	2.7	21
32	Determination of Selenium in Serum Samples of Preterm Newborn Infants with Bronchopulmonary Dysplasia Using a Validated Hydride Generation System. <i>Biological Trace Element Research</i> , 2012, 147, 1-7.	1.9	20
33	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.	2.5	20
34	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.	2.5	20
35	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.	1.3	17
36	Zinc-aluminum layered double hydroxide as a nano-sorbent for removal of Reactive Yellow 84 dye from textile wastewater effluents. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 1103-1112.	1.2	16

#	ARTICLE	IF	CITATIONS
37	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.	1.3	16
38	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.	1.5	16
39	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
40	penicillamine capped cadmium telluride quantum dots as a novel fluorometric sensor of copper(II). <i>Luminescence</i> , 2013, 28, 503-509.	1.5	14
41	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.	2.5	14
42	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.	2.3	14
43	Preparation of ionic liquid-modified $\text{SiO}_2@Fe_3O_4$ nanocomposite as a magnetic sorbent for use in solid-phase extraction of zinc ions from milk and water samples. <i>RSC Advances</i> , 2017, 7, 23293-23300.	1.7	14
44	Ligandless cloud point extraction for trace nickel determination in water samples by flame atomic absorption spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 517-524.	0.6	13
45	An innovative nano-sorbent for selective solid-phase extraction and spectrophotometric determination of p-aminobenzoic acid in cosmetic products. <i>International Journal of Cosmetic Science</i> , 2014, 36, 140-147.	1.2	11
46	Aluminum(III)-doped $\text{ZnO}@Fe_3O_4$ nanocomposite as a magnetic sorbent for preconcentration of cadmium(II). <i>Mikrochimica Acta</i> , 2017, 184, 1641-1648.	2.5	11
47	Extraction of four endocrine-disrupting chemicals using a Fe_3O_4 /graphene oxide/di-(2-ethylhexyl) phosphoric acid nano-composite, and their quantification by HPLC-UV. <i>Microchemical Journal</i> , 2020, 157, 104964.	2.3	11
48	Development and validation of a novel fluorometric sensor for hydrogen peroxide monitoring in exhaled breath condensate. <i>Analytical Methods</i> , 2017, 9, 4371-4379.	1.3	10
49	Application of Co_3O_4 nanoparticles as an efficient nano-sorbent for solid-phase extraction of zinc(II) ions. <i>Microchemical Journal</i> , 2020, 153, 104268.	2.3	10
50	In situ generation of H_2O_2 by a layered double hydroxide as a visible light nano-photocatalyst: Application to bisphenol A quantification. <i>Microchemical Journal</i> , 2020, 158, 105303.	2.3	10
51	Serum selenium levels of the very low birth weight premature newborn infants with bronchopulmonary dysplasia. <i>Journal of Trace Elements in Medicine and Biology</i> , 2013, 27, 317-321.	1.5	9
52	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.	1.3	9
53	Nickel oxide/nickel ferrite/layered double hydroxide nanocomposite as a novel magnetic adsorbent for chromium speciation. <i>Microchemical Journal</i> , 2021, 165, 106153.	2.3	9
54	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.	2.3	8

#	ARTICLE	IF	CITATIONS
55	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.	1.9	8
56	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.	0.4	7
57	A novel chemiluminescent-based nano-probe for ultra-trace quantification of dopamine in human plasma samples. <i>Microchemical Journal</i> , 2020, 155, 104704.	2.3	7
58	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.	1.2	6
59	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. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 279-297.	1.8	5
60	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.	2.8	5
61	Optimization of cloud point extraction procedure with response surface methodology for quantification of iron by means of flame atomic absorption spectrometry. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 115-127.	0.4	4
62	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.	1.5	4
63	An inorganic nano-sorbent based on nickel-aluminum-zirconium ternary-layered double hydroxide for solid-phase extraction of chloride ions. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 559-568.	1.2	3