Hossein Abdolmohammad-Zadeh

List of Publications by Year
in descending order

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	Electrocatalytic oxidation of methanol on mono and bimetallic composite films: Pt and Ptâ€“M (M=Ru,) Tj ETQq1 1 0.784314 rgBT /Over 2880-2892.	7.1	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.	12.4	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.	5.4	90
4	Combination of ionic liquid-based dispersive liquidâ€“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.	5.5	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.	7.8	81
6	Layered double hydroxides: A novel nano-sorbent for solid-phase extraction. Analytica Chimica Acta, 2011, 685, 212-219.	5.4	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.	5.5	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.	5.5	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.	5.0	62
10	Nickelâ€“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
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.	5.0	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.	7.1	45
13	Magnetic solid phase extraction of gemfibrozil from human serum and pharmaceutical wastewater samples utilizing a Î²-cyclodextrin grafted graphene oxide-magnetite nano-hybrid. Talanta, 2015, 134, 387-393.	5.5	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.	5.0	38
15	Speciation of As(III)/As(V) in water samples by a magnetic solid phase extraction based on Fe3O4/Mgâ€“Al layered double hydroxide nano-hybrid followed by chemiluminescence detection. Talanta, 2014, 128, 147-155.	5.5	37
16	CoFe2O4 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.	5.4	37
17	Ultratrace determination of arsenic in water samples by electrothermal atomic absorption spectrometry after pre-concentration with Mgâ€“Alâ€“Fe ternary layered double hydroxide nano-sorbent. Talanta, 2013, 116, 604-610.	5.5	36
18	Utilizing of Ag@AgCl@graphene oxide@Fe3O4 nanocomposite as a magnetic plasmonic nanophotocatalyst in light-initiated H2O2 generation and chemiluminescence detection of nitrite. Talanta, 2015, 144, 769-777.	5.5	33

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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. Analytica Chimica Acta, 2019, 1061, 152-160.	5.4	32
20	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
21	Preconcentration of morphine and codeine using a magnetite/reduced graphene oxide/silver nano-composite and their determination by high-performance liquid chromatography. Journal of Chromatography A, 2019, 1590, 2-9.	3.7	30
22	Preconcentration of mercury(II) using a magnetite@carbon/dithizone nanocomposite, and its quantification by anodic stripping voltammetry. Mikrochimica Acta, 2020, 187, 2.	5.0	30
23	Determination of trace bismuth by solid phase extraction and anodic stripping voltammetry in non-aqueous media. Analytica Chimica Acta, 2001, 437, 217-224.	5.4	28
24	A novel chemosensor for Ag(I) ion based on its inhibitory effect on the luminolâ€“H2O2 chemiluminescence response improved by CoFe2O4 nano-particles. Sensors and Actuators B: Chemical, 2015, 209, 496-504.	7.8	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. Scientific World Journal, The, 2012, 2012, 1-8.	2.1	26
26	Nickel oxide/chitosan nano-composite as a magnetic adsorbent for pre-concentration of Zn(II) ions. Journal of Magnetism and Magnetic Materials, 2019, 488, 165311.	2.3	26
27	Fluorescence resonance energy transfer between carbon quantum dots and silver nanoparticles: Application to mercuric ion sensing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 245, 118924.	3.9	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. Open Chemistry, 2010, 8, 617-625.	1.9	23
29	Trace analysis of mefenamic acid in human serum and pharmaceutical wastewater samples after pre-concentration with Niâ€“Al layered double hydroxide nano-particles. Journal of Pharmaceutical Analysis, 2014, 4, 331-338.	5.3	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. Microchemical Journal, 2021, 164, 106001.	4.5	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. Environmental Science and Pollution Research, 2020, 27, 9826-9834.	5.3	21
32	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
33	Silica-coated Mn3O4 nanoparticles coated with an ionic liquid for use in solid phase extraction of silver(I) ions prior to their determination by AAS. Mikrochimica Acta, 2015, 182, 1447-1456.	5.0	20
34	Preconcentration of Pb(II) by using Mg(II)-doped NiFe2O4 nanoparticles as a magnetic solid phase extraction agent. Mikrochimica Acta, 2018, 185, 343.	5.0	20
35	Magnetic solid-phase extraction based on Niâ€“Al layered double hydroxide/magnetite nano-hybrid for speciation of Mn(<scp>vii</scp>)/Mn(<scp>ii</scp>) in water samples by FAAS. Analytical Methods, 2019, 11, 462-471.	2.7	17
36	Zincâ€“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

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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. Analytical Methods, 2014, 6, 3661-3667.	2.7	16
38	Synthesis, Characterization, and Application of Znâ€“Al Layered Double Hydroxide as a Nano-Sorbent for the Removal of Direct Red 16 from Industrial Wastewater Effluents. Chemical Engineering Communications, 2015, 202, 1349-1359.	2.6	16
39	Study on the inclusion complex between Î²-cyclodextrin and celecoxib by spectrofluorimetry and its analytical application. Il Farmaco, 2005, 60, 575-581.	0.9	14
40	<scp>d</scp>â€penicillamine capped cadmium telluride quantum dots as a novel fluorometric sensor of copper(II). Luminescence, 2013, 28, 503-509.	2.9	14
41	Magnetite-doped eggshell membrane as a magnetic sorbent for extraction of aluminum(III) ions prior to their fluorometric determination. Mikrochimica Acta, 2014, 181, 1797-1805.	5.0	14
42	Solâ€“gel processed pyridinium ionic liquid-modified silica as a new sorbent for separation and quantification of iron in water samples. Arabian Journal of Chemistry, 2016, 9, S587-S594.	4.9	14
43	Preparation of ionic liquid-modified SiO₂@Fe₃O₄nanocomposite as a magnetic sorbent for use in solid-phase extraction of zinc(<scp>ii</scp>) ions from milk and water samples. RSC Advances, 2017, 7, 23293-23300.	3.6	14
44	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
45	An innovative nanoâ€sorbent for selective solidâ€phase extraction and spectrophotometric determination of pâ€amino benzoic acid in cosmetic products. International Journal of Cosmetic Science, 2014, 36, 140-147.	2.6	11
46	Aluminum(III)-doped ZnO@Fe3O4 nanocomposite as a magnetic sorbent for preconcentration of cadmium(II). Mikrochimica Acta, 2017, 184, 1641-1648.	5.0	11
47	Extraction of four endocrine-disrupting chemicals using a Fe3O4/graphene oxide/di-(2-ethylhexyl) phosphoric acid nano-composite, and their quantification by HPLC-UV. Microchemical Journal, 2020, 157, 104964.	4.5	11
48	Development and validation of a novel fluorometric sensor for hydrogen peroxide monitoring in exhaled breath condensate. Analytical Methods, 2017, 9, 4371-4379.	2.7	10
49	Application of Co3O4 nanoparticles as an efficient nano-sorbent for solid-phase extraction of zinc(II) ions. Microchemical Journal, 2020, 153, 104268.	4.5	10
50	In situ generation of H2O2 by a layered double hydroxide as a visible light nano-photocatalyst: Application to bisphenol A quantification. Microchemical Journal, 2020, 158, 105303.	4.5	10
51	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
52	Airâ€assisted liquidâ€liquid extraction coupled with dispersive liquidâ€liquid microextraction and a drying step for extraction and preconcentration of some phthalate esters from edible oils prior to their determination by GC. Journal of Separation Science, 2019, 42, 736-743.	2.5	9
53	Nickel oxide/nickel ferrite/layered double hydroxide nanocomposite as a novel magnetic adsorbent for chromium speciation. Microchemical Journal, 2021, 165, 106153.	4.5	9
54	A magnetic adsorbent based on salicylic acid-immobilized magnetite nano-particles for pre-concentration of Cd(II) ions. Frontiers of Chemical Science and Engineering, 2021, 15, 450-459.	4.4	8

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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. Journal of Food Composition and Analysis, 2022, 109, 104493.	3.9	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. Journal of Analytical Chemistry, 2020, 75, 967-974.	0.9	7
57	A novel chemiluminescent-based nano-probe for ultra-trace quantification of dopamine in human plasma samples. Microchemical Journal, 2020, 155, 104704.	4.5	7
58	Solid-phase extraction of l-tryptophan from food samples utilizing a layered double hydroxide nano-sorbent prior to its determination by spectrofluorometry. Journal of the Iranian Chemical Society, 2015, 12, 1115-1122.	2.2	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. International Journal of Environmental Analytical Chemistry, 2013, 93, 279-297.	3.3	5
60	Facile preparation and application of AlxMgFe2-xO4 nanoparticles as a magnetic nano-sorbent for preconcentration of cadmium. Journal of Alloys and Compounds, 2021, 853, 157203.	5.5	5
61	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
62	Utilizing a nanoâ€sorbent for the selective solidâ€phase extraction of vanillic acid prior to its determination by photoluminescence spectroscopy. Luminescence, 2014, 29, 1162-1168.	2.9	4
63	An inorganic nano-sorbent based on nickelâ€“aluminumâ€“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