

Mahnaz Ghambarian

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,134
citations

279798

23
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

1962
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound-assisted emulsification microextraction method based on applying low density organic solvents followed by gas chromatography analysis for the determination of polycyclic aromatic hydrocarbons in water samples. <i>Journal of Chromatography A</i> , 2009, 1216, 6673-6679.	3.7	251
2	A nanoparticle-based solid-phase extraction procedure followed by flow injection inductively coupled plasma-optical emission spectrometry to determine some heavy metal ions in water samples. <i>Analytica Chimica Acta</i> , 2010, 659, 172-177.	5.4	242
3	Combination of solid-phase extraction with dispersive liquid-liquid microextraction followed by GC-MS for determination of pesticide residues from water, milk, honey and fruit juice. <i>Food Chemistry</i> , 2016, 204, 289-297.	8.2	200
4	Developments in hollow fiber based liquid-phase microextraction: principles and applications. <i>Mikrochimica Acta</i> , 2012, 177, 271-294.	5.0	158
5	On-line metals preconcentration and simultaneous determination using cloud point extraction and inductively coupled plasma optical emission spectrometry in water samples. <i>Analytica Chimica Acta</i> , 2008, 612, 144-151.	5.4	84
6	Preconcentration and speciation of arsenic in water specimens by the combination of solidification of floating drop microextraction and electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2010, 81, 197-201.	5.5	64
7	A new concept of hollow fiber liquid-liquid microextraction compatible with gas chromatography based on two immiscible organic solvents. <i>Journal of Chromatography A</i> , 2010, 1217, 5652-5658.	3.7	63
8	Three-phase hollow fiber microextraction based on two immiscible organic solvents for determination of tricyclic antidepressant drugs: Comparison with conventional three-phase hollow fiber microextraction. <i>Journal of Chromatography A</i> , 2012, 1222, 5-12.	3.7	63
9	Two-phase hollow fiber liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 314-322.	11.4	59
10	Taguchi OA16 orthogonal array design for the optimization of cloud point extraction for selenium determination in environmental and biological samples by tungsten-modified tube electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2009, 78, 970-976.	5.5	56
11	Automated preconcentration and analysis of organic compounds by on-line hollow fiber liquid-phase microextraction-high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1262, 27-33.	3.7	55
12	Three-phase hollow fiber liquid-phase microextraction based on two immiscible organic solvents for determination of tramadol in urine and plasma samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 1041-1045.	2.8	51
13	Application of dispersive solid phase extraction based on a surfactant-coated titanium-based nanomagnetic sorbent for preconcentration of bisphenol A in water samples. <i>Journal of Chromatography A</i> , 2017, 1518, 25-33.	3.7	50
14	Combination of hollow fiber liquid phase microextraction followed by HPLC-DAD and multivariate curve resolution to determine antibacterial residues in foods of animal origin. <i>Talanta</i> , 2016, 160, 400-409.	5.5	49
15	A new strategy to simultaneous microextraction of acidic and basic compounds. <i>Journal of Chromatography A</i> , 2011, 1218, 3945-3951.	3.7	46
16	Liquid-phase microextraction based on solidified floating drops of organic solvents. <i>Mikrochimica Acta</i> , 2013, 180, 519-535.	5.0	41
17	A novel approach to automation of dynamic hollow fiber liquid-phase microextraction. <i>Journal of Separation Science</i> , 2011, 34, 957-964.	2.5	40
18	A nanomagnetic and 3-mercaptopropyl-functionalized silica powder for dispersive solid phase extraction of Hg(II) prior to its determination by continuous-flow cold vapor AAS. <i>Mikrochimica Acta</i> , 2017, 184, 2317-2323.	5.0	40

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19	Application of a surfactant-assisted dispersive liquid-liquid microextraction method along with central composite design for micro-volume based spectrophotometric determination of low level of Cr(VI) ions in aquatic samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 202, 36-40.	3.9	33
20	Application of a dispersive solid-phase extraction method using an amino-based silica-coated nanomagnetic sorbent for the trace quantification of chlorophenoxyacetic acids in water samples. <i>Journal of Separation Science</i> , 2017, 40, 3479-3486.	2.5	30
21	Trace determination of free formaldehyde in DTP and DT vaccines and diphtheria-tetanus antigen by single drop microextraction and gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 287-292.	2.8	29
22	Analysis of Paraben Preservatives in Cosmetic Samples: Comparison of Three Different Dynamic Hollow Fiber Liquid-Phase Microextraction Methods. <i>Chromatographia</i> , 2014, 77, 317-327.	1.3	29
23	Comparison of solidification of floating drop and homogenous liquid-liquid microextractions for the extraction of two plasticizers from the water kept in PET-bottles. <i>Journal of Separation Science</i> , 2009, 32, 3201-3208.	2.5	27
24	Homogeneous Liquid-Liquid Microextraction for Determination of Organochlorine Pesticides in Water and Fruit Samples. <i>Chromatographia</i> , 2014, 77, 329-336.	1.3	25
25	Ultrasound-assisted emulsification microextraction using low density solvent for analysis of toxic nitrophenols in natural waters. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 199-212.	3.3	23
26	Rapid determination of ultra-trace amounts of acrylamide contaminant in water samples using dispersive liquid-liquid microextraction coupled to gas chromatography-electron capture detector. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1493-1505.	3.3	22
27	Application of modified hollow fiber liquid phase microextraction in conjunction with chromatography-electron capture detection for quantification of acrylamide in waste water samples at ultra-trace levels. <i>Journal of Chromatography A</i> , 2017, 1487, 30-35.	3.7	21
28	Carrier-mediated extraction: Applications in extraction and microextraction methods. <i>Talanta</i> , 2020, 206, 120145.	5.5	21
29	Dynamic three-phase hollow fiber microextraction based on two immiscible organic solvents with automated movement of the acceptor phase. <i>Journal of Separation Science</i> , 2011, 34, 98-106.	2.5	20
30	Extraction of carbonyl derivatives from ozonated wastewater samples using hollow fiber liquid phase microextraction followed by gas chromatography-electron capture detection. <i>Microchemical Journal</i> , 2019, 148, 331-337.	4.5	20
31	Trace quantification of selected sulfonamides in aqueous media by implementation of a new dispersive solid-phase extraction method using a nanomagnetic titanium dioxide graphene-based sorbent and HPLC-UV. <i>Journal of Separation Science</i> , 2018, 41, 910-917.	2.5	19
32	Dispersive solid-phase extraction of selected nitrophenols from environmental water samples using a zirconium-based amino-tagged metal-organic framework nanosorbent. <i>Journal of Separation Science</i> , 2018, 41, 4159-4166.	2.5	19
33	A Highly Sensitive Dispersive Microextraction Method with Magnetic Carbon Nanocomposites Coupled with Dispersive Liquid-Liquid Microextraction and Two Miscible Stripping Solvents Followed by GC-MS for Quantification of 16 PAHs in Environmental Samples. <i>Chromatographia</i> , 2018, 81, 487-499.	1.3	18
34	MEASUREMENT OF FLUOROQUINOLONE ANTIBIOTICS FROM HUMAN PLASMA USING HOLLOW FIBER LIQUID-PHASE MICROEXTRACTION BASED ON CARRIER MEDIATED TRANSPORT. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 343-354.	1.0	17
35	An efficient sample preparation method based on dispersive liquid-liquid microextraction associated with back extraction for trace determination of acidic pharmaceuticals. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1924-1932.	4.9	15
36	A new dendrimer-functionalized magnetic nanosorbent for the efficient adsorption and subsequent trace measurement of Hg (II) ions in wastewater samples. <i>Journal of Molecular Liquids</i> , 2021, 323, 114472.	4.9	15

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37	Analysis of trace amounts of chlorobenzenes in water samples: An approach towards the automation of dynamic hollow fiber liquid-phase microextraction. <i>Mikrochimica Acta</i> , 2012, 176, 367-374.	5.0	14
38	Hollow-Fiber Liquid-Phase Microextraction Followed by Gas Chromatography Flame Ionization Detection for the Determination of Amitraz in Honey and Water Samples. <i>Food Analytical Methods</i> , 2015, 8, 758-766.	2.6	14
39	Spin-column micro-solid phase extraction of chlorophenols using MFU-4l metal-organic framework. <i>Mikrochimica Acta</i> , 2020, 187, 39.	5.0	13
40	Trace measurement of lead and cadmium ions in wastewater samples using a novel dithizone immobilized metal-organic framework-based 1/4-dispersive solid-phase extraction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5715.	3.5	13
41	Online Injection-Based Hollow Fiber Liquid-Phase Microextraction-High-Performance Liquid Chromatography as a Fully Automatic Sample Processing for Phthalate Esters Analysis. <i>Food Analytical Methods</i> , 2016, 9, 729-737.	2.6	12
42	Evaluation of three-phase hollow fiber microextraction based on two immiscible solvents coupled to GC and HPLC for determination of statin drugs in biological fluids. <i>Analytical Methods</i> , 2015, 7, 2959-2967.	2.7	10
43	Determination of sulfonamide residues in animal foodstuffs by magnetic dispersive solid-phase extraction using magnetic carbon nanocomposites coupled with ion pair-dispersive liquid-liquid micro-extraction combined with HPLC-DAD. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 1433-1442.	2.2	10
44	Simultaneous extraction of 32 polychlorinated biphenyls by using magnetic carbon nanocomposite based dispersive microextraction, subsequent dispersive liquid-liquid microextraction with two miscible stripping solvents, and quantitation by GC-1/4ECD. <i>Mikrochimica Acta</i> , 2019, 186, 178.	5.0	8
45	Adsorptive removal of Hg ²⁺ from environmental water samples using thioglycerol-intercalated magnetic layered double hydroxides. <i>Analytical Methods</i> , 2020, 12, 2279-2286.	2.7	8
46	Dispersive liquid-liquid microextraction with back extraction using an immiscible organic solvent for determination of benzodiazepines in water, urine, and plasma samples. <i>RSC Advances</i> , 2016, 6, 114198-114207.	3.6	7
47	Polydopamine-Functionalized Carbon Nanotubes for Pipette-Tip Micro-Solid Phase Extraction of Malathion and Parathion from Environmental Samples. <i>ChemistrySelect</i> , 2020, 5, 2966-2971.	1.5	7
48	Application of a new N,S-containing silica-coated nanomagnetic sorbent for the trace quantification of Hg(II) ions in aquatic samples: evaluation of adsorption mechanism. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 719-728.	2.2	3