Maryam Rajabi

List of Publications by Year
in descending order

86 papers	2,517 citations	172457 29 h-index	223800 46 g-index
86 all docs	86 docs citations	86 times ranked	2319 citing authors

#	Article	IF	Citations
1	Response surface methodology approach for optimization of simultaneous dye and metal ion ultrasound-assisted adsorption onto Mn doped Fe₃O₄-NPs loaded on AC: kinetic and isothermal studies. Dalton Transactions, 2015, 44, 14707-14723.	3.3	230
2	Magnetic nanoparticle based solid-phase extraction of heavy metal ions: A review on recent advances. Mikrochimica Acta, 2018, 185, 160.	5.0	149
3	Ultrasound-assisted ionic liquid based dispersive liquidâ€“liquid microextraction and flame atomic absorption spectrometry of cobalt, copper, and zinc in environmental water samples. Journal of Molecular Liquids, 2014, 194, 166-171.	4.9	82
4	Air-assisted dispersive micro-solid phase extraction of polycyclic aromatic hydrocarbons using a magnetic graphitic carbon nitride nanocomposite. Mikrochimica Acta, 2016, 183, 1449-1458.	5.0	74
5	Magnetic graphitic carbon nitride nanoparticles covalently modified with an ethylenediamine for dispersive solid-phase extraction of lead(II) and cadmium(II) prior to their quantitation by FAAS. Mikrochimica Acta, 2017, 184, 3027-3035.	5.0	74
6	Titanium oxide nanoparticles loaded onto activated carbon prepared from bio-waste watermelon rind for the efficient ultrasonic-assisted adsorption of congo red and phenol red dyes from wastewaters. Polyhedron, 2019, 173, 114105.	2.2	72
7	Simplified miniaturized ultrasound-assisted matrix solid phase dispersion extraction and high performance liquid chromatographic determination of seven flavonoids in citrus fruit juice and human fluid samples: Hesperetin and naringenin as biomarkers. Journal of Chromatography A, 2013, 1311, 30-40.	3.7	69
8	Dissolvable layered double hydroxide as an efficient nanosorbent for centrifugeless air-agitated dispersive solid-phase extraction of potentially toxic metal ions from bio-fluid samples. Analytica Chimica Acta, 2017, 957, 1-9.	5.4	61
9	Emulsification microextraction of amphetamine and methamphetamine in complex matrices using an up-to-date generation of eco-friendly and relatively hydrophobic deep eutectic solvent. Journal of Chromatography A, 2018, 1576, 1-9.	3.7	60
10	Tandem air-agitated liquidâ€“liquid microextraction as an efficient method for determination of acidic drugs in complicated matrices. Analytica Chimica Acta, 2016, 917, 44-52.	5.4	56
11	Tandem dispersive liquidâ€“liquid microextraction as an efficient method for determination of basic drugs in complicated matrices. Journal of Chromatography A, 2016, 1429, 13-21.	3.7	54
12	Development of effervescence-assisted liquid phase microextraction based on fatty acid for determination of silver and cobalt ions using micro-sampling flame atomic absorption spectrometry. Journal of Molecular Liquids, 2017, 242, 1176-1183.	4.9	53
13	Centrifugeless dispersive liquid-liquid microextraction based on salting-out phenomenon followed by high performance liquid chromatography for determination of Sudan dyes in different species. Food Chemistry, 2018, 244, 1-6.	8.2	51
14	Comparison of ultrasound-enhanced air-assisted liquidâ€“liquid microextraction and low-density solvent-based dispersive liquidâ€“liquid microextraction methods for determination of nonsteroidal anti-inflammatory drugs in human urine samples. Journal of Pharmaceutical and Biomedical Analysis, 2015, 111, 297-305.	2.8	46
15	Organic solvent-free air-assisted liquidâ€“liquid microextraction for optimized extraction of illegal azo-based dyes and their main metabolite from spices, cosmetics and human bio-fluid samples in one step. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 998-999, 15-25.	2.3	44
16	Ultrasound-assisted temperature-controlled ionic-liquid dispersive liquid-phase microextraction method for simultaneous determination of anethole, estragole, and para-anisaldehyde in different plant extracts and human urine: a comparative study. Analytical and Bioanalytical Chemistry, 2014, 406, 4501-4512.	3.7	42
17	In-line micro-matrix solid-phase dispersion extraction for simultaneous separation and extraction of Sudan dyes in different spices. Journal of Chromatography A, 2015, 1425, 42-50.	3.7	42
18	Highly effective adsorption of xanthene dyes (rhodamine B and erythrosine B) from aqueous solutions onto lemon citrus peel active carbon: characterization, resolving analysis, optimization and mechanistic studies. RSC Advances, 2017, 7, 5362-5371.	3.6	42

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19	In-tube electro-membrane extraction with a sub-microliter organic solvent consumption as an efficient technique for synthetic food dyes determination in foodstuff samples. Journal of Chromatography A, 2015, 1410, 35-43.	3.7	41
20	Efficient and relatively safe emulsification microextraction using a deep eutectic solvent for influential enrichment of trace main anti-depressant drugs from complicated samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1072, 50-59.	2.3	41
21	A study of the performance characteristics of immunoaffinity solid phase microextraction probes for extraction of a range of benzodiazepines. Journal of Pharmaceutical and Biomedical Analysis, 2007, 44, 506-519.	2.8	40
22	Ultrasound-promoted dispersive micro solid-phase extraction of trace anti-hypertensive drugs from biological matrices using a sonochemically synthesized conductive polymer nanocomposite. Ultrasonics Sonochemistry, 2017, 39, 12-24.	8.2	40
23	Fabrication of chitosan-aminopropylsilane graphene oxide nanocomposite hydrogel embedded PES membrane for improved filtration performance and lead separation. Journal of Environmental Management, 2021, 294, 112918.	7.8	40
24	Switchable fatty acid based CO2-effervescence ameliorated emulsification microextraction prior to high performance liquid chromatography for efficient analyses of toxic azo dyes in foodstuffs. Food Chemistry, 2019, 286, 185-190.	8.2	39
25	Optimized syringe-assisted dispersive micro solid phase extraction coupled with microsampling flame atomic absorption spectrometry for the simple and fast determination of potentially toxic metals in fruit juice and bio-fluid samples. RSC Advances, 2015, 5, 31930-31941.	3.6	38
26	Coupling of two centrifugeless ultrasound-assisted dispersive solid/liquid phase microextractions as a highly selective, clean, and efficient method for determination of ultra-trace amounts of non-steroidal anti-inflammatory drugs in complicated matrices. Analytica Chimica Acta, 2018, 997, 67-79.	5.4	36
27	Highly effective and safe intermediate based on deep eutectic medium for carrier less-three phase hollow fiber microextraction of antiarrhythmic agents in complex matrices. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1104, 196-204.	2.3	35
28	Ionic liquid-based ultrasound-assisted surfactant-emulsified microextraction for simultaneous determination of three important flavoring compounds in plant extracts and urine samples. Food Research International, 2014, 62, 761-770.	6.2	30
29	Low-toxic air-agitated liquid-liquid microextraction using a solidifiable organic solvent followed by gas chromatography for analysis of amitriptyline and imipramine in human plasma and wastewater samples. Microchemical Journal, 2017, 130, 122-128.	4.5	30
30	A rapid and simple extraction of anti-depressant drugs by effervescent salt-assisted dispersive magnetic micro solid-phase extraction method using new adsorbent Fe3O4@SiO2@N3. Analytica Chimica Acta, 2019, 1047, 275-284.	5.4	30
31	Ionic liquid-based dispersive liquid-liquid microextraction combined with high performance liquid chromatography-UV detection for simultaneous preconcentration and determination of Ni, Co, Cu and Zn in water samples. Journal of the Serbian Chemical Society, 2014, 79, 63-76.	0.8	29
32	Extraction of ultra-traces of lead, chromium and copper using ruthenium nanoparticles loaded on activated carbon and modified with N,N-bis-(Î±-methylsalicylidene)-2,2-dimethylpropane-1,3-diamine. Mikrochimica Acta, 2015, 182, 1187-1196.	5.0	27
33	Rapid determination of some psychotropic drugs in complex matrices by tandem dispersive liquidâ€“liquid microextraction followed by high performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1052, 51-59.	2.3	27
34	Magnetic dispersive micro-solid phase extraction merged with micro-sampling flame atomic absorption spectrometry using (Zn-Al LDH)-(PTh/DBSNa)-Fe3O4 nanosorbent for effective trace determination of nickel(II) and cadmium(II) in food samples. Microchemical Journal, 2020, 159, 105450.	4.5	27
35	Comparison of airâ€agitated liquidâ€“liquid microextraction and ultrasoundâ€assisted emulsification microextraction for polycyclic aromatic hydrocarbons determination in hookah water. Journal of Separation Science, 2015, 38, 2496-2502.	2.5	25
36	Combination of magnetic dispersive micro solid-phase extraction and supramolecular solvent-based microextraction followed by high-performance liquid chromatography for determination of trace amounts of cholesterol-lowering drugs in complicated matrices. Analytical and Bioanalytical Chemistry, 2017, 409, 4395-4407.	3.7	25

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37	Simultaneous extraction and preconcentration of some metal ions using eucalyptus-wood based activated carbon modified with silver hydroxide nanoparticles and a chelating agent: optimization by an experimental design. RSC Advances, 2015, 5, 89204-89217.	3.6	24
38	Selective determination of chromium(VI) ions using in-tube electro-membrane extraction followed by flame atomic absorption spectrometry. Microchemical Journal, 2017, 132, 378-384.	4.5	24
39	Rapid derivatization and extraction of paraben preservatives by fast syringe-assisted liquidâ€“liquid microextraction and their determination in cosmetic and aqueous sample solutions by gas chromatography. Analytical Methods, 2017, 9, 5963-5969.	2.7	23
40	Application of deep eutectic solvent and SWCNT-ZrO2 nanocomposite as conductive mediators for the fabrication of simple and rapid electrochemical sensor for determination of trace anti-migration drugs. Microchemical Journal, 2021, 165, 106141.	4.5	23
41	Efficient and clean pre-concentration of ultra-trace calcium channel blockers from biological matrices via a hyphenated procedure of two sequential dispersive solid/liquid phase microextractions. Analytica Chimica Acta, 2017, 960, 138-150.	5.4	21
42	Centrifugeless dispersive liquid-liquid microextraction based on salting-out phenomenon as an efficient method for determination of phenolic compounds in environmental samples. Analytical and Bioanalytical Chemistry, 2017, 409, 3007-3016.	3.7	21
43	A twin purification/enrichment procedure based on two versatile solid/liquid extracting agents for efficient uptake of ultra-trace levels of lorazepam and clonazepam from complex bio-matrices. Journal of Chromatography A, 2017, 1524, 1-12.	3.7	20
44	Application of syringe to syringe dispersive micro-solid phase extraction using a magnetic layered double hydroxide for the determination of cadmium(<scp>ii</scp>) and lead(<scp>ii</scp>) ions in food and water samples. Analytical Methods, 2018, 10, 1305-1314.	2.7	20
45	Magnetic solid-phase extraction of Zineb by C18-functionalised paramagnetic nanoparticles and determination by first-derivative spectrophotometry. International Journal of Environmental Analytical Chemistry, 2014, 94, 1123-1138.	3.3	19
46	Hybrid Amine-Functionalized Titania/Silica Nanoparticles for Solid-Phase Extraction of Lead, Copper, and Zinc from Food and Water Samples: Kinetics and Equilibrium Studies. Food Analytical Methods, 2015, 8, 815-824.	2.6	19
47	Filterâ€based emulsification microextraction as an efficient method for the determination of chlorophenols by gas chromatography. Journal of Separation Science, 2018, 41, 3097-3104.	2.5	19
48	Dopamine-modified magnetic graphene oxide as a recoverable sorbent for the preconcentration of metal ions by an effervescence-assisted dispersive micro solid-phase extraction procedure. Analytical Methods, 2020, 12, 2338-2346.	2.7	19
49	Application of tandem dispersive liquidâ€“liquid microextraction for the determination of doxepin, citalopram, and fluvoxamine in complicated samples. Journal of Separation Science, 2016, 39, 4828-4834.	2.5	18
50	A Simple Organic Solvent-Free Liquid-Liquid Microextraction Method for the Determination of Potentially Toxic Metals as 2-(5-Bromo-2-pyridylazo)-5-(diethylamino)phenol Complex from Food and Biological Samples. Biological Trace Element Research, 2016, 170, 496-507.	3.5	18
51	Centrifuge-free dispersive liquidâ€“liquid microextraction based on the salting-out effect followed by high performance liquid chromatography for simple and sensitive determination of polycyclic aromatic hydrocarbons in water samples. Analytical Methods, 2017, 9, 1732-1740.	2.7	17
52	Rapid determination of some beta-blockers in complicated matrices by tandem dispersive liquid-liquid microextraction followed by high performance liquid chromatography. Analytical and Bioanalytical Chemistry, 2016, 408, 8163-8176.	3.7	16
53	Photo-degradation of basic green 1 and basic red 46 dyes in their binary solution by La 2 O 3 -Al 2 O 3 nanocomposite using first-order derivative spectra and experimental design methodology. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 179, 58-65.	3.9	14
54	A novel nanoadsorbent consisting of covalently functionalized melamine onto MWCNT/Fe3O4 nanoparticles for efficient microextraction of highly adverse metal ions from organic and inorganic vegetables: Optimization by multivariate analysis. Journal of Molecular Liquids, 2018, 252, 383-391.	4.9	14

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55	Highly efficient adsorption of Naphthol Green B and Phenol Red dye by Combination of Ultrasound wave and Copperâ€Doped Zinc Sulfide Nanoparticles Loaded on Pistachioâ€Nut Shell. Applied Organometallic Chemistry, 2018, 32, e4369.	3.5	14
56	CO₂-effervescence assisted dispersive micro solid-phase extraction based on a magnetic layered double hydroxide modified with polyaniline and a surfactant for efficient pre-concentration of heavy metals in cosmetic samples. Analytical Methods, 2020, 12, 4867-4877.	2.7	14
57	Application of ultrasound-assisted emulsification microextraction for simultaneous determination of aminophenol isomers in human urine, hair dye, and water samples using high-performance liquid chromatography. Human and Experimental Toxicology, 2014, 33, 863-872.	2.2	13
58	Application of a tandem air-agitated liquidâ€“liquid microextraction technique based on solidification of floating organic droplets as an efficient extraction method for determination of cholesterol-lowering drugs in complicated matrices. RSC Advances, 2016, 6, 93582-93589.	3.6	13
59	Monitoring of cyanotoxins in water from hypersaline microalgae colonies by ultra high performance liquid chromatography with diode array and tandem mass spectrometry detection following salting-out liquid-liquid extraction. Journal of Chromatography A, 2019, 1608, 460409.	3.7	13
60	Nano-alumina coated with SDS and modified with salicylaldehyde-5-sulfonate for extraction of heavy metals and their determination by anodic stripping voltammetry. Journal of Industrial and Engineering Chemistry, 2014, 20, 3737-3743.	5.8	12
61	Centrifugeless ultrasoundâ€assisted emulsification microextraction based on saltingâ€out phenomenon followed by highâ€performance liquid chromatography for the simple determination of phthalate esters in aqueous samples. Journal of Separation Science, 2017, 40, 2022-2029.	2.5	12
62	Dispersive suspended-solidified floating organic droplet microextraction of nonsteroidal anti-inflammatory drugs: comparison of suspended droplet-based and dispersive-based liquid-phase microextraction methods. RSC Advances, 2015, 5, 106574-106588.	3.6	11
63	Electrophoretic micro-preconcentration of ionizable compounds as a green approach in sample preparation. Microchemical Journal, 2016, 125, 124-129.	4.5	11
64	Chemically functionalized silica nanoparticlesâ€based solidâ€phase extraction for effective preâ€concentration of highly toxic metal ions from food and water samples. Applied Organometallic Chemistry, 2018, 32, e4012.	3.5	11
65	Selective determination of some beta-blockers in urine and plasma samples using continuous flow membrane microextraction coupled with high performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1128, 121768.	2.3	11
66	Chemometric assisted sonochemical dyes adsorption in ternary solutions onto Cu nanowires loaded on activated carbon. Journal of the Taiwan Institute of Chemical Engineers, 2017, 76, 115-125.	5.3	10
67	Statistical evaluation of three kinds of sonochemically-prepared magnetic conductive polymer nanocomposites for ultrasound-assisted ligandless uptake of some deleterious metal ions in vegetable samples. Journal of Molecular Liquids, 2018, 268, 867-874.	4.9	10
68	Efficacious and environmentally friendly deep eutectic solvent-based liquid-phase microextraction for speciation of Cr(III) and Cr(VI) ions in food and water samples. International Journal of Environmental Analytical Chemistry, 2022, 102, 4331-4343.	3.3	10
69	Comparison of two polythiophene nanocomposites-based dispersive micro solid-phase extraction procedures coupled with salt-induced/magnetic separations for efficient preconcentration of toxic metal ions from food samples. Journal of Molecular Liquids, 2021, 324, 114997.	4.9	10
70	Synthesis and comparison of two different morphologies of graphitic carbon nitride as adsorbent for preconcentration of heavy metal ions by effervescent salt-assisted dispersive micro solid phase extraction method. Journal of Dispersion Science and Technology, 2023, 44, 2093-2102.	2.4	10
71	Trace amounts determination of lead, zinc and copper by adsorptive stripping voltammetry in the presence of dopamine. Journal of Analytical Chemistry, 2010, 65, 511-517.	0.9	9
72	Improved in-tube electro-membrane extraction followed by high-performance liquid chromatography for simple and selective determination of ionic compounds: Optimization by central composite design. Journal of Separation Science, 2017, 40, 2967-2974.	2.5	9

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73	Dissolvable layered double hydroxide nanoadsorbentâ€based dispersive solidâ€phase extraction for highly efficient and ecoâ€friendly simultaneous microextraction of two toxic metal cations and two anionic azo dyes in real samples. Applied Organometallic Chemistry, 2018, 32, e4279.	3.5	9
74	Combination of solid-phase extraction and flame atomic absorption spectrometry for simultaneous preconcentration and determination of some heavy metals in real samples. Desalination and Water Treatment, 2014, 52, 5430-5441.	1.0	7
75	Optimized miniaturized air-assisted liquidâ€“liquid microextraction for determination of non-steroidal anti-inflammatory drugs in bio-fluid samples. RSC Advances, 2016, 6, 109473-109484.	3.6	7
76	Ultrasensitive electroanalytical sulfisoxazole sensors amplified with Pd-doped ZnO nanoparticles and modified with 1-hexyl-3-methyl imidazolium bis(trifluoromethylsulfonyl)imide. New Journal of Chemistry, 2020, 44, 11125-11130.	2.8	7
77	Polymerisation of dopamine on the carbon graphite nitride nanosheets as an effective adsorbent in determination of metal ions using effervescent-assisted dispersive micro solid-phase extraction method. International Journal of Environmental Analytical Chemistry, 2020, , 1-19.	3.3	6
78	Deep eutectic-based vortex-assisted/ultrasound-assisted liquid-phase microextractions of chromium species. Journal of the Iranian Chemical Society, 2020, 17, 1705-1713.	2.2	6
79	Electrochemical determination of epirubicin in the presence of topotecan as essential anti-cancer compounds using paste electrode amplified with Pt/SWCNT nanocomposite and a deep eutectic solvent. Chemosphere, 2022, 289, 133060.	8.2	6
80	Coating of porous graphitic carbon nitride modified with titanium dioxide (OH-g-C3N4/TiO2) on Ag wire as an SPME fiber for extraction of lead. Journal of Sol-Gel Science and Technology, 2022, 103, 345-359.	2.4	6
81	Simple determination of some antidementia drugs in wastewater and human plasma samples by tandem dispersive liquidâ€“liquid microextraction followed by highâ€performance liquid chromatography. Journal of Separation Science, 2018, 41, 2214-2220.	2.5	4
82	Mechanistic Investigation of the Electro-Oxidation of Catechols in the Presence of N-Methylbenzylamine at Room Temperature: Synthesis of New Quinone Derivatives. Progress in Reaction Kinetics and Mechanism, 2015, 40, 77-85.	2.1	2
83	A One-pot, Simple, and Clean Method for Synthesis of New Phenothiazines via Electro-oxidation of Hydroquinones in the Presence of 2-Aminothiophenol. Chemistry Letters, 2016, 45, 430-432.	1.3	2
84	Green and One-Pot Electrochemical Synthesis of New Benzofurans Based on an ECC Mechanism. Progress in Reaction Kinetics and Mechanism, 2015, 40, 163-168.	2.1	1
85	Catalyst-Free, Facile and Green Synthesis of New Symmetric and Asymmetric Benzofurans through Hydroquinones Oxidation in the Presence of Meldrumâ€™s Acid. Russian Journal of Electrochemistry, 2019, 55, 1366-1372.	0.9	1
86	Theoretical and experimental investigation on the electrochemical properties, structural and spectroscopic parameters of 6,7-dihydroxy-9-thia-1,4a-diaza fluoren-2-one (DTDFO). Journal of Sulfur Chemistry, 2019, 40, 598-613.	2.0	0