Mohammadreza Hadjmohammadi

List of Publications by Year
in descending order

72 papers	1,397 citations	279487 23 h-index	395343 33 g-index
72 all docs	72 docs citations	72 times ranked	1464 citing authors

#	Article	IF	Citations
1	Utilization of inverted dispersive liquidâ€“liquid microextraction followed by HPLC-UV as a sensitive and efficient method for the extraction and determination of quercetin in honey and biological samples. Talanta, 2012, 89, 117-123.	2.9	78
2	Modified magnetic chitosan nanoparticles based on mixed hemimicelle of sodium dodecyl sulfate for enhanced removal and trace determination of three organophosphorus pesticides from natural waters. Analytica Chimica Acta, 2019, 1078, 90-100.	2.6	66
3	Mixed Hemi/Ad-Micelle Sodium Dodecyl Sulfate-Coated Magnetic Iron Oxide Nanoparticles for the Efficient Removal and Trace Determination of Rhodamine-B and Rhodamine-6G. Analytical Chemistry, 2015, 87, 7894-7901.	3.2	59
4	Optimization of magnetic stirring assisted dispersive liquidâ€“liquid microextraction of rhodamine B and rhodamine 6G by response surface methodology: Application in water samples, soft drink, and cosmetic products. Talanta, 2015, 139, 216-225.	2.9	55
5	Two-phase hollow fiber-liquid microextraction based on reverse micelle for the determination of quercetin in human plasma and vegetables samples. Talanta, 2017, 173, 14-21.	2.9	55
6	Hollow fibre-based liquid phase microextraction combined with high-performance liquid chromatography for the analysis of flavonoids in Echinophora platyloba DC. and Mentha piperita. Food Chemistry, 2013, 141, 731-735.	4.2	53
7	Three-phase hollow fiber liquid phase microextraction of warfarin from human plasma and its determination by high-performance liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2012, 61, 44-49.	1.4	52
8	Low-density solvent-based dispersive liquidâ€“liquid microextraction followed by high performance liquid chromatography for determination of warfarin in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 899, 66-71.	1.2	49
9	Alcoholâ€based deep eutectic solvent as a carrier of SiO₂@Fe₃O₄ for the development of magnetic dispersive microâ€solidâ€phase extraction method: Application for the preconcentration and determination of morin in apple and grape juices, diluted and acidic extract of dried onion and green tea infusion samples. Journal of Separation Science, 2019, 42, 2842-2850.	1.3	46
10	Selective Separation/Preconcentration of Silver Ion in Water by Multiwalled Carbon Nanotubes Microcolumn as a Sorbent. Clean - Soil, Air, Water, 2011, 39, 1081-1086.	0.7	36
11	Comparison of C₁₈ silica and multiâ€walled carbon nanotubes as the adsorbents for the solidâ€phase extraction of Chlorpyrifos and Phosalone in water samples using HPLC. Journal of Separation Science, 2010, 33, 1044-1051.	1.3	35
12	Fe3O4@p-Naphtholbenzein as a novel nano-sorbent for highly effective removal and recovery of Berberine: Response surface methodology for optimization of ultrasound assisted dispersive magnetic solid phase extraction. Talanta, 2016, 156-157, 18-28.	2.9	32
13	Hydrophobic borneol-based natural deep eutectic solvents as a green extraction media for air-assisted liquid-liquid micro-extraction of warfarin in biological samples. Journal of Chromatography A, 2020, 1621, 461030.	1.8	32
14	The application of three-phase solvent bar microextraction based on a deep eutectic solvent coupled with high-performance liquid chromatography for the determination of flavonoids from vegetable and fruit juice samples. Analytical Methods, 2019, 11, 5134-5141.	1.3	30
15	Development of magnetic dispersive micro-solid phase extraction based on magnetic agarose nanoparticles and deep eutectic solvents for the isolation and pre-concentration of three flavonoids in edible natural samples. Talanta, 2021, 222, 121649.	2.9	30
16	Amino acids- based hydrophobic natural deep eutectic solvents as a green acceptor phase in two-phase hollow fiber-liquid microextraction for the determination of caffeic acid in coffee, green tea, and tomato samples. Microchemical Journal, 2021, 164, 106021.	2.3	30
17	Water-contained surfactant-based vortex-assisted microextraction method combined with liquid chromatography for determination of synthetic antioxidants from edible oil. Journal of Chromatography A, 2014, 1361, 9-15.	1.8	28
18	Application of non-ionic surfactant as a developed method for the enhancement of two-phase solvent bar microextraction for the simultaneous determination of three phthalate esters from water samples. Journal of Chromatography A, 2018, 1561, 39-47.	1.8	28

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19	Solâ€“gel coating of poly(ethylene glycol)â€grafted multiwalled carbon nanotubes for stir bar sorptive extraction and its application to the analysis of polycyclic aromatic hydrocarbons in water. Journal of Separation Science, 2016, 39, 3445-3456.	1.3	26
20	Determination of Flavonoid Markers in Honey with SPE and LC using Experimental Design. Chromatographia, 2009, 69, 1291-1297.	0.7	25
21	Polyacrylonitrile / graphene oxide nanofibers for packed sorbent microextraction of drugs and their metabolites from human plasma samples. Talanta, 2019, 201, 474-479.	2.9	25
22	Utilization of homogeneous liquidâ€“liquid extraction followed by HPLC-UV as a sensitive method for the extraction and determination of phthalate esters in environmental water samples. International Journal of Environmental Analytical Chemistry, 2012, 92, 1312-1324.	1.8	24
23	Solvent bar microextraction using a reverse micelle containing extraction phase for the determination of warfarin from human plasma by high-performance liquid chromatography. Journal of Chromatography A, 2017, 1496, 1-8.	1.8	24
24	In situ growth of zeolitic imidazolate framework-8 on woven cotton yarn for the thin film microextraction of quercetin in human plasma and food samples. Analytica Chimica Acta, 2020, 1131, 45-55.	2.6	23
25	Simultaneous optimization of the resolution and analysis time of flavonoids in reverse phase liquid chromatography using Derringer's desirability function. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 880, 34-41.	1.2	22
26	Development of a magnetic dispersive micro-solid-phase extraction method based on a deep eutectic solvent as a carrier for the rapid determination of meloxicam in biological samples. Analytical Methods, 2020, 12, 2331-2337.	1.3	22
27	Determination of bisphenol A in Iranian packaged milk by solid-phase extraction and HPLC. Monatshefte FÃ¼r Chemie, 2010, 141, 501-506.	0.9	20
28	Multi-criteria decision making in micellar liquid chromatographic separation of chlorophenols. Journal of Separation Science, 2004, 27, 997-1004.	1.3	18
29	Use of hollow fiber liquid phase microextraction and HPLC for extraction and determination of apigenin in human urine after consumption of Satureja sahendica Bornm.. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 900, 85-88.	1.2	18
30	Magnetic core micelles as a nanosorbent for the efficient removal and recovery of three organophosphorus pesticides from fruit juice and environmental water samples. Journal of Separation Science, 2018, 41, 2037-2045.	1.3	17
31	Response surface methodology and support vector machine for the optimization of separation in linear gradient elution. Journal of Separation Science, 2008, 31, 3864-3870.	1.3	16
32	Human serum albumin-mimetic chromatography based hexadecyltrimethylammonium bromide as a novel direct probe for protein binding of acidic drugs. Journal of Pharmaceutical and Biomedical Analysis, 2015, 114, 1-7.	1.4	14
33	Nanofluid of magneticâ€activated charcoal and hydrophobic deep eutectic solvent: Application in dispersive magnetic solidâ€phase extraction for the determination and preconcentration of warfarin in biological samples by highâ€performance liquid chromatography. Biomedical Chromatography, 2021, 35, e5113.	0.8	14
34	Optimization of the separation of coumarins in mixed micellar liquid chromatography using Derringer's desirability function. Journal of Chemometrics, 2007, 21, 35-42.	0.7	13
35	Supramolecular solvent-based microextraction of warfarin from biological samples and its determination using HPLC. Journal of the Iranian Chemical Society, 2015, 12, 1253-1259.	1.2	13
36	Biopartitioning micellar chromatography with sodium dodecyl sulfate as a pseudo Î±1-acid glycoprotein to the prediction of proteinâ€“drug binding. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 912, 50-55.	1.2	12

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37	Extraction and determination of flavonoids in fruit juices and vegetables using Fe 3 O 4 /SiO 2 magnetic nanoparticles modified with mixed hemi/adâ€micelle cetyltrimethylammonium bromide and high performance liquid chromatography. Journal of Separation Science, 2020, 43, 1224-1231.	1.3	12
38	Polyvinylidene difluoride film with embedded poly(amidoamine) modified graphene oxide for extraction of chlorpyrifos and diazinon. Mikrochimica Acta, 2021, 188, 37.	2.5	12
39	Ultrasound-assisted dispersive magnetic solid phase extraction based on amino-functionalized Fe 3 O 4 adsorbent for recovery of clomipramine from human plasma and its determination by high performance liquid chromatography: Optimization by experimental design. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1063, 18-24.	1.2	11
40	Air assisted - vesicle based microextraction (AAVME) as a fast and green method for the extraction and determination of phenolic compounds in M. officinalis L samples. Talanta, 2019, 195, 807-814.	2.9	11
41	Dimethyldioctadecylanimonium bentonite immobilized magnetic chitosan nanoparticles as an efficient adsorbent for vortexâ€assisted magnetic dispersive microâ€solidâ€phase extraction of celecoxib from human breast milk, plasma and urine samples. Biomedical Chromatography, 2020, 34, e4877.	0.8	11
42	Development of magnetic solid phase extraction based on magnetic chitosanâ€“graphene oxide nanoparticles and deep eutectic solvents for the determination of flavonoids by high performance liquid chromatography. Analytical Methods, 2021, 13, 5821-5829.	1.3	11
43	Developing an alcoholicâ€assisted dispersive liquidâ€“liquid microextraction for extraction of pentachlorophenol in water. Journal of Separation Science, 2012, 35, 3375-3380.	1.3	10
44	OPTIMIZATION OF SEPARATION OF FLAVONOIDS IN MICELLAR LIQUID CHROMATOGRAPHY USING EXPERIMENTAL DESIGN AND DERRINGER'S DESIRABILITY FUNCTION. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 943-957.	0.5	10
45	Ultrasoundâ€assisted supramolecularâ€solventâ€based microextraction combined with highâ€performance liquid chromatography for the analysis of chlorophenols in environmental water samples. Journal of Separation Science, 2016, 39, 4740-4747.	1.3	10
46	Graphene Oxide/Polyethylene Glycol-Stick for Thin Film Microextraction of Î²-Blockers from Human Oral Fluid by Liquid Chromatography-Tandem Mass Spectrometry. Molecules, 2019, 24, 3664.	1.7	10
47	Development of magnetic dispersive micro-solid phase extraction based on magnetic adipic acid nanoparticles and deep eutectic solvents for the isolation and pre-concentration of phenolic compounds in fruit juice samples prior to determination by HPLC-UV. Microchemical Journal, 2021, 170, 106721.	2.3	10
48	Determination of daidzein and genistein in soybean and its waste by matrix solid-phase dispersion extraction and HPLC. Monatshefte FÃ¼r Chemie, 2009, 140, 1143-1148.	0.9	9
49	Chromatographic Behavior of Aromatic Diamines in Hydro-Organic, Micellar and Submicellar Reversed Phase Liquid Chromatographic Modes. Chromatographia, 2013, 76, 23-31.	0.7	9
50	Optimization of parameters for the alcoholic-assisted dispersive liquidâ€“liquid microextraction of estrogens in water. Journal of the Iranian Chemical Society, 2014, 11, 1337-1343.	1.2	9
51	Optimization of alcoholâ€assisted dispersive liquidâ€“liquid microextraction by experimental design for the rapid determination of fluoxetine in biological samples. Journal of Separation Science, 2016, 39, 4784-4793.	1.3	9
52	In situ growth of zeolitic imidazolate framework-8 on a GOâ€“PVDF membrane as a sorbent for thin-film microextraction of caffeine followed by quantitation through high-performance liquid chromatography. Analytical Methods, 2020, 12, 1736-1743.	1.3	8
53	Simultaneous isocratic separation of phenolic acids and flavonoids using micellar liquid chromatography. Journal of Separation Science, 2013, 36, 3667-3672.	1.3	7
54	Application of dispersive liquidâ€“liquid microextraction with alcoholic solvents followed by HPLCâ€“UV as a sensitive and efficient method for the extraction and determination of citalopram in biological samples using an experimental design. Journal of the Iranian Chemical Society, 2017, 14, 985-993.	1.2	7

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55	Optimization of multiwalled carbon nanotubes reinforced hollowâ€fiber solidâ€“liquidâ€phase microextraction for the determination of polycyclic aromatic hydrocarbons in environmental water samples using experimental design. Journal of Separation Science, 2017, 40, 3497-3505.	1.3	7
56	Air-assisted surfactant-enhanced emulsification liquidâ€“liquid microextraction based on the solidification of floating organic droplets followed by high-performance liquid chromatography with ultraviolet detection for the determination of Clozapine in biological samples. Journal of the Iranian Chemical Society, 2019, 16, 2307-2314.	1.2	7
57	Chiral separation of methadone using solid membrane extraction based on chiral selector, solid membrane: sheep skin leather. Journal of the Iranian Chemical Society, 2019, 16, 1611-1616.	1.2	7
58	Synthesis of magnetic nanoparticleâ€based molecularly imprinted polymer as a selective sorbent for efficient extraction of ezetimibe from biological samples. Biomedical Chromatography, 2019, 33, e4404.	0.8	7
59	Optimization of the separation of chlorophenols with stepwise gradient elution in reversed phase liquid chromatography. Journal of Separation Science, 2007, 30, 2687-2692.	1.3	6
60	Application of Multilinear Gradient Elution for Optimization of Separation of Chlorophenols Using Derringerâ€™s Desirability Function. Chromatographia, 2008, 67, 169-172.	0.7	6
61	Simultaneous extraction and analysis of clozapine and lorazepam from human plasma using dual solvent-stir bar microextraction with different acceptor phases followed by high-performance liquid chromatography ultra-violet detection. Analytical Methods, 2021, 13, 110-116.	1.3	6
62	Utilization of water-contained surfactant-based ultrasound-assisted microextraction followed by liquid chromatography for determination of polycyclic aromatic hydrocarbons and benzene in commercial oil sample. Journal of the Iranian Chemical Society, 2016, 13, 1197-1204.	1.2	5
63	Determination of aromatic amines in environmental water samples using solid-phase extraction modified with sodium dodecyl sulphate and micellar liquid chromatography. International Journal of Environmental Analytical Chemistry, 2016, 96, 445-459.	1.8	5
64	Extraction and determination of three benzodiazepines in aqueous and biological samples by air-assisted liquidâ€“liquid microextraction and high-performance liquid chromatography. Journal of the Iranian Chemical Society, 2019, 16, 1147-1155.	1.2	5
65	Low-density-solvent-based air-assisted liquidâ€“liquid microextraction of azathioprine based on multivariate optimization and its trace determination in biological samples. Journal of the Iranian Chemical Society, 2020, 17, 1945-1952.	1.2	5
66	Quantitative Structure-Reduction Potential Relationship Study ofÂSome Quinones in Five Solvents. Journal of Solution Chemistry, 2011, 40, 224-230.	0.6	4
67	Micellar Solution as Green Extractive Solvent for Determination of Content of Quercetin as Natural Antioxidant in Oil Samples. Chromatographia, 2017, 80, 873-880.	0.7	3
68	Experimental and theoretical studies of the interactions of some synthetic food dyes with human serum albumin. Journal of the Iranian Chemical Society, 2022, 19, 885-892.	1.2	3
69	Green mixed micellar liquid chromatography as a toxicity screening method of psychotropic drugs. Journal of the Iranian Chemical Society, 2015, 12, 1399-1404.	1.2	2
70	Separation optimization of aniline and seven 4â€substituted anilines in highâ€submicellar liquid chromatography using empirical retention modeling and <scp>D</scp>erringer's desirability function. Journal of Separation Science, 2013, 36, 2450-2457.	1.3	1
71	Multi-criteria decision making for simultaneous optimization of resolution and analysis time of aromatic diamines in high-submicellar liquid chromatography. Journal of the Iranian Chemical Society, 2014, 11, 123-130.	1.2	1
72	Application of Sigmoidal Transformation Functions in Optimization of Micellar Liquid Chromatographic Separation of Six Quinolone Antibiotics. Journal of Chromatographic Science, 2016, 54, bmv164.	0.7	1