Rouhollah Heydari

List of Publications by Year
in descending order

77 papers	2,139 citations	201674 27 h-index	265206 42 g-index
77 all docs	77 docs citations	77 times ranked	2528 citing authors

#	Article	IF	Citations
1	Polyethersulfone membrane enhanced with iron oxide nanoparticles for copper removal from water: Application of new functionalized Fe3O4 nanoparticles. Chemical Engineering Journal, 2015, 263, 101-112.	12.7	229
2	Green Synthesis of Silver Nanoparticles Using Extract of Oak Fruit Hull (Jaft): Synthesis and In Vitro Cytotoxic Effect on MCF-7 Cells. International Journal of Breast Cancer, 2015, 2015, 1-6.	1.2	122
3	Hydrodistillation-headspace solvent microextraction, a new method for analysis of the essential oil components of Lavandula angustifolia Mill.. Journal of Chromatography A, 2005, 1098, 14-18.	3.7	110
4	Pectin/Chitosan/Tripolyphosphate Nanoparticles: Efficient Carriers for Reducing Soil Sorption, Cytotoxicity, and Mutagenicity of Paraquat and Enhancing Its Herbicide Activity. Journal of Agricultural and Food Chemistry, 2019, 67, 5736-5745.	5.2	76
5	Determination of quercetin using a molecularly imprinted polymer as solid-phase microextraction sorbent and high-performance liquid chromatography. Microchemical Journal, 2019, 148, 433-441.	4.5	62
6	Low-cost sorbent for the removal of aniline and methyl orange from liquid-phase: Aloe Vera leaves wastes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 68, 90-98.	5.3	55
7	Simultaneous determination of carbazole-based explosives in environmental waters by dispersive liquidâ€"liquid microextraction coupled to HPLC with UV-Vis detection. Mikrochimica Acta, 2012, 177, 145-152.	5.0	52
8	Biosynthesis of silver nanoparticles using extract of olive leaf: synthesis and in vitro cytotoxic effect on MCF-7 cells. Journal of Nanostructure in Chemistry, 2014, 4, 1.	9.1	51
9	Thermal Stability and Decomposition Kinetic Studies of Acyclovir and Zidovudine Drug Compounds. AAPS PharmSciTech, 2013, 14, 287-293.	3.3	48
10	Study of New Extraction Methods for Separation of Anthocyanins from Red Grape Skins: Analysis by HPLC and LC-MS/MS. Journal of Liquid Chromatography and Related Technologies, 2008, 31, 2686-2703.	1.0	45
11	A simple method for determination of carmine in food samples based on cloud point extraction and spectrophotometric detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 786-791.	3.9	45
12	Determination of Cu, Cd, Ni, Pb and Zn in Edible Oils Using Reversed-Phase Ultrasonic Assisted Liquidâ€"Liquid Microextraction and Flame Atomic Absorption Spectrometry. Journal of Analytical Chemistry, 2018, 73, 30-35.	0.9	44
13	Salt-assisted liquidâ€"liquid extraction coupled with reversed-phase dispersive liquidâ€"liquid microextraction for sensitive HPLC determination of paraquat in environmental and food samples. Journal of Food Measurement and Characterization, 2019, 13, 269-276.	3.2	43
14	Vortex and air assisted liquidâ€"liquid microextraction as a sample preparation method for high-performed liquid chromatography determinations. Talanta, 2014, 130, 171-176.	5.5	42
15	Ion-pair cloud-point extraction: A new method for the determination of water-soluble vitamins in plasma and urine. Journal of Separation Science, 2014, 37, 2724-2731.	2.5	39
16	A New HPLC Method for the Simultaneous Determination of Acetaminophen, Phenylephrine, Dextromethorphan and Chlorpheniramine in Pharmaceutical Formulations. Analytical Letters, 2008, 41, 965-976.	1.8	38
17	Development of combined salt- and air-assisted liquidâ€"liquid microextraction as a novel sample preparation technique. Analytical Methods, 2014, 6, 8469-8475.	2.7	38
18	Reversedâ€phase vortexâ€assisted liquidâ€"liquid microextraction: A new sample preparation method for the determination of amygdalin in oil and kernel samples. Journal of Separation Science, 2015, 38, 663-669.	2.5	35

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19	Determination of N-vinyl-2-pyrrolidone and N-methyl-2-pyrrolidone in drugs using polypyrrole-based headspace solid-phase microextraction and gas chromatographyâ€“nitrogen-phosphorous detection. Analytica Chimica Acta, 2007, 587, 82-88.	5.4	34
20	Ultrasound and salt-assisted liquidâ€“liquid extraction as an efficient method for natural product extraction. Analytical Methods, 2015, 7, 3253-3259.	2.7	34
21	Monitoring the oleuropein content of olive leaves and fruits using ultrasoundâ€•and saltâ€assisted liquidâ€“liquid extraction optimized by response surface methodology and highâ€performance liquid chromatography. Journal of Separation Science, 2016, 39, 405-411.	2.5	33
22	Binding studies of the antiâ€retroviral drug, efavirenz to calf thymus DNA using spectroscopic and voltammetric techniques. Luminescence, 2016, 31, 108-117.	2.9	33
23	Determination of Efavirenz in Plasma by Dispersive Liquid-Liquid Microextraction Coupled to High-Performance Liquid Chromatography. Current Analytical Chemistry, 2014, 10, 280-287.	1.2	32
24	Oleuropein protects against ethanol-induced oxidative stress and modulates sperm quality in the rat testis. Mediterranean Journal of Nutrition and Metabolism, 2012, 5, 205-211.	0.5	31
25	Determination of 2,4-Dichlorophenoxyacetic acid in food and water samples using a modified graphene oxide sorbent and high-performance liquid chromatography. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2020, 55, 293-300.	1.5	30
26	Polyaniline/graphene oxide nanocomposite as a sorbent for extraction and determination of nicotine using headspace solid-phase microextraction and gas chromatographyâ€“flame ionization detector. Journal of the Iranian Chemical Society, 2018, 15, 1593-1601.	2.2	29
27	Energy consumption and photochemical degradation of Imipenem/Cilastatin antibiotic by process of UVC/ Fe2+/ H2O2 through response surface methodology. Optik, 2019, 182, 1194-1203.	2.9	29
28	A New Spectrophotometric Method for Determination of Selenium in Cosmetic and Pharmaceutical Preparations after Preconcentration with Cloud Point Extraction. International Journal of Analytical Chemistry, 2011, 2011, 1-8.	1.0	28
29	Residual Solvents Determination in Pharmaceuticals by Static Headspace-Gas Chromatography and Headspace Liquid-Phase Microextraction Gas Chromatography. Analytical Letters, 2012, 45, 1875-1884.	1.8	28
30	Ultrasound-Assisted Matrix Solid-Phase Dispersion Coupled with Reversed-Phase Dispersive Liquidâ€“Liquid Microextraction for Determination of Vitamin C in Various Matrices. Food Analytical Methods, 2019, 12, 1949-1956.	2.6	27
31	Antibacterial Activity of Fe₃O₄/Cu Nanocomposite: Green Synthesis Using Carum carvi L. Seeds Aqueous Extract. ChemistrySelect, 2019, 4, 531-535.	1.5	27
32	Oleuropein extraction using microfluidic system. Chemical Engineering and Processing: Process Intensification, 2015, 92, 1-6.	3.6	26
33	Dispersive micro-solid phase extraction in micro-channel. Microchemical Journal, 2021, 170, 106676.	4.5	26
34	Rapid Screening of Oleuropein from Olive Leaves Using Matrix Solid-Phase Dispersion and High-Performance Liquid Chromatography. Journal of AOAC INTERNATIONAL, 2014, 97, 1109-1113.	1.5	24
35	Rapid monitoring of carvacrol in plants and herbal medicines using matrix solid-phase dispersion and gas chromatography flame ionisation detector. Natural Product Research, 2015, 29, 621-627.	1.8	24
36	Cationic Surfactant-modified Clay as an Adsorbent for the Removal of Synthetic Dyes from Aqueous Solutions. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	24

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37	Rapid Monitoring and Determination of Class 1 Residual Solvents in Pharmaceuticals Using Dispersive Liquidâ€“Liquid Microextraction and Gas Chromatographyâ€“Mass Spectrometry. Journal of Chromatographic Science, 2015, 53, 1020-1025.	1.4	23
38	Data on the bisphenol A adsorption from aqueous solutions on PAC and MgO–PAC crystals. Data in Brief, 2018, 21, 746-752.	1.0	23
39	Determination of gabapentin in human plasma using simultaneous cloud point extraction and precolumn derivatization by HPLC. Monatshefte FÃ¼r Chemie, 2013, 144, 773-779.	1.8	21
40	A novel pH optical sensor using methyl orange based on triacetylcellulose membranes as support. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 864-867.	3.9	21
41	SIMULTANEOUS DETERMINATION OF SACCHARINE, CAFFEINE, SALICYLIC ACID AND BENZOIC ACID IN DIFFERENT MATRIXES BY SALT AND AIR-ASSISTED HOMOGENEOUS LIQUID-LIQUID EXTRACTION AND HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY. Journal of the Chilean Chemical Society, 2016, 61, 3090-3094.	1.2	21
42	Simultaneous Determination of Zidovudine and Lamivudine in Plasma Samples Using Miniaturized Homogenous Liquidâ€“Liquid Extraction and High-Performance Liquid Chromatography. Journal of Analytical Chemistry, 2018, 73, 1105-1110.	0.9	19
43	Saltâ€assisted liquidâ€“liquid extraction in microchannel. Journal of Separation Science, 2019, 42, 3217-3224.	2.5	19
44	Rapid essential oil screening ofRosmarinus officinalis L. by hydrodistillationâ€“headspace solvent microextraction. Flavour and Fragrance Journal, 2007, 22, 280-285.	2.6	18
45	Solvent-vapor-assisted liquid-liquid microextraction: A novel method for the determination of phthalate esters in aqueous samples using GC-MS. Journal of Separation Science, 2017, 40, 4394-4402.	2.5	17
46	Synthesis, crystallographic studies, electrochemical and in vitro cytotoxicity properties of two Mnâ€Œ(II) and U(IV) complexes containing dipicolinic acid and 4-dimethylaminopyridine. Polyhedron, 2020, 181, 114477.	2.2	17
47	Preparation of a novel pH optical sensor using orange (II) based on agarose membrane as support. Materials Science and Engineering C, 2016, 61, 333-337.	7.3	16
48	Experimental data of electric coagulation and photo-electro-phenton process efficiency in the removal of metronidazole antibiotic from aqueous solution. Data in Brief, 2018, 18, 96-101.	1.0	16
49	Synthesis, X-ray crystal structure, thermal behavior and evaluation as aninÂvitrocytotoxic agent of a tin(IV) complex containing dipicolinic acid. Journal of Coordination Chemistry, 2020, 73, 2347-2362.	2.2	15
50	Simultaneous Determination of EDTA, Sorbic Acid, and Diclofenac Sodium in Pharmaceutical Preparations Using High-Performance Liquid Chromatography. AAPS PharmSciTech, 2013, 14, 764-769.	3.3	13
51	Spectrophotometric determination of trace amounts of Sb(III) and Sb(V) in water and biological samples by in-tube dispersive liquidâ€“liquid microextraction and air-assisted liquidâ€“liquid microextraction. Chemical Papers, 2021, 75, 6499-6508.	2.2	13
52	Photocatalytic Degradation of Diazinon in Aqueous Solutions Using Immobilized MgO Nanoparticles on Concrete. International Journal of Chemical Reactor Engineering, 2019, 17, .	1.1	12
53	DETERMINATION OF POLYCYCLIC AROMATIC HYDROCARBONS IN SOIL SAMPLES USING ULTRASONIC PROBE AND SALT-ASSISTED LIQUID-LIQUID EXTRACTION COUPLED WITH HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY. Journal of the Chilean Chemical Society, 2019, 64, 4332-4336.	1.2	11
54	Determination of paraquat in environmental samples using salt-assisted liquid-liquid extraction coupled with microchannel and HPLC. International Journal of Environmental Analytical Chemistry, 2020, 100, 1325-1335.	3.3	11

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55	High-performance nanofiltration membranes consisting of the new functionalized mesoporous for enhanced antifouling attributes and simultaneous removal of salts, dyes and heavy metals. Environmental Technology and Innovation, 2021, 24, 101929.	6.1	11
56	Phytochemical Profiles and Antibacterial Activities of Hydroalcoholic Extracts of Origanum vulgare and Hypericum perforatum and Carvacrol and Hypericin as a Promising Anti-Staphylococcus aureus. Mini-Reviews in Medicinal Chemistry, 2019, 19, 923-932.	2.4	11
57	Synthesis and evaluation of the antibacterial effect of titanium dioxide nanoparticles in comparison with ampicillin, colistin, and ertapenem on Staphylococcus aureus. Journal of Pharmaceutical Negative Results, 2019, 10, 16.	0.2	10
58	Semi-automated salt-assisted liquidâ€“liquid extraction coupled to high-performance liquid chromatography to determine three aromatic hydrocarbons in aqueous samples. Journal of the Iranian Chemical Society, 2017, 14, 1691-1698.	2.2	9
59	Study of angiotensin-converting enzyme insertion/deletion polymorphism, enzyme activity and oxidized low density lipoprotein in Western Iranians with atherosclerosis: a case-control study. BMC Cardiovascular Disorders, 2019, 19, 184.	1.7	9
60	DEVELOPMENT AND VALIDATION OF A NEW HIGH PERFORMANCE LIQUID CHROMATOGRAPHIC METHOD FOR ENANTIOSEPARATION OF DORZOLAMIDE HYDROCHLORIDE ON A COATED CELLULOSE PHENYLCARBAMATE CHIRAL STATIONARY PHASE. Journal of Liquid Chromatography and Related Technologies, 2011, 34, 1367-1380.	1.0	8
61	Enantiomeric Separation and Quantitation of Tenofovir Disoproxil Fumarate Using Amylose-Based Chiral Stationary Phases by High-Performance Liquid Chromatography. Acta Chromatographica, 2015, 27, 583-595.	1.3	8
62	Spanish olive leaf extractâ€loaded nanostructured lipid carriers: Production and physicochemical characterization by Zetasizer, FTâ€IR, DTA/TGA, FEâ€SEM and XRD. Journal of Food Processing and Preservation, 2019, 43, e13994.	2.0	8
63	Composition of the Essential Oil of Rhabdosciadium strausii from Iran. Chemistry of Natural Compounds, 2005, 41, 413-414.	0.8	7
64	Simultaneous determination of paracetamol and caffeine in aqueous samples by ultrasoundâ€assisted emulsification microextraction coupled with highâ€performance liquid chromatography. Separation Science Plus, 2020, 3, 561-570.	0.6	7
65	Determination of 2,4-Dichlorophenoxyacetic Acid in Water and Edible Seeds Samples Using Salt-Assisted Liquid-Liquid Extraction Coupled with High-Performance Liquid Chromatography. Food Analytical Methods, 2021, 14, 561-567.	2.6	7
66	REMOVAL OF REACTIVE RED 198 FROM AQUEOUS SOLUTIONS USING MODIFIED CLAY: OPTIMIZATION, KINETIC AND ISOTHERM. Journal of the Chilean Chemical Society, 2020, 65, 4958-4961.	1.2	7
67	Determination of diazinon in water and food samples using magnetic solidâ€phase extraction coupled with liquid chromatography. Separation Science Plus, 2020, 3, 428-437.	0.6	6
68	Chiral separation and quantitation of dorzolamide hydrochloride enantiomers by highâ€performance liquid chromatography. Journal of Separation Science, 2010, 33, 2328-2333.	2.5	5
69	Two Synthetic Methods for Preparation of Chiral Stationary Phases Using Crystalline Degradation Products of Vancomycin: Column Performance for Enantioseparation of Acidic and Basic Drugs. AAPS PharmSciTech, 2017, 18, 1855-1862.	3.3	5
70	Rapid Enantiomeric Separation and Quantitation of Levetiracetam on Î±-Acid Glycoprotein (AGP) Chiral Stationary Phase by High-Performance Liquid Chromatography. Journal of AOAC INTERNATIONAL, 2015, 98, 1529-1534.	1.5	4
71	Determination of the Fatty Acid Composition of Amygdalus scoparia Kernels from Iran Using Gas Chromatography-Mass Spectrometry. Chemistry of Natural Compounds, 2017, 53, 538-539.	0.8	4
72	Graphene oxide/polydopamine-polyacrylamide nanocomposite as a sorbent for dispersive micro-solid phase extraction of diazinon from environmental and food samples and its determination by HPLC-UV detection. International Journal of Environmental Analytical Chemistry, 2023, 103, 7431-7446.	3.3	4

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73	Fouling alleviation and enhanced salt rejection in NF membranes via incorporation of 5-amino-1-phenyl-3-(thiophen-2-yl)-1H-pyrazole-4â€carbonitrile functionalized pectin in PES matrix. Journal of Water Process Engineering, 2022, 48, 102888.	5.6	4
74	Catalytic ozonation process using MgO-PAC to degrade bisphenol A from aqueous solutions. , 0, 184, 232-242.		3
75	Investigating the physicochemical, sensory and microbial properties of plant-based protein products (meat-free burgers) formulated using various Vicia ervilia (L.) Willd. protein isolates. Plant Science Today, 2019, 6, 346-355.	0.7	2
76	Determination of 2,4â€dichlorophenoxyacetic acid in environmental and food samples using saltâ€assisted liquidâ€liquid extraction coupled with microâ€channel and highâ€performance liquid chromatography. Separation Science Plus, 0, , .	0.6	1
77	Composition of the essential oils, antioxidant and antibacterial activities of the methanolic extract of Prangos uloptera. Immunopathologia Persa, 0, , .	0.9	0