

# Rouhollah Heydari

## List of Publications by Year in descending order

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77  
papers

2,139  
citations

201575

27  
h-index

265120

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 Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Chemical Engineering Journal</i> , 2015, 263, 101-112.	6.6	229
2	Green Synthesis of Silver Nanoparticles Using Extract of Oak Fruit Hull (Jaft): Synthesis and In Vitro Cytotoxic Effect on MCF-7 Cells. <i>International Journal of Breast Cancer</i> , 2015, 2015, 1-6.	0.6	122
3	Hydrodistillation-headspace solvent microextraction, a new method for analysis of the essential oil components of <i>Lavandula angustifolia</i> Mill.. <i>Journal of Chromatography A</i> , 2005, 1098, 14-18.	1.8	110
4	Pectin/Chitosan/Tripolyphosphate Nanoparticles: Efficient Carriers for Reducing Soil Sorption, Cytotoxicity, and Mutagenicity of Paraquat and Enhancing Its Herbicide Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5736-5745.	2.4	76
5	Determination of quercetin using a molecularly imprinted polymer as solid-phase microextraction sorbent and high-performance liquid chromatography. <i>Microchemical Journal</i> , 2019, 148, 433-441.	2.3	62
6	Low-cost sorbent for the removal of aniline and methyl orange from liquid-phase: Aloe Vera leaves wastes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 90-98.	2.7	55
7	Simultaneous determination of carbazole-based explosives in environmental waters by dispersive liquid-liquid microextraction coupled to HPLC with UV-Vis detection. <i>Mikrochimica Acta</i> , 2012, 177, 145-152.	2.5	52
8	Biosynthesis of silver nanoparticles using extract of olive leaf: synthesis and in vitro cytotoxic effect on MCF-7 cells. <i>Journal of Nanostructure in Chemistry</i> , 2014, 4, 1.	5.3	51
9	Thermal Stability and Decomposition Kinetic Studies of Acyclovir and Zidovudine Drug Compounds. <i>AAPS PharmSciTech</i> , 2013, 14, 287-293.	1.5	48
10	Study of New Extraction Methods for Separation of Anthocyanins from Red Grape Skins: Analysis by HPLC and LC-MS/MS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 2686-2703.	0.5	45
11	A simple method for determination of carmine in food samples based on cloud point extraction and spectrophotometric detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 786-791.	2.0	45
12	Determination of Cu, Cd, Ni, Pb and Zn in Edible Oils Using Reversed-Phase Ultrasonic Assisted Liquid-Liquid Microextraction and Flame Atomic Absorption Spectrometry. <i>Journal of Analytical Chemistry</i> , 2018, 73, 30-35.	0.4	44
13	Salt-assisted liquid-liquid extraction coupled with reversed-phase dispersive liquid-liquid microextraction for sensitive HPLC determination of paraquat in environmental and food samples. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 269-276.	1.6	43
14	Vortex and air assisted liquid-liquid microextraction as a sample preparation method for high-performed liquid chromatography determinations. <i>Talanta</i> , 2014, 130, 171-176.	2.9	42
15	Ion-pair cloud-point extraction: A new method for the determination of water-soluble vitamins in plasma and urine. <i>Journal of Separation Science</i> , 2014, 37, 2724-2731.	1.3	39
16	A New HPLC Method for the Simultaneous Determination of Acetaminophen, Phenylephrine, Dextromethorphan and Chlorpheniramine in Pharmaceutical Formulations. <i>Analytical Letters</i> , 2008, 41, 965-976.	1.0	38
17	Development of combined salt- and air-assisted liquid-liquid microextraction as a novel sample preparation technique. <i>Analytical Methods</i> , 2014, 6, 8469-8475.	1.3	38
18	Reversed-phase vortex-assisted liquid-liquid microextraction: A new sample preparation method for the determination of amygdalin in oil and kernel samples. <i>Journal of Separation Science</i> , 2015, 38, 663-669.	1.3	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 chromatography with nitrogen-phosphorous detection. <i>Analytica Chimica Acta</i> , 2007, 587, 82-88.	2.6	34
20	Ultrasound and salt-assisted liquid-liquid extraction as an efficient method for natural product extraction. <i>Analytical Methods</i> , 2015, 7, 3253-3259.	1.3	34
21	Monitoring the oleuropein content of olive leaves and fruits using ultrasound and salt-assisted liquid-liquid extraction optimized by response surface methodology and high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2016, 39, 405-411.	1.3	33
22	Binding studies of the anti-retroviral drug, efavirenz to calf thymus DNA using spectroscopic and voltammetric techniques. <i>Luminescence</i> , 2016, 31, 108-117.	1.5	33
23	Determination of Efavirenz in Plasma by Dispersive Liquid-Liquid Microextraction Coupled to High-Performance Liquid Chromatography. <i>Current Analytical Chemistry</i> , 2014, 10, 280-287.	0.6	32
24	Oleuropein protects against ethanol-induced oxidative stress and modulates sperm quality in the rat testis. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2012, 5, 205-211.	0.2	31
25	Determination of 2,4-Dichlorophenoxyacetic acid in food and water samples using a modified graphene oxide sorbent and high-performance liquid chromatography. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2020, 55, 293-300.	0.7	30
26	Polyaniline/graphene oxide nanocomposite as a sorbent for extraction and determination of nicotine using headspace solid-phase microextraction and gas chromatography with flame ionization detector. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1593-1601.	1.2	29
27	Energy consumption and photochemical degradation of Imipenem/Cilastatin antibiotic by process of UVC/ Fe <sup>2+</sup> / H <sub>2</sub> O <sub>2</sub> through response surface methodology. <i>Optik</i> , 2019, 182, 1194-1203.	1.4	29
28	A New Spectrophotometric Method for Determination of Selenium in Cosmetic and Pharmaceutical Preparations after Preconcentration with Cloud Point Extraction. <i>International Journal of Analytical Chemistry</i> , 2011, 2011, 1-8.	0.4	28
29	Residual Solvents Determination in Pharmaceuticals by Static Headspace-Gas Chromatography and Headspace Liquid-Phase Microextraction Gas Chromatography. <i>Analytical Letters</i> , 2012, 45, 1875-1884.	1.0	28
30	Ultrasound-Assisted Matrix Solid-Phase Dispersion Coupled with Reversed-Phase Dispersive Liquid-Liquid Microextraction for Determination of Vitamin C in Various Matrices. <i>Food Analytical Methods</i> , 2019, 12, 1949-1956.	1.3	27
31	Antibacterial Activity of Fe <sub>3</sub> O <sub>4</sub> /Cu Nanocomposite: Green Synthesis Using <i>Carum carvi</i> L. Aqueous Extract. <i>ChemistrySelect</i> , 2019, 4, 531-535.	0.7	27
32	Oleuropein extraction using microfluidic system. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 92, 1-6.	1.8	26
33	Dispersive micro-solid phase extraction in micro-channel. <i>Microchemical Journal</i> , 2021, 170, 106676.	2.3	26
34	Rapid Screening of Oleuropein from Olive Leaves Using Matrix Solid-Phase Dispersion and High-Performance Liquid Chromatography. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 1109-1113.	0.7	24
35	Rapid monitoring of carvacrol in plants and herbal medicines using matrix solid-phase dispersion and gas chromatography flame ionisation detector. <i>Natural Product Research</i> , 2015, 29, 621-627.	1.0	24
36	Cationic Surfactant-modified Clay as an Adsorbent for the Removal of Synthetic Dyes from Aqueous Solutions. <i>International Journal of Chemical Reactor Engineering</i> , 2018, 16, .	0.6	24

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37	Rapid Monitoring and Determination of Class 1 Residual Solvents in Pharmaceuticals Using Dispersive Liquid-Liquid Microextraction and Gas Chromatography-Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2015, 53, 1020-1025.	0.7	23
38	Data on the bisphenol A adsorption from aqueous solutions on PAC and MgO-PAC crystals. <i>Data in Brief</i> , 2018, 21, 746-752.	0.5	23
39	Determination of gabapentin in human plasma using simultaneous cloud point extraction and precolumn derivatization by HPLC. <i>Monatshefte für Chemie</i> , 2013, 144, 773-779.	0.9	21
40	A novel pH optical sensor using methyl orange based on triacetylcellulose membranes as support. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 864-867.	2.0	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. <i>Journal of the Chilean Chemical Society</i> , 2016, 61, 3090-3094.	0.5	21
42	Simultaneous Determination of Zidovudine and Lamivudine in Plasma Samples Using Miniaturized Homogenous Liquid-Liquid Extraction and High-Performance Liquid Chromatography. <i>Journal of Analytical Chemistry</i> , 2018, 73, 1105-1110.	0.4	19
43	Salt-assisted liquid-liquid extraction in microchannel. <i>Journal of Separation Science</i> , 2019, 42, 3217-3224.	1.3	19
44	Rapid essential oil screening of <i>Rosmarinus officinalis</i> L. by hydrodistillation-headspace solvent microextraction. <i>Flavour and Fragrance Journal</i> , 2007, 22, 280-285.	1.2	18
45	Solvent-vapor-assisted liquid-liquid microextraction: novel method for the determination of phthalate esters in aqueous samples using GC-MS. <i>Journal of Separation Science</i> , 2017, 40, 4394-4402.	1.3	17
46	Synthesis, crystallographic studies, electrochemical and in vitro cytotoxicity properties of two Mn(II) and U(IV) complexes containing dipicolinic acid and 4-dimethylaminopyridine. <i>Polyhedron</i> , 2020, 181, 114477.	1.0	17
47	Preparation of a novel pH optical sensor using orange (II) based on agarose membrane as support. <i>Materials Science and Engineering C</i> , 2016, 61, 333-337.	3.8	16
48	Experimental data of electric coagulation and photo-electro-phenton process efficiency in the removal of metronidazole antibiotic from aqueous solution. <i>Data in Brief</i> , 2018, 18, 96-101.	0.5	16
49	Synthesis, X-ray crystal structure, thermal behavior and evaluation as an in vitro cytotoxic agent of a tin(IV) complex containing dipicolinic acid. <i>Journal of Coordination Chemistry</i> , 2020, 73, 2347-2362.	0.8	15
50	Simultaneous Determination of EDTA, Sorbic Acid, and Diclofenac Sodium in Pharmaceutical Preparations Using High-Performance Liquid Chromatography. <i>AAPS PharmSciTech</i> , 2013, 14, 764-769.	1.5	13
51	Spectrophotometric determination of trace amounts of Sb(III) and Sb(V) in water and biological samples by in-tube dispersive liquid-liquid microextraction and air-assisted liquid-liquid microextraction. <i>Chemical Papers</i> , 2021, 75, 6499-6508.	1.0	13
52	Photocatalytic Degradation of Diazinon in Aqueous Solutions Using Immobilized MgO Nanoparticles on Concrete. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	0.6	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. <i>Journal of the Chilean Chemical Society</i> , 2019, 64, 4332-4336.	0.5	11
54	Determination of paraquat in environmental samples using salt-assisted liquid-liquid extraction coupled with microchannel and HPLC. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 1325-1335.	1.8	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. <i>Environmental Technology and Innovation</i> , 2021, 24, 101929.	3.0	11
56	Phytochemical Profiles and Antibacterial Activities of Hydroalcoholic Extracts of <i>Origanum vulgare</i> and <i>Hypericum perforatum</i> and Carvacrol and Hypericin as a Promising Anti- <i>Staphylococcus aureus</i> . <i>Mini-Reviews in Medicinal Chemistry</i> , 2019, 19, 923-932.	1.1	11
57	Synthesis and evaluation of the antibacterial effect of titanium dioxide nanoparticles in comparison with ampicillin, colistin, and ertapenem on <i>Staphylococcus aureus</i> . <i>Journal of Pharmaceutical Negative Results</i> , 2019, 10, 16.	0.1	10
58	Semi-automated salt-assisted liquid-liquid extraction coupled to high-performance liquid chromatography to determine three aromatic hydrocarbons in aqueous samples. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1691-1698.	1.2	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. <i>BMC Cardiovascular Disorders</i> , 2019, 19, 184.	0.7	9
60	DEVELOPMENT AND VALIDATION OF A NEW HIGH PERFORMANCE LIQUID CHROMATOGRAPHIC METHOD FOR ENANTIOSEPARATION OF DORZOLAMIDE HYDROCHLORIDE ON A COATED CELLULOSE PHENYL CARBAMATE CHIRAL STATIONARY PHASE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 1367-1380.	0.5	8
61	Enantiomeric Separation and Quantitation of Tenofovir Disoproxil Fumarate Using Amylose-Based Chiral Stationary Phases by High-Performance Liquid Chromatography. <i>Acta Chromatographica</i> , 2015, 27, 583-595.	0.7	8
62	Spanish olive leaf extract-loaded nanostructured lipid carriers: Production and physicochemical characterization by Zetasizer, FTIR, DTA/TGA, FESEM and XRD. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e13994.	0.9	8
63	Composition of the Essential Oil of <i>Rhabdosciadium strausii</i> from Iran. <i>Chemistry of Natural Compounds</i> , 2005, 41, 413-414.	0.2	7
64	Simultaneous determination of paracetamol and caffeine in aqueous samples by ultrasound-assisted emulsification microextraction coupled with high-performance liquid chromatography. <i>Separation Science Plus</i> , 2020, 3, 561-570.	0.3	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. <i>Food Analytical Methods</i> , 2021, 14, 561-567.	1.3	7
66	REMOVAL OF REACTIVE RED 198 FROM AQUEOUS SOLUTIONS USING MODIFIED CLAY: OPTIMIZATION, KINETIC AND ISOTHERM. <i>Journal of the Chilean Chemical Society</i> , 2020, 65, 4958-4961.	0.5	7
67	Determination of diazinon in water and food samples using magnetic solid-phase extraction coupled with liquid chromatography. <i>Separation Science Plus</i> , 2020, 3, 428-437.	0.3	6
68	Chiral separation and quantitation of dorzolamide hydrochloride enantiomers by high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2010, 33, 2328-2333.	1.3	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. <i>AAPS PharmSciTech</i> , 2017, 18, 1855-1862.	1.5	5
70	Rapid Enantiomeric Separation and Quantitation of Levetiracetam on $\beta$ -Acid Glycoprotein (AGP) Chiral Stationary Phase by High-Performance Liquid Chromatography. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 1529-1534.	0.7	4
71	Determination of the Fatty Acid Composition of <i>Amygdalus scoparia</i> Kernels from Iran Using Gas Chromatography-Mass Spectrometry. <i>Chemistry of Natural Compounds</i> , 2017, 53, 538-539.	0.2	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. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 7431-7446.	1.8	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-4-carbonitrile functionalized pectin in PES matrix. <i>Journal of Water Process Engineering</i> , 2022, 48, 102888.	2.6	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 <i>Vicia ervilia</i> (L.) Willd. protein isolates. <i>Plant Science Today</i> , 2019, 6, 346-355.	0.4	2
76	Determination of 2,4-dichlorophenoxyacetic acid in environmental and food samples using salt-assisted liquid-liquid extraction coupled with micro-channel and high-performance liquid chromatography. <i>Separation Science Plus</i> , 0, , .	0.3	1
77	Composition of the essential oils, antioxidant and antibacterial activities of the methanolic extract of <i>Prangos uloptera</i> . <i>Immunopathologia Persa</i> , 0, , .	0.5	0