

Mehdi Ashraf-Khorassani

List of Publications by Year in descending order

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50
papers

1,812
citations

304602

22
h-index

265120

42
g-index

51
all docs

51
docs citations

51
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytosterol Composition of Nuts and Seeds Commonly Consumed in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 9436-9445.	2.4	354
2	Bis(m-phenylene)-32-crown-10-Based Cryptands, Powerful Hosts for Paraquat Derivatives. <i>Journal of Organic Chemistry</i> , 2005, 70, 3231-3241.	1.7	134
3	MEMS-based semi-packed gas chromatography columns. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 309-315.	4.0	125
4	Design, Modeling, and Fabrication of MEMS-Based Multicapillary Gas Chromatographic Columns. <i>Journal of Microelectromechanical Systems</i> , 2009, 18, 28-37.	1.7	82
5	Sequential Fractionation of Grape Seeds into Oils, Polyphenols, and Procyanidins via a Single System Employing CO ₂ -Based Fluids. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 2440-2444.	2.4	74
6	Supercritical fluid extraction of metal ions and metal chelates from different environments. <i>Journal of Chromatography A</i> , 1997, 774, 37-49.	1.8	72
7	Synthesis of a Symmetric Cylindrical Bis(crown ether) Host and Its Complexation with Paraquat. <i>Journal of Organic Chemistry</i> , 2005, 70, 809-813.	1.7	70
8	Formation of dimers of inclusion cryptand/paraquat complexes driven by dipole-dipole and face-to-face π -stacking interactions. <i>Chemical Communications</i> , 2004, , 2670-2671.	2.2	64
9	Separation of metal-containing compounds by supercritical fluid chromatography. <i>Analytical Chemistry</i> , 1987, 59, 2077-2081.	3.2	61
10	Subcritical fluid chromatography of water soluble nucleobases on various polar stationary phases facilitated with alcohol-modified CO ₂ and water as the polar additive. <i>Journal of Separation Science</i> , 2010, 33, 1682-1691.	1.3	61
11	ANALYSIS OF STERYL GLUCOSIDES IN FOODS AND DIETARY SUPPLEMENTS BY SOLID-PHASE EXTRACTION AND GAS CHROMATOGRAPHY. <i>Journal of Food Lipids</i> , 2005, 12, 124-140.	0.9	59
12	Solubility of metal chelates and their extraction from an aqueous environment via supercritical CO ₂ . <i>Talanta</i> , 1997, 44, 755-763.	2.9	52
13	Quantitative analysis of polymer additives in low density polyethylene using supercritical fluid extraction/supercritical fluid chromatography. <i>Journal of High Resolution Chromatography</i> , 1990, 13, 742-747.	2.0	46
14	Cryogenically Cooled Adsorbent Trap for Off-Line Supercritical Fluid Extraction. <i>Journal of Chromatographic Science</i> , 1992, 30, 361-366.	0.7	45
15	Microwave-Induced Plasma as an Elemental Detector for Packed-Column Supercritical Fluid Chromatography. <i>Applied Spectroscopy</i> , 1989, 43, 737-741.	1.2	42
16	Solubility Study of Sulfamethazine and Sulfadimethoxine in Supercritical Carbon Dioxide, Fluoroform, and Subcritical Freon 134A. <i>Journal of Chemical & Engineering Data</i> , 1997, 42, 636-640.	1.0	39
17	Difference in Folate Content of Green and Red Sweet Peppers (<i>Capsicum annuum</i>) Determined by Liquid Chromatography-Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 9998-10002.	2.4	35
18	C60 fullerenes from combustion of common fuels. <i>Science of the Total Environment</i> , 2016, 547, 254-260.	3.9	30

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19	Extraction and determination of linear alkylbenzenesulfonate detergents from the aquatic environment using a membrane disk and gas chromatography. <i>Journal of High Resolution Chromatography</i> , 1994, 17, 634-638.	2.0	29
20	Design for On-Line Coupling of Supercritical Fluid Extraction with Liquid Chromatography: A Quantitative Analysis of Polynuclear Aromatic Hydrocarbons in a Solid Matrix. <i>Analytical Chemistry</i> , 2003, 75, 3979-3985.	3.2	26
21	On-line coupling of supercritical CO ₂ extraction with reversed-phase liquid chromatography for the quantitative analysis of analytes in aqueous matrices. <i>Journal of Chromatography A</i> , 2004, 1033, 221-227.	1.8	26
22	pH effects on the direct supercritical fluid extraction of phenols from aqueous matrices. <i>Journal of Supercritical Fluids</i> , 1996, 9, 122-127.	1.6	25
23	Supercritical fluid extraction of mercury(II) ion via in situ chelation and pre-formed mercury complexes from different matrices. <i>Analytica Chimica Acta</i> , 1999, 379, 1-9.	2.6	23
24	On-Line coupling of supercritical fluid extraction with high performance liquid chromatography. <i>Journal of High Resolution Chromatography</i> , 1995, 18, 472-476.	2.0	22
25	Slow-exchange C ₃ -symmetric cryptand/trispyridinium inclusion complexes containing non-linear guests: a new type of threaded structure. <i>Tetrahedron Letters</i> , 2005, 46, 6765-6769.	0.7	19
26	Feasibility Study of Online Supercritical Fluid Extraction-Liquid Chromatography-UV Absorbance-Mass Spectrometry for the Determination of Proanthocyanidins in Grape Seeds. <i>Journal of Chromatographic Science</i> , 2005, 43, 109-115.	0.7	18
27	Supercritical fluid extraction of phenoxy acids from water. <i>Journal of High Resolution Chromatography</i> , 1995, 18, 446-448.	2.0	16
28	Quantitative Recovery of Sulfonamides from Chicken Liver, Beef Liver, and Egg Yolk via Modified Supercritical Carbon Dioxide. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 1779-1783.	2.4	15
29	Considerations in off-line collection after SFE. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 344, 517-520.	1.5	14
30	Alkyl pyrazine synthesis via an open heated bath with variable sugars, ammonia, and various amino acids. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2263-2270.	1.7	14
31	Effect of moisture on supercritical fluid extraction of polynuclear aromatic hydrocarbons and phenols from soil using an automated extractor. <i>Journal of High Resolution Chromatography</i> , 1995, 18, 709-712.	2.0	13
32	Purification of Pharmaceutical Excipients with Supercritical Fluid Extraction. <i>Pharmaceutical Development and Technology</i> , 2005, 10, 507-516.	1.1	13
33	Solubility Determination of TNT and Wax and Their Fractionation from an Explosive Material Using a Supercritical Fluid. <i>Journal of Chemical & Engineering Data</i> , 1999, 44, 1254-1258.	1.0	11
34	Folic Acid Content of Ready-to-Eat Cereals Determined by Liquid Chromatography-Mass Spectrometry: Comparison to Product Label and to Values Determined by Microbiological Assay. <i>Cereal Chemistry</i> , 2010, 87, 42-49.	1.1	11
35	Comparison of Supercritical CHF ₃ and CO ₂ and Methanol-Modified CHF ₃ and CO ₂ for Extraction of Sulfonamides from Chicken Liver. <i>Journal of AOAC INTERNATIONAL</i> , 1996, 79, 1043-1049.	0.7	10
36	Supercritical fluid extraction of wood pulp with analysis by capillary gas chromatography-mass spectrometry. <i>Journal of Supercritical Fluids</i> , 2001, 19, 275-286.	1.6	8

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37	Development of a Method for Extraction of Organochlorine Pesticides from Rendered Chicken Fat via Supercritical Fluoroform. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 3540-3547.	2.4	7
38	A Unified Sample Preparation System for Extraction of Various Analyte/Matrix Combinations. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 271-275.	2.0	7
39	Complexes of Diquat with Dibenzo[24]Crown[8]. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1777-1781.	2.6	7
40	Use of Modifiers in Supercritical Fluid Extraction. <i>ACS Symposium Series</i> , 1992, , 336-361.	0.5	6
41	Separation and Identification of Sulfonamide Drugs via SFC/FT-IR Mobile-Phase Elimination Interface. <i>Applied Spectroscopy</i> , 1997, 51, 1791-1795.	1.2	6
42	Supercritical Fluid Chromatography with Evaporative Light Scattering Detection (SFC-ELSD) for Determination of Oligomer Molecular Weight Distributions. <i>Chromatographia</i> , 2016, 79, 977-984.	0.7	6
43	Separation of stereoisomers of 7-oxa-bicyclo[2.2.1]heptene sulfonate (OBHS), a Selective Estrogen Receptor Modulator (SERM), via chiral stationary phases using SFC/UV and SFC/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 279-285.	1.2	5
44	Synthesis, Purification, and Quantification of Fatty Acid Ethyl Esters After trans-Esterification of Large Batches of Tobacco Seed Oil. <i>Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research</i> , 2015, 26, 205-213.	0.3	4
45	Isolation of Free Amino Acids via Enzymatic Hydrolysis of Tobacco-Derived F1 Protein. <i>Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research</i> , 2018, 28, 179-190.	0.3	3
46	Chapter 11 Multidimensional SFE and SFC. <i>Journal of Chromatography Library</i> , 1992, 53, 197-223.	0.1	1
47	Analysis of Supercritical CO ₂ Extractables from Cranberry Seeds. <i>ACS Symposium Series</i> , 2006, , 36-50.	0.5	1
48	Optimal Synthesis of Substituted and Branched Pyrazines via Reaction of Alpha Hydroxy Ketones with Selected Nitrogen Sources. <i>Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research</i> , 2019, 28, 267-277.	0.3	1
49	Synthesis of Pyrazines Using Sugar Derived from Tobacco Cellulose and Hydrolyzed Tobacco F1 Protein as an Amino Acid Source. <i>Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research</i> , 2018, 28, 103-111.	0.3	0
50	Optimization of α -Hydroxyketone and Pyrazine Syntheses Employing Preliminary Reactions of Glucose and Buffer Solutions. <i>Beitrage Zur Tabakforschung International/ Contributions To Tobacco Research</i> , 2019, 28, 329-339.	0.3	0