Tao Zhu

List of Publications by Year
in descending order

74 papers	1,189 citations	361413 20 h-index	454955 30 g-index
74 all docs	74 docs citations	74 times ranked	1311 citing authors

#	Article	IF	Citations
1	Optimization of crude polysaccharides extraction from Hizikia fusiformis using response surface methodology. Carbohydrate Polymers, 2010, 82, 106-110.	10.2	77
2	Preparation and applications of hybrid organicâ€"inorganic monoliths: A review. Journal of Separation Science, 2012, 35, 1294-1302.	2.5	70
3	Preparation of hybrid molecularly imprinted polymer with double-templates for rapid simultaneous purification of theophylline and chlorogenic acid in green tea. Talanta, 2016, 152, 1-8.	5.5	64
4	Pipetteâ€tip solidâ€phase extraction based on deep eutectic solvent modified graphene for the determination of sulfamerazine in river water. Journal of Separation Science, 2017, 40, 1887-1895.	2.5	57
5	Specific recognition of polyphenols by molecularly imprinted polymers based on a ternary deep eutectic solvent. Journal of Chromatography A, 2017, 1530, 23-34.	3.7	57
6	A choline chloride-acrylic acid deep eutectic solvent polymer based on Fe3O4 particles and MoS2 sheets (poly(ChCl-AA DES)@Fe3O4@MoS2) with specific recognition and good antibacterial properties for Î²-lactoglobulin in milk. Talanta, 2019, 197, 567-577.	5.5	48
7	Emulsification liquidâ€"liquid microextraction based on deep eutectic solvents: an extraction method for the determination of sulfonamides in water samples. Analytical Methods, 2017, 9, 4747-4753.	2.7	36
8	Evaluating ternary deep eutectic solvents as novel media for extraction of flavonoids from Ginkgo biloba. Separation Science and Technology, 2017, 52, 91-99.	2.5	33
9	Comparison of hydrophilic and hydrophobic deep eutectic solvents for pretreatment determination of sulfonamides from aqueous environments. Analytical Methods, 2019, 11, 5901-5909.	2.7	33
10	Deep Eutectic Solvents Modified Molecular Imprinted Polymers for Optimized Purification of Chlorogenic Acid from Honeysuckle. Journal of Chromatographic Science, 2016, 54, bmv138.	1.4	31
11	Ultrasonic Extraction of Phenolic Compounds from Laminaria japonica Aresch Using Ionic Liquid as Extraction Solvent. Bulletin of the Korean Chemical Society, 2011, 32, 2212-2216.	1.9	31
12	Choline chloride-based deep eutectic solvents as additives for optimizing chromatographic behavior of caffeic acid. Korean Journal of Chemical Engineering, 2015, 32, 2103-2108.	2.7	30
13	Adsorption of carbon dioxide using polyethyleneimine modified silica gel. Korean Journal of Chemical Engineering, 2010, 27, 1910-1915.	2.7	27
14	Exploration of deep eutectic solvent-based molecularly imprinted polymers as solid-phase extraction sorbents for screening chloramphenicol in milk. Journal of Chromatographic Science, 2017, 55, 654-661.	1.4	27
15	Synthesis and characterization of deep eutectic solvents (five hydrophilic and three hydrophobic), and hydrophobic application for microextraction of environmental water samples. Analytical and Bioanalytical Chemistry, 2019, 411, 7489-7498.	3.7	26
16	Molecularly imprinted monolithic material for the extraction of three organic acids from Salicornia herbacea L. Journal of Applied Polymer Science, 2011, 121, 1691-1696.	2.6	24
17	Deep eutectic solvents for the purification of chloromycetin and thiamphenicol from milk. Journal of Separation Science, 2017, 40, 625-634.	2.5	24
18	Extraction and Determination of Î²-Sitosterol from Salicornia herbacea L. Using Monolithic Cartridge. Chromatographia, 2010, 71, 981-985.	1.3	21

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19	Optimization of the chromatographic behaviors of quercetin using choline chloride-based deep eutectic solvents as HPLC mobile-phase additives. Separation Science and Technology, 2018, 53, 397-403.	2.5	21
20	Preparation and characterization of novel poly(vinyl ester resin) monoliths. Microporous and Mesoporous Materials, 2008, 112, 351-356.	4.4	20
21	Optimal separation of phenol from model oils by forming deep eutectic solvents with quaternary ammonium salts. Korean Journal of Chemical Engineering, 2017, 34, 814-821.	2.7	20
22	Enhanced extraction of cleistanthol from Phyllanthus flexuosus by deep eutectic solvent-modified anion-exchange resin. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 882-888.	1.0	18
23	A new ionic liquidsâ€based monolithic column for determination of caffeine and theophylline. Journal of Applied Polymer Science, 2010, 118, 3425-3430.	2.6	17
24	Highly selective purification of ferulic acid from wheat bran using deep eutectic solvents modified magnetic nanoparticles. Separation Science and Technology, 2017, 52, 1022-1030.	2.5	17
25	Optimization of heteroatom doped graphene oxide by deep eutectic solvents and the application for pipetteâ€tip solidâ€phase extraction of flavonoids. Journal of Separation Science, 2019, 42, 2371-2378.	2.5	17
26	Recent advances of graphene-based sorptive materials in extraction: A review. TrAC - Trends in Analytical Chemistry, 2021, 142, 116319.	11.4	16
27	Isolation of Ferulic Acid from Wheat Bran with a Deep Eutectic Solvent and Modified Silica Gel. Analytical Letters, 2017, 50, 1926-1938.	1.8	15
28	Extraction and Determination of Cefazolin Sodium and Cefotaxime Sodium in Human Urine with a Weak Ion Exchange Monolithic Column. Journal of Liquid Chromatography and Related Technologies, 2009, 32, 1423-1433.	1.0	14
29	Molecularly imprinted polymers combination with deep eutectic solvents for solid-phase extraction of caffeic acid from hawthorn. Chinese Journal of Chromatography (Se Pu), 2015, 33, 792.	0.8	14
30	Sulfonated poly(styreneâ€divinylbenzene) modified with amines and the application for pipetteâ€tip solidâ€phase extraction of carbendazim in apples. Journal of Separation Science, 2017, 40, 3938-3945.	2.5	13
31	Various morphologies of hydrogen-substituted graphynes: The importance of reaction solvents. Journal of Molecular Liquids, 2019, 296, 111958.	4.9	13
32	A Weak Cation-Exchange Monolithic SPE Column for Extraction and Analysis of Caffeine and Theophylline in Human Urine. Chromatographia, 2009, 69, 1477-1480.	1.3	12
33	BOX-BEHNKEN DESIGN FOR OPTIMIZING EXTRACTION OF LUTEOLIN FROM CELERY LEAVES. Journal of Liquid Chromatography and Related Technologies, 2011, 34, 1036-1049.	1.0	11
34	Extraction of Astaxanthin from Shrimp Waste using Response Surface Methodology and a New Hybrid Organic-Inorganic Monolith. Separation Science and Technology, 2013, 48, 1510-1517.	2.5	11
35	Synthesis, Characteristics and Evaluation of a New Monolithic Silica Column Prepared from Copolymer Pluronic F127. Chromatographia, 2008, 68, 27-31.	1.3	10
36	Extraction and Determination of Quercetin and Myricetin from Chamaecyparis obtusa by Ionic Liquidsâ€based Monolithic Cartridge. Chinese Journal of Chemistry, 2011, 29, 1759-1763.	4.9	10

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37	Sorption of carbon dioxide by ionic liquidâ€based sorbents. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 86-92.	1.5	10
38	Synthesis and in vitro antiproliferative activity of novel benzisoselenazolone derivatives. Medicinal Chemistry Research, 2015, 24, 543-552.	2.4	10
39	Preparation of hybrid-monomer, double-template molecularly imprinted polymers for the purification of green tea extracts. Analytical Methods, 2017, 9, 6525-6533.	2.7	10
40	Dispersion solid-phase extraction of flavonoid with amphiphilic monomersN-vinyl pyrrolidone and 1H,1H,7H-dodecafluoroheptyl methacrylate based poly(styrene-divinylbenzene) and silica. Analytical Methods, 2018, 10, 4680-4688.	2.7	10
41	Silane Coupling Agents Modified Silica and Graphene Oxide Materials for Determination of Sulfamerazine and Sulfameter in Milk by HPLC. Food Analytical Methods, 2019, 12, 687-696.	2.6	10
42	Increasing the greenness of an organic acid through deep eutectic solvation and further polymerisation. Green Energy and Environment, 2022, 7, 840-853.	8.7	10
43	Preparation and Evaluation of Silica-Based Ionic Liquid-Modified Stationary Phase for HPLC. Journal of Chromatographic Science, 2010, 48, 690-693.	1.4	9
44	Preparation of amino-modified active carbon cartridges and their use in the extraction of quercetin from Oldenlandia diffusa. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 713-720.	2.8	9
45	Application of deep eutectic solvents modified oxidized Hydrogen-substituted graphyne in adsorption and electrochemistry. Journal of Molecular Liquids, 2021, 335, 116532.	4.9	9
46	Electron-withdrawing/donating groups (EWG/EDG) modified graphene oxide-oxidized-multiwalled carbon nanotubes and these performances in electrochemistry and adsorption. Journal of Electroanalytical Chemistry, 2021, 895, 115450.	3.8	9
47	The QRAR model study of Î²-lactam antibiotics by capillary coated with cell membrane. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 873, 1-7.	2.3	8
48	Solid-phase Extraction of Î² -Sitosterol from Oldenlandia diffusa Using Molecular Imprinting Polymer. Chinese Journal of Chemistry, 2011, 29, 1246-1250.	4.9	8
49	Evaluation of an alternative fluorinated chitosan as a QuEChERS adsorbent for pesticide residue analysis in apple samples. Analytical Methods, 2019, 11, 3460-3466.	2.7	8
50	Adsorption of carbon dioxide on ionic liquids-modified active carbons and amino-modified polymer. Korean Journal of Chemical Engineering, 2011, 28, 914-916.	2.7	7
51	MONOLITHIC MATERIALS AND THEIR APPLICATIONS IN HPLC FOR PURIFICATION AND ANALYSIS OF BIOACTIVE COMPOUNDS FROM NATURAL PLANTS: A REVIEW. Instrumentation Science and Technology, 2012, 40, 78-89.	1.8	7
52	Simultaneous Determination of Caffeine and Theophylline in Human Plasma with a Weak Cation Monolithic SPEâ€column. Chinese Journal of Chemistry, 2010, 28, 1463-1468.	4.9	6
53	Comparison of adsorption equilibrium of glycyrrhizic acid and liquiritin on C18 column. Journal of Industrial and Engineering Chemistry, 2010, 16, 929-934.	5.8	6
54	Cardanol-derived cationic surfactants enabling the superior antibacterial activity of single-walled carbon nanotubes. Nanotechnology, 2020, 31, 265603.	2.6	6

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55	Synthesis of florisil materials modified with aliphatic or aromatic groups and the application for pipetteâ€tip solidâ€phase extraction of rutin in orange peel. Journal of Separation Science, 2018, 41, 3716-3723.	2.5	5
56	Synthesis of poly (styrene-divinylbenzene) by nano-TiO2 and the application for pipette-tip solid-phase extraction of flavonoid in Epipremnum aureum rhizome. Separation Science and Technology, 2020, 55, 2294-2302.	2.5	5
57	Polyethyleneimineâ€modified porous aromatic framework and silane coupling agent grafted graphene oxide composite materials for determination of phenolic acids in Chinese Wolfberry drink by HPLC. Journal of Separation Science, 2020, 43, 774-781.	2.5	5
58	Efficient Adsorptive Separation and Determination of Phenolic Acids from Orange Peels Using Hyper-Crosslinked Polymer Based Zeolitic Imidazolate Framework-8 (ZIF-8) Composites. Analytical Letters, 2020, 53, 2636-2655.	1.8	5
59	Preparation of porous aromatic framework modified graphene oxide for pipetteâ€tip solidâ€phase extraction of theophylline in tea. Electrophoresis, 2019, 40, 2954-2961.	2.4	4
60	PURIFICATION OF LUTEOLIN AND APIGENIN FROM CELERY LEAVES USING HYBRID ORGANICâ€"INORGANIC MONOLITHIC CARTRIDGE. Journal of Liquid Chromatography and Related Technologies, 2014, 37, 1885-1894.	1.0	3
61	A novel acrylamide modified primary-secondary amine analogue as impurities remover for determination of carbendazim and dimethyl phthalate in apples. Korean Journal of Chemical Engineering, 2018, 35, 1741-1747.	2.7	3
62	Study on the effects of deep eutectic solvents as a reaction media on the micromorphology of hydrogen-substituted graphyne and its adsorption and electrochemical properties. Journal of Molecular Liquids, 2022, 349, 118177.	4.9	3
63	Purification of 4-hydroxybenzoic Acid and 4-hydroxybenzaldehyde fromLaminaria japonicaAresch Using Commercial and Monolithic Sorbent in SPE Cartridge. Analytical Letters, 2012, 45, 2359-2366.	1.8	2
64	Optimization and application of liquid chromatography determination of dispersive liquid-liquid microextraction purified astaxanthin in shrimp waste. Chemical Research in Chinese Universities, 2013, 29, 429-433.	2.6	2
65	Solid Phase Extraction of Three Organic Acids from Salicornia herbacea L. Using Amino Imidazolium Ionic Liquid-Based Cartridge. Asian Journal of Chemistry, 2013, 25, 3731-3734.	0.3	2
66	Ultrasonic-Assisted Extraction of Tanshinones from Korean Red Ginseng by Using Amino-Modified Monolithic Cartridge. Asian Journal of Chemistry, 2013, 25, 7765-7768.	0.3	2
67	Determination of Sulfamerazine in River Water Using Thermoresponsive Modified Silica for Solid-Phase Extraction with High-Performance Liquid Chromatography Detection. Analytical Letters, 2018, 51, 2684-2696.	1.8	2
68	Thermosensitive molecular imprinted polymer monolith for the selective recognition of quercetin. Separation Science and Technology, 2019, 54, 696-704.	2.5	2
69	1,3,5â€Triethynylbenzene and melamine as monomers to synthesize threeâ€dimensional network porous aromatic frameworks based silica/florisil for determination of carbendazim and thiabendazole in spinach. Journal of Separation Science, 2020, 43, 2842-2849.	2.5	2
70	Silane coupling agent assisting dopamine-functionalized biomass porous carbons for enhanced adsorption of organic acids: effects of acidâ€"alkali activation on microstructure. Carbon Letters, 2021, 31, 29-37.	5.9	2
71	Competitive adsorption of protocatechuic acid and caffeic acid on C18 particles. Korean Journal of Chemical Engineering, 2012, 29, 135-138.	2.7	1
72	Preparation of a hybrid organic-inorganic monolith for extraction and purification of quercetin and myricetin from Chamaecyparis obtusa. Chemical Research in Chinese Universities, 2014, 30, 216-221.	2.6	1

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73	Acrylamide-Modified 3-Aminopropyltriethoxysilanes Hybrid Monomer for Highly Selective Imprinting Recognition of Theophylline. Journal of Chromatographic Science, 2020, 58, 75-82.	1.4	1
74	An Anion Exchange Monolithic Cartridge for Extraction and Analysis of Oleanolic Acid from Oldenlandia diffusa. Asian Journal of Chemistry, 2013, 25, 3008-3010.	0.3	0