

Tao Zhu

List of Publications by Year in descending order

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74
papers

1,189
citations

361045

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454577

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all docs

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docs citations

74
times ranked

1311
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of crude polysaccharides extraction from <i>Hizikia fusiformis</i> using response surface methodology. <i>Carbohydrate Polymers</i> , 2010, 82, 106-110.	5.1	77
2	Preparation and applications of hybrid organic-inorganic monoliths: A review. <i>Journal of Separation Science</i> , 2012, 35, 1294-1302.	1.3	70
3	Preparation of hybrid molecularly imprinted polymer with double-templates for rapid simultaneous purification of theophylline and chlorogenic acid in green tea. <i>Talanta</i> , 2016, 152, 1-8.	2.9	64
4	Pipette-tip solid-phase extraction based on deep eutectic solvent modified graphene for the determination of sulfamerazine in river water. <i>Journal of Separation Science</i> , 2017, 40, 1887-1895.	1.3	57
5	Specific recognition of polyphenols by molecularly imprinted polymers based on a ternary deep eutectic solvent. <i>Journal of Chromatography A</i> , 2017, 1530, 23-34.	1.8	57
6	A choline chloride-acrylic acid deep eutectic solvent polymer based on Fe ₃ O ₄ particles and MoS ₂ sheets (poly(ChCl-AA DES)@Fe ₃ O ₄ @MoS ₂) with specific recognition and good antibacterial properties for β -lactoglobulin in milk. <i>Talanta</i> , 2019, 197, 567-577.	2.9	48
7	Emulsification liquid-liquid microextraction based on deep eutectic solvents: an extraction method for the determination of sulfonamides in water samples. <i>Analytical Methods</i> , 2017, 9, 4747-4753.	1.3	36
8	Evaluating ternary deep eutectic solvents as novel media for extraction of flavonoids from <i>Ginkgo biloba</i> . <i>Separation Science and Technology</i> , 2017, 52, 91-99.	1.3	33
9	Comparison of hydrophilic and hydrophobic deep eutectic solvents for pretreatment determination of sulfonamides from aqueous environments. <i>Analytical Methods</i> , 2019, 11, 5901-5909.	1.3	33
10	Deep Eutectic Solvents Modified Molecular Imprinted Polymers for Optimized Purification of Chlorogenic Acid from Honeysuckle. <i>Journal of Chromatographic Science</i> , 2016, 54, bmv138.	0.7	31
11	Ultrasonic Extraction of Phenolic Compounds from <i>Laminaria japonica</i> Aresch Using Ionic Liquid as Extraction Solvent. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 2212-2216.	1.0	31
12	Choline chloride-based deep eutectic solvents as additives for optimizing chromatographic behavior of caffeic acid. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 2103-2108.	1.2	30
13	Adsorption of carbon dioxide using polyethyleneimine modified silica gel. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1910-1915.	1.2	27
14	Exploration of deep eutectic solvent-based molecularly imprinted polymers as solid-phase extraction sorbents for screening chloramphenicol in milk. <i>Journal of Chromatographic Science</i> , 2017, 55, 654-661.	0.7	27
15	Synthesis and characterization of deep eutectic solvents (five hydrophilic and three hydrophobic), and hydrophobic application for microextraction of environmental water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7489-7498.	1.9	26
16	Molecularly imprinted monolithic material for the extraction of three organic acids from <i>Salicornia herbacea</i> L. <i>Journal of Applied Polymer Science</i> , 2011, 121, 1691-1696.	1.3	24
17	Deep eutectic solvents for the purification of chloromycetin and thiamphenicol from milk. <i>Journal of Separation Science</i> , 2017, 40, 625-634.	1.3	24
18	Extraction and Determination of β -Sitosterol from <i>Salicornia herbacea</i> L. Using Monolithic Cartridge. <i>Chromatographia</i> , 2010, 71, 981-985.	0.7	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. <i>Separation Science and Technology</i> , 2018, 53, 397-403.	1.3	21
20	Preparation and characterization of novel poly(vinyl ester resin) monoliths. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 351-356.	2.2	20
21	Optimal separation of phenol from model oils by forming deep eutectic solvents with quaternary ammonium salts. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 814-821.	1.2	20
22	Enhanced extraction of cleistanthol from <i>Phyllanthus flexuosus</i> by deep eutectic solvent-modified anion-exchange resin. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 882-888.	0.5	18
23	A new ionic liquids-based monolithic column for determination of caffeine and theophylline. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3425-3430.	1.3	17
24	Highly selective purification of ferulic acid from wheat bran using deep eutectic solvents modified magnetic nanoparticles. <i>Separation Science and Technology</i> , 2017, 52, 1022-1030.	1.3	17
25	Optimization of heteroatom doped graphene oxide by deep eutectic solvents and the application for pipette-tip solid-phase extraction of flavonoids. <i>Journal of Separation Science</i> , 2019, 42, 2371-2378.	1.3	17
26	Recent advances of graphene-based sorptive materials in extraction: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 142, 116319.	5.8	16
27	Isolation of Ferulic Acid from Wheat Bran with a Deep Eutectic Solvent and Modified Silica Gel. <i>Analytical Letters</i> , 2017, 50, 1926-1938.	1.0	15
28	Extraction and Determination of Cefazolin Sodium and Cefotaxime Sodium in Human Urine with a Weak Ion Exchange Monolithic Column. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 1423-1433.	0.5	14
29	Molecularly imprinted polymers combination with deep eutectic solvents for solid-phase extraction of caffeic acid from hawthorn. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2015, 33, 792.	0.1	14
30	Sulfonated poly(styrene-co-divinylbenzene) modified with amines and the application for pipette-tip solid-phase extraction of carbendazim in apples. <i>Journal of Separation Science</i> , 2017, 40, 3938-3945.	1.3	13
31	Various morphologies of hydrogen-substituted graphynes: The importance of reaction solvents. <i>Journal of Molecular Liquids</i> , 2019, 296, 111958.	2.3	13
32	A Weak Cation-Exchange Monolithic SPE Column for Extraction and Analysis of Caffeine and Theophylline in Human Urine. <i>Chromatographia</i> , 2009, 69, 1477-1480.	0.7	12
33	BOX-BEHNKEN DESIGN FOR OPTIMIZING EXTRACTION OF LUTEOLIN FROM CELERY LEAVES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 1036-1049.	0.5	11
34	Extraction of Astaxanthin from Shrimp Waste using Response Surface Methodology and a New Hybrid Organic-Inorganic Monolith. <i>Separation Science and Technology</i> , 2013, 48, 1510-1517.	1.3	11
35	Synthesis, Characteristics and Evaluation of a New Monolithic Silica Column Prepared from Copolymer Pluronic F127. <i>Chromatographia</i> , 2008, 68, 27-31.	0.7	10
36	Extraction and Determination of Quercetin and Myricetin from <i>Chamaecyparis obtusa</i> by Ionic Liquids-based Monolithic Cartridge. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1759-1763.	2.6	10

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37	Sorption of carbon dioxide by ionic liquid-based sorbents. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 86-92.	0.8	10
38	Synthesis and in vitro antiproliferative activity of novel benzoselenazolone derivatives. <i>Medicinal Chemistry Research</i> , 2015, 24, 543-552.	1.1	10
39	Preparation of hybrid-monomer, double-template molecularly imprinted polymers for the purification of green tea extracts. <i>Analytical Methods</i> , 2017, 9, 6525-6533.	1.3	10
40	Dispersion solid-phase extraction of flavonoid with amphiphilic monomers <i>N</i> -vinyl pyrrolidone and 1-hydroxy-7-dodecafluoroheptyl methacrylate based poly(styrene-divinylbenzene) and silica. <i>Analytical Methods</i> , 2018, 10, 4680-4688.	1.3	10
41	Silane Coupling Agents Modified Silica and Graphene Oxide Materials for Determination of Sulfamerazine and Sulfameter in Milk by HPLC. <i>Food Analytical Methods</i> , 2019, 12, 687-696.	1.3	10
42	Increasing the greenness of an organic acid through deep eutectic solvation and further polymerisation. <i>Green Energy and Environment</i> , 2022, 7, 840-853.	4.7	10
43	Preparation and Evaluation of Silica-Based Ionic Liquid-Modified Stationary Phase for HPLC. <i>Journal of Chromatographic Science</i> , 2010, 48, 690-693.	0.7	9
44	Preparation of amino-modified active carbon cartridges and their use in the extraction of quercetin from <i>Oldenlandia diffusa</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 713-720.	1.4	9
45	Application of deep eutectic solvents modified oxidized Hydrogen-substituted graphyne in adsorption and electrochemistry. <i>Journal of Molecular Liquids</i> , 2021, 335, 116532.	2.3	9
46	Electron-withdrawing/donating groups (EWG/EDG) modified graphene oxide-oxidized-multiwalled carbon nanotubes and these performances in electrochemistry and adsorption. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115450.	1.9	9
47	The QRAR model study of β -lactam antibiotics by capillary coated with cell membrane. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 873, 1-7.	1.2	8
48	Solid-phase Extraction of β -Sitosterol from <i>Oldenlandia diffusa</i> Using Molecular Imprinting Polymer. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1246-1250.	2.6	8
49	Evaluation of an alternative fluorinated chitosan as a QuEChERS adsorbent for pesticide residue analysis in apple samples. <i>Analytical Methods</i> , 2019, 11, 3460-3466.	1.3	8
50	Adsorption of carbon dioxide on ionic liquids-modified active carbons and amino-modified polymer. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 914-916.	1.2	7
51	MONOLITHIC MATERIALS AND THEIR APPLICATIONS IN HPLC FOR PURIFICATION AND ANALYSIS OF BIOACTIVE COMPOUNDS FROM NATURAL PLANTS: A REVIEW. <i>Instrumentation Science and Technology</i> , 2012, 40, 78-89.	0.9	7
52	Simultaneous Determination of Caffeine and Theophylline in Human Plasma with a Weak Cation Monolithic SPE-column. <i>Chinese Journal of Chemistry</i> , 2010, 28, 1463-1468.	2.6	6
53	Comparison of adsorption equilibrium of glycyrrhizic acid and liquiritin on C18 column. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 929-934.	2.9	6
54	Cardanol-derived cationic surfactants enabling the superior antibacterial activity of single-walled carbon nanotubes. <i>Nanotechnology</i> , 2020, 31, 265603.	1.3	6

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55	Synthesis of florisorb materials modified with aliphatic or aromatic groups and the application for pipette-tip solid-phase extraction of rutin in orange peel. <i>Journal of Separation Science</i> , 2018, 41, 3716-3723.	1.3	5
56	Synthesis of poly (styrene-divinylbenzene) by nano-TiO ₂ and the application for pipette-tip solid-phase extraction of flavonoid in <i>Epipremnum aureum</i> rhizome. <i>Separation Science and Technology</i> , 2020, 55, 2294-2302.	1.3	5
57	Polyethyleneimine-modified porous aromatic framework and silane coupling agent grafted graphene oxide composite materials for determination of phenolic acids in Chinese Wolfberry drink by HPLC. <i>Journal of Separation Science</i> , 2020, 43, 774-781.	1.3	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. <i>Analytical Letters</i> , 2020, 53, 2636-2655.	1.0	5
59	Preparation of porous aromatic framework modified graphene oxide for pipette-tip solid-phase extraction of theophylline in tea. <i>Electrophoresis</i> , 2019, 40, 2954-2961.	1.3	4
60	PURIFICATION OF LUTEOLIN AND APIGENIN FROM CELERY LEAVES USING HYBRID ORGANIC-INORGANIC MONOLITHIC CARTRIDGE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 1885-1894.	0.5	3
61	A novel acrylamide modified primary-secondary amine analogue as impurities remover for determination of carbendazim and dimethyl phthalate in apples. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1741-1747.	1.2	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. <i>Journal of Molecular Liquids</i> , 2022, 349, 118177.	2.3	3
63	Purification of 4-hydroxybenzoic Acid and 4-hydroxybenzaldehyde from <i>Laminaria japonica</i> Aresch Using Commercial and Monolithic Sorbent in SPE Cartridge. <i>Analytical Letters</i> , 2012, 45, 2359-2366.	1.0	2
64	Optimization and application of liquid chromatography determination of dispersive liquid-liquid microextraction purified astaxanthin in shrimp waste. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 429-433.	1.3	2
65	Solid Phase Extraction of Three Organic Acids from <i>Salicornia herbacea</i> L. Using Amino Imidazolium Ionic Liquid-Based Cartridge. <i>Asian Journal of Chemistry</i> , 2013, 25, 3731-3734.	0.1	2
66	Ultrasonic-Assisted Extraction of Tanshinones from Korean Red Ginseng by Using Amino-Modified Monolithic Cartridge. <i>Asian Journal of Chemistry</i> , 2013, 25, 7765-7768.	0.1	2
67	Determination of Sulfamerazine in River Water Using Thermoresponsive Modified Silica for Solid-Phase Extraction with High-Performance Liquid Chromatography Detection. <i>Analytical Letters</i> , 2018, 51, 2684-2696.	1.0	2
68	Thermosensitive molecular imprinted polymer monolith for the selective recognition of quercetin. <i>Separation Science and Technology</i> , 2019, 54, 696-704.	1.3	2
69	1,3,5-Triethynylbenzene and melamine as monomers to synthesize three-dimensional network porous aromatic frameworks based silica/florisil for determination of carbendazim and thiabendazole in spinach. <i>Journal of Separation Science</i> , 2020, 43, 2842-2849.	1.3	2
70	Silane coupling agent assisting dopamine-functionalized biomass porous carbons for enhanced adsorption of organic acids: effects of acid-alkali activation on microstructure. <i>Carbon Letters</i> , 2021, 31, 29-37.	3.3	2
71	Competitive adsorption of protocatechuic acid and caffeic acid on C18 particles. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 135-138.	1.2	1
72	Preparation of a hybrid organic-inorganic monolith for extraction and purification of quercetin and myricetin from <i>Chamaecyparis obtusa</i> . <i>Chemical Research in Chinese Universities</i> , 2014, 30, 216-221.	1.3	1

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73	Acrylamide-Modified 3-Aminopropyltriethoxysilanes Hybrid Monomer for Highly Selective Imprinting Recognition of Theophylline. <i>Journal of Chromatographic Science</i> , 2020, 58, 75-82.	0.7	1
74	An Anion Exchange Monolithic Cartridge for Extraction and Analysis of Oleanolic Acid from <i>Oldenlandia diffusa</i> . <i>Asian Journal of Chemistry</i> , 2013, 25, 3008-3010.	0.1	0