

Wentao Bi

List of Publications by Year in descending order

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78
papers

2,804
citations

147566
31
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182168
51
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docs citations

78
times ranked

2810
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption behavior of anthraquinones in deep eutectic solvent on polyester fiber and its application. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 27, 100680.	1.6	2
2	Direct carboxylation of cellulose in deep eutectic solvent and its adsorption behavior of methylene blue. <i>Carbohydrate Polymer Technologies and Applications</i> , 2022, 4, 100222.	1.6	4
3	Supported Ionic Liquids. , 2021, , 1-13.		0
4	Recent applications of graphene and graphene-based materials as sorbents in trace analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 137, 116212.	5.8	35
5	Molecular Property-Tailored Soy Protein Extraction Process Using a Deep Eutectic Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10083-10092.	3.2	35
6	Extraction of Natural Products by Direct Formation of Eutectic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12049-12057.	3.2	12
7	Sorbent and solvent co-enhanced direct analysis in real time-mass spectrometry for high-throughput determination of trace pollutants in water. <i>Talanta</i> , 2020, 208, 120378.	2.9	15
8	Investigation of Deep Eutectic Solvent-Based Microwave-Assisted Extraction and Efficient Recovery of Natural Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12080-12088.	3.2	40
9	Insight into the Deep Eutectic Solvent Extraction Mechanism of Flavonoids from Natural Plant. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 19169-19177.	3.2	44
10	Dispersive Magnetic Solid-Phase Extraction Coupled to Direct Analysis in Real Time Mass Spectrometry for High-Throughput Analysis of Trace Environmental Contaminants. <i>Analytical Chemistry</i> , 2019, 91, 11240-11246.	3.2	34
11	Recovery of Natural Products from Deep Eutectic Solvents by Mimicking Denaturation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9976-9983.	3.2	34
12	Solvent-free high-throughput analysis of herbicides in environmental water. <i>Analytica Chimica Acta</i> , 2019, 1071, 8-16.	2.6	20
13	Magnetic nanoparticles speed up mechanochemical solid phase extraction with enhanced enrichment capability for organochlorines in plants. <i>Analytica Chimica Acta</i> , 2019, 1066, 49-57.	2.6	31
14	Direct Analysis in Real Time Mass Spectrometry for Characterization of Large Saccharides. <i>Analytical Chemistry</i> , 2018, 90, 3628-3636.	3.2	23
15	High-Throughput Analysis for Artemisinins with Deep Eutectic Solvents Mechanochemical Extraction and Direct Analysis in Real Time Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 3109-3117.	3.2	52
16	Characterization of plant polysaccharides from <i>Dendrobium officinale</i> by multiple chromatographic and mass spectrometric techniques. <i>Journal of Chromatography A</i> , 2018, 1547, 29-36.	1.8	40
17	Extraction of trace polychlorinated biphenyls in environmental waters by well-dispersed velvet-like magnetic carbon nitride nanocomposites. <i>Journal of Chromatography A</i> , 2017, 1491, 27-35.	1.8	37
18	Co-solvent enhanced adsorption with magnetic velvet-like carbon nitride for high efficiency solid phase extraction. <i>Analytica Chimica Acta</i> , 2017, 960, 63-71.	2.6	19

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19	Ecofriendly Mechanochemical Extraction of Bioactive Compounds from Plants with Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6297-6303.	3.2	75
20	High throughput screening of phenoxy carboxylic acids with dispersive solid phase extraction followed by direct analysis in real time mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 996, 20-28.	2.6	30
21	Fast environment-friendly ball mill-assisted deep eutectic solvent-based extraction of natural products. <i>Journal of Chromatography A</i> , 2016, 1443, 262-266.	1.8	83
22	Separation and concentration of natural products by fast forced adsorption using well-dispersed velvet-like graphitic carbon nitride with response surface methodology optimisation. <i>Talanta</i> , 2016, 154, 119-126.	2.9	27
23	Ball mill assisted rapid mechanochemical extraction method for natural products from plants. <i>Journal of Chromatography A</i> , 2016, 1449, 8-16.	1.8	30
24	Synthesis of Fe ₃ O ₄ /g-C ₃ N ₄ nanocomposites and their application in the photodegradation of 2,4,6-trichlorophenol under visible light. <i>Materials Letters</i> , 2016, 164, 183-189.	1.3	60
25	Exploration of Mesoporous Siliceous Particle-Based High-Performance Size Exclusion Chromatography for the Quantitation of Biomacromolecular Polysaccharides. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 774-780.	0.5	2
26	A Taiji-principle-designed magnetic porous C-doped graphitic carbon nitride for environment-friendly solid phase extraction of pollutants from water samples. <i>Journal of Chromatography A</i> , 2015, 1412, 12-21.	1.8	33
27	Application of magnetic graphitic carbon nitride nanocomposites for the solid-phase extraction of phthalate esters in water samples. <i>Journal of Separation Science</i> , 2015, 38, 445-452.	1.3	50
28	Synthesis of a graphitic carbon nitride nanocomposite with magnetite as a sorbent for solid phase extraction of phenolic acids. <i>Mikrochimica Acta</i> , 2015, 182, 737-744.	2.5	42
29	Synthesis of g-C ₃ N ₄ /Fe ₃ O ₄ nanocomposites and application as a new sorbent for solid phase extraction of polycyclic aromatic hydrocarbons in water samples. <i>Talanta</i> , 2015, 132, 922-928.	2.9	127
30	Separation of Three Flavones from <i>Chamaecyparis obtusa</i> Using Functionalized Hollow Microsphere Polymers. <i>Asian Journal of Chemistry</i> , 2014, 26, 6073-6076.	0.1	2
31	Facile synthesis of poly(ionic liquid)-bonded magnetic nanospheres as a high-performance sorbent for the pretreatment and determination of phenolic compounds in water samples. <i>Journal of Separation Science</i> , 2014, 37, 1632-1639.	1.3	26
32	Deep Eutectic Solvent-Based HS-SME Coupled with GC for the Analysis of Bioactive Terpenoids in <i>Chamaecyparis obtusa</i> Leaves. <i>Chromatographia</i> , 2014, 77, 373-377.	0.7	84
33	Polyhydroxy glucose functionalized silica for the dehydration of bio-ethanol distillate. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1417-1425.	1.7	2
34	Multiphase Extraction of Glyceraphanin from Broccoli Using Aminium Ionic Liquid-based Silica. <i>Phytochemical Analysis</i> , 2013, 24, 81-86.	1.2	10
35	Application of anion-exchange imidazolium silica for the multiphase dispersive extraction of phenolic acids. <i>Journal of Separation Science</i> , 2013, 36, 2621-2628.	1.3	10
36	Combined Application of Ionic Liquid and Hybrid Poly (Ionic Liquid)-Bonded Silica: An Alternative Method for Extraction, Separation and Determination of Flavonoids from Plants. <i>Analytical Letters</i> , 2013, 46, 416-428.	1.0	3

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37	Dehydration of Ethanol by Facile Synthesized Glucose-Based Silica. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1056-1068.	1.4	7
38	Using poly([1-vinyl-3-hexylimidazolium] [bis(trifluoromethylsulfonyl)imide]) to adsorb bio-ethanol from a <i>Chamaecyparis obtusa</i> leaves fermentation broth. <i>Bioresource Technology</i> , 2013, 137, 25-32.	4.8	10
39	Evaluation of molecularly imprinted anion-functionalized poly(ionic liquid)s by multi-phase dispersive extraction of flavonoids from plant. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 913-914, 61-68.	1.2	19
40	Evaluation of alcohol-based deep eutectic solvent in extraction and determination of flavonoids with response surface methodology optimization. <i>Journal of Chromatography A</i> , 2013, 1285, 22-30.	1.8	361
41	Ionic Liquid-Based Dispersive Extraction and Separation of Phenolic Acids from <i>Salicornia Herbacea</i> L.. <i>Analytical Letters</i> , 2013, 46, 2223-2234.	1.0	3
42	Adsorption of alcohol from water by poly(ionic liquid)s. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 651-658.	1.7	11
43	ULTRASONIC-ASSISTED ENZYMATIC IONIC LIQUID-BASED EXTRACTION AND SEPARATION OF FLAVONOIDS FROM <i>CHAMAECYPARIS OBTUSA</i> . <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 2029-2043.	0.5	6
44	Adsorption of Flavones from <i>Chamaecyparis obtusa</i> by Ionic Liquid-Immobilized Polymers. <i>Asian Journal of Chemistry</i> , 2013, 25, 7257-7262.	0.1	1
45	Production of Bioethanol with Simultaneous Extraction of Flavonoids from <i>Chamaecyparis obtusa</i> . <i>Asian Journal of Chemistry</i> , 2013, 25, 4039-4042.	0.1	0
46	SOLID PHASE EXTRACTION OF THREE PHENOLIC ACIDS FROM <i>SALICORNIA HERBACEA</i> L. BY DIFFERENT IONIC LIQUID-BASED SILICAS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 723-736.	0.5	14
47	Preparation and Application of Ionic Liquid-Modified Stationary Phases in High Performance Liquid Chromatography. <i>Separation Science and Technology</i> , 2012, 47, 360-369.	1.3	18
48	Facile synthesis and application of poly(ionic liquid)-bonded silica hybrid materials. <i>Analyst</i> , The, 2012, 137, 2017.	1.7	19
49	Selective extraction and separation of oxymatrine from <i>Sophora flavescens</i> Ait. extract by silica-confined ionic liquid. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 880, 108-113.	1.2	44
50	Application of ionic liquid for extraction and separation of bioactive compounds from plants. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 904, 1-21.	1.2	199
51	Eco-friendly separation of catechins using cyclodextrins as mobile phase additives in RP-HPLC. <i>Phytochemical Analysis</i> , 2012, 23, 308-314.	1.2	6
52	Simultaneous Extraction and Separation of Flavonols and Flavones from <i>Chamaecyparis obtusa</i> by Multi-phase Extraction using an Ionic Liquid-modified Microsphere Polymer. <i>Phytochemical Analysis</i> , 2012, 23, 576-581.	1.2	10
53	Separation of phenolic acids from natural plant extracts using molecularly imprinted anion-exchange polymer confined ionic liquids. <i>Journal of Chromatography A</i> , 2012, 1232, 37-42.	1.8	87
54	Simultaneous extraction and purification of myricetin from <i>Chamaecyparis obtusa</i> by multi-phase extraction with ionic liquid-modified mesoporous MCM-41. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 165-169.	1.6	7

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55	Sorption of carbon dioxide by ionic liquid-based sorbents. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 86-92.	0.8	10
56	Solid phase extraction of lactic acid from fermentation broth by anion-exchangeable silica confined ionic liquids. <i>Talanta</i> , 2011, 83, 974-979.	2.9	57
57	Ultrasonication-assisted extraction and preconcentration of medicinal products from herb by ionic liquids. <i>Talanta</i> , 2011, 85, 701-706.	2.9	45
58	Chiral separation and determination of ofloxacin enantiomers by ionic liquid-assisted ligand-exchange chromatography. <i>Analyst</i> , The, 2011, 136, 379-387.	1.7	71
59	Optimization and Development of a SPE-HPLC-UV Method to Determine Astaxanthin in <i>Saccharina japonica</i> . <i>Journal of Food Science</i> , 2011, 76, C441-6.	1.5	8
60	Molecular imprinting in ionic liquid-modified porous polymer for recognitive separation of three tanshinones from <i>Salvia miltiorrhiza</i> Bunge. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2495-2502.	1.9	61
61	Decaffeination of coffee bean waste by solid-liquid extraction. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 221-224.	1.2	13
62	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
63	Extraction and separation of D/L-lactic acid in simulated fermentation broth. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1608-1612.	1.2	10
64	Separation of monosaccharides by solid-phase extraction with ionic liquid-modified microporous polymers. <i>Journal of Separation Science</i> , 2011, 34, 3151-3157.	1.3	13
65	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
66	Purification of lactic acid from fermentation broth by spherical anion exchange polymer. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2673-2677.	1.3	8
67	Extraction and concentration of tanshinones in <i>Salvia miltiorrhiza</i> Bunge by task-specific non-ionic surfactant assistance. <i>Food Chemistry</i> , 2011, 126, 1985-1990.	4.2	35
68	Comparison of Different Silica-Based Imidazolium Stationary Phases for LC in Separation of Alkaloids. <i>Chromatographia</i> , 2010, 71, 25-30.	0.7	38
69	Separation of xylose and glucose on different silica-confined ionic liquid stationary phases. <i>Analytica Chimica Acta</i> , 2010, 677, 162-168.	2.6	57
70	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
71	Solid-phase extraction of matrine and oxymatrine from <i>Sophora Flavescens</i> Ait using amino-imidazolium polymer. <i>Journal of Separation Science</i> , 2010, 33, 1739-1745.	1.3	42
72	Task-specific ionic liquid-assisted extraction and separation of astaxanthin from shrimp waste. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2243-2248.	1.2	77

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73	Solid-phase extraction of liquiritin and glycyrrhizin from licorice using porous alkylpyridinium polymer sorbent. <i>Phytochemical Analysis</i> , 2010, 21, 496-501.	1.2	24
74	NOVEL BI-FUNCTIONAL AMINO-IMIDAZOLIUM SILICA CONFINED STATIONARY PHASE FOR LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1459-1475.	0.5	10
75	Solid-phase extraction of liquiritin and glycyrrhizic acid from licorice using ionic liquid-based silica sorbent. <i>Journal of Separation Science</i> , 2009, 32, 4033-4039.	1.3	55
76	Application of Ionic Liquids in High Performance Reversed-Phase Chromatography. <i>International Journal of Molecular Sciences</i> , 2009, 10, 2591-2610.	1.8	94
77	Synthesis and application of bimetallic chiral [Co(salen)]-type complexes: a new catalytic approach to synthesis of optically pure β -blockers via kinetic resolution of epichlorohydrin. <i>Applied Organometallic Chemistry</i> , 2008, 22, 583-591.	1.7	27
78	Asymmetric Ring Opening of Epoxides Catalyzed by Novel Heterobimetallic Schiff-Bases Containing Transition Metal Salts. <i>Bulletin of the Korean Chemical Society</i> , 2008, 29, 313-318.	1.0	20