

Shun Yao

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112
papers

977
citations

16
h-index

24
g-index

123
ext. papers

1,246
ext. citations

3.9
avg, IF

4.92
L-index

#	Paper	IF	Citations
112	Magnetic ionic liquid aqueous two-phase system coupled with high performance liquid chromatography: A rapid approach for determination of chloramphenicol in water environment. <i>Journal of Chromatography A</i> , 2017 , 1481, 12-22	4.5	43
111	A resolution approach of racemic phenylalanine with aqueous two-phase systems of chiral tropine ionic liquids. <i>Journal of Chromatography A</i> , 2015 , 1418, 150-157	4.5	42
110	Preparative isolation and purification of anthocyanins from purple sweet potato by high-speed counter-current chromatography. <i>Journal of Separation Science</i> , 2009 , 32, 2146-51	3.4	42
109	Natural anthocyanins from phytoresources and their chemical researches. <i>Natural Product Research</i> , 2013 , 27, 456-69	2.3	38
108	Ionic liquid-modified silica gel as adsorbents for adsorption and separation of water-soluble phenolic acids from <i>Salvia miltiorrhiza</i> Bunge. <i>Separation and Purification Technology</i> , 2015 , 155, 2-12	8.3	30
107	Recent developments in the catalytic conversion of cellulose. <i>Biotechnology and Biotechnological Equipment</i> , 2014 , 28, 981-988	1.6	30
106	Magnetic targeted nanoparticles based on β -cyclodextrin and chitosan for hydrophobic drug delivery and a study of their mechanism. <i>RSC Advances</i> , 2017 , 7, 29025-29034	3.7	29
105	Deep Extraction Desulfurization with a Novel Guanidinium-Based Strong Magnetic Room-Temperature Ionic Liquid. <i>Energy & Fuels</i> , 2016 , 30, 4740-4749	4.1	28
104	Bionic multi-tentacled ionic liquid-modified silica gel for adsorption and separation of polyphenols from green tea (<i>Camellia sinensis</i>) leaves. <i>Food Chemistry</i> , 2017 , 230, 637-648	8.5	26
103	Immobilized chiral tropine ionic liquid on silica gel as adsorbent for separation of metal ions and racemic amino acids. <i>Journal of Chromatography A</i> , 2016 , 1429, 127-33	4.5	23
102	Determination and comparison of flavonoids and anthocyanins in Chinese sugarcane tips, stems, roots and leaves. <i>Journal of Separation Science</i> , 2010 , 33, 1216-23	3.4	23
101	Extraction of bioactive ginseng saponins using aqueous two-phase systems of ionic liquids and salts. <i>Separation and Purification Technology</i> , 2018 , 196, 270-280	8.3	22
100	Synthesis and characterization of novel hexafluorophosphate salts with tropine-type cations. <i>Journal of Molecular Liquids</i> , 2015 , 209, 648-656	6	20
99	Synthesis, magnetism, aqueous-two phase formation and physical properties of novel guanidinium-based magnetic ionic liquids. <i>RSC Advances</i> , 2016 , 6, 52898-52904	3.7	19
98	Hexafluorophosphate salts with tropine-type cations in the extraction of alkaloids with the same nucleus from radix <i>physoclainae</i> . <i>RSC Advances</i> , 2018 , 8, 262-277	3.7	18
97	Quantitative analysis and recovery optimisation of flavonoids and anthocyanins in sugar-making process of sugarcane industry. <i>Food Chemistry</i> , 2011 , 125, 150-157	8.5	17
96	Measurement and correlation of phase equilibria in aqueous two-phase systems containing functionalized magnetic ionic liquids and $K_2HPO_4/K_2CO_3/Na_2CO_3$ at 298.15 K. <i>Journal of Molecular Liquids</i> , 2017 , 231, 411-418	6	15

95	Bioactivity-Guided Screening of Wound-Healing Active Constituents from American Cockroach (<i>Periplaneta americana</i>). <i>Molecules</i> , 2018 , 23,	4.8	15
94	Adsorption of bromophenol blue from aqueous samples by novel supported ionic liquids. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 230-238	3.5	15
93	Isobaric Vapor-Liquid Equilibria for the Binary and Ternary Systems of 2-Methyl-1-butanol, 2-Methyl-butanol Acetate, and Dimethylformamide (DMF) at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1156-1160	2.8	15
92	Ionic liquid-multi walled carbon nanotubes composite tablet for continuous adsorption of tetracyclines and heavy metals. <i>Journal of Cleaner Production</i> , 2021 , 286, 124937	10.3	15
91	Extraction in cholinium-based magnetic ionic liquid aqueous two-phase system for the determination of berberine hydrochloride in .. <i>RSC Advances</i> , 2018 , 8, 25201-25209	3.7	14
90	Determination and correlation of the solubility of four Brønsted-acidic ionic liquids based on benzothiazolium cations in six alcohols. <i>Journal of Chemical Thermodynamics</i> , 2014 , 72, 48-53	2.9	14
89	A new and recyclable system based on tropin ionic liquids for resolution of several racemic amino acids. <i>Analytica Chimica Acta</i> , 2017 , 960, 81-89	6.6	12
88	Recovery of benzothiazolium ionic liquids from the coexisting glucose by ion-exchange resins. <i>Journal of Molecular Liquids</i> , 2017 , 227, 178-183	6	12
87	Sequential extraction and separation using ionic liquids for stilbene glycoside and anthraquinones in <i>Polygonum multiflorum</i> . <i>Journal of Molecular Liquids</i> , 2017 , 241, 27-36	6	11
86	Recent advances in the enantioseparation promoted by ionic liquids and their resolution mechanisms. <i>Journal of Chromatography A</i> , 2020 , 1626, 461384	4.5	11
85	Acidic ionic liquid modified silica gel for adsorption and separation of bovine serum albumin (BSA). <i>RSC Advances</i> , 2016 , 6, 107452-107462	3.7	11
84	On-line UV-NIR spectroscopy as a process analytical technology (PAT) tool for on-line and real-time monitoring of the extraction process of <i>Coptis Rhizome</i> . <i>RSC Advances</i> , 2016 , 6, 10078-10085	3.7	11
83	Antioxidant and anticancer effect of the volatile oil from various habitats of <i>Selaginella doederleinii</i> Hieron. <i>Technology and Health Care</i> , 2015 , 23 Suppl 1, S21-7	1.1	11
82	Ionic Liquid-Like Pharmaceutical Ingredients and Applications of Ionic Liquids in Medicinal Chemistry: Development, Status and Prospects. <i>Current Medicinal Chemistry</i> , 2019 , 26, 5947-5967	4.3	11
81	Synthesis, Purification and Recycling of Ionic Liquid. <i>Mini-Reviews in Organic Chemistry</i> , 2015 , 12, 435-448	4.7	11
80	Synthesis and physicochemical properties of new tropine-based chiral dication ionic liquids. <i>Journal of Molecular Liquids</i> , 2017 , 225, 217-223	6	10
79	Measurement and correlation of phase equilibria in aqueous two-phase systems containing functionalized magnetic ionic liquids and potassium phosphate at different temperatures. <i>Journal of Molecular Liquids</i> , 2018 , 263, 72-80	6	10
78	Bioactivity-guided systematic extraction and purification supported by multitechniques for sugarcane flavonoids and anthocyanins. <i>Food and Bioproducts Processing</i> , 2015 , 94, 547-554	4.9	10

77	Rapid removal of Cr(VI) ions from aqueous solutions by the macroporous poly(N, N'-dimethylamino ethyl methacrylate) hydrogels. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 2729-2735	2.9	10
76	Preconcentration of tropane alkaloids by a metal organic framework (MOF)-immobilized ionic liquid with the same nucleus for their quantitation in Huashanshen tablets. <i>Analyst, The</i> , 2019 , 144, 6989-7000 ⁵		10
75	A new strategy for the construction of β -cyclodextrin-based magnetic nanocarriers: a molecular docking technique. <i>New Journal of Chemistry</i> , 2019 , 43, 4282-4290	3.6	9
74	Systematic investigation for extraction and separation of polyphenols in tea leaves by magnetic ionic liquids. <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 4550-4560	4.3	9
73	Vapor-Liquid Equilibria for the Ternary System Acetonitrile + 1-Propanol + Dimethyl Sulfoxide and the Corresponding Binary Systems at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5271-5275	2.8	9
72	Extraction and quantitative analysis of tropane alkaloids in <i>Radix physochlainae</i> by emulsion liquid membrane with tropine-based ionic liquid. <i>Journal of Chromatography A</i> , 2019 , 1583, 9-18	4.5	9
71	A Novel Amperometric Glucose Biosensor Based on Fe ₃ O ₄ -Chitosan- β -Cyclodextrin/MWCNTs Nanobiocomposite. <i>Electroanalysis</i> , 2021 , 33, 723-732	3	9
70	Prediction of electric conductivity for ionic liquids by two chemometrics methods. <i>Journal of the Serbian Chemical Society</i> , 2013 , 78, 653-667	0.9	8
69	Various metal organic frameworks combined with imidazolium, quinolinium and benzothiazolium ionic liquids for removal of three antibiotics from water. <i>Journal of Molecular Liquids</i> , 2020 , 318, 114304 ⁶		8
68	Dispersive solid-phase extraction of racemic drugs using chiral ionic liquid-metal-organic framework composite sorbent. <i>Journal of Chromatography A</i> , 2020 , 1627, 461395	4.5	8
67	Complex-precipitation using functionalized chiral ionic liquids with L-proline anion and chromatographic analysis for enantioseparation of racemic amino acids. <i>Chirality</i> , 2018 , 30, 1182-1194	2.1	8
66	Synthesis, characterization and physical properties of novel cholinium-based organic magnetic ionic liquids. <i>Journal of Molecular Liquids</i> , 2017 , 240, 152-161	6	7
65	Adsorption process and mechanism for furfural separation with macroporous resin. <i>Desalination and Water Treatment</i> , 2015 , 56, 2214-2224		7
64	Magnetic solid-phase extraction based on ferroferric oxide nanoparticles doubly coated with chitosan and β -cyclodextrin in layer-by-layer mode for the separation of ibuprofen. <i>RSC Advances</i> , 2016 , 6, 56240-56248	3.7	7
63	Developments of instruments and methods related with high-speed countercurrent chromatography and their applications in research of natural medicines. <i>Open Chemistry</i> , 2012 , 10, 417-432 ¹⁶		7
62	Ultrasonic Extraction of Tropane Alkaloids from Using as Extractant an Ionic Liquid with Similar Structure. <i>Molecules</i> , 2019 , 24,	4.8	6
61	Homogeneous acetylation of hemicelluloses from soy sauce residue in imidazolium-based ionic liquid. <i>Journal of Material Cycles and Waste Management</i> , 2015 , 17, 574-582	3.4	6
60	Study on Degradation of Benzothiazolium-Based Ionic Liquids by UV-H ₂ O ₂ . <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 894	2.6	6

59	Photodegradation of benzothiazole ionic liquids catalyzed by titanium dioxide and silver-loaded titanium dioxide. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 1397-1404	3.2	6
58	Highly selective recognition of L-phenylalanine with molecularly imprinted polymers based on imidazolyl amino acid chiral ionic liquid. <i>Chirality</i> , 2019 , 31, 824-834	2.1	6
57	Temperature-Assisted Removal of Triphenylmethane Dyes from Water with Novel Hydrophobic Benzothiazolium Ionic Liquids. <i>Separation Science and Technology</i> , 2014 , 49, 146-153	2.5	6
56	Separation of Berberine Hydrochloride and Tetrahydropalmatine and Their Quantitative Analysis with Thin Layer Chromatography Involved with Ionic Liquids. <i>Journal of Analytical Methods in Chemistry</i> , 2015 , 2015, 642401	2	6
55	Determination of Bioactive Components of <i>Cistanche deserticola</i> (Roucongong) by High-Performance Liquid Chromatography with Diode Array and Mass Spectrometry Detectors. <i>Analytical Letters</i> , 2014 , 47, 2783-2794	2.2	6
54	Aqueous solubilization and extraction of curcumin enhanced by imidazolium, quaternary ammonium, and tropine ionic liquids, and insight of ionic liquids-curcumin interaction. <i>Journal of Molecular Liquids</i> , 2020 , 317, 113906	6	6
53	Development of tropine-salt aqueous two-phase systems and removal of hydrophilic ionic liquids from aqueous solution. <i>Journal of Chromatography A</i> , 2016 , 1461, 1-9	4.5	6
52	Ionic liquid@β-cyclodextrin-gelatin composite membrane for effective separation of tea polyphenols from green tea. <i>Food Chemistry</i> , 2020 , 333, 127534	8.5	5
51	Solubility of four novel Brønsted-acidic ionic liquids with 8-hydroxyquinoline cation in six alcohols. <i>Journal of Molecular Liquids</i> , 2016 , 219, 923-929	6	5
50	Rethinking the Applications of Ionic Liquids and Deep Eutectic Solvents in Innovative Nano-Sorbents. <i>Frontiers in Chemistry</i> , 2021 , 9, 653238	5	5
49	Ionic liquid-assisted catalysis for glycosidation of two triterpenoid sapogenins. <i>New Journal of Chemistry</i> , 2019 , 43, 16881-16888	3.6	5
48	Extraction assisted by far infrared radiation and hot air circulation with deep eutectic solvent for bioactive polysaccharides from <i>Poria cocos</i> (Schw.) wolf. <i>Green Chemistry</i> , 2021 , 23, 7170-7192	10	5
47	Removal characteristics of two anionic dyes by a polyethylenimine/poly(-dimethylaminoethyl methacrylate) gel.. <i>RSC Advances</i> , 2019 , 9, 22907-22920	3.7	4
46	High effective extraction of selected anthraquinones from <i>Polygonum multiflorum</i> using ionic liquids with ultrasonic assistance. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113342	6	4
45	Systematic Isolation and Utilization of Lignocellulosic Components from Sugarcane Bagasse. <i>Separation Science and Technology</i> , 2013 , 48, 2217-2224	2.5	4
44	The adsorption behavior and mechanism investigation of Cr(VI) ions removal by poly(2-(dimethylamino)ethyl methacrylate)/poly(ethyleneimine) gels. <i>Journal of the Serbian Chemical Society</i> , 2015 , 80, 889-902	0.9	4
43	Synthesis of a New Imidazole Amino Acid Ionic Liquid Polymer and Selective Adsorption Performance for Tea Polyphenols. <i>Polymers</i> , 2020 , 12,	4.5	4
42	Vapor Pressure Measurement and Isobaric Vapor-Liquid Equilibria for Binary Mixtures of ZE-2-Methyl-2-butenenitrile and 2-Methyl-3-butenenitrile. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 1573-1577	2.8	4

41	A Michael addition reaction-based fluorescent probe for malononitrile detection and its applications in aqueous solution, living cells and zebrafish. <i>Analyst, The</i> , 2021 , 146, 2221-2228	5	4
40	Determination of Chlorogenic Acid in a Herbal Medicinal Product with Preconcentration by Ionic Liquid-Modified Magnetic Nanoparticles and High-Performance Liquid Chromatography. <i>Analytical Letters</i> , 2018 , 51, 2013-2025	2.2	3
39	Simultaneous recovery of ionic liquid and bioactive alkaloids with same tropane nucleus through an unusual co-crystal after extraction. <i>Journal of Molecular Liquids</i> , 2018 , 269, 287-297	6	3
38	Swelling behaviors of natural cellulose in ionic liquid aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	3
37	Novel Brønsted-Acidic Ionic Liquids Based on Benzothiazolium Cations as Catalysts for the Acetalization Reactions. <i>Advanced Materials Research</i> , 2011 , 396-398, 1969-1974	0.5	3
36	Catalytic alcoholysis of bagasse cellulose for the total reducing sugars with temperature-sensitive phase-variable ionic liquid. <i>Separation Science and Technology</i> , 2017 , 52, 2456-2462	2.5	2
35	The relationship between swelling and hydrolysis of Trichosanthin (TCS) in aqueous ionic liquids. <i>Separation and Purification Technology</i> , 2015 , 155, 20-25	8.3	2
34	Structural characterization of steroidal saponins from <i>Smilax trinervula</i> using ultra high-performance liquid chromatography coupled with LTQ-Orbitrap mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 974, 75-82	3.2	2
33	A new integrated method of magnetic separation of isoquinoline alkaloids from <i>Coptis chinensis</i> based on their magnetized derivatives and key physical properties. <i>New Journal of Chemistry</i> , 2020 , 44, 7105-7115	3.6	2
32	Novel 3-Methyl-2-alkylthio Benzothiazolyl-Based Ionic Liquids: Synthesis, Characterization, and Antibiotic Activity. <i>Molecules</i> , 2018 , 23,	4.8	2
31	Hydrolysis of trichosanthin (TCS) catalyzed by imidazolium-based ionic liquids in heating and microwave-assisted modes. <i>New Journal of Chemistry</i> , 2018 , 42, 11539-11547	3.6	2
30	Making natural products as magnetic particles and fluids: A simple strategy based on ferromagnetic organic compounds with the structural nucleus of isoquinoline alkaloids. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111852	6	2
29	Fabrication and adsorption property of novel adsorbent for potential application to wastewater with Fe(III) ions. <i>Journal of Central South University</i> , 2014 , 21, 2832-2836	2.1	2
28	X-ray powder diffraction data for [C6Trop] ⁺ [PF6] ⁻ ·C ₁₄ H ₂₇ NOPF ₆ . <i>Powder Diffraction</i> , 2014 , 29, 190-192	1.8	2
27	Fabrication and characterization of novel tentacle-type adsorbent for resolution of chiral drugs. <i>Science Bulletin</i> , 2013 , 58, 3390-3397		2
26	Detection of the metabolites of human plasma and follicular fluid in IVF-ET with microextraction and LC-TOF-MS. <i>Technology and Health Care</i> , 2015 , 23 Suppl 1, S29-36	1.1	2
25	Preconcentration of Indigotin and Indirubin from Indigowoad Roots with Novel Quinoline Ionic Liquids with Determination by High-Performance Liquid Chromatography. <i>Analytical Letters</i> , 2015 , 48, 1257-1274	2.2	2
24	Hydrolysis of the Extract of <i>Rosa roxburghii</i> Tratt Catalyzed by Imidazolium Ionic Liquids. <i>Asian Journal of Chemistry</i> , 2013 , 25, 7327-7331	0.4	2

23	Recent Research Progress in Natural Bioactive Constituents against Lipid Metabolic Diseases. <i>Current Topics in Medicinal Chemistry</i> , 2016 , 16, 2605-24	3	2
22	Acute toxicity and damage of tissue from benzothiazole-based ionic liquids in zebrafish(<i>Danio rerio</i>) 2017 ,		2
21	Synthesis, physico-chemical properties of novel tropine-amino acid based ionic liquids and their effects on the lipase activity. <i>Journal of Molecular Liquids</i> , 2021 , 342, 116938	6	2
20	Swelling and microwave-assisted hydrolysis of animal keratin in ionic liquids. <i>Journal of Molecular Liquids</i> , 2021 , 341, 117306	6	2
19	Benzothiazolium ionic liquid-induced crystallization of active alkaloid in its alcoholic solutions. <i>Journal of Molecular Liquids</i> , 2019 , 292, 111421	6	1
18	Calculations of optical rotation: Influence of molecular structure. <i>Journal of the Serbian Chemical Society</i> , 2012 , 77, 887-898	0.9	1
17	The Preparation of High Purity of Rebaudioside A and Stevioside and the Enrichment of Rebaudioside C by Subsequent Twice Crystallizations from Natural Stevia Resources. <i>Separations</i> , 2021 , 8, 200	3.1	1
16	Recent Development of Ionic Liquids in the Degradation, Synthesis and Modification of Polysaccharides. <i>Current Organic Chemistry</i> , 2018 , 22, 2095-2116	1.7	1
15	Prediction of osmotic coefficients for ionic liquids in various solvents with artificial neural network. <i>Journal of the Serbian Chemical Society</i> , 2017 , 82, 399-409	0.9	1
14	Reactive behavior of isoquinoline alkaloid in a green reduction process assisted by ionic liquids and solvent-free techniques. <i>Reaction Chemistry and Engineering</i> , 2021 , 6, 67-73	4.9	1
13	Selective separation of main flavonoids by combinational use of ionic liquid-loaded microcapsules from crude extract of Tartary buckwheat. <i>Food Chemistry</i> , 2021 , 362, 130255	8.5	1
12	Emerging Applications of Metal-Organic Frameworks for Environmental Remediation. <i>ACS Symposium Series</i> , 1-23	0.4	1
11	Microwave energy-assisted extraction of bioactive polyphenols with green technology based on magnetic ionic liquid and their stability under different conditions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 268, 012072	0.3	0
10	Online NIR Analysis and Prediction Model for Synthesis Process of Ethyl 2-Chloropropionate. <i>International Journal of Analytical Chemistry</i> , 2015 , 2015, 145315	1.4	0
9	Removal of Pyridine, Quinoline, and Aniline from Oil by Extraction with Aqueous Solution of (Hydroxy)quinolinium and Benzothiazolium Ionic Liquids in Various Ways. <i>Separations</i> , 2021 , 8, 216	3.1	0
8	A targeted extraction with solvent-free pressurized method based on analyte-like oxonium salts: An example for simultaneous determination of bamboo-leaf flavonoids by ultra-performance liquid chromatography/ultraviolet detection. <i>Journal of Chromatography A</i> , 2021 , 1658, 462595	4.5	0
7	Tropine-Based Ionic Liquid Gel for Adsorption of Protein Ovalbumin: High Capacity, Selectivity and Biocompatibility. <i>ChemistrySelect</i> , 2020 , 5, 10168-10175	1.8	0
6	A highly hyphenated preparative method with emulsion liquid membrane extraction-in situ magnetization-magnetic separation for bioactive constituents from typical medicinal plant. <i>Separation and Purification Technology</i> , 2021 , 275, 119249	8.3	0

- 5 Determination of three physical properties of quinoline ionic liquids with hexafluorophosphate. *MATEC Web of Conferences*, **2016**, 39, 03005 0.3
- 4 Solubility Behavior of Tropine-Based Ionic Liquids with PF6- and their Application in Hydrogel Material. *Solid State Phenomena*, **2018**, 278, 96-101 0.4
- 3 A new computational method for molecular design of a liquid-liquid extractant and related phase equilibrium based on group contribution. *Molecular Systems Design and Engineering*, **2020**, 5, 1524-1537 4.6
- 2 Pretreatment Techniques for Drug Residues in the Environment before their Quantitation. *Current Analytical Chemistry*, **2021**, 17, 768-801 1.7
- 1 Fabrication of a novel core-shell-shell temperature-sensitive magnetic composite with excellent performance for papain adsorption.. *RSC Advances*, **2021**, 11, 24843-24851 3.7