

# Application of ionic liquids in analytical chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Influence of chloride, water, and organic solvents on the physical properties of ionic liquids. <i>Pure and Applied Chemistry</i> , 2000, 72, 2275-2287.	0.9	2,126
2	Application of Ionic Liquids in Analytical Chemistry. <i>ChemInform</i> , 2005, 36, no.	0.1	0
3	INNOVATIVE APPLICATIONS OF IONIC LIQUIDS AS "GREEN" ENGINEERING LIQUIDS. <i>Chemical Engineering Communications</i> , 2006, 193, 1660-1677.	1.5	318
4	Extractive Solubilization, Structural Change, and Functional Conversion of Cytochrome c in Ionic Liquids via Crown Ether Complexation. <i>Analytical Chemistry</i> , 2006, 78, 7735-7742.	3.2	99
5	Raman Spectroscopic Study on Solvation of Diphenylcyclopropanone and Phenol Blue in Room Temperature Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6164-6172.	1.1	52
6	Solvatochromic Absorbance Probe Behavior and Preferential Solvation in Aqueous 1-Butyl-3-methylimidazolium Tetrafluoroborate. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 2051-2055.	1.0	60
7	A Striking Effect of Ionic Liquid Anions in the Extraction of Sr <sup>2+</sup> and Cs <sup>+</sup> by Dicyclohexano-18-Crown-6. <i>Solvent Extraction and Ion Exchange</i> , 2006, 24, 19-31.	0.8	107
8	Additivity in the Optical Kerr Effect Spectra of Binary Ionic Liquid Mixtures: Implications for Nanostructural Organization. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16174-16178.	1.2	158
9	Effect of Concentration of Ionic Liquid 1-Butyl-3-Methylimidazolium, Tetrafluoroborate, for Retention and Separation of Some Amino and Nucleic Acids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 1687-1701.	0.5	35
10	Efficient Precipitation of Dyes from Dilute Aqueous Solutions of Ionic Liquids. <i>Analytical Sciences</i> , 2006, 22, 1051-1053.	0.8	34
11	Solvent Extraction of Lanthanides into an Ionic Liquid Containing N,N,N',N'-Tetrakis(2-pyridylmethyl)ethylenediamine. <i>Chemistry Letters</i> , 2006, 35, 484-485.	0.7	30
12	Halogen-Free Water-Immiscible Ionic Liquids Based on Tetraoctylammonium Cation and Dodecylsulfate and Dodecylbenzenesulfonate Anions, and Their Application as Chelate Extraction Solvent. <i>Analytical Sciences</i> , 2006, 22, 199-200.	0.8	30
13	Comparison of Extraction Capacities Between Ionic Liquids and Dichloromethane. <i>Chinese Journal of Analytical Chemistry</i> , 2006, 34, 598-602.	0.9	24
14	Analytical applications of room-temperature ionic liquids: A review of recent efforts. <i>Analytica Chimica Acta</i> , 2006, 556, 38-45.	2.6	705
15	Nafion membrane-supported ionic liquid "solid phase microextraction for analyzing ultra trace PAHs in water samples. <i>Analytica Chimica Acta</i> , 2006, 557, 321-328.	2.6	127
16	Monitor adsorption of acetone vapor to a room temperature ionic liquid 1-octyl-3-methylimidazolium bromide by a langasite crystal resonator. <i>Analytica Chimica Acta</i> , 2006, 566, 19-28.	2.6	8
17	Headspace liquid-phase microextraction using ionic liquid as extractant for the preconcentration of dichlorodiphenyltrichloroethane and its metabolites at trace levels in water samples. <i>Analytica Chimica Acta</i> , 2006, 572, 165-171.	2.6	107
18	Determination of octopamine, synephrine and tyramine in Citrus herbs by ionic liquid improved "green"™ chromatography. <i>Journal of Chromatography A</i> , 2006, 1125, 182-188.	1.8	81

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19	Single drop liquid-liquid microextraction of methamphetamine and amphetamine in urine. <i>Journal of Chromatography A</i> , 2006, 1133, 35-40.	1.8	94
20	Physico-chemical processes in imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2441.	1.3	394
21	Comparative analysis of solvation and selectivity in room temperature ionic liquids using the Abraham linear free energy relationship. <i>Green Chemistry</i> , 2006, 8, 906.	4.6	130
22	Recent developments in methods and technology for analysis of biological samples by MALDI-TOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 193-204.	1.9	117
23	Application of ionic liquids as mobile phase modifier in HPLC. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 1-6.	1.4	76
24	Retention factors and resolutions of amino benzoic acid isomers with some ionic liquids. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 477-483.	1.4	14
25	Application of 1-alkyl-3-methylimidazolium-based ionic liquids in separation of bioactive flavonoids by capillary zone electrophoresis. <i>Journal of Separation Science</i> , 2006, 29, 272-276.	1.3	54
26	Comparison of ethylammonium formate to methanol as a mobile-phase modifier for reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 599-606.	1.3	25
27	Ethylammonium Formate as an Organic Solvent Replacement for Ion-Pair Reversed-Phase Liquid Chromatography. <i>Journal of Chromatographic Science</i> , 2006, 44, 607-614.	0.7	18
28	Analysis of Linear Regressions Applied to Water-Methanol Eluents Modified with Ionic Liquid. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 2557-2573.	0.5	2
29	Partition coefficient correlations for transfer of solutes from gas phase and water to room temperature ionic liquids. <i>Physics and Chemistry of Liquids</i> , 2007, 45, 241-249.	0.4	13
30	Effects of Ionic Liquid as Additive and the pH of the Mobile Phase on the Retention Factors of Amino Benzoic Acids in RP-HPLC. <i>Journal of Chromatographic Science</i> , 2007, 45, 256-262.	0.7	17
31	Unique role of hydrophilic ionic liquid in modifying properties of aqueous Triton X-100. <i>Journal of Chemical Physics</i> , 2007, 127, 184501.	1.2	94
32	On the Extraction of Aromatic Compounds from Hydrocarbons by Imidazolium Ionic Liquids. <i>International Journal of Molecular Sciences</i> , 2007, 8, 593-605.	1.8	136
34	Dilute aqueous 1-butyl-3-methylimidazolium hexafluorophosphate: properties and solvatochromic probe behavior. <i>Green Chemistry</i> , 2007, 9, 1252.	4.6	43
35	IONIC LIQUIDS. , 2007, , 1-8.		5
36	Conductivities, Volumes, Fluorescence, and Aggregation Behavior of Ionic Liquids [C4mim][BF4] and [Cnmim]Br (n= 4, 6, 8, 10, 12) in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6181-6188.	1.2	385
37	Alkylammonium Formate Ionic Liquids as Organic Mobile Phase Replacements for Reversed-Phase Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 165-184.	0.5	34

#	ARTICLE	IF	CITATIONS
38	Application of Ionic Liquids in Liquid Chromatography. <i>Critical Reviews in Analytical Chemistry</i> , 2007, 37, 127-140.	1.8	99
39	Flow-Focusing Generation of Monodisperse Water Droplets Wrapped by Ionic Liquid on Microfluidic Chips: From Plug to Sphere. <i>Langmuir</i> , 2007, 23, 11924-11931.	1.6	34
41	Concentration-Dependent Dual Behavior of Hydrophilic Ionic Liquid in Changing Properties of Aqueous Sodium Dodecyl Sulfate. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13307-13315.	1.2	126
42	Hexaalkylguanidinium Trifluoromethanesulfonates – A General Synthesis from Tetraalkylureas and Triflic Anhydride, and Properties as Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3746-3757.	1.2	33
43	Ionic liquid-assisted PDMS microchannel modification for efficiently resolving fluorescent dye and protein adsorption. <i>Electrophoresis</i> , 2007, 28, 4597-4605.	1.3	38
44	Convenient syntheses of perdeuterated ionic liquids. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 223-225.	1.4	10
45	A comparison of ionic liquids to molecular organic solvents as additives for chiral separations in micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2007, 30, 1334-1342.	1.3	31
46	A rapid and sensitive UPLC-ESI MS method for analysis of isofraxidin, a natural antistress compound, and its metabolites in rat plasma. <i>Journal of Separation Science</i> , 2007, 30, 3202-3206.	1.3	15
47	Mercury extraction by ionic liquids: temperature and alkyl chain length effect. <i>Tetrahedron Letters</i> , 2007, 48, 1767-1769.	0.7	100
48	Application of ionic liquids in the microwave-assisted extraction of trans-resveratrol from <i>Rhizma Polygoni Cuspidati</i> . <i>Journal of Chromatography A</i> , 2007, 1140, 56-62.	1.8	187
49	Preparation and evaluation of a silica-based 1-alkyl-3-(propyl-3-sulfonate) imidazolium zwitterionic stationary phase for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1163, 63-69.	1.8	113
50	Hydrophilic interaction liquid chromatography for separation and quantification of selected room-temperature ionic liquids. <i>Journal of Chromatography A</i> , 2007, 1164, 139-144.	1.8	40
51	Sensitive determination of free benzophenone-3 in human urine samples based on an ionic liquid as extractant phase in single-drop microextraction prior to liquid chromatography analysis. <i>Journal of Chromatography A</i> , 2007, 1174, 95-103.	1.8	125
52	Room temperature ionic liquid as matrix medium for the determination of residual solvents in pharmaceuticals by static headspace gas chromatography. <i>Journal of Chromatography A</i> , 2007, 1167, 116-119.	1.8	48
53	Direct electrochemistry of horseradish peroxidase in gelatin-hydrophobic ionic liquid gel films. <i>Electrochimica Acta</i> , 2007, 52, 7425-7431.	2.6	62
54	Effect of added ionic liquid on aqueous Triton X-100 micelles. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 235-245.	5.0	162
55	Modulating properties of aqueous sodium dodecyl sulfate by adding hydrophobic ionic liquid. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 803-814.	5.0	110
56	Extraction of Ferulic Acid and Caffeic Acid with Ionic Liquids. <i>Chinese Journal of Analytical Chemistry</i> , 2007, 35, 1726-1730.	0.9	45

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57	Matrix-assisted laser desorption/ionization detection of carbonaceous compounds in ionic liquid matrices. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3161-3164.	0.7	17
58	Study of Anion Effects on Separation Phenomenon for the Vinyloctylimidazolium Based Ionic Liquid Polymer Stationary Phases in GC. <i>Chromatographia</i> , 2007, 66, 607-611.	0.7	40
59	Dicationic ionic liquid stationary phase for GC-MS analysis of volatile compounds in herbal plants. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 889-899.	1.9	133
60	Extraction of lactic acid by phosphonium ionic liquids. <i>Separation and Purification Technology</i> , 2007, 57, 483-494.	3.9	204
61	Ionic liquids used as QCM coating materials for the detection of alcohols. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 258-265.	4.0	41
62	Combined use of carbon nanotubes and ionic liquid to improve the determination of antidepressants in urine samples by liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1139-1145.	1.9	69
63	Electrocatalytic activity of hemoglobin in sodium alginate/SiO <sub>2</sub> nanoparticle/ionic liquid BMIMPF <sub>6</sub> composite film. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 655-661.	1.2	20
64	Mass spectrometry analysis of new chemical entities for pharmaceutical discovery. <i>Mass Spectrometry Reviews</i> , 2008, 27, 20-34.	2.8	29
65	Separation of ternary systems of hydrophilic ionic liquid with miscible organic compounds by RPLC with refractive index detection. <i>Journal of Separation Science</i> , 2008, 31, 1060-1066.	1.3	15
66	Ionic liquids and CE combination. <i>Electrophoresis</i> , 2008, 29, 94-107.	1.3	62
68	Interaction of anionic dyes and cationic surfactants with ionic liquid character. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 274-280.	5.0	35
69	Solvent extraction of selected endocrine-disrupting phenols using ionic liquids. <i>Separation and Purification Technology</i> , 2008, 61, 324-331.	3.9	191
70	Characterisation and application of carbon film electrodes in room temperature ionic liquid media. <i>Journal of Electroanalytical Chemistry</i> , 2008, 616, 14-26.	1.9	23
71	Self-aggregation of ionic liquids in aqueous media: A thermodynamic study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 318, 263-268.	2.3	80
72	Applications of ionic liquids in electrochemical sensors. <i>Analytica Chimica Acta</i> , 2008, 607, 126-135.	2.6	650
73	Cold-induced aggregation microextraction: A novel sample preparation technique based on ionic liquids. <i>Analytica Chimica Acta</i> , 2008, 613, 56-63.	2.6	223
74	Sample preparation. <i>Journal of Chromatography A</i> , 2008, 1184, 191-219.	1.8	291
75	Reversed-phase liquid chromatography analysis of alkyl-imidazolium ionic liquids. <i>Journal of Chromatography A</i> , 2008, 1189, 476-482.	1.8	44

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76	Temperature-controlled ionic liquid dispersive liquid phase micro-extraction. Journal of Chromatography A, 2008, 1177, 43-49.	1.8	298
77	Liquid-liquid extraction of lysozyme using a dye-modified ionic liquid. Journal of Chromatography A, 2008, 1193, 1-6.	1.8	35
78	Background vapor from six ionic liquids and the partition coefficients and limits of detection for 10 different analytes in those ionic liquids measured using headspace gas chromatography. Journal of Chromatography A, 2008, 1201, 15-20.	1.8	24
79	Ionic liquid-based microwave-assisted extraction of phenolic alkaloids from the medicinal plant <i>Nelumbo nucifera</i> Gaertn.. Journal of Chromatography A, 2008, 1208, 42-46.	1.8	151
80	Determination of trihalomethanes in waters by ionic liquid-based single drop microextraction/gas chromatographic/mass spectrometry. Journal of Chromatography A, 2008, 1209, 76-82.	1.8	71
81	Ionic liquids in separation techniques. Journal of Chromatography A, 2008, 1184, 6-18.	1.8	614
82	Binary ionic liquid mixtures as gas chromatography stationary phases for improving the separation selectivity of alcohols and aromatic compounds. Journal of Chromatography A, 2008, 1182, 119-127.	1.8	112
83	Ionic liquid-based single-drop microextraction/gas chromatographic/mass spectrometric determination of benzene, toluene, ethylbenzene and xylene isomers in waters. Journal of Chromatography A, 2008, 1201, 106-111.	1.8	125
84	A Review of Ionic Liquids in Chromatographic and Electromigration Techniques. Chromatographia, 2008, 68, 1-10.	0.7	99
85	Characterizations for Vinylimidazolium Based Ionic Liquid Polymer Stationary Phases for Capillary Gas Chromatography. Chromatographia, 2008, 67, 413-420.	0.7	69
86	Aggregation of Ionic Liquids [C <sub>n</sub> mim]Br (n = 4, 6, 8, 10, 12) in D <sub>2</sub> O: A NMR Study. Journal of Physical Chemistry B, 2008, 112, 2031-2039.	1.2	230
87	Liquid-liquid equilibria of butyric acid for solvents containing a phosphonium ionic liquid. Chemical Papers, 2008, 62, .	1.0	60
88	Desulfurization of Fuel by Extraction with Pyridinium-Based Ionic Liquids. Industrial & Engineering Chemistry Research, 2008, 47, 8384-8388.	1.8	206
89	Immobilization of Ionic Liquid [BMIM][PF <sub>6</sub> ] by Spraying Suspension Dispersion Method. Industrial & Engineering Chemistry Research, 2008, 47, 4414-4417.	1.8	34
90	Room temperature ionic liquids enhanced chemical vapor generation of copper, silver and gold following reduction in acidified aqueous solution with KBH <sub>4</sub> for atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2008, 23, 1372.	1.6	54
91	Room Temperature Ionic Liquid Based Polystyrene Nanofibers with Superhydrophobicity and Conductivity Produced by Electrospinning. Chemistry of Materials, 2008, 20, 3420-3424.	3.2	123
92	Multiprobe Spectroscopic Evidence for "Hyperpolarity" within 1-Butyl-3-methylimidazolium Hexafluorophosphate Mixtures with Tetraethylene Glycol. Journal of Physical Chemistry B, 2008, 112, 14927-14936.	1.2	91
93	Unusual Solvatochromism within 1-Butyl-3-methylimidazolium Hexafluorophosphate + Poly(ethylene Terephthalate) Overlaid with	1.2	93

#	ARTICLE	IF	CITATIONS
94	Recovery of Furfural from Aqueous Solution by Ionic Liquid Based Liquid-Liquid Extraction. Separation Science and Technology, 2008, 43, 2090-2102.	1.3	40
95	Ionic liquids as amphiphile self-assembly media. Chemical Society Reviews, 2008, 37, 1709.	18.7	500
96	Ionic liquid-based dynamic liquid-phase microextraction: Application to the determination of anti-inflammatory drugs in urine samples. Journal of Chromatography A, 2008, 1202, 1-7.	1.8	71
97	Direct Coupling of Ionic Liquid Based Single-Drop Microextraction and GC/MS. Analytical Chemistry, 2008, 80, 793-800.	3.2	144
98	Effect of Anions on the Extraction of Lanthanides (III) by N,N-Dimethyl-N,N'-Diphenyl-3-Oxapentanediamide. Solvent Extraction and Ion Exchange, 2008, 26, 77-99.	0.8	55
99	Extraction behavior of lanthanides using a diglycolamide derivative TODGA in ionic liquids. Dalton Transactions, 2008, , 5083.	1.6	172
100	Reversal of Elution Sequence and Selectivity Resulting from the Use of an Ionic Liquid as a Mobile Phase Modifier. Journal of Liquid Chromatography and Related Technologies, 2008, 31, 1104-1122.	0.5	4
101	Thermal Decomposition Behaviors of Imidazolium-type Ionic Liquids Studied by Pyrolysis-Gas Chromatography. Analytical Sciences, 2008, 24, 1335-1340.	0.8	110
102	Application of Ionic Liquids for Solid-Phase Extraction of Trace Elements. Analytical Sciences, 2008, 24, 1351-1353.	0.8	54
103	Extraction Behavior of Metal Cations in Ionic Liquid Chelate Extraction System. Bunseki Kagaku, 2008, 57, 949-959.	0.1	11
104	Mutual Solubility of Hydrophobic Ionic Liquids and Water in Liquid-Liquid Two-phase Systems for Analytical Chemistry. Analytical Sciences, 2008, 24, 1221-1230.	0.8	45
105	Distribution of 1-Alkyl-3-methylimidazolium Ions and Their Ion Pairs between Dichloromethane and Water. Analytical Sciences, 2008, 24, 1261-1267.	0.8	7
106	1-Butyl-3-methylimidazolium Hexafluorophosphate Ionic Liquid as a New Solvent for the Determination of Lead(II) and Cadmium(II) by Anodic Stripping Voltammetry after Extraction of the Iodide Complexes. Analytical Sciences, 2008, 24, 1363-1367.	0.8	15
107	Dye Redissolution after Precipitation with a Water-miscible Ionic Liquid. Chemistry Letters, 2008, 37, 260-261.	0.7	18
108	Equilibrium studies on lithium(I) transfer into ionic liquid with a water-soluble octabromoporphyrin $(\text{H}_2(\text{OBTMPyP})^{4+})$ from aqueous phase. Journal of Porphyrins and Phthalocyanines, 2009, 13, 849-853.	0.4	3
109	Ionic Liquid Catalytic Systems and Chemical Reactions. Current Organic Chemistry, 2009, 13, 1278-1299.	0.9	37
110	Effects of Ionic Liquid on the Separation of 2-Chlorophenol and 2,4,6-Trichlorophenol in RP-HPLC. Journal of Chromatographic Science, 2009, 47, 392-395.	0.7	8
111	Amino Acid Ionic Liquids as Chiral Ligands in Ligand-Exchange Chiral Separations. Chemistry - A European Journal, 2009, 15, 9889-9896.	1.7	82

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112	Electrochemical Behavior of Nanoelectrode Ensembles in the Ionic Liquid [BMIm][BF <sub>4</sub> ]. Electroanalysis, 2009, 21, 392-398.	1.5	7
113	Electrochemical Characterization and Application of Carbon Ionic Liquid Electrodes Containing 12-Phosphomolybdic Acid. Electroanalysis, 2009, 21, 1057-1065.	1.5	26
114	Prussian Blue Modified Carbon Ionic Liquid Electrode: Electrochemical Characterization and Its Application for Hydrogen Peroxide and Glucose Measurements. Electroanalysis, 2009, 21, 1862-1868.	1.5	28
115	Co-electroosmotic capillary electrophoresis of basic proteins with 1-methylimidazolium tetrafluoroborate ionic liquids as non-covalent coating agents of the fused-silica capillary and additives of the electrolyte solution. Electrophoresis, 2009, 30, 1869-1876.	1.3	24
116	Ionic liquid surfactant-mediated ultrasonic-assisted extraction coupled to HPLC: Application to analysis of tanshinones in <i>Salvia miltiorrhiza bunge</i> . Journal of Separation Science, 2009, 32, 4220-4226.	1.3	94
117	Temperature-controlled ionic liquid-dispersive liquid-phase microextraction for preconcentration of chlorotoluron, diethofencarb and chlorbenzuron in water samples. Journal of Separation Science, 2009, 32, 3945-3950.	1.3	33
118	Solid-phase extraction of liquiritin and glycyrrhizic acid from licorice using ionic liquid-based silica sorbent. Journal of Separation Science, 2009, 32, 4033-4039.	1.3	55
119	Ionic liquids as mobile phase additives for high-performance liquid chromatography separation of phenoxy acid herbicides and phenols. Journal of Separation Science, 2009, 32, 4126-4132.	1.3	32
120	In situ solvent formation microextraction based on ionic liquids: A novel sample preparation technique for determination of inorganic species in saline solutions. Analytica Chimica Acta, 2009, 634, 186-191.	2.6	194
121	Ultra-trace determination of lead in water and food samples by using ionic liquid-based single drop microextraction-electrothermal atomic absorption spectrometry. Analytica Chimica Acta, 2009, 644, 48-52.	2.6	127
122	Enrichment and sensitive determination of dichlorodiphenyltrichloroethane and its metabolites with temperature controlled ionic liquid dispersive liquid phase microextraction prior to high performance liquid phase chromatography. Analytica Chimica Acta, 2009, 651, 64-68.	2.6	69
123	Solvatochromic absorbance probe behavior within 1-butyl-3-methylimidazolium hexafluorophosphate+propylene carbonate: Preferential solvation or solvent-solvent interaction?. Chemical Engineering Journal, 2009, 147, 36-42.	6.6	33
124	A strategy for immobilisation of carbon nanotubes homogenised in room temperature ionic liquids on carbon electrodes. Journal of Electroanalytical Chemistry, 2009, 633, 106-112.	1.9	19
125	Ionic liquids in sample preparation. Analytical and Bioanalytical Chemistry, 2009, 393, 871-883.	1.9	163
126	Study of toxicity of imidazolium ionic liquids to watercress ( <i>Lepidium sativum</i> L.). Analytical and Bioanalytical Chemistry, 2009, 393, 983-990.	1.9	102
127	Ionic liquids as desorption solvents and memory effect suppressors in heterocyclic aromatic amines determination by SPME-HPLC fluorescence. Analytical and Bioanalytical Chemistry, 2009, 394, 937-946.	1.9	49
128	Pesticide extraction from table grapes and plums using ionic liquid based dispersive liquid-liquid microextraction. Analytical and Bioanalytical Chemistry, 2009, 395, 2387-2395.	1.9	61
129	Aniline/ <i>p</i> -cyano-4-hydroxycinnamic acid is a highly versatile ionic liquid for matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1659-1668.	0.7	53



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130	Simple and commercial readily-available approach for the direct use of ionic liquid-based single-drop microextraction prior to gas chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 1290-1295.	1.8	112
131	Green analytical chemistry in sample preparation for determination of trace organic pollutants. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 943-951.	5.8	247
132	Sample preparation for analyzing traditional Chinese medicines. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 1253-1262.	5.8	55
133	Development of high performance electrochemical solvent extraction method. <i>Journal of Electroanalytical Chemistry</i> , 2009, 629, 50-56.	1.9	21
134	Cold-induced aggregation microextraction based on ionic liquids and fiber optic-linear array detection spectrophotometry of cobalt in water samples. <i>Journal of Hazardous Materials</i> , 2009, 165, 1049-1055.	6.5	106
135	Determination of phenothiazine derivatives in human urine by using ionic liquid-based dynamic liquid-phase microextraction coupled with liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 37-42.	1.2	62
136	Solid-phase extraction of tanshinones from <i>Salvia Miltiorrhiza Bunge</i> using ionic liquid-modified silica sorbents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 738-742.	1.2	105
137	Liquid-liquid miscibility and volumetric properties of aqueous solutions of ionic liquids as a function of temperature. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 1206-1214.	1.0	63
138	Miniaturized preconcentration methods based on liquid-liquid extraction and their application in inorganic ultratrace analysis and speciation: A review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 1-15.	1.5	359
139	Measurements and correlation of viscosities and conductivities for the mixtures of imidazolium ionic liquids with molecular solutes. <i>Chemical Engineering Journal</i> , 2009, 147, 27-35.	6.6	77
140	Ultrasound-assisted ionic liquid dispersive liquid-phase micro-extraction: A novel approach for the sensitive determination of aromatic amines in water samples. <i>Journal of Chromatography A</i> , 2009, 1216, 4361-4365.	1.8	178
141	Ionic liquids used in and analyzed by capillary and microchip electrophoresis. <i>Journal of Chromatography A</i> , 2009, 1216, 4817-4823.	1.8	45
142	Hollow fiber supported ionic liquid membrane microextraction for determination of sulfonamides in environmental water samples by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 6259-6266.	1.8	148
143	Development of an ionic liquid based dispersive liquid-liquid microextraction method for the analysis of polycyclic aromatic hydrocarbons in water samples. <i>Journal of Chromatography A</i> , 2009, 1216, 6356-6364.	1.8	163
144	Ionic liquid based dispersive liquid-liquid microextraction for the extraction of pesticides from bananas. <i>Journal of Chromatography A</i> , 2009, 1216, 7336-7345.	1.8	151
145	Effects of room-temperature ionic liquids on the chemical vapor generation of gold: Mechanism and analytical application. <i>Analytica Chimica Acta</i> , 2009, 650, 59-64.	2.6	28
146	Ionic liquids extraction of Para Red and Sudan dyes from chilli powder, chilli oil and food additive combined with high performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2009, 650, 65-69.	2.6	97
147	Ionic liquid-based ultrasonic-assisted extraction of piperine from white pepper. <i>Analytica Chimica Acta</i> , 2009, 640, 47-51.	2.6	135

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148	Application of Ionic Liquids in High Performance Reversed-Phase Chromatography. <i>International Journal of Molecular Sciences</i> , 2009, 10, 2591-2610.	1.8	94
149	Polymer Molecular Weight-Dependent Unusual Fluorescence Probe Behavior within 1-Butyl-3-methylimidazolium Hexafluorophosphate + Poly(ethylene glycol). <i>Journal of Physical Chemistry B</i> , 2009, 113, 7606-7614.	1.2	44
150	Direct Electrochemistry of Hemoglobin in Chitosan/Multiwalled Carbon Nanotubes/Ionic Liquid-Modified Carbon-Paste Electrode. <i>Analytical Letters</i> , 2009, 42, 2460-2473.	1.0	5
151	Speciation of mercury by ionic liquid-based single-drop microextraction combined with high-performance liquid chromatography-photodiode array detection. <i>Talanta</i> , 2009, 78, 537-541.	2.9	140
152	Application of ionic liquids in the microwave-assisted extraction of polyphenolic compounds from medicinal plants. <i>Talanta</i> , 2009, 78, 1177-1184.	2.9	215
153	Biodegradable, non-bactericidal oxygen-functionalised imidazolium esters: A step towards "greener" ionic liquids. <i>Green Chemistry</i> , 2009, 11, 475.	4.6	153
154	Effect of Ionic Liquids as the Mobile Phase Additives on the HPLC Resolution of Four Active Compounds from <i>Sophora flavescens</i> Ait. <i>Molecules</i> , 2009, 14, 2127-2134.	1.7	15
155	Electrochemistry of Room-Temperature Ionic Liquids and Melts. <i>Modern Aspects of Electrochemistry</i> , 2009, , 63-174.	0.2	43
156	Liquid-phase microextraction in bioanalytical sample preparation. <i>Bioanalysis</i> , 2009, 1, 135-149.	0.6	53
157	Desulfurization of Diesel Fuel by Extraction with Lewis-Acidic Ionic Liquid. <i>Separation Science and Technology</i> , 2009, 44, 971-982.	1.3	58
158	Multiprobe Spectroscopic Investigation of Molecular-level Behavior within Aqueous 1-Butyl-3-methylimidazolium Tetrafluoroborate. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3088-3098.	1.2	46
159	Solid-Phase Extraction of Caffeine and Theophylline from Green Tea by a New Ionic Liquid-Modified Functional Polymer Sorbent. <i>Analytical Letters</i> , 2009, 43, 110-118.	1.0	42
160	Synergistic Effect of 18-Crown-6 Derivatives on Chelate Extraction of Lanthanoids(III) into an Ionic Liquid with 2-Thenoyltrifluoroacetone. <i>Analytical Sciences</i> , 2010, 26, 607-611.	0.8	56
161	Ionic liquids in enzymatic catalysis and biochemical methods of analysis: Capabilities and prospects. <i>Journal of Analytical Chemistry</i> , 2010, 65, 331-351.	0.4	31
162	Comparison of Different Silica-Based Imidazolium Stationary Phases for LC in Separation of Alkaloids. <i>Chromatographia</i> , 2010, 71, 25-30.	0.7	38
163	Determination of five polar herbicides in water samples by ionic liquid dispersive liquid-phase microextraction. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3089-3095.	1.9	35
164	Formation of a robust and stable film comprising ionic liquid and polyoxometalate on glassy carbon electrode modified with multiwalled carbon nanotubes: Toward sensitive and fast detection of hydrogen peroxide and iodate. <i>Electrochimica Acta</i> , 2010, 55, 4750-4757.	2.6	82
165	Innovative chemically bonded ionic liquids-based sol-gel coatings as highly porous, stable and selective stationary phases for solid phase microextraction. <i>Analytica Chimica Acta</i> , 2010, 683, 96-106.	2.6	65

#	ARTICLE	IF	CITATIONS
166	Decomposition of halophenols in room-temperature ionic liquids by ionizing radiation. <i>Radiation Physics and Chemistry</i> , 2010, 79, 1159-1164.	1.4	4
167	Role of the Surfactant Structure in the Behavior of Hydrophobic Ionic Liquids within Aqueous Micellar Solutions. <i>ChemPhysChem</i> , 2010, 11, 1044-1052.	1.0	33
168	Suitability of ionic liquids as mobile-phase additives in HPLC with fluorescence and UV detection for the determination of heterocyclic aromatic amines. <i>Journal of Separation Science</i> , 2010, 33, 182-190.	1.3	22
169	Ionic liquid-bonded polysiloxane as stationary phase for capillary gas chromatography. <i>Journal of Separation Science</i> , 2010, 33, 3159-3167.	1.3	25
170	Ionic liquid for single-drop microextraction followed by high-performance liquid chromatography-ultraviolet detection to determine carbonyl compounds in environmental waters. <i>Journal of Separation Science</i> , 2010, 33, 2376-2382.	1.3	32
171	Hollow fiber based-liquid phase microextraction using ionic liquid solvent for preconcentration of lead and nickel from environmental and biological samples prior to determination by electrothermal atomic absorption spectrometry. <i>Journal of Hazardous Materials</i> , 2010, 176, 481-486.	6.5	140
172	Emerging ionic liquid-based techniques for total-metal and metal-speciation analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1184-1201.	5.8	90
173	Effect of the chain length in the structure of imidazolic ionic liquids and dimethylformamide solutions probed by Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2010, 54, 123-126.	1.2	10
174	Ionic liquids in analytical chemistry. <i>Analytica Chimica Acta</i> , 2010, 661, 1-16.	2.6	670
175	Novel guanidinium-based ionic liquids as stationary phases for capillary gas chromatography. <i>Chinese Chemical Letters</i> , 2010, 21, 1133-1136.	4.8	14
176	Selectivity of guanidinium ionic liquid for capillary gas chromatography. <i>Chinese Chemical Letters</i> , 2010, 21, 1358-1360.	4.8	13
177	Retention behaviors of novel ionic liquid stationary phases and their selectivity for capillary gas chromatography. <i>Chinese Chemical Letters</i> , 2010, 21, 1475-1478.	4.8	2
178	Extraction of organic compounds with room temperature ionic liquids. <i>Journal of Chromatography A</i> , 2010, 1217, 2268-2286.	1.8	434
179	Determination of water pollutants by direct-immersion solid-phase microextraction using polymeric ionic liquid coatings. <i>Journal of Chromatography A</i> , 2010, 1217, 1236-1243.	1.8	105
180	N-Methylimidazolium ionic liquid-functionalized silica as a sorbent for selective solid-phase extraction of 12 sulfonylurea herbicides in environmental water and soil samples. <i>Journal of Chromatography A</i> , 2010, 1217, 1567-1574.	1.8	103
181	Ionic cyclodextrins in ionic liquid matrices as chiral stationary phases for gas chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 5261-5273.	1.8	77
182	Aggregation-induced sensitization in aqueous solutions of Al <sup>3+</sup> -chrome azurol S complexes and ionic liquids based on 1-alkyl-3-methylimidazolium bromide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 362, 77-83.	2.3	1
183	Electrochemical DNA biosensor based on chitosan/nano-V <sub>2</sub> O <sub>5</sub> /MWCNTs composite film modified carbon ionic liquid electrode and its application to the LAMP product of <i>Yersinia enterocolitica</i> gene sequence. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1264-1270.	5.3	149

#	ARTICLE	IF	CITATIONS
184	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
185	Ionic Liquid-Based, Single-Drop Microextraction for Preconcentration of Cobalt Before Its Determination by Electrothermal Atomic Absorption Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 985-991.	0.7	31
187	Dispersive liquid-liquid microextraction based on ionic liquid in combination with high-performance liquid chromatography for the determination of bisphenol A in water. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 880-890.	1.8	21
189	Ionic liquid-coated Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles as an adsorbent of mixed hemimicelles solid-phase extraction for preconcentration of polycyclic aromatic hydrocarbons in environmental samples. <i>Analyst</i> , 2010, 135, 2426.	1.7	102
190	Ionic-liquid-based catch and release mass spectroscopy tags for enzyme monitoring. <i>Chemical Communications</i> , 2010, 46, 8968.	2.2	30
192	J-aggregation of ionic liquid solutions of meso-tetrakis(4-sulfonatophenyl)porphyrin. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1886-1894.	1.3	36
193	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
194	Separation and preconcentration system based on ultrasonic probe-assisted ionic liquid dispersive liquid-liquid microextraction for determination trace amount of chromium(VI) by electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2010, 81, 176-179.	2.9	124
195	Ionic liquid-based microwave-assisted extraction of rutin from Chinese medicinal plants. <i>Talanta</i> , 2010, 83, 582-590.	2.9	135
196	Salt Effect on the Aggregation Behavior of 1-Decyl-3-methylimidazolium Bromide in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1380-1387.	1.2	96
197	Supported Liquid Membranes and Their Modifications. , 2010, , 73-140.		29
198	Effect of Ionic Liquid on Prototropic and Solvatochromic Behavior of Fluorescein. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15042-15051.	1.2	37
199	High temperature imidazolium ionic polymer for gas chromatography. <i>Analytical Methods</i> , 2010, 2, 455.	1.3	13
200	Effects of the alkyl-chain length on the mixing state of imidazolium-based ionic liquid-methanol solutions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12316.	1.3	78
201	Partition of Substituted Benzenes between Hydrophobic Ionic Liquids and Water: Evaluation of Interactions between Substituents and Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 2160-2167.	1.0	12
202	Simultaneous analysis of phthalate esters and pyrethroid insecticides in water samples by temperature-controlled ionic liquid dispersive liquid-phase microextraction combined with high-performance liquid chromatography. <i>Analytical Methods</i> , 2011, 3, 1815.	1.3	30
203	[emim][etSO <sub>4</sub> ] as the Polar Phase in Low-Temperature-Stable Microemulsions. <i>Langmuir</i> , 2011, 27, 1635-1642.	1.6	27
204	Design of ionic liquids: an ecotoxicity ( <i>Vibrio fischeri</i> ) discrimination approach. <i>Green Chemistry</i> , 2011, 13, 1507.	4.6	130

#	ARTICLE	IF	CITATIONS
205	Multianalyte Determination Versus One-at-a-Time Methodologies. <i>Comprehensive Analytical Chemistry</i> , 2011, , 121-156.	0.7	6
206	Moving from Wastes to Clean Wastes. <i>Comprehensive Analytical Chemistry</i> , 2011, , 185-205.	0.7	0
207	Ultrasound assisted rapid synthesis of ionic liquids. , 2011, , .		1
208	Densities of 1-Butyl-3-methylimidazolium Hexafluorophosphate + Poly(ethylene glycol) in the Temperature Range (283.15 to 363.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 2168-2174.	1.0	24
209	New Insight into Molecular Interactions of Imidazolium Ionic Liquids with Bovine Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12306-12314.	1.2	221
210	Electrochemical deoxyribonucleic acid biosensor based on the self-assembly film with nanogold decorated on ionic liquid modified carbon paste electrode. <i>Analytica Chimica Acta</i> , 2011, 704, 133-138.	2.6	53
211	Ionic liquid-based dispersive liquid-liquid microextraction and enhanced spectrophotometric determination of molybdenum (VI) in water and plant leaves samples by FO-LADS. <i>Food and Chemical Toxicology</i> , 2011, 49, 423-428.	1.8	61
212	Characterization of pathogenic bacteria using ionic liquid via single drop microextraction combined with MALDI-TOF MS. <i>Analyst</i> , The, 2011, 136, 4020.	1.7	32
213	Cold-Induced Aggregation Microextraction: A Novel Sample Preparation Technique Based on Ionic Liquids for Preconcentration of Cobalt Prior to Its Determination by Fiber Optic-Linear Array Detection Spectrophotometry in Real Water Samples. , 2011, , .		0
214	Flame Atomic Absorption Determination of Trace Amounts of Cadmium After Preconcentration Using a Thiol-Containing Task-Specific Ionic Liquid. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 959-967.	0.7	23
215	Polymerization of Cyclodextrin-Ionic Liquid Complexes for the Removal of Organic and Inorganic Contaminants from Water. , 0, , .		0
216	Cu(II) Extraction in Ionic Liquids and Chlorinated Solvents: Temperature Effect. <i>Green and Sustainable Chemistry</i> , 2011, 01, 155-164.	0.8	9
217	Simultaneous Derivatization and Extraction of Primary Short-chain Aliphatic Amines Using an Ultrasonic-mixed Water-ionic Liquid Two-phase System for Liquid Chromatography. <i>Analytical Sciences</i> , 2011, 27, 43-47.	0.8	4
218	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
219	Ionic liquids as a tool for determination of metals and organic compounds in food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1598-1619.	5.8	63
220	Aggregation behavior of a model ionic liquid surfactant in monosaccharide+water solutions. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 388-394.	5.0	12
221	Comparison of the performance of conventional, temperature-controlled, and ultrasound-assisted ionic liquid dispersive liquid-liquid microextraction combined with high-performance liquid chromatography in analyzing pyrethroid pesticides in honey samples. <i>Journal of Chromatography A</i> , 2011, 1218, 6621-6629.	1.8	110
222	Ionic liquid mediated sol-gel sorbents for hollow fiber solid-phase microextraction of pesticide residues in water and hair samples. <i>Journal of Chromatography A</i> , 2011, 1218, 8313-8321.	1.8	71

#	ARTICLE	IF	CITATIONS
223	Electrochemical Generation of Superoxide Ion in Ionic Liquid 1-(3-Methoxypropyl)-1-Methylpiperidinium Bis (Trifluoromethylsulfonyl) Imide. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012028.	0.3	3
224	Direct Electrochemistry and Electrocatalysis of Myoglobin with Ionic Liquid through Multilayers Film on Carbon Ionic Liquid Electrode. Journal of the Chinese Chemical Society, 2011, 58, 930-936.	0.8	7
225	Replacement of Hazardous Solvents and Reagents in Analytical Chemistry. RSC Green Chemistry, 2011, , 44-62.	0.0	9
226	Chapter 9. Green Analytical Chemistry in the Determination of Organic Pollutants in the Environment. RSC Green Chemistry, 2011, , 224-285.	0.0	1
227	Ionic Liquids: Predictions of Physicochemical Properties with Experimental and/or DFT-Calculated LFER Parameters To Understand Molecular Interactions in Solution. Journal of Physical Chemistry B, 2011, 115, 6040-6050.	1.2	58
228	Separation of four bioactive compounds from <i>Herba artemisiae scopariae</i> by HPLC with ionic liquid-based silica column. Journal of Analytical Chemistry, 2011, 66, 580-585.	0.4	15
229	Determination of Aluminum Ion with Morin in a Medium Comprised by Ionic Liquidâ€“Water Mixtures. Journal of Fluorescence, 2011, 21, 43-50.	1.3	17
230	Determination of trace silver in environmental samples by room temperature ionic liquid-based preconcentration and flame atomic absorption spectrometry. Mikrochimica Acta, 2011, 175, 333-339.	2.5	12
231	SPE of Tanshinones from <i>Salvia miltiorrhiza</i> Bunge by using Imprinted Functionalized Ionic Liquid-Modified Silica. Chromatographia, 2011, 73, 25-31.	0.7	36
232	Determination of Pyridinium Ionic Liquid Cations by Reversed Phase Ion-Pair Chromatography Using Gradient Elution. Chromatographia, 2011, 73, 367-371.	0.7	15
233	Molecular imprinting in ionic liquid-modified porous polymer for recognitive separation of three tanshinones from <i>Salvia miltiorrhiza</i> Bunge. Analytical and Bioanalytical Chemistry, 2011, 399, 2495-2502.	1.9	61
234	Predicting the partitioning of biological compounds between room-temperature ionic liquids and water by means of the solvation-parameter model. Analytical and Bioanalytical Chemistry, 2011, 399, 2807-2820.	1.9	16
235	Comparison of different sample treatments for the analysis of ochratoxin A in wine by capillary HPLC with laser-induced fluorescence detection. Analytical and Bioanalytical Chemistry, 2011, 401, 2987-2994.	1.9	32
236	Solvent effects of ionic liquids: investigation of ferrocenes as electrochemical probes. Journal of Physical Organic Chemistry, 2011, 24, 327-334.	0.9	26
237	Quantitation of antioxidants in water samples using ionic liquid dispersive liquidâ€“liquid microextraction followed by highâ€“performance liquid chromatographyâ€“ultraviolet detection. Journal of Separation Science, 2011, 34, 77-82.	1.3	20
238	Chromatographic determination of biogenic amines in wines after treatment with ionic liquids as novel media. Journal of Separation Science, 2011, 34, 1055-1062.	1.3	17
239	Development of an ionic liquidâ€“based dispersive liquidâ€“liquid microâ€“extraction method for the determination of phthalate esters in water samples. Journal of Separation Science, 2011, 34, 1503-1507.	1.3	52
240	Analysis of carbohydrates and glycoconjugates by matrixâ€“assisted laser desorption/ionization mass spectrometry: An update for the period 2005â€“2006. Mass Spectrometry Reviews, 2011, 30, 1-100.	2.8	76

#	ARTICLE	IF	CITATIONS
241	Gold Nanoparticles and Hydrophobic Ionic Liquid Applied on the Development of a Voltammetric Biosensor for Polyphenol Determination. <i>Electroanalysis</i> , 2011, 23, 1124-1133.	1.5	27
242	A Facile and Specific Approach to New Liquid Chromatography Adsorbents Obtained by Ionic Self-Assembly. <i>Chemistry - A European Journal</i> , 2011, 17, 7288-7297.	1.7	37
243	High temperature and highly selective stationary phases of ionic liquid bonded polysiloxanes for gas chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 833-841.	1.8	42
244	Preparation and characterization of novel crown ether functionalized ionic liquid-based solid-phase microextraction coatings by sol-gel technology. <i>Journal of Chromatography A</i> , 2011, 1218, 3571-3580.	1.8	63
245	Ionic liquid-based liquid phase microextraction with direct injection for capillary electrophoresis. <i>Journal of Chromatography A</i> , 2011, 1218, 1347-1352.	1.8	35
246	Effective indirect enrichment and determination of nitrite ion in water and biological samples using ionic liquid-dispersive liquid-liquid microextraction combined with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 3595-3600.	1.8	95
247	Aggregation of imidazolium based ionic liquids in binary methanol-water solvents: A linear solvation free energy relationship study. <i>Journal of Molecular Liquids</i> , 2011, 160, 35-39.	2.3	26
248	Ionic liquid as a complexation and extraction medium combined with high-performance liquid chromatography in the evaluation of chromium(VI) and chromium(III) speciation in wastewater samples. <i>Microchemical Journal</i> , 2011, 98, 200-203.	2.3	42
249	Ionic liquid based ultrasonic assisted extraction of isoflavones from <i>Iris tectorum Maxim</i> and subsequently separation and purification by high-speed counter-current chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 975-980.	1.2	47
250	Novel Geminal Dicationic Ionic Liquid as Stationary Phase for Capillary Gas Chromatography. <i>Advanced Materials Research</i> , 0, 382, 477-480.	0.3	6
251	Ionic liquid-based microextraction: A sample pretreatment technique for chromatographic analysis. <i>European Journal of Chemistry</i> , 2011, 2, 282-288.	0.3	13
252	An Improved Ionic Liquid-Based Headspace Single-Drop Microextraction-Liquid Chromatography Method for the Analysis of Camphor and Trans-Anethole in Compound Liquorice Tablets. <i>Journal of Chromatographic Science</i> , 2012, 50, 457-463.	0.7	13
253	Ionic Liquid-Based Microwave-Assisted Extraction of Flavonoids from <i>Bauhinia championii</i> (Benth.) Benth.. <i>Molecules</i> , 2012, 17, 14323-14335.	1.7	55
254	Ionic liquid as hollow fibre membrane carrier for extraction of fluoroquinolone antibiotics in milk coupled with high-performance liquid chromatography quantification. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1036-1045.	1.8	6
255	SOLID PHASE EXTRACTION OF THREE PHENOLIC ACIDS FROM <i>SALICONIA 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
256	An ionic liquid-based sorbent for solid phase extraction of trace iron(II) from biological and natural water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1250-1261.	1.8	6
257	A Solid-Cladding/Liquid-Core/Liquid-Cladding Sandwich Optical Waveguide for the Study of Dynamic Extraction of Dye by Ionic Liquid BmimPF <sub>6</sub> . <i>Applied Spectroscopy</i> , 2012, 66, 798-802.	1.2	10
258	Binding Analysis of 1-Alkyl-3-methylimidazolium Ions to Nonionic Surfactant Micelles by Capillary Zone Electrophoresis. <i>Bunseki Kagaku</i> , 2012, 61, 649-654.	0.1	2

#	ARTICLE	IF	CITATIONS
259	Ionic Liquids as Green Solvents: Progress and Prospects. , 2012, , 1-32.		53
260	Trace Determination of Dichlorvos in Environmental Samples by Room Temperature Ionic Liquid-Based Dispersive Liquid-Phase Microextraction Combined with HPLC. <i>Journal of Chromatographic Science</i> , 2012, 50, 702-708.	0.7	11
261	Ionic liquids in solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 15-26.	5.8	98
262	Ionic-liquid-based MS probes for the chemo-enzymatic synthesis of oligosaccharides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7091.	1.5	26
263	Fabrication and Application of a Sensitive and Highly Stable Copper Hexacyanoferrate Modified Carbon Ionic Liquid Paste Electrode for Hydrogen Peroxide and Glucose Detection. <i>Electroanalysis</i> , 2012, 24, 2165-2175.	1.5	14
264	Role of Counteranions in Solâ€“Gel-Derived Alkoxy-Functionalized Ionic-Liquid-Based Organicâ€“Inorganic Hybrid Coatings for SPME. <i>Chromatographia</i> , 2012, 75, 1421-1433.	0.7	20
265	Volumetric and Viscosity Properties for the Binary Mixtures of 1-Octyl-3-methylimidazolium Tetrafluoroborate with Butanone or Alkyl Acetates. <i>Journal of Solution Chemistry</i> , 2012, 41, 2246-2256.	0.6	13
266	Use of thermal desorptionâ€“gas chromatographyâ€“mass spectrometry (TDâ€“GCâ€“MS) on identification of odorant emission focus by volatile organic compounds characterisation. <i>Chemosphere</i> , 2012, 89, 1426-1436.	4.2	40
267	Pre-concentration and determination of amitriptyline residues in waste water by ionic liquid based immersed droplet microextraction and HPLC. <i>Journal of Pharmaceutical Analysis</i> , 2012, 2, 361-365.	2.4	33
268	Development of classification and regression models for <i>Vibrio fischeri</i> toxicity of ionic liquids: green solvents for the future. <i>Toxicology Research</i> , 2012, 1, 186.	0.9	47
270	High Ionic Liquid Concentration-Induced Structural Change of Protein in Aqueous Solution: A Case Study of Lysozyme. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11092-11097.	1.2	93
271	Dispersive liquidâ€“liquid microextraction and preconcentration of thallium species in water samples by two ionic liquids applied as ion-pairing reagent and extractant phase. <i>Talanta</i> , 2012, 88, 277-283.	2.9	54
272	Preconcentration and speciation of trace amounts of chromium in saline samples using temperature-controlled microextraction based on ionic liquid as extraction solvent and determination by electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2012, 99, 758-766.	2.9	72
273	Ultrasound-assisted ionic liquid/ionic liquid-dispersive liquidâ€“liquid microextraction for the determination of sulfonamides in infant formula milk powder using high-performance liquid chromatography. <i>Talanta</i> , 2012, 99, 875-882.	2.9	79
274	Biodegradability of fluoroorganic and cyano-based ionic liquid anions under aerobic and anaerobic conditions. <i>Green Chemistry</i> , 2012, 14, 410-418.	4.6	39
275	Application of ionic liquids in the microwave-assisted extraction of quercetin from Chinese herbal medicine. <i>Analytical Methods</i> , 2012, 4, 1012.	1.3	18
276	Micro- and nanostructures and their application in gas chromatography. <i>Analyst, The</i> , 2012, 137, 3195.	1.7	12
277	Selective determination of inorganic cobalt in nutritional supplements by ultrasound-assisted temperature-controlled ionic liquid dispersive liquid phase microextraction and electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2012, 713, 56-62.	2.6	58



#	ARTICLE	IF	CITATIONS
278	Phosphonium-based ionic liquids in electrokinetic capillary chromatography for the separation of neutral analytes. <i>Journal of Chromatography A</i> , 2012, 1253, 171-176.	1.8	20
279	On-line ionic liquid-based dynamic microwave-assisted extraction-high performance liquid chromatography for the determination of lipophilic constituents in root of <i>Salvia miltiorrhiza</i> Bunge. <i>Journal of Separation Science</i> , 2012, 35, 2813-2821.	1.3	17
280	Application of ionic liquid in liquid phase microextraction technology. <i>Journal of Separation Science</i> , 2012, 35, 2949-2961.	1.3	95
281	Determination of malachite green and crystal violet in environmental water using temperature-controlled ionic liquid dispersive liquid-liquid microextraction coupled with high performance liquid chromatography. <i>Analytical Methods</i> , 2012, 4, 429-433.	1.3	46
282	Magnetic retrieval of ionic liquids: Fast dispersive liquid-liquid microextraction for the determination of benzoylurea insecticides in environmental water samples. <i>Journal of Chromatography A</i> , 2012, 1254, 23-29.	1.8	115
283	Recent Advances in Solvent Extraction Processes and Techniques. , 2012, , 483-524.		2
285	Advances in analytical chemistry using the unique properties of ionic liquids. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 39, 218-227.	5.8	92
286	Room-temperature ionic liquid-based electrochemical nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 58-74.	5.8	43
287	Determination of enantiomer compositions of propranolol enantiomers by chiral ionic liquid as a chiral selector and the UV-assisted spectrophotometric method. <i>Analytical Methods</i> , 2012, 4, 2283.	1.3	22
288	(CdSe/ZnS QDs)-ionic liquid-based headspace single drop microextraction for the fluorimetric determination of trimethylamine in fish. <i>Analyst</i> , 2012, 137, 1152.	1.7	29
289	Application of ionic liquid matrices in spectral analysis of poly(lactide) - solid state NMR spectroscopy versus matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry. <i>Analytical Methods</i> , 2012, 4, 377-383.	1.3	13
290	Coupling of microextraction by packed sorbents with gas chromatography with ionic liquid stationary phases for the determination of haloanisoles in wines. <i>Journal of Chromatography A</i> , 2012, 1260, 200-205.	1.8	18
291	In-situ ionic liquid-based microwave-assisted dispersive liquid-liquid microextraction of triazine herbicides. <i>Mikrochimica Acta</i> , 2012, 178, 341-347.	2.5	41
292	Sequential injection ionic liquid dispersive liquid-liquid microextraction for thallium preconcentration and determination with flame atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 685-691.	1.9	54
293	Ionic liquids in microextraction techniques. <i>Open Chemistry</i> , 2012, 10, 652-674.	1.0	42
294	Chromatographic determination of hydrophobicity of dialkylimidazolium ionic liquids using selected stationary phase. <i>Journal of Separation Science</i> , 2012, 35, 1123-1131.	1.3	8
295	Comparison of different imidazolium supported ionic liquid polymeric phases with strong anion-exchange character for the extraction of acidic pharmaceuticals from complex environmental samples. <i>Journal of Separation Science</i> , 2012, 35, 1953-1958.	1.3	20
296	A Membrane Free Amperometric Gas Sensor Based on Room Temperature Ionic Liquids for the Selective Monitoring of NO <sub>x</sub> . <i>Electroanalysis</i> , 2012, 24, 865-871.	1.5	33

#	ARTICLE	IF	CITATIONS
297	Rational design of heteropolyacid-based nanosorbent for hollow fiber solid phase microextraction of organophosphorus residues in hair samples. <i>Journal of Chromatography A</i> , 2012, 1225, 37-44.	1.8	42
298	Development of a solid-phase microextraction fiber by chemical binding of polymeric ionic liquid on a silica coated stainless steel wire. <i>Journal of Chromatography A</i> , 2012, 1230, 8-14.	1.8	98
299	Determination of benzothiazoles and benzotriazoles by using ionic liquid stationary phases in gas chromatography mass spectrometry. Application to their characterization in wastewaters. <i>Journal of Chromatography A</i> , 2012, 1230, 117-122.	1.8	52
300	Stir bar sorptive extraction and high performance liquid chromatographic determination of carvedilol in human serum using two different polymeric phases and an ionic liquid as desorption solvent. <i>Journal of Chromatography A</i> , 2012, 1236, 1-6.	1.8	46
301	MALDI-TOF mass spectrometry detection of extra-virgin olive oil adulteration with hazelnut oil by analysis of phospholipids using an ionic liquid as matrix and extraction solvent. <i>Food Chemistry</i> , 2012, 134, 1192-1198.	4.2	93
302	Synthesis and characterization of the efficient visible-light-induced photocatalyst AgBr and its photodegradation activity. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 523-529.	1.9	28
303	Temperature controlled ionic liquid-dispersive liquid phase microextraction for determination of trace lead level in blood samples prior to analysis by flame atomic absorption spectrometry with multivariate optimization. <i>Microchemical Journal</i> , 2012, 101, 5-10.	2.3	82
304	Ionic liquid surfactant sensitized spectroscopic method for the determination of zinc. <i>Journal of Molecular Liquids</i> , 2012, 166, 17-21.	2.3	11
305	Laser-induced fluorescence and infrared spectroscopic studies on the specific solvation of tris(1-(2-thienyl)-4,4,4-trifluoro-1,3-butanedionato)europium(III) in an ionic liquid. <i>Polyhedron</i> , 2012, 31, 748-753.	1.0	31
306	Multi-phase Extraction of Glycoraphanin from Broccoli Using Aminium Ionic Liquid-based Silica. <i>Phytochemical Analysis</i> , 2013, 24, 81-86.	1.2	10
307	Exploring Spectroscopic and Physicochemical Properties of New Fluorescent Ionic Liquids. <i>Journal of Fluorescence</i> , 2013, 23, 251-257.	1.3	6
308	Extraction-separation of Eu(III) and Th(IV) ions from nitrate media into a room-temperature ionic liquid. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 221-227.	1.2	13
309	Conductometric study of binary systems based on ionic liquids and acetonitrile in a wide concentration range. <i>Electrochimica Acta</i> , 2013, 105, 188-199.	2.6	77
310	Comparison of two ultrasound-enhanced microextractions combined with HPLC for determining acaricides in water. <i>Journal of Separation Science</i> , 2013, 36, 2196-2202.	1.3	9
311	Electromigration Techniques. Springer Series in Chemical Physics, 2013, , .	0.2	17
312	Aggregation behavior of alkyl triphenyl phosphonium bromides in aprotic and protic ionic liquids. <i>Colloid and Polymer Science</i> , 2013, 291, 2375-2384.	1.0	19
313	Speciation of arsenite and arsenate by electrothermal AAS following ionic liquid dispersive liquid-liquid microextraction. <i>Mikrochimica Acta</i> , 2013, 180, 415-421.	2.5	41
314	Development of Micellar to Solvent Stacking On-line Preconcentration Technique in Capillary Electrophoresis. <i>Chinese Journal of Analytical Chemistry</i> , 2013, 41, 1939-1946.	0.9	7

#	ARTICLE	IF	CITATIONS
315	Dispersive micro-solid phase extraction based on self-assembling, ionic liquid-coated magnetic particles for the determination of clofentezine and chlorfenapyr in environmental water samples. <i>Analyst</i> , The, 2013, 138, 6834.	1.7	28
316	Ionic Liquids as Mobile Phase Additives for Feasible Assay of Naphazoline in Pharmaceutical Formulation by HPTLC-UV-Densitometric Method. <i>Journal of Chromatographic Science</i> , 2013, 51, 560-565.	0.7	26
317	Recent developments and future trends in solid phase microextraction techniques towards green analytical chemistry. <i>Journal of Chromatography A</i> , 2013, 1321, 1-13.	1.8	234
318	Green and expeditious synthesis of 1,8-dioxodecahydroacridine derivatives catalysed by protic pyridinium ionic liquid. <i>Journal of Chemical Sciences</i> , 2013, 125, 1517-1522.	0.7	19
319	Room Temperature Ionic Liquid-Based Dispersive Liquid Phase Microextraction for the Separation/Preconcentration of Trace Cd <sup>2+</sup> as 1-(2-pyridylazo)-2-naphthol (PAN) Complex from Environmental and Biological Samples and Determined by FAAS. <i>Biological Trace Element Research</i> , 2013, 156, 49-55.	1.9	27
320	A simple ligandless microextraction method based on ionic liquid for the determination of trace cadmium in water and biological samples. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1069-1079.	0.6	11
321	Room temperature ionic liquids and ammonium pyrrolidine dithiocarbamate synergetically enhanced the determination of zinc by chemical vapor generation coupled with flame atomic absorption spectrometry. <i>Analytical Methods</i> , 2013, 5, 1564.	1.3	11
322	Application of Ionic Liquids in Liquid Chromatography and Electrodriven Separation. <i>Journal of Chromatographic Science</i> , 2013, 51, 739-752.	0.7	41
323	Sensitive determination of thallium species in drinking and natural water by ionic liquid-assisted ion-pairing liquid-liquid microextraction and inductively coupled plasma mass spectrometry. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 380-386.	6.5	57
324	Ionic Liquid as an Efficient Modulator on Artificial Enzyme System: Toward the Realization of High-Temperature Catalytic Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 4207-4210.	6.6	102
325	Protic pyridinium ionic liquid as a green and highly efficient catalyst for the synthesis of polyhydroquinoline derivatives via Hantzsch condensation in water. <i>Journal of Molecular Liquids</i> , 2013, 177, 44-48.	2.3	90
326	Influence of ionic liquids as electrolyte additives on chiral separation of dansylated amino acids by using $Zn(II)$ complex mediated chiral ligand exchange $CE$ . <i>Journal of Separation Science</i> , 2013, 36, 886-891.	1.3	14
327	Arsenic speciation analysis in mono-varietal wines by on-line ionic liquid-based dispersive liquid-liquid microextraction. <i>Food Chemistry</i> , 2013, 138, 484-490.	4.2	66
328	Aggregation Behavior of Aqueous Solutions of 1-Dodecyl-3-methylimidazolium Salts with Different Halide Anions. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 1529-1534.	1.0	51
329	The 12 principles of green analytical chemistry and the SIGNIFICANCE mnemonic of green analytical practices. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 50, 78-84.	5.8	1,293
330	Biomass derived ionic liquids: synthesis from natural organic acids, characterization, toxicity, biodegradation and use as solvents for catalytic hydrogenation processes. <i>Tetrahedron</i> , 2013, 69, 6150-6161.	1.0	78
331	Silica Gel Supported Hydrophobic Ionic Liquid for Selective Extraction and Determination of Coumarin. <i>American Journal of Analytical Chemistry</i> , 2013, 04, 8-16.	0.3	12
332	Recent developments of ionic liquids in oligosaccharide synthesis: the sweet side of ionic liquids. <i>Carbohydrate Research</i> , 2013, 375, 35-46.	1.1	55

#	ARTICLE	IF	CITATIONS
333	Determination of triazole pesticides in rat blood by the combination of ultrasound-enhanced temperature-controlled ionic liquid dispersive liquid-liquid microextraction coupled to high-performance liquid chromatography. <i>Analytical Methods</i> , 2013, 5, 2241.	1.3	27
334	Ionic liquid-based magnetic solid phase extraction coupled with inductively coupled plasma-optical emission spectrometry for the determination of Cu, Cd, and Zn in biological samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1110.	1.6	23
335	Design and performance evaluation of ionic liquid-based microwave-assisted simultaneous extraction of kaempferol and quercetin from Chinese medicinal plants. <i>Analytical Methods</i> , 2013, 5, 2591.	1.3	14
337	Semiconductor nanocrystals dispersed in imidazolium-based ionic liquids: a spectroscopic and morphological investigation. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	5
338	Polymer-supported ionic liquid solid phase extraction for trace inorganic and organic mercury determination in water samples by flow injection-cold vapor atomic absorption spectrometry. <i>Talanta</i> , 2013, 116, 133-140.	2.9	53
339	The present state of coupling of dispersive liquid-liquid microextraction with atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 19-32.	1.6	57
340	Densities and viscosities of imidazolium and pyridinium chloroaluminate ionic liquids. <i>Journal of Molecular Liquids</i> , 2013, 177, 85-93.	2.3	47
341	Determination of Organochlorine Pesticides in Water Samples through Hollow Fiber Membrane-Liquid Phase Microextraction Using Ionic Liquid Material as Extractant. <i>Advanced Materials Research</i> , 2013, 675, 260-263.	0.3	1
342	Ultrasonic-Assisted Extraction of Procyanidins Using Ionic Liquid Solution from <i>Larix gmelinii</i> Bark. <i>Journal of Chemistry</i> , 2013, 2013, 1-9.	0.9	15
343	Tetrabutylammonium prolinatate-based ionic liquids: a combined asymmetric catalysis, antimicrobial toxicity and biodegradation assessment. <i>RSC Advances</i> , 2013, 3, 26241.	1.7	47
344	Click Reactions as a Key Step for an Efficient and Selective Synthesis of D-Xylose-Based ILs. <i>Molecules</i> , 2013, 18, 11512-11525.	1.7	19
345	Permeation of Succinic Acid through Supported Ionic Liquid Membranes. <i>Journal of Chemical Engineering of Japan</i> , 2013, 46, 383-388.	0.3	10
346	Permeation Mechanism of Succinic Acid through Polymer Inclusion Membranes with Ionic Liquid Aliquat 336. <i>Journal of Chemical Engineering of Japan</i> , 2014, 47, 314-318.	0.3	12
347	Liquid-Phase Extraction and Microextraction. , 2014, , 107-152.		3
348	A new imidazolium ionic polymer as a gas chromatography stationary phase for separation of high and wide temperature range complex samples. <i>RSC Advances</i> , 2014, 4, 53828-53832.	1.7	4
349	Colorimetric Au Nanoparticle Probe for Speciation Test of Arsenite and Arsenate Inspired by Selective Interaction between Phosphonium Ionic Liquid and Arsenite. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19833-19839.	4.0	35
350	Ionic liquids as stationary phases in gas chromatography: Determination of chlorobenzenes in soils. <i>Journal of Separation Science</i> , 2014, 37, 1448-1455.	1.3	4
351	1-ALKYL-3-METHYLIMIDAZOLIUM TETRAFLUOROBORATE AS AN ALTERNATIVE MOBILE PHASE ADDITIVES FOR DETERMINATION OF HALOPERIDOL IN PHARMACEUTICAL FORMULATION BY HPTLC UV DENSITOMETRIC METHOD. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 1524-1534.	0.5	5

#	ARTICLE	IF	CITATIONS
352	Aggregation in Systems of Ionic Liquids. Structure and Bonding, 2014, , 39-77.	1.0	16
353	Recent advances of ionic liquids and polymeric ionic liquids in capillary electrophoresis and capillary electrochromatography. Journal of Chromatography A, 2014, 1357, 147-157.	1.8	69
354	QSPR prediction of gas-to-ionic liquid partition coefficient of organic solutes dissolved in 1-(2-hydroxyethyl)-1-methylimidazolium tris(pentafluoroethyl)trifluorophosphate using the replacement method and support vector regression. Journal of Molecular Liquids, 2014, 196, 43-51.	2.3	14
355	Unusual solvatochromic absorbance probe behaviour within mixtures of poly(ethylene Terephthalate) and ionic liquids. Journal of Molecular Liquids, 2014, 196, 43-51.	2.0	11
356	Vortex-assisted ionic liquid based liquid-liquid microextraction of selected pesticides from a manufacturing wastewater sample. Open Chemistry, 2014, 12, 98-106.	1.0	5
357	Dispersive liquid-liquid microextraction in food analysis. A critical review. Analytical and Bioanalytical Chemistry, 2014, 406, 2067-2099.	1.9	179
358	Fe <sub>3</sub> O <sub>4</sub> @ionic liquid@methyl orange nanoparticles as a novel nano-adsorbent for magnetic solid-phase extraction of polycyclic aromatic hydrocarbons in environmental water samples. Talanta, 2014, 119, 341-347.	2.9	77
359	Ionic liquid-based ultrasound-assisted surfactant-emulsified microextraction for simultaneous determination of three important flavoring compounds in plant extracts and urine samples. Food Research International, 2014, 62, 761-770.	2.9	30
360	Temperature-induced aggregation ionic liquid dispersive liquid-liquid microextraction method for separation trace amount of cobalt ion. Journal of Analytical Chemistry, 2014, 69, 503-508.	0.4	11
361	Ionic Liquids and Deep Eutectic Mixtures: Sustainable Solvents for Extraction Processes. ChemSusChem, 2014, 7, 1784-1800.	3.6	349
362	Two highly stable and selective solid phase microextraction fibers coated with crown ether functionalized ionic liquids by different sol-gel reaction approaches. Analytica Chimica Acta, 2014, 806, 152-164.	2.6	30
363	Green aspects, developments and perspectives of liquid phase microextraction techniques. Talanta, 2014, 119, 34-45.	2.9	285
364	Determination of Solubility Parameters of Ionic Liquids and Ionic Liquid/Solvent Mixtures from Intrinsic Viscosity. ChemPhysChem, 2014, 15, 3580-3591.	1.0	38
365	Determination of Halide Impurities in Ionic Liquids by Total Reflection X-ray Fluorescence Spectrometry. Analytical Chemistry, 2014, 86, 3931-3938.	3.2	45
366	Insights into water coordination associated with the Cu <sup>II</sup> /Cu <sup>I</sup> electron transfer at a biomimetic Cu centre. Dalton Transactions, 2014, 43, 6436-6445.	1.6	16
367	Determination of polycyclic aromatic hydrocarbons in water samples by temperature-controlled ionic liquid dispersive liquid-liquid microextraction combined with high performance liquid chromatography. Analytical Methods, 2014, 6, 2553.	1.3	20
368	A novel urea-functionalized surface-confined octadecylimidazolium ionic liquid silica stationary phase for reversed-phase liquid chromatography. Journal of Chromatography A, 2014, 1365, 148-155.	1.8	27
369	Ionic Liquid@Carbon Nanotube Modified Screen-Printed Electrodes and Their Potential for Adsorptive Stripping Voltammetry. Electroanalysis, 2014, 26, 1886-1892.	1.5	7

#	ARTICLE	IF	CITATIONS
370	Effects of solubility properties of solvents and biomass on biomass pretreatment. <i>Bioresource Technology</i> , 2014, 170, 160-166.	4.8	17
371	Ionic liquid-based microextraction techniques for trace-element analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 60, 54-70.	5.8	57
372	Magnetic and electric field assisted electrospun polyamide nanofibers for on-line 1/4-solid phase extraction and HPLC. <i>RSC Advances</i> , 2014, 4, 52590-52597.	1.7	23
373	In situ growth of IRMOF-3 combined with ionic liquids to prepare solid-phase microextraction fibers. <i>Analytica Chimica Acta</i> , 2014, 829, 22-27.	2.6	80
374	Ionic liquid modified carbon paste electrode and investigation of its electrocatalytic activity to hydrogen peroxide. <i>Bulletin of Materials Science</i> , 2014, 37, 617-622.	0.8	13
375	Thymopentin Magnetic Molecularly Imprinted Polymers with Room Temperature Ionic Liquids as a Functional Monomer by Surface-Initiated ATRP. <i>International Journal of Polymer Analysis and Characterization</i> , 2014, 19, 70-82.	0.9	16
376	Polymeric chain dependent anomalous solvatochromism of ionic liquid+poly(ethylene glycol) mixtures. <i>Fluid Phase Equilibria</i> , 2014, 382, 31-41.	1.4	8
377	Structural and interactional behaviour of aqueous mixture of room temperature ionic liquid; 2-hydroxyethyl-trimethylammonium lactate. <i>Journal of Chemical Thermodynamics</i> , 2014, 76, 134-144.	1.0	12
378	Solvatochromic Absorbance Probe Behavior within Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide + Molecular Organic Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 1755-1765.	1.0	35
379	Aggregation behavior of dodecyltriphenylphosphonium bromide in aqueous solution: Effect of aromatic ionic liquids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 457, 203-211.	2.3	8
380	Chiral ionic liquids in chromatographic and electrophoretic separations. <i>Journal of Chromatography A</i> , 2014, 1363, 2-10.	1.8	77
381	Ultraviolet Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry for Phosphopeptide Analysis with a Solidified Ionic Liquid Matrix. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 65-77.	0.5	3
382	Chemo-enzymatic synthesis of imidazolium-tagged sialyllactosamine probes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4329-4332.	1.0	16
383	Establishment and Evaluation of the Novel Tetramethylammonium- $\alpha$ -Hydroxyproline Chiral Ionic Liquid Synergistic System Based on Clindamycin Phosphate for Enantioseparation by Capillary Electrophoresis. <i>Chirality</i> , 2015, 27, 598-604.	1.3	21
384	Enhanced Horizontal Transfer of Antibiotic Resistance Genes in Freshwater Microcosms Induced by an Ionic Liquid. <i>PLoS ONE</i> , 2015, 10, e0126784.	1.1	12
385	Use of Amino Acid-Based Ionic Liquids in Capillary Electrophoresis. , 0, , .		1
386	Growth inhibition and effect on photosystem by three imidazolium chloride ionic liquids in rice seedlings. <i>Journal of Hazardous Materials</i> , 2015, 286, 440-448.	6.5	83
387	The effect of hydrophilic ionic liquid 1-butyl-2,3-dimethylimidazolium bromide on the aggregation behavior of tetradecyltrimethylammonium bromide in aqueous media. <i>Journal of Molecular Liquids</i> , 2015, 209, 6-13.	2.3	25

#	ARTICLE	IF	CITATIONS
388	Ionic Liquid as Green Solvent for Leaching of Polycyclic Aromatic Hydrocarbons from Petroleum Source Rock. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12960-12965.	1.8	11
389	Ionic liquid-based hollow fiber liquid-phase microextraction for the determination of trace lead (II) in environmental water and tea drinks samples by graphite furnace atomic absorption spectrometry. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 371-377.	1.2	11
390	A green and efficient in-syringe ionic liquid-based single step microextraction procedure for preconcentration and determination of cadmium in water samples. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 27, 149-152.	2.9	27
391	Gaining insight in the behaviour of imidazolium-based ionic liquids as additives in reversed-phase liquid chromatography for the analysis of basic compounds. <i>Journal of Chromatography A</i> , 2015, 1380, 96-103.	1.8	47
392	Development of an ionic liquid-based dispersive liquid-liquid microextraction method for the determination of antichagasic drugs in human breast milk: Optimization by central composite design. <i>Journal of Separation Science</i> , 2015, 38, 1591-1600.	1.3	18
393	Electrochemical lithiation of thin silicon based layers potentiostatically deposited from ionic liquid. <i>Electrochimica Acta</i> , 2015, 168, 403-413.	2.6	42
394	Organic solvent-free air-assisted liquid-liquid microextraction for optimized extraction of illegal azo-based dyes and their main metabolite from spices, cosmetics and human bio-fluid samples in one step. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 998-999, 15-25.	1.2	44
395	Modulating effect of ionic liquid 1-butyl-2,3-dimethylimidazolium chloride on micellization behaviour of cationic surfactant dodecyltrimethylammonium bromide in aqueous media. <i>Fluid Phase Equilibria</i> , 2015, 389, 67-73.	1.4	26
396	Perspectives on the replacement of harmful organic solvents in analytical methodologies: a framework toward the implementation of a generation of eco-friendly alternatives. <i>Green Chemistry</i> , 2015, 17, 3687-3705.	4.6	189
397	Versatile ligands for high-performance liquid chromatography: An overview of ionic liquid-functionalized stationary phases. <i>Analytica Chimica Acta</i> , 2015, 887, 1-16.	2.6	73
398	Determination of chlorophenols in red wine using ionic liquid countercurrent chromatography as a new pretreatment method followed by high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2015, 38, 2109-2116.	1.3	12
399	Nanofluid of zinc oxide nanoparticles in ionic liquid for single drop liquid microextraction of fungicides in environmental waters prior to high performance liquid chromatographic analysis. <i>Journal of Chromatography A</i> , 2015, 1395, 7-15.	1.8	69
400	On the use of ionic liquids as mobile phase additives in high-performance liquid chromatography. A review. <i>Analytica Chimica Acta</i> , 2015, 883, 1-21.	2.6	109
401	Ionic liquids in bioanalysis. <i>Bioanalysis</i> , 2015, 7, 2251-2264.	0.6	8
402	An ionic liquid improved HPLC-ICP-MS method for simultaneous determination of arsenic and selenium species in animal/plant-derived foodstuffs. <i>Analytical Methods</i> , 2015, 7, 8617-8625.	1.3	20
403	A comparative study of electrochemical degradation of imidazolium and pyridinium ionic liquids: A reaction pathway and ecotoxicity evaluation. <i>Separation and Purification Technology</i> , 2015, 156, 522-534.	3.9	38
404	Environmental Application, Fate, Effects, and Concerns of Ionic Liquids: A Review. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12611-12627.	4.6	384
405	Determination of trace levels of iron in serum samples of hepatitis B and C patients using dispersive liquid-liquid microextraction. <i>Analytical Methods</i> , 2015, 7, 9211-9217.	1.3	11

#	ARTICLE	IF	CITATIONS
406	Glucaminium ionic liquid-functionalized stationary phase for the separation of nucleosides in hydrophilic interaction chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7667-7672.	1.9	18
407	Magnetite nanoparticles coated with $\beta$ -cyclodextrin functionalized-ionic liquid: Synthesis and its preliminary investigation as a new sensing material. <i>Applied Surface Science</i> , 2015, 357, 543-550.	3.1	20
408	Aggregation behavior of dodecylsulfonate-based surface active ionic liquids in water. <i>Journal of Molecular Liquids</i> , 2015, 212, 23-29.	2.3	23
409	Simultaneous determination of three alkaloids in Huangbo using an ionic liquid as a mobile phase additive in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2015, 38, 374-380.	1.3	31
410	Hollow fiber supported ionic liquid membrane microextraction for speciation of mercury by high-performance liquid chromatography-inductively coupled plasma mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 1140-1146.	1.3	25
411	Electrode Material Properties and Modelling of 1-Methyl-3-octylimidazolium bis(trifluoromethylsulfonyl)imide Ionic Liquid/ Paraffin Carbon Pastes. <i>International Journal of Electrochemical Science</i> , 2016, , 4410-4426.	0.5	0
412	Comparison of ionic liquids and deep eutectic solvents as additives for the ultrasonic extraction of astaxanthin from marine plants. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 39, 87-92.	2.9	68
413	Surface adsorption and micelle formation of surfactant N-alkyl-N-methylmorpholinium bromide in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2016, 220, 442-447.	2.3	13
414	Evaluation of interaction between imidazolium-based chloride ionic liquids and calf thymus DNA. <i>Science of the Total Environment</i> , 2016, 566-567, 1-7.	3.9	12
415	Mixed hemimicelles solid-phase extraction of cephalosporins in biological samples with ionic liquid-coated magnetic graphene oxide nanoparticles coupled with high-performance liquid chromatographic analysis. <i>Journal of Chromatography A</i> , 2016, 1454, 1-8.	1.8	63
416	1-(1-Alkylsulfonic)-3-methylimidazolium chloride as a reusable Brønsted acid catalyst for the regioselective azidolysis of epoxides under solvent-free conditions. <i>Chinese Chemical Letters</i> , 2016, 27, 974-978.	4.8	17
417	Poly(guanidinium ionic liquid)s particles as affinity platform for highly selective enrichment of phosphopeptides. <i>RSC Advances</i> , 2016, 6, 41707-41713.	1.7	7
418	Acidic Ionic Liquids. <i>Chemical Reviews</i> , 2016, 116, 6133-6183.	23.0	662
419	Performance of amines as silanol suppressors in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1465, 98-106.	1.8	26
420	Structural behavior of the lamellar mesophase formed by ternary mixtures of a two-tailed ionic liquid, 1-decanol and water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 174-181.	2.3	4
421	Ionic liquid based microextraction of targeted lipids from serum using UPLC-MS/MS with a chemometric approach: a pilot study. <i>RSC Advances</i> , 2016, 6, 91629-91640.	1.7	6
422	Vortex-assisted ionic liquid-based dispersive liquid-liquid microextraction for assessment of chromium species in artificial saliva extract of different chewing tobacco products. <i>Environmental Science and Pollution Research</i> , 2016, 23, 25288-25298.	2.7	20
423	Self-aggregation Behavior of Dialkyl Imidazolium based Ionic Liquids in Aqueous Medium: Effect of Alkyl Chain Length. <i>ChemistrySelect</i> , 2016, 1, 2458-2470.	0.7	16



#	ARTICLE	IF	CITATIONS
424	Ionic-liquid-based dispersive liquid-liquid microextraction combined with magnetic solid-phase extraction for the determination of aflatoxins B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , and G <sub>2</sub> in animal feeds by high-performance liquid chromatography with fluorescence detection. <i>Journal of Separation Science</i> , 2016, 39, 3789-3797.	1.3	37
425	Voltammetric sensors based on gel composites containing carbon nanotubes and an ionic liquid. <i>Journal of Analytical Chemistry</i> , 2016, 71, 814-822.	0.4	2
426	On the evaluation of density of ionic liquid binary mixtures: Modeling and data assessment. <i>Journal of Molecular Liquids</i> , 2016, 222, 745-751.	2.3	25
427	Silica gel/gold nanoparticles/(NS) <sub>2</sub> ligand nanoporous platform-modified ionic liquid carbon paste electrode for potentiometric ultratrace assessment of Ag(I). <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 2175-2188.	1.8	5
428	Surfactant and Gelation Properties of Acetylsalicylate Based Room Temperature Ionic Liquid in Aqueous Media. <i>Langmuir</i> , 2016, 32, 10000-10016.	1.6	18
429	The emission properties of bmimBF <sub>4</sub> determined using an HPLC system. Significant influence of emission of impurities. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 329, 1-8.	2.0	2
430	Successive Adsorption of Cations and Anions of Water-1-Butyl-3-methylimidazolium Methylsulfate Binary Mixtures at the Air-Liquid Interface Studied by Sum Frequency Generation Vibrational Spectroscopy and Surface Tension Measurements. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12032-12041.	1.5	23
431	Ionic-liquid-based dispersive liquid-liquid microextraction coupled with high-performance liquid chromatography for the forensic determination of methamphetamine in human urine. <i>Journal of Separation Science</i> , 2016, 39, 2444-2450.	1.3	38
432	Bioacervation extraction combined with dispersive solid phase extraction using a reversed-phase core-shell magnetic molecularly imprinted sorbent for 2,4-dichlorophenoxyacetic acid prior to its determination by HPLC. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1993-1999.	1.2	10
433	Use of ionic liquid based chitosan as sorbent for preconcentration of fluoroquinolones in milk, egg, fish, bovine, and chicken meat samples by solid phase extraction prior to HPLC determination. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 21-29.	0.5	23
434	Determination of Aromatic Amines Using Solid-Phase Microextraction Based on an Ionic Liquid-Mediated Sol-Gel Technique. <i>Journal of Chromatographic Science</i> , 2016, 54, 677-681.	0.7	18
435	Determination of Alternaria mycotoxins in wine and juice using ionic liquid modified countercurrent chromatography as a pretreatment method followed by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1436, 133-140.	1.8	52
436	Salt-induced ionic liquid dispersive liquid-liquid microextraction and filter separation. <i>Analytical Methods</i> , 2016, 8, 1096-1102.	1.3	15
437	Analytical Applications of Ionic Liquids in Chromatographic and Electrophoretic Separation Techniques. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 193-233.	0.4	2
438	A new dispersive liquid-liquid microextraction using ionic liquid based microemulsion coupled with cloud point extraction for determination of copper in serum and water samples. <i>Ecotoxicology and Environmental Safety</i> , 2016, 126, 186-192.	2.9	48
439	Dispersive liquid-liquid microextraction of silver nanoparticles in water using ionic liquid 1-octyl-3-methylimidazolium hexafluorophosphate. <i>Journal of Environmental Sciences</i> , 2016, 41, 211-217.	3.2	24
440	Ionic liquids for mass spectrometry: Matrices, separation and microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 122-138.	5.8	67
441	Cr speciation in water samples by dispersive liquid-liquid microextraction combined with total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 115, 46-51.	1.5	45

#	ARTICLE	IF	CITATIONS
442	Toward the dynamic phase transition mechanism of a thermoresponsive ionic liquid in the presence of different thermoresponsive polymers. <i>Soft Matter</i> , 2016, 12, 925-933.	1.2	13
443	Recent advances in microwave-assisted extraction of trace organic pollutants from food and environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 197-208.	5.8	85
444	Chemical vapor generation from an ionic liquid using a solid reductant: determination of Hg, As and Sb by atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 415-422.	1.6	21
445	Ionic liquid-based ultrasound-assisted extraction coupled with liquid chromatography to determine isoflavones in soy foods. <i>Journal of Food Composition and Analysis</i> , 2017, 57, 94-101.	1.9	27
446	Effects of imidazolium ionic liquid on cure characteristics, electrical conductivity and other related properties of epoxidized natural rubber vulcanizates. <i>European Polymer Journal</i> , 2017, 87, 344-359.	2.6	26
447	Ultrasonic-assisted extraction of sinomenine from <i>Sinomenium acutum</i> using magnetic ionic liquids coupled with further purification by reversed micellar extraction. <i>Process Biochemistry</i> , 2017, 58, 282-288.	1.8	35
448	Acceleration of microwave-assisted extraction processes of food components by integrating technologies and applying emerging solvents: A review of latest developments. <i>Trends in Food Science and Technology</i> , 2017, 67, 160-172.	7.8	126
449	Bis(trifluoromethylsulfonyl)imide-based frozen ionic liquid for the hollow-fiber solid-phase microextraction of dichlorodiphenyltrichloroethane and its main metabolites. <i>Journal of Separation Science</i> , 2017, 40, 3311-3317.	1.3	14
450	Introducing a new and rapid microextraction approach based on magnetic ionic liquids: Stir bar dispersive liquid microextraction. <i>Analytica Chimica Acta</i> , 2017, 983, 130-140.	2.6	72
451	A Simple Correlation for Estimating the Viscosity of Pure Ionic Liquids and Their Binary Mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 4600-4610.	1.8	9
452	Removal of naproxen from water by ionic liquid-modified polymer sorbents. <i>Chemical Engineering Research and Design</i> , 2017, 117, 698-705.	2.7	14
453	Extraction of natural products from bark of <i>Betula pendula</i> using ionic liquids. <i>Metabolomics</i> , 2017, 13, 1.	1.4	4
454	Effects of 1-alkyl-3-methylimidazolium bromide ionic liquids on the micellar properties of [butanediyl-1,4-bis(dimethyldodecylammonium bromide)] gemini surfactant in aqueous solution. <i>Colloid and Polymer Science</i> , 2017, 295, 2351.	1.0	10
455	Synthesis, Characterization, Surface Properties and Micellization Behaviour of Imidazolium-based Ionic Liquids. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1321-1335.	1.0	58
456	Green chemistry: Analytical and chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017, 40, 839-852.	0.5	58
457	Thin-layer chromatography in the analysis of surfactants: At a glance. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017, 40, 863-871.	0.5	4
458	Synthesis and study of interactions of ionic liquid 1-methyl-3-pentylimidazolium bromide with amino acids at different temperatures. <i>Journal of Molecular Liquids</i> , 2017, 242, 560-570.	2.3	23
459	Application of an immobilized ionic liquid for the passive sampling of perfluorinated substances in water. <i>Journal of Chromatography A</i> , 2017, 1515, 45-53.	1.8	35

#	ARTICLE	IF	CITATIONS
460	Protic ionic liquids as a versatile modulator and stabilizer in regulating artificial peroxidase activity of carbon materials for glucose colorimetric sensing. <i>Journal of Molecular Liquids</i> , 2017, 243, 333-340.	2.3	12
461	Ionic Liquidâ€“Liquid Chromatography: A New General Purpose Separation Methodology. <i>Topics in Current Chemistry</i> , 2017, 375, 74.	3.0	24
462	Study of Gas Dehydration Process by Ionic Liquid Method in a Rotating Packed Bed. <i>Energy &amp; Fuels</i> , 2017, 31, 13400-13405.	2.5	6
463	In situ solvent formation microextraction combined with magnetic dispersive microâ€“solidâ€“phase extraction for the determination of benzoylurea insecticides in water samples. <i>Journal of Separation Science</i> , 2017, 40, 442-448.	1.3	24
464	Acetic acid functionalized ionic liquid systems: An efficient and recyclable catalyst for the regioselective ring opening of epoxides with NaN <sub>3</sub> . <i>Comptes Rendus Chimie</i> , 2017, 20, 554-558.	0.2	14
465	Ionic Liquids as Grease Base Liquids. <i>Lubricants</i> , 2017, 5, 31.	1.2	10
466	Quantification of Meloxicam in Human Plasma Using Ionic Liquid-Based Ultrasound-Assisted In Situ Solvent Formation Microextraction Followed by High-Performance Liquid Chromatography. <i>Journal of Chromatographic Science</i> , 2018, 56, 443-451.	0.7	6
467	Transport Properties and Ion Aggregation in Mixtures of Room Temperature Ionic Liquids with Aprotic Dipolar Solvents. <i>Springer Proceedings in Physics</i> , 2018, , 67-109.	0.1	6
468	Electrofluidic Circuit-Based Microfluidic Viscometer for Analysis of Newtonian and Non-Newtonian Liquids under Different Temperatures. <i>Analytical Chemistry</i> , 2018, 90, 2317-2325.	3.2	24
469	Applications of ionic liquids in analytical chemistry with a particular emphasis on their use in solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 18-36.	5.8	85
470	Influence of hydrogen bond accepting ability of anions on the adsorption performance of ionic liquid surface molecularly imprinted polymers. <i>Journal of Chromatography A</i> , 2018, 1532, 40-49.	1.8	20
471	Isolation of Aflatoxin B1 from Moldy Foods by Solid-Phase Extraction Combined with Bifunctional Ionic Liquid-Based Silicas. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-7.	0.7	16
472	Metal Extraction with Ionic Liquids-Based Aqueous Two-Phase System. , 0, , .		5
473	Whole-Cell Biocatalysis in Ionic Liquids. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 168, 105-132.	0.6	2
474	Ab Initio Molecular Dynamics Simulations of Ionic Liquids. <i>Annual Reports in Computational Chemistry</i> , 2018, , 95-122.	0.9	8
475	Fabrications of novel solid phase microextraction fiber coatings based on new materials for high enrichment capability. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 135-153.	5.8	131
476	An approach to classification and hi-tech applications of room-temperature ionic liquids (RTILs): A review. <i>Journal of Molecular Liquids</i> , 2018, 271, 403-420.	2.3	78
477	Dielectric Insights into the Microcosmic Behavior of Ionic Liquid-Based Self-Assemblyâ€“Microemulsions/Micelles. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7170-7177.	1.2	8

#	ARTICLE	IF	CITATIONS
478	Ionic Liquid-Assisted Laser Desorption/Ionization <sup>+</sup> Mass Spectrometry: Matrices, Microextraction, and Separation. <i>Methods and Protocols</i> , 2018, 1, 23.	0.9	17
479	Ionic liquids on optical sensors for gaseous carbon dioxide. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5931-5939.	1.9	9
480	Quantification of eight active ingredients in crude and processed radix polygoni multiflori applying miniaturized matrix solid <sup>+</sup> phase dispersion microextraction followed by UHPLC. <i>Journal of Separation Science</i> , 2018, 41, 3486-3495.	1.3	11
481	Usefulness of ionic liquids as mobile phase modifiers in HPLC-CV-AFS for mercury speciation analysis in food. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 822-834.	1.6	16
482	Solid-phase extraction based on multi-walled carbon nanotube (MWCNT) sorbents combined with bio-coacervation extraction for the determination of atrazine from water samples followed by HPLC analysis. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 2395-2400.	1.2	8
483	Extraction and Recovery of Cerium from Rare Earth Ore by Solvent Extraction. , 0, , .		7
485	Thermodynamic and spectroscopic studies on cationic surfactant tetradecyltrimethylammonium bromide in aqueous solution of trisubstituted ionic liquid 1, 2-dimethyl-3-octylimidazolium chloride at different temperatures. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 1696-1704.	1.3	4
486	Insight into conformationally-dependent binding of 1- <i>n</i> -alkyl-3-methylimidazolium cations to porphyrin molecules using quantum mechanical calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10095-10104.	1.3	4
487	Solvatochromism of Binary Mixtures of 2,2,2-Trifluoroethanol + Ionic Liquid [bmim][Tf <sub>2</sub> N]: A Comparative Study with Molecular Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 1140-1154.	1.0	13
488	Partition studies on cobalt and recycling of valuable metals from waste Li-ion batteries via solvent extraction and chemical precipitation. <i>Journal of Cleaner Production</i> , 2019, 225, 820-832.	4.6	109
489	Developed a modified liquid <sup>+</sup> liquid micro-extraction method for the preconcentration of cadmium in groundwater samples of aquifers at different depth in a coal mining area. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-12.	1.8	12
491	Application of ionic liquids in separation and analysis of carbohydrates: State of the art and future trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 148-162.	5.8	26
492	Measurements of activity coefficients at infinite dilution for organic solutes in two quaternary ammonium-based ionic liquids [DDA][ClO <sub>4</sub> ] and [DDA][BF <sub>4</sub> ]. <i>Fluid Phase Equilibria</i> , 2019, 482, 99-107.	1.4	11
494	[Hmim]PF <sub>6</sub> enhanced the extraction of polycyclic aromatic hydrocarbons from soil with the QuEChERS method. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4102-4110.	2.3	4
495	Hydrophobic and hydrophilic interactions in countercurrent chromatography. <i>Journal of Chromatography A</i> , 2020, 1611, 460576.	1.8	13
496	Hydrophobic deep eutectic solvents in microextraction techniques <sup>+</sup> A review. <i>Microchemical Journal</i> , 2020, 152, 104384.	2.3	251
497	Extraction of Flavonoids From Natural Sources Using Modern Techniques. <i>Frontiers in Chemistry</i> , 2020, 8, 507887.	1.8	220
498	Reactivity of Ionic Liquids: Studies on Thermal Decomposition Behavior of 1-Butyl-3-methylimidazolium Tetrafluoroborate. <i>Thermochimica Acta</i> , 2020, 694, 178786.	1.2	13

#	ARTICLE	IF	CITATIONS
499	Elucidating the effect of the ionic liquid type and alkyl chain length on the stability of ionic liquid-iron porphyrin complexes. <i>Journal of Chemical Physics</i> , 2020, 153, 034306.	1.2	6
500	Friction-reducing properties of N-containing ionic liquid additives by using quantitative structure tribo-ability relationship model. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 620-627.	1.3	2
501	Imidazolium ionic liquid bonded silica stationary phases: Part I: Hexadecylimidazolium stationary phase. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020, 43, 827-836.	0.5	2
502	A Miniaturized Gas-Liquid Separator for Use in Liquid-Phase Microextraction Procedures: Determination of Mercury in Food. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	4
503	Polymorphism and Particle Formation Pathway of Carbamazepine during Sonoprecipitation from Ionic Liquid Solutions. <i>Crystal Growth and Design</i> , 2020, 20, 5169-5183.	1.4	7
504	Isolation and purification of alkaloids from the fruits of <i>Macleaya cordata</i> by ionic liquid-modified high-speed counter-current chromatography. <i>Journal of Separation Science</i> , 2020, 43, 2459-2466.	1.3	18
505	Ionic liquid coated zerovalent manganese nanoparticles with stabilized and enhanced peroxidase-like catalytic activity for colorimetric detection of hydrogen peroxide. <i>Materials Research Express</i> , 2020, 7, 035018.	0.8	13
506	Ionic Liquids as Environmental Benign Solvents for Cellulose Chemistry: A Review. , 2020, , .		1
507	Continuous-Flow Extraction of Adjacent Metals: A Disruptive Economic Window for In-Situ Resource Utilization of Asteroids?. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3368-3388.	7.2	13
508	Kontinuierliche Extraktion benachbarter Metalle im Durchstrombetrieb – ein disruptiver ökonomischer Ansatz zur In-situ-Rohstoffgewinnung auf Asteroiden?. <i>Angewandte Chemie</i> , 2021, 133, 3408-3431.	1.6	0
509	Ionic liquids as environmental hazards – Crucial data in view of future PBT and PMT assessment. <i>Journal of Hazardous Materials</i> , 2021, 403, 123896.	6.5	38
510	Ionic liquids: Innovative fluids for sustainable gas separation from industrial waste stream. <i>Journal of Molecular Liquids</i> , 2021, 321, 114916.	2.3	27
511	Ionic Liquid Tags for Supported Oligosaccharide Synthesis. , 2021, , 602-622.		0
512	Applications of green solvents in thin-layer chromatography (TLC) – an overview. <i>Journal of Planar Chromatography - Modern TLC</i> , 2021, 34, 5-29.	0.6	8
513	Separation of bio-products by liquid-liquid extraction. <i>Physical Sciences Reviews</i> , 2021, 6, .	0.8	4
514	Effective photodegradation of 4-nitrophenol with CuO nano particles prepared by ionic liquids/water system. <i>Green Chemical Engineering</i> , 2022, 3, 15-24.	3.3	16
515	The effect of alkyl chain and electronegative atoms in anion on biological activity of anilinium carboxylate bioactive ionic liquids and computational approaches by DFT functional and molecular docking. <i>Heliyon</i> , 2021, 7, e07509.	1.4	19
516	Effect of position of OH group in isomeric butanediols on intermolecular interaction with Choline Acetate: A thermodynamic study at different temperatures. <i>Journal of Molecular Liquids</i> , 2021, 336, 116565.	2.3	1

#	ARTICLE	IF	CITATIONS
517	Effect of choline-based ionic liquids on thermodynamic and transport properties of aqueous diphenhydramine hydrochloric acid solutions. <i>Journal of Molecular Liquids</i> , 2021, 337, 116431.	2.3	8
518	Ionic liquids in extraction techniques: Determination of pesticides in food and environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116396.	5.8	22
519	Extraction of geniposidic acid and aucubin employing aqueous two-phase systems comprising ionic liquids and salts. <i>Microchemical Journal</i> , 2021, 169, 106592.	2.3	8
520	Studies on volumetric and acoustic behavior of L-alanine and L-leucine in aqueous 1-dodecyl-3-methylimidazolium bromide ionic liquid solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2021, 342, 117022.	2.3	10
521	Analyte recovery from recyclable ionic liquid pre-extractants by means of solid-phase extraction: A versatile tool for efficient and sustainable analytical sample preparation. <i>Journal of Molecular Liquids</i> , 2021, 343, 117669.	2.3	3
524	Ionic liquid functionalized zinc oxide nanorods for solid-phase microextraction of aflatoxins in food products. <i>Journal of Food Composition and Analysis</i> , 2020, 91, 103528.	1.9	22
525	Imidazolium ionic liquid-enhanced poly(quinine)-modified silica as a new multi-mode chromatographic stationary phase for separation of achiral and chiral compounds. <i>Talanta</i> , 2020, 211, 120743.	2.9	42
526	Ionic liquid-based microwave-assisted extraction and HPLC analysis of dehydrocavidine in <i>Corydalis saxicola</i> . <i>Acta Chromatographica</i> , 2010, 22, 459-471.	0.7	22
527	Applications of ionic liquids in chromatographic analysis and determination of ionic liquids by chromatography. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2013, 28, 14-22.	0.1	4
528	Separation of Guanine and Hypoxanthine with Some Ionic Liquids in RP-HPLC. <i>American Journal of Applied Sciences</i> , 2006, 3, 2160-2166.	0.1	12
529	Evaluation of Response Surface Methodology in Dispersive Liquid-Liquid Microextraction for Lead Determination Using Ionic Liquids. <i>American Journal of Analytical Chemistry</i> , 2011, 02, 892-901.	0.3	5
530	Ionic Liquids: An Environmentally Friendly Media for Nucleophilic Substitution Reactions. <i>Bulletin of the Korean Chemical Society</i> , 2006, 27, 345-354.	1.0	45
531	Effect of Concentration of Ionic Liquids on Resolution of Nucleotides in Reversed-phase Liquid Chromatography. <i>Bulletin of the Korean Chemical Society</i> , 2007, 28, 601-606.	1.0	17
533	Imidazolium-Based Ionic Liquid Functional Materials and Their Application to Electroanalytical Chemistry. , 2011, , 145-181.		0
535	Application of Electromigration Techniques in Environmental Analysis. <i>Springer Series in Chemical Physics</i> , 2013, , 335-353.	0.2	0
536	Ionic Liquids and Polymeric Ionic Liquids in Analytical Environmental Applications. , 2015, , 153-198.		1
537	Ionic Liquid-based Physical Sensors. <i>RSC Smart Materials</i> , 2017, , 296-320.	0.1	0
538	Polymerizable ionic liquids for microstructures fabrication. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
539	Separation of Fatty Acid Dimethyl Esters on an Ionic Liquid Gas Chromatographic Column. Journal of Chromatographic Science, 2021, 59, 205-211.	0.7	1
540	Innocuous and Less Hazardous Reagents. RSC Green Chemistry, 2020, , 92-113.	0.0	1
541	Ionic liquids as mobile phase additives and immobilized on stationary phases in liquid chromatography. , 2022, , 203-234.		2
542	Electrochemistry and Determination of an Antiviral Drug at Ionic Liquids Crystals-Carbon Nanotubes Modified Glassy Carbon Electrode. Journal of the Electrochemical Society, 2021, 168, 116512.	1.3	9
544	Super Base Derived Ionic Liquids: A Useful Tool in Organic Synthesis. Current Organic Chemistry, 2022, 26, 1237-1263.	0.9	2
545	Photoswitching studies of new photochromic ionic liquids studied in real time by <i>in situ</i> irradiation. New Journal of Chemistry, 0, , .	1.4	2
546	Development of a Green Single Drop Microextraction Method in a Syringe System Coupled with Gfaas for Analysis of Trace Amount of Silver in Fresh and Wastewater Samples Using a Multivariate Strategy. SSRN Electronic Journal, 0, , .	0.4	0
547	Experimental investigation on recovery of bio-based protocatechuic acid using ionic liquids. Journal of Chemical Technology and Biotechnology, 2022, 97, 3144-3151.	1.6	3
548	Fundamental investigations at the nexus of ionic liquids and mass spectrometry. International Journal of Mass Spectrometry, 2022, 479, 116896.	0.7	0
549	Micellization studies of selected imidazolium based ionic liquid in aqueous solution and in presence of different additives: A review. Journal of Ionic Liquids, 2022, 2, 100036.	1.0	5
550	Structure of Deep Eutectic Solvents (DESs): What We Know, What We Want to Know, and Why We Need to Know It. Langmuir, 2022, 38, 14017-14024.	1.6	6
551	Evaluation of new L-amino acids triethanolammonium salts usability for controlling protease activity. International Journal of Biological Macromolecules, 2023, , 123218.	3.6	0
552	Liquid-Liquid Equilibria of Binary and Ternary Systems Containing Ionic Liquids. , 2022, , 821-827.		0
553	Advances in Monte Carlo Simulation of Ionic Liquids. , 2022, , 22-33.		0
554	The Role of the Anion in Imidazolium-Based Ionic Liquids for Fuel and Terpenes Processing. Molecules, 2023, 28, 2456.	1.7	1
556	Ionic Liquids: Eco-Friendly Substitutes for Surface and Interface Applications. , 2023, , 160-196.		0