

# Understanding Ionic Liquids at the Molecular Level: Fac

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Citation Report

#	ARTICLE	IF	CITATIONS
2	The First Enantioselective Addition of Diethylzinc to Aldehydes in Ionic Liquids Catalysed by a Recyclable Ion-Tagged Diphenylprolinol. <i>Chemistry - A European Journal</i> , 2008, 14, 11288-11291.	1.7	36
3	Physical Vapor Deposition of [EMIM][Tf <sub>2</sub> N]: A New Approach to the Modification of Surface Properties with Ultrathin Ionic Liquid Films. <i>ChemPhysChem</i> , 2008, 9, 2185-2190.	1.0	140
4	Protic Ionic Liquids with Unusually High Dielectric Permittivities. <i>ChemPhysChem</i> , 2008, 9, 2172-2173.	1.0	78
5	Catalytic Hydrogenolysis of Aromatic Ketones in Mixed Choline-Betainium Ionic Liquids. <i>ChemSusChem</i> , 2008, 1, 997-1005.	3.6	32
6	Open-Shell Framework Structures of Transition-Metal Compounds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4798-4828.	7.2	337
7	Imidazolium-Based Ionic Liquids as Efficient Shape-Regulating Solvents for the Synthesis of Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7639-7643.	7.2	93
10	Synthesis of nucleoside-based antiviral drugs in ionic liquids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5640-5642.	1.0	57
11	Ionic Liquids from Theoretical Investigations. <i>Topics in Current Chemistry</i> , 2008, 290, 213-262.	4.0	74
12	From Ionic Liquid to Electrolyte Solution: Dynamics of 1-Butyl-3-methylimidazolium Tetrafluoroborate/Dichloromethane Mixtures. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12913-12919.	1.2	91
13	Microwave-Enhanced Ionothermal CuAAC for the Synthesis of Glycoclusters on a Calix[4]arene Platform. <i>Journal of Organic Chemistry</i> , 2008, 73, 6437-6440.	1.7	62
14	Why are ionic liquid ions mainly associated in water? A Car-Parrinello study of 1-ethyl-3-methyl-imidazolium chloride water mixture. <i>Journal of Chemical Physics</i> , 2008, 129, 104505.	1.2	130
15	Multiprobe Spectroscopic Evidence for "Hyperpolarity" within 1-Butyl-3-methylimidazolium Hexafluorophosphate Mixtures with Tetraethylene Glycol. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14927-14936.	1.2	91
16	A Model for Self-Diffusion of Guanidinium-Based Ionic Liquids: A Molecular Simulation Study. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13849-13861.	1.2	28
17	Modeling the Solubility Behavior of CO <sub>2</sub> , H <sub>2</sub> , and Xe in [C <sub>n</sub> mim][Tf <sub>2</sub> N] Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15398-15406.	1.2	113
18	Shear Viscosity of the Ionic Liquid 1-Butyl 3-Methylimidazolium Hexafluorophosphate [bmim][PF <sub>6</sub> ] Computed by Reverse Nonequilibrium Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8129-8133.	1.2	45
19	Effect of Water on the Ionothermal Synthesis of Molecular Sieves. <i>Journal of the American Chemical Society</i> , 2008, 130, 8120-8121.	6.6	111
20	Intramolecular Diels-Alder Reaction in Ionic Liquids: Effect of Ion-Specific Solvent Friction. <i>Journal of Organic Chemistry</i> , 2008, 73, 9075-9083.	1.7	68
21	Kemp Elimination: A Probe Reaction To Study Ionic Liquids Properties. <i>Journal of Organic Chemistry</i> , 2008, 73, 3397-3403.	1.7	35

#	ARTICLE	IF	CITATIONS
22	Carbon Dioxide and Molecular Nitrogen as Switches between Ionic and Uncharged Room-Temperature Liquids Comprised of Amidines and Chiral Amino Alcohols. <i>Chemistry of Materials</i> , 2008, 20, 5337-5344.	3.2	77
23	Ionic Liquid-Assisted Growth of Single-Crystalline Dendritic Gold Nanostructures with a Three-Fold Symmetry. <i>Chemistry of Materials</i> , 2008, 20, 3965-3972.	3.2	200
24	External Photoelectron Emission Spectra of Ionic Liquids in the Presence and Absence of Iodide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14971-14975.	1.2	8
25	Ion Pair Formation in [bmim]I Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15426-15430.	1.2	63
26	Structural and dynamical properties of ionic liquids: The influence of ion size disparity. <i>Journal of Chemical Physics</i> , 2008, 129, 064517.	1.2	63
27	Effects of water and methanol on the molecular organization of 1-butyl-3-methylimidazolium tetrafluoroborate as functions of pressure and concentration. <i>Journal of Chemical Physics</i> , 2008, 129, 044506.	1.2	46
28	Solvation and microscopic properties of ionic liquid/acetonitrile mixtures probed by high-pressure infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2009, 131, 234502.	1.2	29
29	Liquid-liquid phase separation in solutions of ionic liquids: phase diagrams, corresponding state analysis and comparison with simulations of the primitive model. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 424119.	0.7	39
30	Comparative study of electron stimulated positive-ion desorption from LiCl and 1-ethyl-3-methylimidazolium bis[trifluoromethylsulfonyl]imide. <i>Journal of Chemical Physics</i> , 2009, 131, 084702.	1.2	3
31	Explaining Ionic Liquid Water Solubility in Terms of Cation and Anion Hydrophobicity. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1271-1289.	1.8	123
32	Structural and dynamical properties of ionic liquids: The influence of charge location. <i>Journal of Chemical Physics</i> , 2009, 130, 104506.	1.2	45
33	Structural change of ionic association in ionic liquid/water mixtures: A high-pressure infrared spectroscopic study. <i>Journal of Chemical Physics</i> , 2009, 130, 124503.	1.2	43
34	Chloride-Free Method to Synthesise New Ionic Liquids with Mixed Borate Anions. <i>Chemistry - A European Journal</i> , 2009, 15, 2270-2272.	1.7	29
35	Temperature Dependence of the Dielectric Properties and Dynamics of Ionic Liquids. <i>ChemPhysChem</i> , 2009, 10, 723-733.	1.0	196
36	Applying the Inductive Effect for Synthesizing Low-Melting and Low-Viscosity Imidazolium-Based Ionic Liquids. <i>ChemPhysChem</i> , 2009, 10, 516-519.	1.0	22
37	What Far-Infrared Spectra Can Contribute to the Development of Force Fields for Ionic Liquids Used in Molecular Dynamics Simulations. <i>ChemPhysChem</i> , 2009, 10, 1181-1186.	1.0	51
38	Fluorous imidazolium room-temperature ionic liquids based on HFPO trimer. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 629-639.	0.9	30
39	Ionic liquid-based synthesis of luminescent YVO <sub>4</sub> :Eu and YVO <sub>4</sub> :Eu@YF <sub>3</sub> nanocrystals. <i>Journal of Materials Science</i> , 2009, 44, 3936-3942.	1.7	28

#	ARTICLE	IF	CITATIONS
40	Measurement and correlation of supercritical CO <sub>2</sub> and ionic liquid systems for design of advanced unit operations. <i>Frontiers of Chemical Engineering in China</i> , 2009, 3, 12-19.	0.6	15
41	Synthesis and Biological Applications of Imidazolium-Based Polymerized Ionic Liquid as a Gene Delivery Vector. <i>Chemical Biology and Drug Design</i> , 2009, 74, 282-288.	1.5	80
42	Significant influence of microwave dielectric heating on ionic liquid catalyzed transesterification of ethylene carbonate with methanol. <i>Journal of Molecular Catalysis A</i> , 2009, 303, 96-101.	4.8	33
43	Liquid-liquid phase transition in the ionic solutions of tetra-n-butylammonium chloride in o-xylene and ethylbenzene: Phase diagrams and corresponding state analysis. <i>Journal of Molecular Liquids</i> , 2009, 145, 116-128.	2.3	11
44	Mass transport and heterogeneous electron transfer of a ferrocene derivative in a room-temperature ionic liquid. <i>Journal of Electroanalytical Chemistry</i> , 2009, 632, 88-96.	1.9	88
45	Negative shift of chlorophyll a oxidation potential by aggregation in acetonitrile/ionic liquid mixed solvents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 202, 191-195.	2.0	11
46	Partitioning behaviour of organic compounds between ionic liquids and supercritical fluids. <i>Journal of Chromatography A</i> , 2009, 1216, 1861-1880.	1.8	56
47	Ionic liquid-mediated sol-gel coatings for capillary microextraction. <i>Journal of Chromatography A</i> , 2009, 1216, 5449-5458.	1.8	65
48	High-throughput screening for ionic liquids dissolving (ligno-)cellulose. <i>Bioresource Technology</i> , 2009, 100, 2580-2587.	4.8	632
49	Immobilised Burkholderia cepacia lipase in dry organic solvents and ionic liquids: A comparison. <i>Green Chemistry</i> , 2009, 11, 250-256.	4.6	46
50	Interactions and dynamics in electrolyte solutions by dielectric spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8984.	1.3	264
51	Functionalized Chiral Ionic Liquids: A New Type of Asymmetric Organocatalysts and Nonclassical Chiral Ligands. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1184-1195.	1.7	87
52	Morphology and Melting Behavior of Ionic Liquids inside Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2009, 131, 14850-14856.	6.6	87
53	Excess Electron Solvation in an Imidazolium-Based Room-Temperature Ionic Liquid Revealed by Ab Initio Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8222-8226.	1.2	42
54	Cryogenic Neon Matrix-isolation FTIR Spectroscopy of Evaporated Ionic Liquids: Geometrical Structure of Cation-Anion 1:1 Pair in the Gas Phase. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4756-4762.	1.2	42
55	Formation of Inclusion Complexes between 1,1-Dialkyl-3-(1,4-phenylene)bisimidazolium Dibromide Salts and Cucurbit[7]uril. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16159-16168.	1.2	15
56	Atom Substitution Effects of [X <sub>6</sub> ] <sup>+</sup> in Ionic Liquids. 2. Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9840-9851.	1.2	56
57	Inhibition of Amyloid Formation by Ionic Liquids: Ionic Liquids Affecting Intermediate Oligomers. <i>Biomacromolecules</i> , 2009, 10, 2468-2475.	2.6	78

#	ARTICLE	IF	CITATIONS
58	Atom Substitution Effects of $[XF_6]^{+}$ in Ionic Liquids. 1. Experimental Study. Journal of Physical Chemistry B, 2009, 113, 9831-9839.	1.2	63
59	Deposition and Wettability of [bmim][triflate] on Self-Assembled Monolayers. Journal of Physical Chemistry C, 2009, 113, 2384-2392.	1.5	34
60	Influence of Different Substituents on the Surface Composition of Ionic Liquids Studied Using ARXPS. Journal of Physical Chemistry B, 2009, 113, 2854-2864.	1.2	177
61	Comparison of interionic/intermolecular vibrational dynamics between ionic liquids and concentrated electrolyte solutions. Journal of Chemical Physics, 2009, 131, 244519.	1.2	62
62	Catalysis in Non-conventional Reaction Media. RSC Green Chemistry, 2009, , 1-79.	0.0	3
63	Computational Studies of Structures and Dynamics of 1,3-Dimethylimidazolium Salt Liquids and their Interfaces Using Polarizable Potential Models. Journal of Physical Chemistry A, 2009, 113, 2127-2135.	1.1	50
64	Novel Recycling System for Organic Synthesis via Designer Polymer-Gel Catalysts. Chemical Reviews, 2009, 109, 583-593.	23.0	164
65	Energy applications of ionic liquids. Energy and Environmental Science, 2009, 2, 956.	15.6	451
66	Imidazolium ionic liquids: A simple anion exchange protocol. Green Chemistry, 2009, 11, 1507.	4.6	89
67	On the components of the dielectric constants of ionic liquids: ionic polarization?. Physical Chemistry Chemical Physics, 2009, 11, 2452.	1.3	171
68	Structural Organization and Transport Properties of Novel Pyrrolidinium-Based Ionic Liquids with Perfluoroalkyl Sulfonylimide Anions. Journal of Physical Chemistry B, 2009, 113, 10750-10759.	1.2	102
69	Dipole Correlations in the Ionic Liquid 1-N-Ethyl-3-N-methylimidazolium Ethylsulfate and Its Binary Mixtures with Dichloromethane. Journal of Physical Chemistry B, 2009, 113, 9527-9537.	1.2	64
70	Alkoxy Chain Effect on the Viscosity of a Quaternary Ammonium Ionic Liquid: Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2009, 113, 1074-1079.	1.2	99
71	Multiprobe Spectroscopic Investigation of Molecular-level Behavior within Aqueous 1-Butyl-3-methylimidazolium Tetrafluoroborate. Journal of Physical Chemistry B, 2009, 113, 3088-3098.	1.2	46
72	Development of OPLS-AA Force Field Parameters for 68 Unique Ionic Liquids. Journal of Chemical Theory and Computation, 2009, 5, 1038-1050.	2.3	435
73	An old reaction in new media: kinetic study of a platinum(II) substitution reaction in ionic liquids. Dalton Transactions, 2009, , 4115.	1.6	25
74	Synthesis and Structural Characterization of $[bpyr]_4[V_4O_{12}Cl_{12}]$ and $[bpyr]_4[Bi_4Cl_{16}]$ grown in Ionic Liquid $[bpyr][AlCl_4]$ ( $bpyr = 1\text{-Butylpyridinium}$ ). Crystal Growth and Design, 2009, 9, 1385-1389.	1.4	20
75	Nitrene transfer reactions catalysed by copper(I) complexes in ionic liquid using chloramine-T. Dalton Transactions, 2009, , 730-734.	1.6	18

#	ARTICLE	IF	CITATIONS
76	The effect of alkyl chain length in a series of novel N-alkyl-3-benzylimidazolium iodide salts. <i>CrystEngComm</i> , 2009, 11, 2456.	1.3	13
77	Ionic Liquids and Their Interaction with Cellulose. <i>Chemical Reviews</i> , 2009, 109, 6712-6728.	23.0	1,280
78	The potential role of hydrogen bonding in aprotic and protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8790.	1.3	218
79	Are There Stable Ion-Pairs in Room-Temperature Ionic Liquids? Molecular Dynamics Simulations of 1-Butyl-3-methylimidazolium Hexafluorophosphate. <i>Journal of the American Chemical Society</i> , 2009, 131, 15825-15833.	6.6	283
80	In Silico Prediction of Molecular Volumes, Heat Capacities, and Temperature-Dependent Densities of Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 2290-2296.	1.8	115
81	Molecular Dynamics Simulations of Equilibrium and Transport Properties of Amino Acid-Based Room Temperature Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8103-8113.	1.2	33
82	Supramolecular effects involving the incorporation of guest substrates in imidazolium ionic liquid networks: Recent advances and future developments. <i>Supramolecular Chemistry</i> , 2009, 21, 245-263.	1.5	59
83	Imidazolium-organic solvent-alkali metal salt mixtures as nonflammable electrolytes incorporated into PVDF-PEG polymer electrolyte. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2492-2498.	1.3	12
84	Conductivities of Binary Mixtures of Ionic Liquids with Polar Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 472-479.	1.0	267
85	The Effect of Ionic Liquids on Protein Crystallization and X-ray Diffraction Resolution. <i>Crystal Growth and Design</i> , 2009, 9, 3463-3469.	1.4	82
86	Effect of Methylation at the C2 Position of Imidazolium on the Structure of Ionic Liquids Revealed by Large Angle X-ray Scattering Experiments and MD Simulations. <i>Chemistry Letters</i> , 2009, 38, 340-341.	0.7	42
87	Revisiting Characteristics of Ionic Liquids: A Review for Further Application Development. <i>Journal of Environmental Protection</i> , 2010, 01, 95-104.	0.3	58
88	Metallocenium Ionic Liquids. <i>Chemistry Letters</i> , 2010, 39, 572-573.	0.7	73
89	Using nanosized, homogeneous, and heterogeneous catalytic systems in organic synthesis: changing the structure of active center in chemical reactions in solution. <i>Nanotechnologies in Russia</i> , 2010, 5, 1-17.	0.7	10
90	Diversity Observed in the Nanostructure of Protic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10022-10031.	1.2	231
91	Oxidative addition reaction of diarylplatinum(ii) complexes with MeI in ionic liquid media: a kinetic study. <i>Dalton Transactions</i> , 2010, 39, 7800.	1.6	29
92	Understanding siloxane functionalised ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2018.	1.3	37
93	Ionic Tags in Catalyst Optimization: Beyond Catalyst Recycling. <i>ChemCatChem</i> , 2010, 2, 135-145.	1.8	55

#	ARTICLE	IF	CITATIONS
94	Non-Halide Ionic Liquids for Solvation, Extraction, and Processing of Cellulosic Materials. ACS Symposium Series, 2010, , 229-259.	0.5	7
95	A reversal from endothermic to exothermic behavior of imidazolium-based ionic liquids in molecular solvents. Chemical Physics Letters, 2010, 496, 143-147.	1.2	19
96	Preparation and properties of xerogels obtained by ionic liquid incorporation during the immobilization of lipase by the sol-gel method. Journal of Molecular Catalysis B: Enzymatic, 2010, 65, 79-86.	1.8	33
97	In situ multinuclear solid-state NMR spectroscopy study of Beckmann rearrangement of cyclododecanone oxime in ionic liquids: The nature of catalytic sites. Journal of Catalysis, 2010, 275, 78-83.	3.1	12
98	Probing the Local Structure of Pure Ionic Liquid Salts with Solid- and Liquid-State NMR. ChemPhysChem, 2010, 11, 260-268.	1.0	29
99	Systematic Dielectric and NMR Study of the Ionic Liquid 1-Alkyl-3-Methyl Imidazolium. ChemPhysChem, 2010, 11, 285-294.	1.0	109
100	Correlation between Dynamic Heterogeneity and Local Structure in a Room-Temperature Ionic Liquid: A Molecular Dynamics Study of [bmim][PF <sub>6</sub> ]. ChemPhysChem, 2010, 11, 2001-2010.	1.0	82
101	Mass Distribution and Diffusion of [1-Butyl-3-methylimidazolium][Y] Ionic Liquids Adsorbed on the Graphite Surface at 300-800 K. ChemPhysChem, 2010, 11, 2438-2443.	1.0	29
102	The Electrode/Ionic Liquid Interface: Electric Double Layer and Metal Electrodeposition. ChemPhysChem, 2010, 11, 2764-2778.	1.0	141
103	Temperature-Dependent Prediction of the Liquid Entropy of Ionic Liquids. ChemPhysChem, 2010, 11, 3425-3431.	1.0	19
104	Ionic-Liquid-Stabilized Rhodium Nanoparticles for Citral Cyclodehydration. ChemSusChem, 2010, 3, 1264-1267.	3.6	10
106	From Salts to Ionic Liquids by Systematic Structural Modifications: A Rational Approach Towards the Efficient Modular Synthesis of Enantiopure Imidazolium Salts. Chemistry - A European Journal, 2010, 16, 836-847.	1.7	49
107	Synthesis of Room-Temperature Ionic Liquids with the Weakly Coordinating [Al(OR <sup>F</sup> ) <sub>4</sub> ] <sup>+</sup> Anion (R <sup>F</sup> =C(H)(CF <sub>3</sub> ) <sub>2</sub> ) and the Determination of Their Principal Physical Properties. Chemistry - A European Journal, 2010, 16, 13139-13154.	1.7	72
111	12- <sup>2</sup> Apo- <sup>1</sup> 2- <sup>2</sup> Cal: An Ultrafast "Spy" Molecule for Probing Local Interactions in Ionic Liquids. Angewandte Chemie - International Edition, 2010, 49, 2230-2232.	7.2	27
112	Low-Viscosity Paramagnetic Ionic Liquids with Doubly Charged [Co(NCS) <sub>4</sub> ] <sup>2-</sup> Ions. Angewandte Chemie - International Edition, 2010, 49, 7116-7119.	7.2	94
113	The Importance of Hydrogen Bonds for the Structure of Ionic Liquids: Single-Crystal X-ray Diffraction and Transmission and Attenuated Total Reflection Spectroscopy in the Terahertz Region. Angewandte Chemie - International Edition, 2010, 49, 10221-10224.	7.2	106
114	How ideal are binary mixtures of room-temperature ionic liquids?. Journal of Molecular Liquids, 2010, 153, 46-51.	2.3	117
115	Binary mixtures of ionic liquids with a common ion revisited: A molecular dynamics simulation study. Journal of Molecular Liquids, 2010, 153, 52-56.	2.3	75

#	ARTICLE	IF	CITATIONS
116	Melting behaviour of ionic salts in the presence of high pressure CO <sub>2</sub> . <i>Fluid Phase Equilibria</i> , 2010, 294, 121-130.	1.4	31
117	Asymmetric Mannich reaction catalyzed by N-arylsulfonyl-L-proline amides. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 58-61.	1.8	24
118	Gold-catalyzed hydrative cyclization of 1,6-diynes in ionic liquid media. <i>Tetrahedron Letters</i> , 2010, 51, 980-982.	0.7	38
119	The roles of ionic liquids in sorptive microextraction techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 602-616.	5.8	159
120	The use of Differential Scanning Calorimetry (DSC) to characterize phase diagrams of ionic mixtures of 1-n-butyl-3-methylimidazolium chloride and niobium chloride or zinc chloride. <i>Thermochimica Acta</i> , 2010, 502, 20-23.	1.2	20
121	Fabrication of ionic liquid thin film by nano-inkjet printing method using atomic force microscope cantilever tip. <i>Ultramicroscopy</i> , 2010, 110, 733-736.	0.8	10
122	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
123	Erbium triflate in ionic liquids: A recyclable system of improving selectivity in Diels-Alder reactions. <i>Applied Catalysis A: General</i> , 2010, 372, 124-129.	2.2	29
124	CTAB-based microemulsions with ionic liquids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 261-267.	2.3	46
125	Salts with the 1,3-dibutyl-2,4-trimethylimidazolium Cation: (DBTMIm)X (X = Br, Tj ETQq1 Fur <i>Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2439-2446.	1.0784314 0.6	11
126	Communications: Polarity fluctuations of the protic ionic liquid ethylammonium nitrate in the terahertz regime. <i>Journal of Chemical Physics</i> , 2010, 132, 101101.	1.2	62
127	Structural and dynamical properties of ionic liquids: Competing influences of molecular properties. <i>Journal of Chemical Physics</i> , 2010, 132, 154504.	1.2	44
128	Mode-coupling theoretical analysis of transport and relaxation properties of liquid dimethylimidazolium chloride. <i>Journal of Chemical Physics</i> , 2010, 132, 114502.	1.2	32
129	Artificial neural network model to predict compositional viscosity over a broad range of temperatures. , 2010, , .		0
130	Terahertz dynamics of ionic liquids from a combined dielectric relaxation, terahertz, and optical Kerr effect study: evidence for mesoscopic aggregation. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
131	A wave-function based approach for polarizable charge model: Systematic comparison of polarization effects on protic, aprotic, and ionic liquids. <i>Journal of Chemical Physics</i> , 2010, 132, 044106.	1.2	33
132	Ionic Liquid Thin Film Fabrication Using Nano-Inkjet Printing Method. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 06GH02.	0.8	6
133	Communication: Are hydrodynamic models suited for describing the reorientational dynamics of ions in ionic liquids? A case study of methylimidazolium tetra(hexafluoroisopropoxy)aluminates. <i>Journal of Chemical Physics</i> , 2010, 133, 101101.	1.2	32



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134	Studies on the translational and rotational motions of ionic liquids composed of N-methyl-N-propyl-pyrrolidinium (P13) cation and bis(trifluoromethanesulfonyl)amide and bis(fluorosulfonyl)amide anions and their binary systems including lithium salts. <i>Journal of Chemical Physics</i> , 2010, 133, 194505.	1.2	129
135	Permeation through nanochannels: revealing fast kinetics. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 454131.	0.7	9
136	Ionic Liquid Structures from Large Density Functional Theory Calculations Using Mindless Configurations. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20577-20582.	1.5	35
138	Solvation Dynamics in Ionic Liquids: What We Have Learned from the Dynamic Fluorescence Stokes Shift Studies. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1557-1562.	2.1	194
139	Structure and dynamics of the protic ionic liquid monomethylammonium nitrate ([CH <sub>3</sub> NH <sub>3</sub> ][NO <sub>3</sub> ]) from <i>ab initio</i> molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2010, 132, 124506.	1.2	111
140	Contrasting Thermosolvatochromic Trends in Pyridinium-, Pyrrolidinium-, and Phosphonium-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 376-381.	1.2	97
141	Volatility of Aprotic Ionic Liquids – A Review. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 3-12.	1.0	294
142	Improved United-Atom Force Field for 1-Alkyl-3-methylimidazolium Chloride. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4572-4582.	1.2	76
143	Photoelectron Spectroscopy of Ionic Liquid-Based Interfaces. <i>Chemical Reviews</i> , 2010, 110, 5158-5190.	23.0	261
144	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1799-1803.	1.0	57
145	Structure and Dynamics of <i>N,N</i> -Diethyl- <i>N</i> -methylammonium Triflate Ionic Liquid, Neat and with Water, from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12764-12774.	1.1	58
146	Interfacial Properties of an Ionic Liquid by Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6954-6961.	1.2	28
147	Molecular Dynamic Simulations of Ionic Liquids at Graphite Surface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 990-995.	1.5	161
148	Modelling cellulose solubilities in ionic liquids using COSMO-RS. <i>Green Chemistry</i> , 2010, 12, 2172.	4.6	112
149	Structure of a Prototypic Ionic Liquid: Ethyl-methylimidazolium Bromide. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12623-12628.	1.2	33
150	Dispersed Kinetics without Rate Heterogeneity in an Ionic Liquid Measured with Multiple Population-Period Transient Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 161-164.	2.1	29
151	Tunable Wavelength Soft Photoionization of Ionic Liquid Vapors. <i>Journal of Physical Chemistry A</i> , 2010, 114, 879-883.	1.1	29
152	Critical Parameters and Surface Tension of the Room Temperature Ionic Liquid [bmim][PF <sub>6</sub> ]: A Corresponding-States Analysis of Experimental and New Simulation Data. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3599-3608.	1.5	44

#	ARTICLE	IF	CITATIONS
153	Guggenheim's Rule and the Enthalpy of Vaporization of Simple and Polar Fluids, Molten Salts, and Room Temperature Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9183-9194.	1.2	28
154	Unraveling Dynamical Heterogeneity in the Ionic Liquid 1-Butyl-3-methylimidazolium Chloride. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1738-1742.	2.1	37
155	Local Structure in Ionic Liquids Investigated by Hyper-Rayleigh Scattering. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15057-15065.	1.2	41
156	Preparation, Properties, and Crystal Structures of Organometallic Ionic Liquids Comprising 1-Ferrocenyl-3-alkylimidazolium-Based Salts of Bis(trifluoromethanesulfonyl)amide and Hexafluorophosphate. <i>Inorganic Chemistry</i> , 2010, 49, 10032-10040.	1.9	56
157	Viscosity of the 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid from equilibrium and nonequilibrium molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 930-936.	1.3	74
158	Ordering in Mixtures of a Triblock Copolymer with a Room Temperature Ionic Liquid. <i>Macromolecules</i> , 2010, 43, 10528-10535.	2.2	52
159	Hydroxometalates from Anion Exchange Reactions of [BF <sub>4</sub> ] <sup>-</sup> based Ionic [Zr(OH) <sub>5</sub> ] <sup>+</sup> . <i>Chemistry of Materials</i> , 2010, 22, 6518-6523.	3.2	14
160	Molecular dynamics study of congruent melting of the equimolar ionic liquid-benzene inclusion crystal [emim][NTf <sub>2</sub> ] <sup>+</sup> ⊂C <sub>6</sub> H <sub>6</sub> . <i>Journal of Chemical Physics</i> , 2010, 132, 044507.	1.2	12
161	Liquid-Liquid Phase Behavior of Solutions of 1-Octyl- and 1-Decyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide (C <sub>8</sub> ,10mimNTf <sub>2</sub> ) in n-Alkyl Alcohols. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 2030-2038.	1.0	24
162	Stable Cycling of Lithium Batteries Using Novel Boronium-Cation-Based Ionic Liquid Electrolytes. <i>Chemistry of Materials</i> , 2010, 22, 1038-1045.	3.2	38
163	Energetics of Aqueous Solutions of the Ionic Liquid 1-Ethyl-3-methylimidazolium Ethylsulfate. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13179-13188.	1.2	18
164	Translational and Reorientational Dynamics of an Imidazolium-Based Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2503-2507.	2.1	43
165	On the Structure of Ionic Liquids: Comparisons between Electronically Polarizable and Nonpolarizable Models I. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6905-6921.	1.2	77
166	Stokes Shift Dynamics in Ionic Liquids: Temperature Dependence. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16811-16823.	1.2	52
167	Understanding the Interactions of Cellulose with Ionic Liquids: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4293-4301.	1.2	299
168	Rare earth fluoride nano-/microcrystals: synthesis, surface modification and application. <i>Journal of Materials Chemistry</i> , 2010, 20, 6831.	6.7	633
169	Patterns of protein unfolding and protein aggregation in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1756.	1.3	172
170	In Silico Prediction of the Melting Points of Ionic Liquids from Thermodynamic Considerations: A Case Study on 67 Salts with a Melting Point Range of 337 Å°C. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11133-11140.	1.2	92

#	ARTICLE	IF	CITATIONS
171	Preparation of protic ionic liquids with minimal water content and 15N NMR study of proton transfer. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1571.	1.3	127
172	The Nature of Protic Ionic Liquids in the Gas Phase Revisited: Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Study of 1,1,3,3-Tetramethylguanidinium Chloride. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8905-8909.	1.2	30
173	A COSMO-RS based guide to analyze/quantify the polarity of ionic liquids and their mixtures with organic cosolvents. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1991.	1.3	67
174	Recovery of Bitumen from Oil or Tar Sands Using Ionic Liquids. <i>Energy &amp; Fuels</i> , 2010, 24, 1094-1098.	2.5	101
175	Ion-Pair Structure of Vaporized Ionic Liquid Studied by Matrix-Isolation FTIR Spectroscopy with DFT Calculations: A Case of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12662-12666.	1.1	41
176	Blending ionic liquids: how physico-chemical properties change. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1784.	1.3	69
177	Low-frequency Raman spectra and fragility of imidazolium ionic liquids. <i>Journal of Chemical Physics</i> , 2010, 133, 024503.	1.2	51
178	Differential capacitance of the double layer at the electrode/ionic liquids interface. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12499.	1.3	284
179	Photochemical processes in ionic liquids on ultrafast timescales. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1698.	1.3	37
180	Ionic Charge Reduction and Atomic Partial Charges from First-Principles Calculations of 1,3-Dimethylimidazolium Chloride. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6150-6155.	1.2	113
181	Heavy Atom Substitution Effects in Non-Aromatic Ionic Liquids: Ultrafast Dynamics and Physical Properties. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9400-9412.	1.2	116
182	Anion metathesis in ionic silicananoparticle networks. <i>Journal of Materials Chemistry</i> , 2010, 20, 1269-1276.	6.7	25
183	Long-Range Correlations in Polymer-Containing Ionic Liquids: The Case of Good Solubility. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1186-1190.	2.1	12
184	Microscopic Study of Ionic Liquid-H <sub>2</sub> O Systems: Alkyl-Group Dependence of 1-Alkyl-3-Methylimidazolium Cation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6323-6331.	1.2	78
185	Seeding Growth of Pd/Au Bimetallic Nanoparticles on Highly Cross-Linked Polymer Microspheres with Ionic Liquid and Solvent-Free Hydrogenation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3396-3400.	1.5	63
186	In situ Formation of Thermally Stable, Room-Temperature Ionic Liquids from CS <sub>2</sub> and Amidine/Amine Mixtures.. <i>Chemistry of Materials</i> , 2010, 22, 5492-5499.	3.2	19
187	Dependence of the Conformational Isomerism in 1-n-Butyl-3-methylimidazolium Ionic Liquids on the Nature of the Halide Anion. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11715-11724.	1.2	66
188	Role of Cation Symmetry in Intermolecular Structure and Dynamics of Room Temperature Ionic Liquids: Simulation Studies. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6455-6463.	1.2	33

#	ARTICLE	IF	CITATIONS
189	Unusual Behavior of the Thermodynamic Response Functions of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 211-214.	2.1	42
190	Immobilization of molecular catalysts in supported ionic liquid phases. <i>Dalton Transactions</i> , 2010, 39, 8377.	1.6	223
191	Free volume in imidazolium triflimide ([C3MIM][NTf2]) ionic liquid from positron lifetime: Amorphous, crystalline, and liquid states. <i>Journal of Chemical Physics</i> , 2010, 133, 124502.	1.2	51
192	Ionic Liquids. <i>Topics in Current Chemistry</i> , 2010, , .	4.0	67
193	Dissolution and Dispersion of Coal in Ionic Liquids. <i>Energy &amp; Fuels</i> , 2010, 24, 1848-1853.	2.5	108
194	Structural analysis of low melting organic salts: perspectives on ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9144.	1.3	119
195	Non-Newtonian viscous shear thinning in ionic liquids. <i>Soft Matter</i> , 2010, 6, 2080.	1.2	121
196	Vaporisation of an ionic liquid near room temperature. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8893.	1.3	79
197	Ab initio study on SN2 reaction of methyl p-nitrobenzenesulfonate and chloride anion in [mmim][PF6]. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1822.	1.3	23
198	Fragility, Stokes-Einstein violation, and correlated local excitations in a coarse-grained model of an ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2001.	1.3	48
199	Reactions of excited-state benzophenone ketyl radical in a room-temperature ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1963.	1.3	15
200	Rotational dynamics of positively and negatively charged solutes in ionic liquid and viscous molecular solvent studied by time-resolved fluorescence anisotropy measurements. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7671.	1.3	53
201	Ultrafast spin crossover in 4-thiothymidine in an ionic liquid. <i>Chemical Communications</i> , 2010, 46, 5963.	2.2	56
202	States and migration of an excess electron in a pyridinium-based, room-temperature ionic liquid: an ab initio molecular dynamics simulation exploration. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1854.	1.3	28
203	Electrostatic properties of liquid 1,3-dimethylimidazolium chloride: role of local polarization and effect of the bulk. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1817-1821.	1.3	38
204	Activity and stability of $\hat{1}\pm$ -chymotrypsin in biocompatible ionic liquids: enzyme refolding by triethyl ammonium acetate. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2788-2796.	1.3	185
205	X-ray photoelectron spectroscopy of pyrrolidinium-based ionic liquids: cation-anion interactions and a comparison to imidazolium-based analogues. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15244.	1.3	130
206	Anion effect on the shape evolution of gold nanoparticles during seed-induced growth in imidazolium-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13572.	1.3	8

#	ARTICLE	IF	CITATIONS
207	An enthalpic approach to delineate the interactions of cations of imidazolium-based ionic liquids with molecular solvents. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14715.	1.3	16
208	Simulations of photoemission and equilibrium redox processes of ionic liquids: the role of ion pairing and long-range polarization. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11998.	1.3	18
209	Spin Exchange in Solutions of TEMPOL in Octanol and 1-Methyl-3-octylimidazolium Hexafluorophosphate in the Temperature Range from 300 to 500 K. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2939-2952.	1.1	13
210	Ion speciation driving chirality transfer in imidazolium-based camphorsulfonate ionic liquid solutions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4126.	1.3	13
211	Nanostructure changes in protic ionic liquids (PILs) through adding solutes and mixing PILs. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13501.	1.3	94
212	Hierarchical porous carbonaceous materials via ionothermal carbonization of carbohydrates. <i>Journal of Materials Chemistry</i> , 2011, 21, 7434.	6.7	131
213	Fluorescence correlation spectroscopy evidence for structural heterogeneity in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12395.	1.3	63
214	Application of ionic liquids in photopolymerizable hologram materials. , 2011, , .		0
215	Study on Hydroxylammonium-Based Ionic Liquids. I. Characterization. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12473-12486.	1.2	45
216	Liquid structure of 1-alkyl-3-methylimidazolium-hexafluorophosphates by wide angle x-ray and neutron scattering and molecular dynamics. <i>Journal of Chemical Physics</i> , 2011, 134, 114521.	1.2	80
217	Checkerboard Self-Patterning of an Ionic Liquid Film on Mercury. <i>Physical Review Letters</i> , 2011, 106, 197801.	2.9	29
218	Cation/Anion Associations in Ionic Liquids Modulated by Hydration and Ionic Medium. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4576-4582.	1.2	89
219	Liquid Structure of and $\text{Li}^{+}$ Ion Solvation in Bis(trifluoromethanesulfonyl)amide Based Ionic Liquids Composed of 1-Ethyl-3-methylimidazolium and $\text{N}^{\text{Methyl-propylpyrrolidinium}}$ Cations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12179-12191.	1.2	102
220	Microscopic Aspects in Dicationic Ionic Liquids through the Low-Frequency Spectra by Femtosecond Raman-Induced Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10860-10870.	1.2	48
221	A High-Pressure Infrared Spectroscopic Study on the Interaction of Ionic Liquids with PEO-PPO-PEO Block Copolymers and 1,4-Dioxane. <i>Journal of Physical Chemistry B</i> , 2011, 115, 883-888.	1.2	15
222	Ultrafast Dynamics in 1-Butyl-3-methylimidazolium-Based Ionic Liquids: A Femtosecond Raman-Induced Kerr Effect Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4621-4631.	1.2	47
223	Spectral Insights into Gelation Microdynamics of PNIPAM in an Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10604-10614.	1.2	38
224	Heterogeneous Reaction Rates in an Ionic Liquid: Quantitative Results from Two-Dimensional Multiple Population-Period Transient Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7984-7993.	1.1	28

#	ARTICLE	IF	CITATIONS
225	Multiple Equilibria Interaction Pattern between the Ionic Liquids CnmimPF6 and $\beta$ -Cyclodextrin in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11852-11861.	1.2	18
226	Effect of $\text{SO}_2$ on the Transport Properties of an Imidazolium Ionic Liquid and Its Lithium Solution. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9662-9670.	1.2	18
227	Studies of Bitumen-Silica and Oil-Silica Interactions in Ionic Liquids. <i>Energy &amp; Fuels</i> , 2011, 25, 293-299.	2.5	73
228	Liquid/Solid Interface of Ultrathin Ionic Liquid Films: $[\text{C}_{1}\text{Im}][\text{Tf}_2\text{N}]$ and $[\text{C}_{8}\text{Im}][\text{Tf}_2\text{N}]$ on Au(111). <i>Langmuir</i> , 2011, 27, 3662-3671.	1.6	186
229	Photo-patternable hybrid ionogels for electrochromic applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 8687.	6.7	39
230	The vapour of imidazolium-based ionic liquids: a mass spectrometry study. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16841.	1.3	42
231	On the Viscosity of Pyridinium Based Ionic Liquids: An Experimental and Computational Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12499-12513.	1.2	67
232	Depolarization of water in protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15083.	1.3	63
233	Nanostructured Protic Ionic Liquids Retain Nanoscale Features in Aqueous Solution While Precursor Brønsted Acids and Bases Exhibit Different Behavior. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2055-2066.	1.2	131
234	Intermolecular vibrations and fast relaxations in supercooled ionic liquids. <i>Journal of Chemical Physics</i> , 2011, 134, 244507.	1.2	23
235	Charge ordering and intermediate range order in ammonium ionic liquids. <i>Journal of Chemical Physics</i> , 2011, 135, 204506.	1.2	56
236	Fine structural and morphological control of rare earth fluorides $\text{REF}_3$ ( $\text{RE} = \text{La-Lu, Y}$ ) nano/microcrystals: microwave-assisted ionic liquid synthesis, magnetic and luminescent properties. <i>CrystEngComm</i> , 2011, 13, 1003-1013.	1.3	113
237	A two-component polymeric optode membrane based on a multifunctional ionic liquid. <i>Analyst</i> , 2011, 136, 348-353.	1.7	21
238	Halogen Bonding Interactions between Brominated Ion Pairs and $\text{CO}_2$ Molecules: Implications for Design of New and Efficient Ionic Liquids for $\text{CO}_2$ Absorption. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3949-3958.	1.2	60
239	Improved Classical United-Atom Force Field for Imidazolium-Based Ionic Liquids: Tetrafluoroborate, Hexafluorophosphate, Methylsulfate, Trifluoromethylsulfonate, Acetate, Trifluoroacetate, and Bis(trifluoromethylsulfonyl)amide. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10027-10040.	1.2	138
240	Nuclear magnetic resonance studies on the rotational and translational motions of ionic liquids composed of 1-ethyl-3-methylimidazolium cation and bis(trifluoromethanesulfonyl)amide and bis(fluorosulfonyl)amide anions and their binary systems including lithium salts. <i>Journal of Chemical Physics</i> , 2011, 135, 084505.	1.2	92
241	How Is Charge Transport Different in Ionic Liquids and Electrolyte Solutions?. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13212-13221.	1.2	190
242	Nanostructural organization in carbon disulfide/ionic liquid mixtures: Molecular dynamics simulations and optical Kerr effect spectroscopy. <i>Journal of Chemical Physics</i> , 2011, 135, 034502.	1.2	49

#	ARTICLE	IF	CITATIONS
243	Amino acid-based ionic liquids: using XPS to probe the electronic environment via binding energies. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17737.	1.3	62
244	Protic ionic liquid and ionic melts prepared from methanesulfonic acid and 1H-1,2,4-triazole as high temperature PEMFC electrolytes. <i>Journal of Materials Chemistry</i> , 2011, 21, 10426.	6.7	69
245	Ionic liquids based on diethylmethyl(2-methoxyethyl)ammonium cations and bis(perfluoroalkanesulfonyl)amide anions: influence of anion structure on liquid properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20302.	1.3	36
246	A High-Pressure Study of the Effects of TiO <sub>2</sub> Nanoparticles on the Structural Organization of Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23778-23783.	1.5	24
247	Molecular dynamics simulations of the structure and transport properties of tetra-butylphosphonium amino acid ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8826.	1.3	49
248	Molecular dynamics simulation of the interfacial structure of [C <sub>18</sub> mim][PF <sub>6</sub> ] adsorbed on a graphite surface: effects of temperature and alkyl chain length. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 175001.	0.7	23
249	A facile one-step synthesis to ionic liquid-based cross-linked polymeric nanoparticles and their application for CO <sub>2</sub> fixation. <i>Polymer Chemistry</i> , 2011, 2, 2306.	1.9	55
250	Magnetic memory based on magnetic alignment of a paramagnetic ionic liquid near room temperature. <i>Chemical Communications</i> , 2011, 47, 4475.	2.2	61
251	How ion properties determine the stability of a lipase enzyme in ionic liquids: A molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 18647.	1.3	81
252	Comparison between Dicationic and Monocationic Ionic Liquids: Liquid Density, Thermal Properties, Surface Tension, and Shear Viscosity. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 2453-2459.	1.0	314
253	Characterization of Molecular Systems and Monitoring of Chemical Reactions in Ionic Liquids by Nuclear Magnetic Resonance Spectroscopy. <i>Chemical Reviews</i> , 2011, 111, 418-454.	23.0	78
254	Effect of Cation Symmetry on the Morphology and Physicochemical Properties of Imidazolium Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6572-6584.	1.2	169
255	Assembled Structures and Cation-Anion Interactions in Crystals of Alkylimidazolium and Alkyltriazolium Iodides with Ferrocenyl Substituents. <i>Crystal Growth and Design</i> , 2011, 11, 262-268.	1.4	12
256	Melting Transition of Ionic Liquid [bmim][PF <sub>6</sub> ] Crystal Confined in Nanopores: A Molecular Dynamics Simulation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18946-18951.	1.5	37
257	Direct HRTEM Observation of Ultrathin Freestanding Ionic Liquid Film on Carbon Nanotube Grid. <i>ACS Nano</i> , 2011, 5, 4902-4908.	7.3	40
258	Study on Extraction Asphaltenes from Direct Coal Liquefaction Residue with Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 10278-10282.	1.8	55
259	Rotational Diffusion of Neutral and Charged Solutes in Ionic Liquids: Is Solute Reorientation Influenced by the Nature of the Cation?. <i>Journal of Physical Chemistry B</i> , 2011, 115, 725-729.	1.2	38
260	Anomalous Charge Transfer Behavior of an Iodide/Triiodide Redox Couple at an Ionic Liquid/Pt-Electrode Interface. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16637-16643.	1.5	2

#	ARTICLE	IF	CITATIONS
261	Delineating Solute-Solvent Interactions in Binary Mixtures of Ionic Liquids in Molecular Solvents and Preferential Solvation Approach. <i>Journal of Physical Chemistry B</i> , 2011, 115, 711-718.	1.2	88
262	The influence of polarizability on the dielectric spectrum of the ionic liquid 1-ethyl-3-methylimidazolium triflate. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12240.	1.3	47
263	Determination of 2,4,6-trichloroanisole in water and wine samples by ionic liquid-based single-drop microextraction and ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2011, 702, 199-204.	2.6	55
264	Towards large-scale, fully ab initio calculations of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4189.	1.3	121
265	Ionic Liquids and Dense Carbon Dioxide: A Beneficial Biphasic System for Catalysis. <i>Chemical Reviews</i> , 2011, 111, 322-353.	23.0	273
266	Molecular dynamics study of the dynamical behavior in ionic liquids through interionic interactions. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 454-462.	1.5	12
267	The Structure of Aqueous Solutions of a Hydrophilic Ionic Liquid: The Full Concentration Range of 1-Ethyl-3-methylimidazolium Ethylsulfate and Water. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2067-2074.	1.2	142
268	Modeling Complex Associating Mixtures with [C <sub>n</sub> -mim][Tf <sub>2</sub> N] Ionic Liquids: Predictions from the Soft-SAFT Equation. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4387-4398.	1.2	99
269	Understanding chemical reaction mechanisms in ionic liquids: successes and challenges. <i>Chemical Society Reviews</i> , 2011, 40, 272-290.	18.7	145
270	Static Relative Dielectric Permittivities of Ionic Liquids at 25 °C. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 1494-1499.	1.0	235
271	The Cosolvent-Directed Diels-Alder Reaction in Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10211-10217.	1.1	53
272	Structural organization and phase behaviour of 1-butyl-3-methylimidazolium hexafluorophosphate: an high pressure Raman spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12067.	1.3	66
273	Proton Transfer between Tryptophan and Ionic Liquid Solvents Studied with Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8231-8241.	1.2	22
274	Interactions of Silica Nanoparticles and Ionic Liquids Probed by High Pressure Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11962-11967.	1.5	29
275	Association of ionic liquids in solution: a combined dielectric and conductivity study of [bmim][Cl] in water and in acetonitrile. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17588.	1.3	87
276	1-Ethyl-3-methylimidazolium Ethylsulfate in Water, Acetonitrile, and Dichloromethane: Molar Conductivities and Association Constants. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 1261-1267.	1.0	65
277	Combined THz and Microwave Dielectric Spectroscopy of Intermolecular Interactions in Homologous Protic Ionic Liquids. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2011, 1, 313-320.	2.0	12
278	Supramolecular Structures in the Presence of Ionic Liquids. , 2011, , .		3



#	ARTICLE	IF	CITATIONS
279	Sample Treatments Based on Ionic Liquids. , 2011, , .		0
280	Dynamic Heterogeneity in Room-Temperature Ionic Liquids. , 2011, , .		2
281	Separation Processes in the Presence of Cyclodextrins Using Molecular Imprinting Technology and Ionic Liquid Cooperating Approach. Current Organic Chemistry, 2011, 15, 74-85.	0.9	26
282	Ionic liquids at the air/water interface. Journal of Molecular Liquids, 2011, 163, 64-69.	2.3	15
283	Synthesis and application of task-specific ionic liquids used as catalysts and/or solvents in organic unit reactions. Journal of Molecular Liquids, 2011, 163, 99-121.	2.3	258
284	Emulsion stabilization using ionic liquid [BMIM]+[NTf <sub>2</sub> ] <sup>-</sup> and performance evaluation on the extraction of chromium. Journal of Hazardous Materials, 2011, 195, 55-61.	6.5	25
285	Performance evaluation of supported ionic liquid membrane for removal of phenol. Journal of Hazardous Materials, 2011, 192, 1283-1290.	6.5	57
286	An efficient room-temperature route to uniform ZnO nanorods with an ionic liquid. Materials Research Bulletin, 2011, 46, 888-893.	2.7	8
287	Solvent and rotational relaxation study in ionic liquid containing reverse micellar system: A picosecond fluorescence spectroscopy study. Chemical Physics Letters, 2011, 512, 217-222.	1.2	13
288	Solvation and rotational relaxation of coumarin 153 and 4-aminophthalimide in a new hydrophobic ionic liquid: Role of Nâ€“Hâ€“F interaction on solvation dynamics. Chemical Physics Letters, 2011, 515, 23-28.	1.2	27
289	Anionâ€“cation and ionâ€“solvent interaction of some typical ionic liquids in solvents with different dielectric constant. Chemical Physics Letters, 2011, 516, 35-39.	1.2	53
290	Chromium removal by emulsion liquid membrane using [BMIM]+[NTf <sub>2</sub> ] <sup>-</sup> as stabilizer and TOMAC as extractant. Desalination, 2011, 278, 50-56.	4.0	88
291	Solubility and rate of dissolution for Miscanthus in hydrophilic ionic liquids. Fluid Phase Equilibria, 2011, 309, 89-96.	1.4	48
292	Ionic Liquids: Structure and Photochemical Reactions. Annual Review of Physical Chemistry, 2011, 62, 85-105.	4.8	310
293	Understanding the polarity of ionic liquids. Physical Chemistry Chemical Physics, 2011, 13, 16831.	1.3	454
294	Room-Temperature Ionic Liquids: Solvents for Synthesis and Catalysis. 2. Chemical Reviews, 2011, 111, 3508-3576.	23.0	4,688
295	An organocatalytic ionic liquid. Organic and Biomolecular Chemistry, 2011, 9, 5362.	1.5	98
296	Neutral species from â€œnon-proticâ€œ-N-heterocyclic ionic liquids. Organic and Biomolecular Chemistry, 2011, 9, 2634.	1.5	48

#	ARTICLE	IF	CITATIONS
297	Liquid electrolytes for dye-sensitized solar cells. Dalton Transactions, 2011, 40, 10289.	1.6	156
298	Ionic Association and Solvation of the Ionic Liquid 1-Hexyl-3-methylimidazolium Chloride in Molecular Solvents Revealed by Vapor Pressure Osmometry, Conductometry, Volumetry, and Acoustic Measurements. Journal of Physical Chemistry B, 2011, 115, 13227-13240.	1.2	61
299	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
300	Association structures of ionic liquid/DMSO mixtures studied by high-pressure infrared spectroscopy. Journal of Chemical Physics, 2011, 134, 044506.	1.2	29
301	Predicting properties of new ionic liquids: density functional theory and experimental studies of tetra-alkylammonium salts of (thio)carboxylate anions, $\text{RCO}_2^-$ , $\text{RCOS}^-$ and $\text{RCS}_2^-$ . Physical Chemistry Chemical Physics, 2011, 13, 10729.	1.3	10
302	Ionic Liquids as Environmentally Friendly Solvents in Macromolecules Chemistry and Technology, Part I. Journal of Polymers and the Environment, 2011, 19, 447-484.	2.4	64
303	Diels-Alder Reaction of Cyclopentadiene and Alkyl Acrylates in the Presence of Pyrrolidinium Ionic Liquids with Various Anions. Catalysis Letters, 2011, 141, 742-747.	1.4	19
304	Novel guanidinium zwitterion and derived ionic liquids: physicochemical properties and DFT theoretical studies. Structural Chemistry, 2011, 22, 1119-1130.	1.0	10
305	Ionic liquid-based stable nanofluids containing gold nanoparticles. Journal of Colloid and Interface Science, 2011, 362, 5-14.	5.0	71
306	Cation and anion substitution effects on the ultrafast dynamics of interionic interaction in imidazolium based ionic liquids. Science China Chemistry, 2011, 54, 1491-1497.	4.2	4
307	Revisited vibrational assignments of imidazolium-based ionic liquids. Journal of Raman Spectroscopy, 2011, 42, 733-743.	1.2	141
308	Temperature-dependent $^{11}\text{B}$ spin-lattice relaxation time for $\text{BF}_4^-$ and $\text{CF}_3\text{BF}_3^-$ anions in room-temperature ionic liquids. Magnetic Resonance in Chemistry, 2011, 49, 6-8.	1.1	8
309	Thermomorphic Behavior of the Ionic Liquids $[\text{C}_4\text{mim}][\text{FeCl}_4]$ and $[\text{C}_{12}\text{mim}][\text{FeCl}_4]$ . ChemPhysChem, 2011, 12, 364-368.	1.0	56
310	Understanding the Dissolution of Polyols by Ionic Liquids Using the Example of a Well-Defined Model Compound. ChemPhysChem, 2011, 12, 2400-2404.	1.0	22
311	Is Universal, Simple Melting Point Prediction Possible?. ChemPhysChem, 2011, 12, 2959-2972.	1.0	66
312	Leveraging Gigawatt Potentials by Smart Heat-Pump Technologies Using Ionic Liquids. ChemSusChem, 2011, 4, 459-463.	3.6	33
313	Synthesis of 5-(Hydroxymethyl)furfural in Ionic Liquids: Paving the Way to Renewable Chemicals. ChemSusChem, 2011, 4, 451-458.	3.6	237
314	Ionic Liquid Catalysed Synthesis of $\alpha$ -Hydroxy Ketones. ChemSusChem, 2011, 4, 1118-1123.	3.6	24

#	ARTICLE	IF	CITATIONS
316	The Influence of Hydrogenâ€‘Bond Defects on the Properties of Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6661-6665.	7.2	114
317	Ionic Liquids: New Perspectives for Inorganic Synthesis?. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11050-11060.	7.2	284
318	Going Full Circle: Phaseâ€‘Transition Thermodynamics of Ionic Liquids. <i>Chemistry - A European Journal</i> , 2011, 17, 6508-6517.	1.7	44
319	Investigating the Imidazoliumâ€‘Anion Interaction through the Anionâ€‘Templated Construction of Interpenetrated and Interlocked Assemblies. <i>Chemistry - A European Journal</i> , 2011, 17, 12955-12966.	1.7	30
320	lonothermal synthesis, crystal structure, and properties of an anionic two-dimensional cadmium metal organic framework based on paddle wheel-like cluster. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1001-1003.	1.8	26
321	Naked metal nanoparticles from metal carbonyls in ionic liquids: Easy synthesis and stabilization. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2039-2057.	9.5	260
322	Modeling chemical equilibria, phase behavior, and transport properties in ionic liquid systems. <i>Fluid Phase Equilibria</i> , 2011, 302, 74-82.	1.4	21
323	Rattling the cage: Micro- to mesoscopic structure in liquids as simple as argon and as complicated as water. <i>Journal of Molecular Liquids</i> , 2011, 159, 2-8.	2.3	37
324	Is the ionic liquid 1-ethyl-3-methylimidazolium methanesulfonate [emim][MeSO <sub>3</sub> ] capable of rigidly binding water?. <i>Journal of Molecular Liquids</i> , 2011, 160, 166-179.	2.3	66
325	Application of ionic liquids in photopolymerizable holographic materials. <i>Optical Materials</i> , 2011, 33, 759-762.	1.7	14
326	Ultrasound promoted greener synthesis of 2-(3,5-diaryl-4,5-dihydro-1H-pyrazol-1-yl)-4-phenylthiazoles. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 370-374.	3.8	32
327	Nanoscale liquid droplet deposition using the ultrasmall aperture on a dynamic mode AFM tip. <i>Nanotechnology</i> , 2011, 22, 175301.	1.3	17
328	Synthesis of AgCl nanoparticles based on ionic liquid microemulsions and preparation of AgCl/C&lt;inf&gt;12&lt;/inf&gt;mimCl-PMMA hybrid membranes. , 2011, , .		0
329	Ionic liquidsâ€‘an Overview. <i>Science Progress</i> , 2011, 94, 265-297.	1.0	32
330	What makes ionic fluids characteristically ionic? A corresponding-states analysis of the surface tension of an ionic model fluid with variable dispersion interactions. <i>Journal of Chemical Physics</i> , 2011, 134, 094703.	1.2	15
331	Nanoscale heterogeneity in alkyl-methylimidazolium bromide ionic liquids. <i>Journal of Chemical Physics</i> , 2011, 134, 104509.	1.2	71
332	X-Ray absorption spectroscopy investigation of 1-alkyl-3-methylimidazolium bromide salts. <i>Journal of Chemical Physics</i> , 2011, 135, 074505.	1.2	31
333	Photoisomerization dynamics of 3,3â€‘-diethyloxadicarbocyanine iodide in ionic liquids: Breakdown of hydrodynamic Kramers model. <i>Journal of Chemical Physics</i> , 2011, 135, 174505.	1.2	7

#	ARTICLE	IF	CITATIONS
334	Transport properties of room-temperature ionic liquids from classical molecular dynamics. <i>Journal of Chemical Physics</i> , 2012, 137, 044508.	1.2	36
335	Recent Advances in Dispersive Liquid - Liquid Microextraction for Organic Compounds Analysis in Environmental Water: A Review. <i>Current Analytical Chemistry</i> , 2012, 8, 78-90.	0.6	82
336	Artificial Neural Network for Compositional Ionic Liquid Viscosity Prediction. <i>International Journal of Computational Intelligence Systems</i> , 2012, 5, 460.	1.6	7
337	Liquid-liquid extraction process of amino acids by a new amide-based functionalized ionic liquid. <i>Green Chemistry</i> , 2012, 14, 1721.	4.6	42
338	Shear Relaxation of Water-Ionic Liquid Mixtures. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 701-705.	2.0	23
339	Development and Application of New Oxidation Systems Utilizing Oxometalate Catalysts. <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 799-817.	0.6	6
340	Ionic Liquids as Green Solvents: Progress and Prospects. , 2012, , 1-32.		53
341	Functionalization of Carbon Nanotubes with Ionic Liquids. , 2012, , 399-434.		2
342	Interionic Interactions in Imidazolic Ionic Liquids Probed by Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1491-1498.	1.2	23
343	Rotational and Translational Diffusion of Spin Probes in Room-Temperature Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12295-12305.	1.2	40
344	Mechanistic Studies on Lewis Acid Catalyzed Biginelli Reactions in Ionic Liquids: Evidence for the Reactive Intermediates and the Role of the Reagents. <i>Journal of Organic Chemistry</i> , 2012, 77, 10184-10193.	1.7	90
345	Nanoscale Perturbations of Room Temperature Ionic Liquid Structure at Charged and Uncharged Interfaces. <i>ACS Nano</i> , 2012, 6, 9818-9827.	7.3	151
346	Dielectric relaxation and ultrafast transient absorption spectroscopy of [C6mim] <sup>+</sup> [Tf2N] <sup>-</sup> /acetonitrile mixtures. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3596.	1.3	11
347	Recent developments in the study of ionic liquid interfaces using X-ray photoelectron spectroscopy and potential future directions. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5010.	1.3	120
348	Encapsulated ionic liquids (ENILs): from continuous to discrete liquid phase. <i>Chemical Communications</i> , 2012, 48, 10046.	2.2	49
349	Excited-state proton-relay dynamics of 7-hydroxyquinoline controlled by solvent reorganization in room temperature ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 218-224.	1.3	6
350	The ion speciation of ionic liquids in molecular solvents of low and medium polarity. <i>Faraday Discussions</i> , 2012, 154, 391-407.	1.6	38
351	Influence of the ionic liquid/gas surface on ionic liquid chemistry. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5071.	1.3	83

#	ARTICLE	IF	CITATIONS
352	Chiroptical Study of Chiral Discrimination by Amino Acid Based Ionic Liquids. Journal of Physical Chemistry B, 2012, 116, 4952-4958.	1.2	23
353	Controlling Hydrolysis Reaction Rates with Binary Ionic Liquid Mixtures by Tuning Hydrogen-Bonding Interactions. Journal of Physical Chemistry B, 2012, 116, 1858-1864.	1.2	34
354	Hydrogen bonding in ionic liquids probed by linear and nonlinear vibrational spectroscopy. New Journal of Physics, 2012, 14, 105026.	1.2	102
355	Mesoscopic Structural Heterogeneities in Room-Temperature Ionic Liquids. Journal of Physical Chemistry Letters, 2012, 3, 27-33.	2.1	352
356	Fluorescence, Phosphorescence, and Delayed Fluorescence of Benzil in Imidazolium Ionic Liquids. Australian Journal of Chemistry, 2012, 65, 1291.	0.5	2
357	Microheterogeneity of Some Imidazolium Ionic Liquids As Revealed by Fluorescence Correlation Spectroscopy and Lifetime Studies. Journal of Physical Chemistry B, 2012, 116, 12275-12283.	1.2	90
358	Rotational Dynamics of Coumarin-153 and 4-Aminophthalimide in 1-Ethyl-3-methylimidazolium Alkylsulfate Ionic Liquids: Effect of Alkyl Chain Length on the Rotational Dynamics. Journal of Physical Chemistry B, 2012, 116, 194-202.	1.2	64
359	Imaging of a Tribolayer Formed from Ionic Liquids by Laser Desorption/Ionization-Reflectron Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2012, 84, 10708-10714.	3.2	13
360	Steering the enzymatic activity of proteins by ionic liquids. A case study of the enzyme kinetics of yeast alcohol dehydrogenase. Physical Chemistry Chemical Physics, 2012, 14, 4635.	1.3	27
361	In Situ Molecular Level Measurements of Ion Dynamics in an Electrochemical Capacitor. Journal of Physical Chemistry Letters, 2012, 3, 3297-3301.	2.1	23
362	Comparison of the Phase Behavior and Thermodynamic Properties between Ionic Liquid "Oil and Water" Oil Microemulsion Systems. Journal of Chemical & Engineering Data, 2012, 57, 2394-2400.	1.0	16
363	Thermal Analysis and Raman Spectra of Different Phases of the Ionic Liquid Butyltrimethylammonium Bis(trifluoromethylsulfonyl)imide. Journal of Physical Chemistry B, 2012, 116, 9238-9245.	1.2	35
364	Conformational Flexibility and Cation "Anion Interactions in 1-Butyl-2,3-dimethylimidazolium Salts. Crystal Growth and Design, 2012, 12, 1838-1846.	1.4	15
365	Carbon Dioxide in 1-Butyl-3-methylimidazolium Acetate. I. Unusual Solubility Investigated by Raman Spectroscopy and DFT Calculations. Journal of Physical Chemistry A, 2012, 116, 1605-1620.	1.1	120
366	Interaction of Levitated Ionic Liquid Droplets with Water. Journal of Physical Chemistry B, 2012, 116, 14171-14177.	1.2	20
367	Ion Pairing and Dynamics of the Ionic Liquid 1-Hexyl-3-methylimidazolium Bis(irifluoromethylsulfonyl)amide ([C <sub>6</sub> mim][NTf <sub>2</sub> ]) in the Low Dielectric Solvent Chloroform. Journal of Physical Chemistry B, 2012, 116, 11488-11497.	1.2	28
368	Fluorescence Response of Coumarin-153 in <i>N</i> -Alkyl- <i>N</i> -methylmorpholinium Ionic Liquids: Are These Media More Structured than the Imidazolium Ionic Liquids?. Journal of Physical Chemistry B, 2012, 116, 13430-13438.	1.2	66
369	How ionic liquids can help to stabilize native proteins. Physical Chemistry Chemical Physics, 2012, 14, 415-426.	1.3	250

#	Citation	IF	CITATIONS
370	1-butyl-3-methylimidazolium hexafluorophosphate: Results from Equation of state modelling of systems with ionic liquids: Literature review and application with the Cubic Plus Association (CPA) model. Fluid Phase Equilibria, 2012, 332, 128-143.	1.1	20
371	Equation of state modelling of systems with ionic liquids: Literature review and application with the Cubic Plus Association (CPA) model. Fluid Phase Equilibria, 2012, 332, 128-143.	1.4	82
372	Surface Tension of Binary Mixtures of 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids: Experimental Measurements and Soft-SAFT Modeling. Journal of Physical Chemistry B, 2012, 116, 12133-12141.	1.2	61
373	Influence of anionic components of ionic liquid solvents on oxidative addition reactions of organoplatinum(ii) complexes with MeI. New Journal of Chemistry, 2012, 36, 1739.	1.4	11
374	Intrinsic Electric Fields in Ionic Liquids Determined by Vibrational Stark Effect Spectroscopy and Molecular Dynamics Simulation. Chemistry - A European Journal, 2012, 18, 11904-11908.	1.7	39
375	Vapochromic Ionic Liquids from Metal-Chelate Complexes Exhibiting Reversible Changes in Color, Thermal, and Magnetic Properties. Chemistry - A European Journal, 2012, 18, 11929-11936.	1.7	79
376	High Viscosity of Imidazolium Ionic Liquids with the Hydrogen Sulfate Anion: A Raman Spectroscopy Study. Journal of Physical Chemistry B, 2012, 116, 7281-7290.	1.2	66
377	Structural Studies on the Basic Ionic Liquid 1-Ethyl-1,4-diazabicyclo[2.2.2]octanium Bis(trifluoromethylsulfonyl)imide and Its Bromide Precursor. Crystal Growth and Design, 2012, 12, 2803-2813.	1.4	19
379	Quantum Mechanical Continuum Solvation Models for Ionic Liquids. Journal of Physical Chemistry B, 2012, 116, 9122-9129.	1.2	225
380	Biomass-Derived Platform Chemicals: Thermodynamic Studies on the Extraction of 5-Hydroxymethylfurfural from Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 2985-2991.	1.0	26
381	Ionic Liquids as Binary Mixtures with Selected Molecular Solvents, Reactivity Characterisation and Molecular-Microscopic Properties. , 2012, , 335-362.		1
382	Room Temperature Ionic Liquids (RTILs) Versus Volatile Organic Compounds (VOCs) in Organic Electrosynthesis: The Requirement of a Careful Comparison. , 2012, , 435-471.		4
383	Effects of silica nanoparticle supported ionic liquid as additive on thermal reversibility of human carbonic anhydrase II. International Journal of Biological Macromolecules, 2012, 51, 933-938.	3.6	15
384	Solid acid mediated hydrolysis of biomass for producing biofuels. Progress in Energy and Combustion Science, 2012, 38, 672-690.	15.8	226
385	Developing criteria for the recovery of ionic liquids from aqueous phase by adsorption with activated carbon. Separation and Purification Technology, 2012, 97, 11-19.	3.9	82
386	Thermodynamic Modeling of Imidazolium-Based Ionic Liquids with the PF <sub>6</sub> <sup>-</sup> Anion for Separation Purposes. Separation Science and Technology, 2012, 47, 399-410.	1.3	49
387	Ether-Functionalized Trialkylimidazolium Ionic Liquids: Synthesis, Characterization, and Properties. Industrial & Engineering Chemistry Research, 2012, 51, 11011-11020.	1.8	41
388	A transparent, flexible, ion conductive, and luminescent PMMA ionogel based on a Pt/Eu bimetallic complex and the ionic liquid [Bmim][N(Tf) <sub>2</sub> ]. Journal of Materials Chemistry, 2012, 22, 8110.	6.7	54

#	ARTICLE	IF	CITATIONS
389	Modeling the [NTf <sub>2</sub> ] Pyridinium Ionic Liquids Family and Their Mixtures with the Soft Statistical Associating Fluid Theory Equation of State. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9089-9100.	1.2	55
390	Distinct influence of the anion and ether group on the polarity of ammonium and imidazolium ionic liquids. <i>New Journal of Chemistry</i> , 2012, 36, 1043.	1.4	31
391	Electron solvation dynamics and reactivity in ionic liquids observed by picosecond radiolysis techniques. <i>Faraday Discussions</i> , 2012, 154, 353-363.	1.6	36
392	1H-1,2,4-Triazole as solvent for imidazolium methanesulfonate. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11441.	1.3	24
393	A general strategy for the experimental study of the thermochemistry of protic ionic liquids: enthalpy of formation and vaporisation of 1-methylimidazolium ethanoate. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4440.	1.3	22
394	Extraction Process of Dibenzothiophene with New Distillable Amine-Based Protic Ionic Liquids. <i>Energy &amp; Fuels</i> , 2012, 26, 3723-3727.	2.5	63
395	The physicochemical properties of some imidazolium-based ionic liquids and their binary mixtures. <i>Science China Chemistry</i> , 2012, 55, 1509-1518.	4.2	59
396	Spectroscopic and computational analysis of the molecular interactions in the ionic liquid ion pair [BMP] <sup>+</sup> [TFSI] <sup>-</sup> . <i>Journal of Molecular Liquids</i> , 2012, 175, 141-147.	2.3	29
397	Structure and Dynamics of an Ionic Liquid Confined Inside a Charged Slit Graphitic Nanopore. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14504-14513.	1.5	63
398	Structure, thermodynamic and transport properties of imidazolium-based bis(trifluoromethylsulfonyl)imide ionic liquids from molecular dynamics simulations. <i>Molecular Physics</i> , 2012, 110, 1139-1152.	0.8	23
399	A quantitative ionicity scale for liquid chloride salts. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13053.	1.3	11
400	Ionic Conduction and Dielectric Response of Poly(imidazolium acrylate) Ionomers. <i>Macromolecules</i> , 2012, 45, 3974-3985.	2.2	151
401	Supramolecular architectures of symmetrical dicationic ionic liquid based systems. <i>CrystEngComm</i> , 2012, 14, 4886.	1.3	19
402	Umpolung reactions in an ionic liquid catalyzed by electrogenerated N-heterocyclic carbenes. Synthesis of saturated esters from activated 1,2-unsaturated aldehydes. <i>Chemical Communications</i> , 2012, 48, 5361.	2.2	44
403	New experimental evidence supporting the mesoscopic segregation model in room temperature ionic liquids. <i>Faraday Discussions</i> , 2012, 154, 97-109.	1.6	195
404	Green Solvents II. , 2012, , .		48
405	Extraction of Asphaltenes from Direct Coal Liquefaction Residue by Dialkylphosphate Ionic Liquids. <i>Separation Science and Technology</i> , 2012, 47, 386-391.	1.3	18
406	Correlating backbone-to-backbone distance to ionic conductivity in amorphous polymerized ionic liquids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 338-346.	2.4	122

#	ARTICLE	IF	CITATIONS
408	New structural and vibrational opportunities combining Hyper-Rayleigh/hyper-Raman and Raman scattering in isotropic materials. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 627-636.	1.2	22
409	Hydrogen Bonding in 1-Butyl- and 1-Ethyl-3-methylimidazolium Chloride Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4921-4933.	1.2	150
410	Photoinduced Electron Transfer in an Imidazolium Ionic Liquid and in Its Binary Mixtures with Water, Methanol, and 2-Propanol: Appearance of Marcus-Type of Inversion. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1335-1344.	1.2	28
411	Effects of Lithium Salts on Shear Relaxation Spectra of Pyrrolidinium-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7322-7327.	1.2	4
412	Understanding Structures and Hydrogen Bonds of Ionic Liquids at the Electronic Level. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1007-1017.	1.2	150
413	Thermodynamic Modeling of Ionic Liquid Systems: Development and Detailed Overview of Novel Methodology Based on the PC-SAFT. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5002-5018.	1.2	103
414	State-of-the-Art of CO <sub>2</sub> Capture with Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 8149-8177.	1.8	881
415	An Elastomeric Poly(Thiophene-EDOT) Composite with a Dynamically Variable Permeability Towards Organic and Water Vapors. <i>Advanced Functional Materials</i> , 2012, 22, 3116-3127.	7.8	13
416	A Liquid-Liquid Biphasic Homogeneous Organocatalytic Aldol Protocol Based on the Use of a Silica Gel Bound Multilayered Ionic Liquid Phase. <i>ChemCatChem</i> , 2012, 4, 1000-1006.	1.8	42
417	Lanthanoid-Based Ionic Liquids Incorporating the Dicyanonitrosomethanide Anion. <i>Chemistry - A European Journal</i> , 2012, 18, 9580-9589.	1.7	25
418	Ionic Liquids of Cationic Sandwich Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 6795-6804.	1.7	71
419	Reactive Half-Metalocenium Ionic Liquids That Undergo Solventless Ligand Exchange. <i>Chemistry - A European Journal</i> , 2012, 18, 8070-8075.	1.7	29
420	Synthesis and Functional Characterization of Tridegin and Its Analogues: Inhibitors and Substrates of Factor XIIIa. <i>ChemMedChem</i> , 2012, 7, 326-333.	1.6	23
421	Comparison of Low-Frequency Spectra between Aromatic and Nonaromatic Cation Based Ionic Liquids Using Femtosecond Raman-Induced Kerr Effect Spectroscopy. <i>ChemPhysChem</i> , 2012, 13, 1638-1648.	1.0	59
422	NMR Investigation of Imidazolium-Based Ionic Liquids and Their Aqueous Mixtures. <i>ChemPhysChem</i> , 2012, 13, 1339-1346.	1.0	45
423	Probing Thermal Interactions of Ionic Liquids with Dimethyl Sulfoxide. <i>ChemPhysChem</i> , 2012, 13, 1927-1933.	1.0	14
424	Determination of Hydrogen-Bond-Accepting and -Donating Abilities of Ionic Liquids with Halogeno Complex Anions by Means of <sup>1</sup> H NMR Spectroscopy. <i>ChemPhysChem</i> , 2012, 13, 1910-1916.	1.0	36
425	The Effect of Neutral Ion Aggregate Formation on the Electrical Conductivity of an Ionic Liquid and its Mixtures with Chloroform. <i>ChemPhysChem</i> , 2012, 13, 1748-1752.	1.0	29



#	ARTICLE	IF	CITATIONS
426	Cation- $\pi$ Interactions between a Free-Base Porphyrin and an Ionic Liquid: A Computational Study. ChemPhysChem, 2012, 13, 1743-1747.	1.0	18
427	Factors Controlling the Diffusion of Ions in Ionic Liquids. ChemPhysChem, 2012, 13, 1664-1670.	1.0	78
428	Structural Studies on Ionic Liquid/Water/Peptide Systems by HR-MAS NMR Spectroscopy. ChemPhysChem, 2012, 13, 1836-1844.	1.0	17
429	Studies on the Solvation Dynamics of Coumarin 153 in 1-ethyl-3-methylimidazolium Alkylsulfate Ionic Liquids: Dependence on Alkyl Chain Length. ChemPhysChem, 2012, 13, 2761-2768.	1.0	37
430	Do anions influence the polarity of protic ionic liquids?. Physical Chemistry Chemical Physics, 2012, 14, 2754.	1.3	65
431	Effect of central linkages on mesophase behavior of imidazolium-based rod-like ionic liquid crystals. Soft Matter, 2012, 8, 2274.	1.2	23
432	Graphene-doped photo-patternable ionogels: tuning of conductivity and mechanical stability of 3D microstructures. Journal of Materials Chemistry, 2012, 22, 10552.	6.7	24
433	Clean Preparation Process of Chitosan Oligomers in Gly Series Ionic Liquids Homogeneous System. Journal of Polymers and the Environment, 2012, 20, 388-394.	2.4	8
434	Improved separation efficiency using ionic liquid-cosolvent mixtures as the extractant in liquid-liquid extraction: A multiple adjustment and synergistic effect. Chemical Engineering Journal, 2012, 181-182, 334-342.	6.6	93
435	Using artificial neural network to predict the ternary electrical conductivity of ionic liquid systems. Fluid Phase Equilibria, 2012, 314, 128-133.	1.4	63
436	Shear relaxation of ammonium- and phosphonium-based ionic liquids with oxyethylene chain. Chemical Physics Letters, 2012, 521, 69-73.	1.2	16
437	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. Microchemical Journal, 2012, 101, 5-10.	2.3	82
438	Steady-state and time-resolved fluorescence behavior of coumarin-153 in a hydrophobic ionic liquid and ionic liquid-toluene mixture. Journal of Molecular Liquids, 2012, 165, 38-43.	2.3	25
439	Antimicrobial activity of the ionic liquids triethanolamine acetate and diethanolamine chloride, and their corresponding Pd(II) complexes. Journal of Molecular Liquids, 2012, 170, 61-65.	2.3	22
440	Thermal properties of alkyloctamethylferrocenium salts with TFSA and TCNE (TFSA =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 Td (bis(78-82.	1.2	17
441	Tunable protic ionic liquids as solvent-catalysts for improved synthesis of multiply substituted 1,2,4-triazoles from oxadiazoles and organoamines. Tetrahedron, 2012, 68, 4813-4819.	1.0	27
442	Facile catalytic dehydration of fructose to 5-hydroxymethylfurfural by Niobium pentachloride. Tetrahedron Letters, 2012, 53, 3149-3155.	0.7	41
443	Ultrasound-assisted synthesis of aliphatic acid esters at room temperature. Ultrasonics Sonochemistry, 2012, 19, 387-389.	3.8	29

#	ARTICLE	IF	CITATIONS
444	Relative hydrophobicity of equilibrium phases in biphasic systems (ionic liquid+water). Journal of Chemical Thermodynamics, 2012, 48, 221-228.	1.0	29
445	Ionothermal synthesis of hierarchical BiOBr microspheres for water treatment. Journal of Hazardous Materials, 2012, 211-212, 104-111.	6.5	126
446	Solvation and rotational relaxation of coumarin 153 in a new hydrophobic ionic liquid: An excitation wavelength dependence study. Journal of Luminescence, 2012, 132, 368-374.	1.5	19
447	Heteronuclear NOE Spectroscopy of Ionic Liquids. ChemPhysChem, 2012, 13, 261-266.	1.0	50
448	Determination of LFER Descriptors of 30 Cations of Ionic Liquids – Progress in Understanding Their Molecular Interaction Potentials. ChemPhysChem, 2012, 13, 780-787.	1.0	13
449	A Short History of Phase Transitions in Ionic Fluids. Contributions To Plasma Physics, 2012, 52, 78-88.	0.5	25
450	High-Temperature Gating of Solid-State Nanopores with Thermo-Responsive Macromolecular Nanoactuators in Ionic Liquids. Advanced Materials, 2012, 24, 962-967.	11.1	98
451	Selective isolation of hemoglobin by use of imidazolium-modified polystyrene as extractant. Analytical and Bioanalytical Chemistry, 2013, 405, 5353-5358.	1.9	16
452	Exploring the thermal stability of $\beta$ -chymotrypsin in protic ionic liquids. Process Biochemistry, 2013, 48, 462-470.	1.8	64
453	Slow molecular mobility in the amorphous solid and the metastable liquid states of three 1-alkyl-3-methylimidazolium chlorides. Journal of Molecular Liquids, 2013, 178, 142-148.	2.3	16
454	Organometallic ionic liquids from alkyloctamethylferrocenium cations: thermal properties, crystal structures, and magnetic properties. Dalton Transactions, 2013, 42, 8317.	1.6	49
455	Influence of the organization of water-in-ionic liquid microemulsions on the size of silver particles during photoreduction. Journal of Colloid and Interface Science, 2013, 406, 94-104.	5.0	19
456	Influence of ionic liquid film thickness on ion pair distributions and orientations at graphene and vacuum interfaces. Physical Chemistry Chemical Physics, 2013, 15, 13559.	1.3	42
457	Distribution of 1-Butyl-3-methylimidazolium Bistrifluoromethylsulfonimide in Mesoporous Silica As a Function of Pore Filling. Journal of Physical Chemistry C, 2013, 117, 15754-15762.	1.5	37
458	The Literature of Heterocyclic Chemistry, Part XI, 2008 – 2009. Advances in Heterocyclic Chemistry, 2013, , 195-290.	0.9	10
459	Origin of the correlation between the standard Gibbs energies of ion transfer from water to a hydrophobic ionic liquid and to a molecular solvent. Electrochimica Acta, 2013, 87, 591-598.	2.6	8
460	Asymmetry effect of novel per(fluoroalkylsulfonyl)imide anions in pyrrolidinium ionic liquids. RSC Advances, 2013, 3, 17755.	1.7	18
461	Study of thermodynamic properties of imidazolium-based ionic liquids and investigation of the alkyl chain length effect by molecular dynamics simulation. Molecular Simulation, 2013, 39, 1070-1078.	0.9	19

#	ARTICLE	IF	CITATIONS
463	Photoinduced electron transfer between coumarin dyes and N,N-dimethylaniline in imidazolium based room temperature ionic liquids: Effect of the cation's alkyl chain length on the bimolecular photoinduced electron transfer process. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 260, 39-49.	2.0	16
464	Organometallic Ionic Liquids from Cationic Arene-Ruthenium Complexes. <i>Organometallics</i> , 2013, 32, 780-787.	1.1	25
465	Dynamic and Structural Properties of Room-Temperature Ionic Liquids near Silica and Carbon Surfaces. <i>Langmuir</i> , 2013, 29, 9744-9749.	1.6	59
466	Absorption and Biodegradation of Hydrophobic Volatile Organic Compounds in Ionic Liquids. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	23
467	Diffusion-Viscosity Decoupling in Solute Rotation and Solvent Relaxation of Coumarin153 in Ionic Liquids Containing Fluoroalkylphosphate (FAP) Anion: A Thermophysical and Photophysical Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 636-647.	1.2	61
468	Structural features of ionic liquids: consequences for material preparation and organic reactivity. <i>Green Chemistry</i> , 2013, 15, 2655.	4.6	88
469	Graphene in Ionic Liquids: Collective van der Waals Interaction and Hindrance of Self-Assembly Pathway. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10540-10547.	1.2	46
470	Insights on cholinium- and piperazinium-based ionic liquids under external electric fields: A molecular dynamics study. <i>Journal of Chemical Physics</i> , 2013, 139, 224502.	1.2	12
471	Extraction of saponins from sisal ( <i>Agave sisalana</i> ) and juçara ( <i>Ziziphus joazeiro</i> ) with cholinium-based ionic liquids and deep eutectic solvents. <i>European Food Research and Technology</i> , 2013, 237, 965-975.	1.6	46
472	Helium Nanodroplet Isolation and Infrared Spectroscopy of the Isolated Ion-Pair 1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. <i>Journal of Physical Chemistry A</i> , 2013, 117, 9047-9056.	1.1	34
473	Refining classical force fields for ionic liquids: theory and application to [MMIM][Cl]. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2037-2049.	1.3	23
474	Coordination of Terpyridine to Li <sup>+</sup> in Two Different Ionic Liquids. <i>Inorganic Chemistry</i> , 2013, 52, 13167-13178.	1.9	8
475	An Ionic Liquid Dependent Mechanism for Base Catalyzed $\beta$ -Elimination Reactions from QM/MM Simulations. <i>Journal of the American Chemical Society</i> , 2013, 135, 1065-1072.	6.6	33
476	Cross-Linked Block Copolymer/Ionic Liquid Self-Assembled Blends for Polymer Gel Electrolytes with High Ionic Conductivity and Mechanical Strength. <i>Macromolecules</i> , 2013, 46, 9313-9323.	2.2	86
477	Excited-State Proton Transfer of Fluorescein Anion as an Ionic Liquid Component. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14108-14114.	1.2	12
478	Equilibrium of Contact and Solvent-Separated Ion Pairs in Mixtures of Protic Ionic Liquids and Molecular Solvents Controlled by Polarity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12439-12442.	7.2	59
479	Dynamics of Excess Electronic Charge in Aliphatic Ionic Liquids Containing the Bis(trifluoromethylsulfonyl)amide Anion. <i>Journal of the American Chemical Society</i> , 2013, 135, 17528-17536.	6.6	28
480	Calorimetric Study on the Ion Pairing and Aggregation of 1-Ethyl-3-Methylimidazolium bis(trifluoromethylsulfonyl)amide ([C2mim][NTf2]) and Related Ionic Liquids in the Low-Dielectric Constant Solvent Chloroform. <i>Journal of Solution Chemistry</i> , 2013, 42, 2034-2056.	0.6	19

#	ARTICLE	IF	CITATIONS
481	Hydrogen-bonding interactions between [BMIM][BF <sub>4</sub> ] and acetonitrile. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18055.	1.3	150
482	Some physico-chemical properties of ethanolamine ionic liquids: Behavior in different solvents. <i>Journal of Molecular Liquids</i> , 2013, 179, 98-103.	2.3	19
483	How Strong Is Hydrogen Bonding in Ionic Liquids? Combined X-ray Crystallographic, Infrared/Raman Spectroscopic, and Density Functional Theory Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9094-9105.	1.2	130
484	Ionic Liquids as Additives for Extraction of Saponins and Polyphenols from Mate ( <i>Ilex paraguariensis</i> ) and Tea ( <i>Camellia sinensis</i> ). <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 12146-12153.	1.8	52
485	Solubilities of Small Hydrocarbons in Tetrabutylphosphonium Bis(2,4,4-trimethylpentyl) Phosphinate and in 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 14975-14978.	1.8	40
486	Mesoscopic structural organization in triphilic room temperature ionic liquids. <i>Faraday Discussions</i> , 2013, 167, 499.	1.6	73
487	From the dissolution to the extraction of carbohydrates using ionic liquids. <i>RSC Advances</i> , 2013, 3, 20219.	1.7	24
488	Do H-bonds explain strong ion aggregation in ethylammonium nitrate + acetonitrile mixtures?. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18445.	1.3	16
489	Ion Dynamics in Porous Carbon Electrodes in Supercapacitors Using in Situ Infrared Spectroelectrochemistry. <i>Journal of the American Chemical Society</i> , 2013, 135, 12818-12826.	6.6	174
490	Efficient Sustainable Tool for Monitoring Chemical Reactions and Structure Determination in Ionic Liquids by ESI-MS. <i>ChemistryOpen</i> , 2013, 2, 208-214.	0.9	6
491	Unusual phase transition mechanism of poly(ethylene oxide) in an ionic liquid: opposite frequency shifts in C-H groups. <i>Soft Matter</i> , 2013, 9, 11585.	1.2	32
492	Thermal decomposition of carboxylate ionic liquids: trends and mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20480.	1.3	217
493	Ionic liquids from copper(ii) complexes with alkylimidazole-containing tripodal ligands. <i>Dalton Transactions</i> , 2013, 42, 10138.	1.6	20
494	Solvent nanostructure, the solvophobic effect and amphiphile self-assembly in ionic liquids. <i>Chemical Society Reviews</i> , 2013, 42, 1096-1120.	18.7	333
495	Friction and Wear Behavior of CF/PTFE Composites Lubricated by Choline Chloride Ionic Liquids. <i>Tribology Letters</i> , 2013, 49, 413-420.	1.2	25
496	Cyclic Voltammetric Study of Heterogeneous Electron Transfer Rate Constants of Various Organic Compounds in Ionic liquids: Measurements at Room Temperature. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 105-120.	1.4	19
497	Direct observation of spiropyran phosphorescence in imidazolium ionic liquids. <i>Chemical Physics Letters</i> , 2013, 556, 102-107.	1.2	9
498	High Solubilities of Small Hydrocarbons in Trihexyl Tetradecylphosphonium Bis(2,4,4-trimethylpentyl) Phosphinate. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10534-10539.	1.2	45

#	ARTICLE	IF	CITATIONS
499	Metal Nanoparticle Synthesis in Ionic Liquids. Topics in Organometallic Chemistry, 2013, , 17-53.	0.7	27
500	In Situ Spectroscopic Measurements of Individual Cation and Anion Dynamics in a RuO <sub>2</sub> Electrochemical Capacitor. Journal of the Electrochemical Society, 2013, 160, A862-A868.	1.3	6
501	First volatility study of the 1-alkylpyridinium based ionic liquids by Knudsen effusion. Chemical Physics Letters, 2013, 585, 59-62.	1.2	41
502	Physico-chemical properties and nanoscale morphology in N-alkyl-N-methylmorpholinium dicyanamide room temperature ionic liquids. Journal of Molecular Liquids, 2013, 187, 252-259.	2.3	18
503	Interactions in 1-ethyl-3-methyl imidazolium tetracyanoborate ion pair: Spectroscopic and density functional study. Journal of Molecular Structure, 2013, 1038, 12-18.	1.8	31
504	Conductivity, density and adiabatic compressibility of 1-butyl-2,3-dimethylimidazolium chloride in aqueous solutions. Thermochemica Acta, 2013, 573, 200-205.	1.2	11
505	Exploring physicochemical aspects of N-alkylimidazolium based ionic liquids. Journal of Molecular Liquids, 2013, 181, 142-151.	2.3	32
506	NMR Studies of Molten Salt and Room Temperature Ionic Liquids. Annual Reports on NMR Spectroscopy, 2013, , 149-207.	0.7	16
507	Steric, hydrogen-bonding and structural heterogeneity effects on the nucleophilic substitution of N-(p-fluorophenyldiphenylmethyl)-4-picolinium chloride in ionic liquids. Organic and Biomolecular Chemistry, 2013, 11, 2534.	1.5	26
508	Pressure Effects on Emim[FeCl <sub>4</sub> ], a Magnetic Ionic Liquid with Three-Dimensional Magnetic Ordering. Journal of Physical Chemistry B, 2013, 117, 3198-3206.	1.2	29
509	Studies on the Dissolution of Glucose in Ionic Liquids and Extraction Using the Antisolvent Method. Environmental Science & Technology, 2013, 47, 2809-2816.	4.6	44
510	Polymerized Ionic Liquids with Enhanced Static Dielectric Constants. Macromolecules, 2013, 46, 1175-1186.	2.2	126
511	Understanding Solid-Phase Microextraction: Key Factors Influencing the Extraction Process and Trends in Improving the Technique. Chemical Reviews, 2013, 113, 1667-1685.	23.0	171
512	Conductivity and Solvation Dynamics in Ionic Liquids. Journal of Physical Chemistry Letters, 2013, 4, 1205-1210.	2.1	60
513	Excess Enthalpies of Mixing of Piperidinium Ionic Liquids with Short-Chain Alcohols: Measurements and PC-SAFT Modeling. Journal of Physical Chemistry B, 2013, 117, 3884-3891.	1.2	41
514	Nanosopic Vision on Fuel Dearomatization Using Ionic Liquids: The Case of Piperazine-Based Fluids. Energy & Fuels, 2013, 27, 2515-2527.	2.5	22
515	Advances in QSPR/QSTR models of ionic liquids for the design of greener solvents of the future. Molecular Diversity, 2013, 17, 151-196.	2.1	135
516	Ionic liquids based on the bis(trifluoromethylsulfonyl)imide anion for high-pressure Raman spectroscopy measurements. Journal of Raman Spectroscopy, 2013, 44, 481-484.	1.2	19

#	ARTICLE	IF	CITATIONS
517	Insights into the interplay between molecular structure and diffusional motion in 1-alkyl-3-methylimidazolium ionic liquids: a combined PFG NMR and X-ray scattering study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5510.	1.3	84
518	NMR studies of ionic liquids: Structure and dynamics. <i>Current Opinion in Colloid and Interface Science</i> , 2013, 18, 183-189.	3.4	70
519	Measurement and study of density, surface tension, and viscosity of quaternary ammonium-based ionic liquids ([N222(n)]Tf2N). <i>Journal of Chemical Thermodynamics</i> , 2013, 65, 42-52.	1.0	84
520	From Short-Range to Long-Range Intermolecular NOEs in Ionic Liquids: Frequency Does Matter. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9242-9246.	7.2	36
522	Ionic liquids containing fluorinated $\beta$ -diketonate anions: synthesis, characterization and potential applications. <i>New Journal of Chemistry</i> , 2013, 37, 909.	1.4	19
523	$^{13}\text{C}(\text{CH}_2)$ in Biphasic Systems of Water and Bis(trifluoromethylsulfonyl)Imide-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 1565-1570.	1.0	1
524	Renewable Feedstocks in Green Solvents: Thermodynamic Study on Phase Diagrams of $\alpha$ -Sorbitol and Xylitol with Dicyanamide Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7034-7046.	1.2	33
525	Ab Initio Study on an Excited-State Intramolecular Proton-Transfer Reaction in Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6759-6767.	1.2	41
526	Cage-Like Local Structure of Ionic Liquids Revealed by a $^{129}\text{Xe}$ Chemical Shift. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1608-1612.	2.1	31
527	Intermolecular/Interionic Vibrations of 1-Methyl-3-n-octylimidazolium Tetrafluoroborate Ionic Liquid and Benzene Mixtures. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7985-7995.	1.2	26
528	Association of Ionic Liquids in Solution: Conductivity Studies of [BMIM][Cl] and [BMIM][PF6] in Binary Mixtures of Acetonitrile + Methanol. <i>Journal of Solution Chemistry</i> , 2013, 42, 738-745.	0.6	16
529	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
530	Noncovalent interactions in halogenated ionic liquids: theoretical study and crystallographic implications. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4405.	1.3	21
531	Multiscale coarse-grained simulations of ionic liquids: comparison of three approaches to derive effective potentials. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7701.	1.3	41
532	Mechanisms of the Water-Gas Shift Reaction Catalyzed by Ruthenium Pentacarbonyl: A Density Functional Theory Study. <i>Inorganic Chemistry</i> , 2013, 52, 4786-4794.	1.9	23
533	Interpretation of the Variation of the Walden Product of Ionic Liquids with Different Alkyl Chain Lengths in Terms of Relaxation Spectra. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4121-4126.	1.2	10
534	Fluorescence Anisotropy of a Nonpolar Solute in 1-Alkyl-3-Methylimidazolium-Based Ionic Liquids: Does the Organized Structure of the Ionic Liquid Influence Solute Rotation?. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5050-5057.	1.2	27
535	Influence of the Organized Structure of 1-Alkyl-3-Methylimidazolium-Based Ionic Liquids on the Rotational Diffusion of an Ionic Solute. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9973-9979.	1.2	20

#	ARTICLE	IF	CITATIONS
536	Dicationic versus Monocationic Ionic Liquids: Distinctive Ionic Dynamics and Dynamical Heterogeneity. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1136-1150.	1.2	69
537	Rheological Bases for Empirical Rules on Shear Viscosity of Lubrication Oils. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3232-3239.	1.2	6
538	Understanding the Effect Models of Ionic Liquids in the Synthesis of NH <sub>4</sub> <sup>+</sup> and <sup>13</sup> C-ALOOH Nanostructures and Their Conversion into Porous <sup>13</sup> C-Al <sub>2</sub> O <sub>3</sub> . <i>Chemistry - A European Journal</i> , 2013, 19, 5924-5937.	1.7	52
539	Effect of Alkyl Chain Length on the Rotational Diffusion of Nonpolar and Ionic Solutes in 1-Alkyl-3-Methylimidazolium-bis(trifluoromethylsulfonyl)imides. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12261-12267.	1.2	23
540	In situ study of ionic liquid Taylor cones using electron microscopy. , 2013, , .		2
541	Progress in Imidazolium Ionic Liquids Assisted Fabrication of Carbon Nanotube and Graphene Polymer Composites. <i>Polymers</i> , 2013, 5, 847-872.	2.0	78
542	Ionic Liquid Immobilized Organocatalysts for Asymmetric Reactions in Aqueous Media. <i>Catalysts</i> , 2013, 3, 709-725.	1.6	35
543	Crystal Structures and Phase Transition Dynamics of Cobaltocenium Salts with Bis(perfluoroalkylsulfonyl)amide Anions: Remarkable Odd-Even Effect of the Fluorocarbon Chains in the Anion. <i>Chemistry - A European Journal</i> , 2013, 19, 6257-6264.	1.7	35
544	Ionic liquids behave as dilute electrolyte solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9674-9679.	3.3	345
545	Local structures of ionic liquids in the presence of gold under high pressures. <i>AIP Advances</i> , 2013, 3, 032147.	0.6	9
546	Phase transition in porous electrodes. III. For the case of a two component electrolyte. <i>Journal of Chemical Physics</i> , 2013, 138, 234704.	1.2	13
547	Ion Speciation of Protic Ionic Liquids in Water: Transition from Contact to Solvent-Separated Ion Pairs. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2990-2994.	7.2	89
548	Anion Effect on Femtosecond OHD-RIKES and Raman Spectroscopy of Imidazolium-based Room-temperature Ionic Liquids. <i>Chemistry Letters</i> , 2013, 42, 63-65.	0.7	1
549	Investigating the Motion of Diblock Copolymer Assemblies in Ionic Liquids by In Situ Electron Microscopy. <i>Advanced Materials</i> , 2013, 25, 761-765.	11.1	23
553	The Dynamical Properties on Ionic Liquids: Insights from Molecular Dynamics Study. , 0, , .		3
554	Physicochemical Basis of IL Effects on Separation and Transformation Processes. , 2014, , 95-106.		2
555	Solubility of luteolin in several imidazole-based ionic liquids and extraction from peanut shells using selected ionic liquid as solvent. <i>Separation and Purification Technology</i> , 2014, 135, 223-228.	3.9	21
556	Synthesis of the polymerizable room temperature ionic liquid AMPS - TEA and superabsorbency for organic liquids of its copolymeric gels with acrylamide. <i>Designed Monomers and Polymers</i> , 2014, 17, 140-146.	0.7	9

#	ARTICLE	IF	CITATIONS
557	Structures and Interactions of Ionic Liquids. Structure and Bonding, 2014, , .	1.0	41
558	Pair dynamics and the intermolecular nuclear Overhauser effect (NOE) in liquids analysed by simulation and model theories: Application to an ionic liquid. Journal of Chemical Physics, 2014, 140, 184503.	1.2	29
559	Ionic Liquid Electrolytes with Various Sodium Solutes for Rechargeable Na/NaFePO <sub>4</sub> Batteries Operated at Elevated Temperatures. ACS Applied Materials & Interfaces, 2014, 6, 17564-17570.	4.0	84
560	On the collective network of ionic liquid/water mixtures. IV. Kinetic and rotational depolarization. Journal of Chemical Physics, 2014, 140, 204505.	1.2	13
561	Environmental Influence on the Surface Chemistry of Ionic-Liquid-Mediated Lubrication in a Silica/Silicon Tribopair. Journal of Physical Chemistry C, 2014, 118, 29389-29400.	1.5	30
562	Dielectric and shear relaxations of ionic liquid composed of symmetric ions. Journal of Chemical Physics, 2014, 141, 144503.	1.2	8
563	Pyrrrolidinium-Based Ionic Liquids Doped with Lithium Salts: How Does Li <sup>+</sup> Coordination Affect Its Diffusivity?. Journal of Physical Chemistry B, 2014, 118, 13679-13688.	1.2	63
564	Dynamics of Methanol in Ionic Liquids: Validity of the Stokes-Einstein and Stokes-Einstein-Debye Relations. ChemPhysChem, 2014, 15, 3040-3048.	1.0	18
565	A Magnetic Ionic Liquid Based on Tetrachloroferrate Exhibits Three-Dimensional Magnetic Ordering: A Combined Experimental and Theoretical Study of the Magnetic Interaction Mechanism. Chemistry - A European Journal, 2014, 20, 72-76.	1.7	48
566	How distributed charge reduces the melting points of model ionic salts. Journal of Chemical Physics, 2014, 140, 104504.	1.2	8
567	Synthesis of two AMPS-based polymerizable room temperature ionic liquids and swelling difference between their co-polymeric gels with HEMA. E-Polymers, 2014, 14, 335-343.	1.3	5
568	Structure, Interaction and Hydrogen Bond. Structure and Bonding, 2014, , 1-38.	1.0	12
569	Microdrop generation and deposition of ionic liquids. Journal of Materials Research, 2014, 29, 2100-2107.	1.2	5
570	Synthesis and property of imidazolium oxidative-thermoregulated ionic liquids. Science Bulletin, 2014, 59, 4705-4711.	1.7	3
571	An electrochemiluminescence amplification strategy: a synergistic effect of electrospun Ru(bpy) <sub>3</sub> <sup>2+</sup> /CNT/ionic liquid composite nanofibers. Journal of Materials Chemistry C, 2014, 2, 9949-9956.	2.7	16
572	Ammonium- and Phosphonium-Based Ionic Liquid: Green and Reusable Catalysts. , 2014, , 105-127.		0
573	Preparation of highly dispersed tungsten species within mesoporous silica by ionic liquid and their enhanced catalytic activity for oxidative desulfurization. Fuel, 2014, 117, 667-673.	3.4	46
574	Very short NMR relaxation times of anions in ionic liquids: New pulse sequence to eliminate the acoustic ringing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 879-883.	2.0	7



#	ARTICLE	IF	CITATIONS
575	Further understanding of the multiple equilibria interaction pattern between ionic liquid and $\beta$ -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 79, 319-327.	0.9	9
576	Heterogeneous catalyst preparation in ionic liquids: Titania supported gold nanoparticles. <i>Catalysis Today</i> , 2014, 235, 58-71.	2.2	16
577	Solvent-free synthesis of quinoline derivatives via the FriedlÄnder reaction using 1,3-disulfonic acid imidazolium hydrogen sulfate as an efficient and recyclable ionic liquid catalyst. <i>Comptes Rendus Chimie</i> , 2014, 17, 370-376.	0.2	28
578	Twin-peaks absorption spectra of excess electron in ionic liquids. <i>Radiation Physics and Chemistry</i> , 2014, 100, 32-37.	1.4	10
579	1,1-Dimethyl-2,3,4,5-tetraphenylsilole as a Molecular Rotor Probe to Investigate the Microviscosity of Imidazolium Ionic Liquids. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 431-441.	1.9	15
580	Probing solute-solvent interaction in 1-ethyl-3-methylimidazolium-based room temperature ionic liquids: A time-resolved fluorescence anisotropy study. <i>Journal of Fluorescence</i> , 2014, 24, 455-463.	1.3	8
581	Using High-Pressure Infrared Spectroscopy to Study the Interactions between Triblock Copolymers and Ionic Liquids. <i>Macromolecules</i> , 2014, 47, 3052-3058.	2.2	14
582	Does the stability of proteins in ionic liquids obey the Hofmeister series?. <i>International Journal of Biological Macromolecules</i> , 2014, 63, 244-253.	3.6	104
583	Aggregated ion pairs of [MIM+][N(CN) <sub>2</sub> ] <sup>-</sup> ionic liquid: A quantum chemical study in solvents with different dielectric constants. <i>Computational and Theoretical Chemistry</i> , 2014, 1037, 70-79.	1.1	5
584	Ionic Liquids at Electrified Interfaces. <i>Chemical Reviews</i> , 2014, 114, 2978-3036.	23.0	1,101
585	On the Nanoscopic Environment a Neutral Fluorophore Experiences in Room Temperature Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5051-5057.	1.5	14
586	Task-specific ionic liquid for the depolymerisation of starch-based industrial waste into high reducing sugars. <i>Catalysis Today</i> , 2014, 223, 11-17.	2.2	26
587	Green aspects, developments and perspectives of liquid phase microextraction techniques. <i>Talanta</i> , 2014, 119, 34-45.	2.9	285
588	Mixing ionic liquids – simple mixtures or double salts?. <i>Green Chemistry</i> , 2014, 16, 2051.	4.6	289
589	Halometallate ionic liquids – revisited. <i>Chemical Society Reviews</i> , 2014, 43, 847-886.	18.7	253
590	Ion Association of Imidazolium Ionic Liquids in Acetonitrile. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1426-1435.	1.2	53
591	Hydrogen-bonding interactions between [BMIM][BF <sub>4</sub> ] and dimethyl sulfoxide. <i>Journal of Molecular Structure</i> , 2014, 1069, 140-146.	1.8	48
592	Unusual trend of viscosities and densities for four ionic liquids containing a tetraalkyl phosphonium cation and the anion bis(2,4,4-trimethylpentyl) phosphinate. <i>Journal of Chemical Thermodynamics</i> , 2014, 70, 122-126.	1.0	11

#	ARTICLE	IF	CITATIONS
594	Simulating Chemical Reactions in Ionic Liquids Using QM/MM Methodology. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11653-11666.	1.1	32
595	Rotational Dynamics of Imidazolium-Based Ionic Liquids: Do the Nature of the Anion and the Length of the Alkyl Chain Influence the Dynamics?. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13244-13251.	1.2	12
596	Toward a predictive model for estimating viscosity of ternary mixtures containing ionic liquids. <i>Journal of Molecular Liquids</i> , 2014, 200, 340-348.	2.3	127
598	Main chemical species and molecular structure of deep eutectic solvent studied by experiments with DFT calculation: a case of choline chloride and magnesium chloride hexahydrate. <i>Journal of Molecular Modeling</i> , 2014, 20, 2374.	0.8	37
599	Hydroxyl-Functionalized 1-(2-Hydroxyethyl)-3-methyl Imidazolium Ionic Liquids: Thermodynamic and Structural Properties using Molecular Dynamics Simulations and ab Initio Calculations. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14410-14428.	1.2	52
600	Probing molecular interaction in ionic liquids by low frequency spectroscopy: Coulomb energy, hydrogen bonding and dispersion forces. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21903-21929.	1.3	204
601	Thermodynamics and kinetic investigation of electron transfer reactions of surfactant cobalt(III) complexes containing diimine ligands with iron(II) in the presence of liposome vesicles and amphiphilic salt media. <i>RSC Advances</i> , 2014, 4, 56068-56073.	1.7	3
602	Insights into the reversible oxygen reduction reaction in a series of phosphonium-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25062-25070.	1.3	27
603	Computation of standard equilibrium acidity of C-H acids in ionic media: shedding light on predicting changes of chemical behavior by switching solvent system from molecular to ionic. <i>Organic Chemistry Frontiers</i> , 2014, 1, 176.	2.3	5
604	Proton Exchange Equilibrium between Bases and [BMIm][BF <sub>4</sub> ]: An Electrochemical Procedure to Evaluate the Presence of Carbenes for Synthetic Applications. <i>ChemElectroChem</i> , 2014, 1, 1525-1530.	1.7	12
605	N-substituted amine-borane ionic liquids as fluid phase, hydrogen storage materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16507-16515.	5.2	15
606	HPLC coupled with a spectrophotometer as a reliable setup for the study of absorption properties of imidazolium ionic liquids using bmimBF <sub>4</sub> as an example. <i>RSC Advances</i> , 2014, 4, 31775.	1.7	3
607	Synthesis, H <sub>2</sub> PO <sub>4</sub> <sup>3-</sup> and Pd <sup>2+</sup> ion sensing and gold nanoparticle encapsulation of ferrocenyldendrimers by a green chemistry approach. <i>RSC Advances</i> , 2014, 4, 4413-4419.	1.7	7
608	Ionic liquids from cationic palladium(II) chelate complexes: preparation, thermal properties, and crystal structures. <i>Dalton Transactions</i> , 2014, 43, 6864-6869.	1.6	7
609	Washing-out ionic liquids from polyethylene glycol to form aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2271.	1.3	24
610	Ionic liquid electrolytes for high-voltage rechargeable Li/LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3613.	5.2	28
611	Exploring the nature of interactions among thiophene, thiophene sulfone, dibenzothiophene, dibenzothiophene sulfone and a pyridinium-based ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10531.	1.3	14
612	Triblock Copolymer Self-Assembly in Ionic Liquids: Effect of PEO Block Length on the Self-Assembly of PEO-b-PPG-b-PEO in Ethylammonium Nitrate. <i>Macromolecules</i> , 2014, 47, 7484-7495.	2.2	44

#	ARTICLE	IF	CITATIONS
613	Ultrafast solvation dynamics and charge transfer reactions in room temperature ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13008-13026.	1.3	39
614	Dynamic propensity as an indicator of heterogeneity in room-temperature ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19712-19719.	1.3	14
615	Comparison of catalysis by haloalkane dehalogenases in aqueous solutions of deep eutectic and organic solvents. <i>Green Chemistry</i> , 2014, 16, 2754-2761.	4.6	28
616	Morphology changes of ionic liquid encapsulating polymer microcontainers upon X-ray irradiation. <i>RSC Advances</i> , 2014, 4, 3272-3277.	1.7	9
617	Rapid, facile synthesis of conjugated polymer zwitterions in ionic liquids. <i>Chemical Science</i> , 2014, 5, 2368-2373.	3.7	18
618	Atomistic Insight into Orthoborate-Based Ionic Liquids: Force Field Development and Evaluation. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8711-8723.	1.2	57
619	Effect of the Cation on the Interactions between Alkyl Methyl Imidazolium Chloride Ionic Liquids and Water. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10503-10514.	1.2	58
620	Deconstructing ionic liquids in ionogels: enhanced fragility for solid devices. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23639-23645.	1.3	51
621	Rotational Diffusion of Nondipolar and Charged Solutes in Alkyl-Substituted Imidazolium Triflimides: Effect of C2 Methylation on Solute Rotation. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9420-9426.	1.2	19
622	Halogen-Free Bis(imidazolium)/Bis(ammonium)-Di[bis(salicylato)borate] Ionic Liquids As Energy-Efficient and Environmentally Friendly Lubricant Additives. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15318-15328.	4.0	126
623	Impact of Ionic Liquids in Aqueous Solution on Bacterial Plasma Membranes Studied with Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10444-10459.	1.2	67
624	Size Matters! On the Way to Ionic Liquid Systems without Ion Pairing. <i>Chemistry - A European Journal</i> , 2014, 20, 9794-9804.	1.7	47
625	Structural Organization and Supramolecular Interactions of the Task-Specific Ionic Liquid 1-Methyl-3-carboxymethylimidazolium Chloride: Solid, Solution, and Gas Phase Structures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17878-17889.	1.5	17
626	Classical Density Functional Study on Interfacial Structure and Differential Capacitance of Ionic Liquids near Charged Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15825-15834.	1.5	33
627	Microslips to "Avalanches" in Confined, Molecular Layers of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 179-184.	2.1	107
628	Ion Pairing in Protic Ionic Liquids Probed by Far-Infrared Spectroscopy: Effects of Solvent Polarity and Temperature. <i>ChemPhysChem</i> , 2014, 15, 2604-2609.	1.0	40
629	Coarse-grained simulations of an ionic liquid-based capacitor: I. Density, ion size, and valency effects. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 284108.	0.7	25
630	Adsorption and Orientation of Ionic Liquids and Ionic Surfactants at Heptane/Water Interface. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19889-19903.	1.5	33

#	ARTICLE	IF	CITATIONS
631	A Quantum Chemistry Study for Ionic Liquids Applied to Gas Capture and Separation. Journal of Physical Chemistry B, 2014, 118, 9046-9064.	1.2	86
632	Anion $\pi$ - $\pi$ and Halide $\pi$ -Halide Nonbonding Interactions in a New Ionic Liquid Based on Imidazolium Cation with Three-Dimensional Magnetic Ordering in the Solid State. Inorganic Chemistry, 2014, 53, 8384-8396.	1.9	43
633	Dynamics of Concentrated Polymer Solutions Revisited: Isomonomeric Friction Adjustment and Its Consequences. Macromolecules, 2014, 47, 4460-4470.	2.2	14
634	Molecular Dynamics and <i>ab Initio</i> Studies of the Effects of Substituent Groups on the Thermodynamic Properties and Structure of Four Selected Imidazolium-Based [Tf <sub>2</sub> N <sup>+</sup> ] <sup>+</sup> Ionic Liquids. Journal of Chemical & Engineering Data, 2014, 59, 2834-2849.	1.0	20
635	On the temperature dependence of several physicochemical properties for aqueous solutions of the ionic liquid 1-butyl-3-methylimidazolium methanesulfonate ([C4mim][MeSO <sub>3</sub> ]). Journal of Molecular Liquids, 2014, 199, 175-183.	2.3	5
636	Ionic Liquid Dynamics in Nanoporous Carbon Nanofibers in Supercapacitors Measured with <i>in Operando</i> Infrared Spectroelectrochemistry. Journal of Physical Chemistry C, 2014, 118, 21846-21855.	1.5	64
637	Probing the Interactions between Ionic Liquids and Water: Experimental and Quantum Chemical Approach. Journal of Physical Chemistry B, 2014, 118, 1848-1860.	1.2	111
640	The impact of imidazolium ionic liquids on the properties of nitrile rubber composites. European Polymer Journal, 2014, 53, 139-146.	2.6	32
641	Nanostructure of an ionic liquid $\pi$ -glycerol mixture. Physical Chemistry Chemical Physics, 2014, 16, 13182-13190.	1.3	37
642	The art of using ionic liquids in the synthesis of inorganic nanomaterials. CrystEngComm, 2014, 16, 2550.	1.3	146
643	Determination of nickel using cold-induced aggregation microextraction based on ionic liquid followed by flame atomic absorption spectrometry. Journal of Analytical Chemistry, 2014, 69, 426-431.	0.4	12
644	Impact of ionic liquids on the structure of peptides proved by HR-MAS NMR spectroscopy. Journal of Molecular Liquids, 2014, 192, 9-18.	2.3	10
645	Formation of $\pi$ -Quasi $\pi$ -Contact or Solvent $\pi$ -separated Ion Pairs in the Local Environment of Probe Molecules Dissolved in Ionic Liquids. ChemPhysChem, 2014, 15, 265-270.	1.0	19
646	Effect of cation on diffusion coefficient of ionic liquids at anion-like carbon electrodes. Journal of Physics Condensed Matter, 2014, 26, 284104.	0.7	40
647	Perspectives on Moving Ionic Liquid Chemistry into the Solid Phase. Analytical Chemistry, 2014, 86, 7184-7191.	3.2	67
648	Modification of tungsten trioxide with ionic liquid for enhanced photocatalytic performance. RSC Advances, 2014, 4, 37556-37562.	1.7	28
649	Quantitative Analysis of Conductivity and Viscosity of Ionic Liquids in Terms of Their Relaxation Times. Journal of Physical Chemistry B, 2014, 118, 5752-5759.	1.2	39
650	Ionic Liquids Confined in Hydrophilic Nanocontacts: Structure and Lubricity in the Presence of Water. Journal of Physical Chemistry C, 2014, 118, 6491-6503.	1.5	98

#	ARTICLE	IF	CITATIONS
651	Supramolecular Ionic Liquid Gels for Quasi-Solid-State Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 8723-8728.	4.0	56
652	Excess molar enthalpies for [emim][BF <sub>4</sub> ]+pyrrolidin-2-one or 1-methyl pyrrolidin-2-one+pyridine or water mixtures. Journal of Chemical Thermodynamics, 2014, 68, 235-243.	1.0	11
653	Time-resolved laser spectroscopy of nonreactive processes in ionic liquids and their binary mixtures with organic solvents and CO <sub>2</sub> . Journal of Molecular Liquids, 2014, 192, 87-93.	2.3	1
654	Interpretation of fusion and vaporisation entropies for various classes of substances, with a focus on salts. Journal of Chemical Thermodynamics, 2014, 70, 207-213.	1.0	5
655	The static dielectric permittivity of ionic liquids. Journal of Molecular Liquids, 2014, 192, 185-190.	2.3	72
656	Dynamics of RTILs: A comparative dielectric and OKE study. Journal of Molecular Liquids, 2014, 192, 19-25.	2.3	72
657	Ionic liquids as solvents for liquid scintillation technology. ÅEerenkov counting with 1-Butyl-3-Methylimidazolium Chloride. Radiation Physics and Chemistry, 2014, 98, 98-102.	1.4	10
658	Amphiphile Meets Amphiphile: Beyond the Polarâ€“Apolar Dualism in Ionic Liquid/Alcohol Mixtures. Journal of Physical Chemistry Letters, 2014, 5, 1738-1742.	2.1	66
659	Are ionic liquids a proper solution to current environmental challenges?. Green Chemistry, 2014, 16, 2375.	4.6	240
660	Toxicity of Ionic Liquids: Eco(cyto)activity as Complicated, but Unavoidable Parameter for Taskâ€“Specific Optimization. ChemSusChem, 2014, 7, 336-360.	3.6	377
661	Solidâ€“liquid equilibria predictions for the dissolution of brown coal in ionic liquids using a continuum solvation model. Fuel Processing Technology, 2014, 126, 112-121.	3.7	10
662	Effect of cation type, alkyl chain length, adsorbate size on adsorption kinetics and isotherms of bromide ionic liquids from aqueous solutions onto microporous fabric and granulated activated carbons. Journal of Environmental Management, 2014, 144, 108-117.	3.8	31
663	Extraction separation of toluene/cyclohexane with hollow fiber supported ionic liquid membrane. Korean Journal of Chemical Engineering, 2014, 31, 1049-1056.	1.2	14
665	Importance of liquid fragility for energy applications of ionic liquids. Scientific Reports, 2015, 5, 13922.	1.6	101
666	Melting point trends and solid phase behaviors of model salts with ion size asymmetry and distributed cation charge. Journal of Chemical Physics, 2015, 143, 024508.	1.2	20
667	Safer Electrolytes for Lithiumâ€“Ion Batteries: State of the Art and Perspectives. ChemSusChem, 2015, 8, 2154-2175.	3.6	641
668	2â€“Aminoâ€“5â€“(2â€“pyridyl)â€“thiadiazole as Bidentate Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1711-1717.	0.6	2
671	The Chemistry of Redoxâ€“Flow Batteries. Angewandte Chemie - International Edition, 2015, 54, 9776-9809.	7.2	565

#	ARTICLE	IF	CITATIONS
672	Estimation of Lattice Enthalpies of Ionic Liquids Supported by Hirshfeld Analysis. <i>ChemPhysChem</i> , 2015, 16, 2890-2898.	1.0	9
673	Vibrational Dephasing in Ionic Liquids as a Signature of Hydrogen Bonding. <i>ChemPhysChem</i> , 2015, 16, 2519-2523.	1.0	13
674	Low glass transition temperature poly(ionic liquid) prepared from a new quaternary ammonium cationic monomer. <i>Polymers for Advanced Technologies</i> , 2015, 26, 823-828.	1.6	11
675	Steuerung der subtilen Energiebalance in protischen ionischen Flüssigkeiten: Dispersionskräfte im Wettstreit mit Wasserstoffbrücken. <i>Angewandte Chemie</i> , 2015, 127, 2834-2837.	1.6	13
676	Gas-Phase Affinity Scales for Typical Ionic Liquid Moieties Determined by using Cooks™ Kinetic Method. <i>ChemPhysChem</i> , 2015, 16, 1969-1977.	1.0	9
677	Experimental Signature of Microheterogeneity in Ionic Liquid-H <sub>2</sub> O Systems and Their Perturbation by Adding Li <sup>+</sup> Salts: A Pulsed Gradient Spin-Echo NMR Approach. <i>ChemPhysChem</i> , 2015, 16, 2936-2941.	1.0	11
679	Photon-Upconverting Ionic Liquids: Effective Triplet Energy Migration in Contiguous Ionic Chromophore Arrays. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11550-11554.	7.2	69
680	ESR studies on the pressure and temperature dependence of electron self-exchange kinetics between tetrathiafulvalene (TTF) and its radical cation in ionic liquids and organic solvents. <i>Molecular Physics</i> , 2015, 113, 1378-1385.	0.8	6
681	Manipulation of ionic liquid anion-solute-antisolvent interactions for the purification of acetaminophen. <i>Chemical Communications</i> , 2015, 51, 4294-4297.	2.2	34
682	Colorless organometallic ionic liquids from cationic ruthenium sandwich complexes: thermal properties, liquid properties, and crystal structures of [Ru(Î <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> )(Î <sup>6</sup> -C <sub>6</sub> H <sub>5</sub> R)] <sup>+</sup> [X] <sup>-</sup> (X) Tj-ËQq1 1 0.784314		
683	Structure and Nanostructure in Ionic Liquids. <i>Chemical Reviews</i> , 2015, 115, 6357-6426.	23.0	1,793
684	Vapor-Liquid Equilibrium of Three Hydrofluorocarbons with [HMIM][Tf <sub>2</sub> N]. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 1354-1361.	1.0	52
685	Pulsed-field gradient 1H NMR study of diffusion and self-aggregation of long-chain imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2015, 210, 223-226.	2.3	11
686	Tetracyanido(difluorido)phosphates M <sup>+</sup> [PF <sub>2</sub> (CN) <sub>4</sub> ] <sup>-</sup> . <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4474-4477.	7.2	17
687	Characterization of ionic liquid pretreatment and the bioconversion of pretreated mixed softwood biomass. <i>Biomass and Bioenergy</i> , 2015, 81, 1-8.	2.9	63
688	Formation of a nanorod shaped ionogel and its high catalytic activity for one-pot synthesis of benzothiazoles. <i>New Journal of Chemistry</i> , 2015, 39, 5116-5120.	1.4	8
689	Long-range electrostatic screening in ionic liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7432-7437.	3.3	214
690	Influence of ion pairing in ionic liquids on electrical double layer structures and surface force using classical density functional approach. <i>Journal of Chemical Physics</i> , 2015, 142, 174704.	1.2	38

#	ARTICLE	IF	CITATIONS
691	Ionic Liquids: Additives for Manipulating the Nucleophilicity. <i>Journal of Solution Chemistry</i> , 2015, 44, 1518-1528.	0.6	5
692	Nanocrystallization of Imidazolium Ionic Liquid in Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28424-28429.	1.5	22
693	Biodegradable Ionic Liquids: Effects of Temperature, Alkyl Side-Chain Length, and Anion on the Thermodynamic Properties and Interaction Energies As Determined by Molecular Dynamics Simulations Coupled with ab Initio Calculations. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 11678-11700.	1.8	15
694	What type of nanoscopic environment does a cationic fluorophore experience in room temperature ionic liquids?. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16587-16593.	1.3	8
695	Terahertz and Infrared Spectroscopy of Room-Temperature Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15696-15705.	1.2	23
696	Organometallic ionic liquids from half-sandwich Ru(II) complexes with various chelating ligands. <i>Inorganica Chimica Acta</i> , 2015, 438, 112-117.	1.2	7
697	Molecular Volume Effects on the Dynamics of Polymerized Ionic Liquids and their Monomers. <i>Electrochimica Acta</i> , 2015, 175, 55-61.	2.6	76
698	Study on the temperature-dependent coupling among viscosity, conductivity and structural relaxation of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19126-19133.	1.3	21
699	Enhanced low-temperature lithium storage performance of multilayer graphene made through an improved ionic liquid-assisted synthesis. <i>Journal of Power Sources</i> , 2015, 281, 318-325.	4.0	55
700	Low-melting complexes with cationic side chains – Phosphonium-, ammonium- and imidazolium-tagged coordination compounds. <i>Coordination Chemistry Reviews</i> , 2015, 292, 15-29.	9.5	23
701	Synergistic Effects and Correlating Polarity Parameters in Binary Mixtures of Ionic Liquids. <i>ChemPhysChem</i> , 2015, 16, 1026-1034.	1.0	22
702	Density, Refractive Index, and Speed of Sound of the Binary Mixture of 1-Butyl-3-methylimidazolium Tetrafluoroborate + <i>N</i> -Vinyl-2-pyrrolidinone from <i>T</i> = (298.15 to 323.15) K at Atmospheric Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 886-894.	1.0	59
703	Green Synthetic Approaches for Medium Ring-Sized Heterocycles of Biological Interest. , 2015, , 291-315.		4
704	Hydrogen bonding in a mixture of protic ionic liquids: a molecular dynamics simulation study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8431-8440.	1.3	74
705	Functionalized ionic liquids based on imidazolium cation: Synthesis, characterization and catalytic activity for N-alkylation reaction. <i>Journal of Molecular Liquids</i> , 2015, 204, 210-215.	2.3	15
706	Structure of Alkylimidazolium-Based Ionic Liquids at the Interface with Vacuum and Water – A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3795-3807.	1.2	40
707	Phase Behavior, Diffusion, Structural Characteristics, and pH of Aqueous Hydrophobic Ionic Liquid Confined Media: Insights into Microviscosity and Microporosity in the [C <sub>4</sub> C <sub>4</sub> im][NTf <sub>2</sub> ] + Water System. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1641-1653.	1.2	19
708	Recent progress on dielectric properties of protic ionic liquids. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 073202.	0.7	64

#	ARTICLE	IF	CITATIONS
709	Quantum chemical studies on nanostructures of the hydrated methylimidazolium-based ionic liquids. <i>Journal of Molecular Modeling</i> , 2015, 21, 1.	0.8	96
710	Long-Chain Fatty Acid-Based Phosphonium Ionic Liquids with Strong Hydrogen-Bond Basicity and Good Lipophilicity: Synthesis, Characterization, and Application in Extraction. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 309-316.	3.2	73
711	Electrolytes in Dye-Sensitized Solar Cells. <i>Chemical Reviews</i> , 2015, 115, 2136-2173.	23.0	852
712	Extraction process of sulfur compounds from fuels with protic ionic liquids. <i>RSC Advances</i> , 2015, 5, 15892-15897.	1.7	30
713	Structures and hydrogen bonding investigation of 1,3-dimethylimidazolium methylsulfate and 1,3-dimethylimidazolium dimethylphosphate with theoretical methods. <i>Computational and Theoretical Chemistry</i> , 2015, 1055, 33-41.	1.1	4
714	Controlling the Subtle Energy Balance in Protic Ionic Liquids: Dispersion Forces Compete with Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2792-2795.	7.2	78
715	Stability of ion triplets in ionic liquid/lithium salt solutions: Insights from implicit and explicit solvent models and molecular dynamics simulations. <i>Journal of Computational Chemistry</i> , 2015, 36, 751-762.	1.5	8
716	Thermodynamic properties of ternary mixtures containing 1-ethyl-3-methylimidazolium tetrafluoroborate with cyclic amides and cyclopentanone or cyclohexanone at T = (293.15, 298.15,) Tj ETQq1 1 0.784314 rgBT /Overlo		
717	Structure of a Binary Mixture of Ethylammonium Nitrate and Methanol. <i>Journal of Solution Chemistry</i> , 2015, 44, 669-685.	0.6	29
718	Measurements and equation-of-state modelling of thermodynamic properties of binary mixtures of 1-butyl-1-methylpyrrolidinium tetracyanoborate ionic liquid with molecular compounds. <i>Journal of Chemical Thermodynamics</i> , 2015, 90, 317-326.	1.0	12
719	Ionic liquids supported by isoporous membranes for CO <sub>2</sub> /N <sub>2</sub> gas separation applications. <i>Journal of Membrane Science</i> , 2015, 494, 224-233.	4.1	55
720	Effects of variation in chain length on ternary polymer electrolyte ionic liquid mixture A molecular dynamics simulation study. <i>Journal of Power Sources</i> , 2015, 293, 983-992.	4.0	9
721	Solid-liquid phase equilibria in binary mixtures of functionalized ionic liquids with sugar alcohols: New experimental data and modelling. <i>Fluid Phase Equilibria</i> , 2015, 403, 167-175.	1.4	16
722	Temperature Dependence of Low-Frequency Spectra in Molten Bis(trifluoromethylsulfonyl)amide Salts of Imidazolium Cations Studied by Femtosecond Raman-Induced Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9835-9846.	1.2	34
723	Sustainable Catalysis Systems Based on Ionic Liquids. , 2015, , 61-98.		1
724	Liquid-vapor equilibrium and critical parameters of the ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate from molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2015, 209, 745-752.	2.3	14
725	Optical properties of irradiated imidazolium based room temperature ionic liquids: new microscopic insights into the radiation induced mutations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11053-11061.	1.3	13
726	Ionic Liquids (ILs) in Organometallic Catalysis. <i>Topics in Organometallic Chemistry</i> , 2015, , .	0.7	25



#	ARTICLE	IF	CITATIONS
727	Diglycolamide-Based Solvent Systems in Room Temperature Ionic Liquids for Actinide Ion Extraction: A Review. <i>Chemical Product and Process Modeling</i> , 2015, 10, 135-145.	0.5	44
728	Static dielectric properties of dense ionic fluids. <i>Journal of Chemical Physics</i> , 2015, 142, 184502.	1.2	8
729	Nanoparticles in ionic liquids: interactions and organization. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18238-18261.	1.3	292
730	Thermal Properties and Crystal Structures of Ionic Liquids from Ruthenium Sandwich Complexes with Trialkoxybenzene Ligands: Effects of Substituent Positions and Alkyl Chain Lengths. <i>Organometallics</i> , 2015, 34, 1279-1286.	1.1	16
731	Solubilities of isobutane and cyclopropane in ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015, 88, 30-35.	1.0	7
732	Effect of Dimethyl Carbonate on the Dynamic Properties and Ionicities of Ionic Liquids with [M <sup>III</sup> (hfp) <sub>4</sub> ] <sup>+</sup> (M=B, Al) Anions. <i>ChemPhysChem</i> , 2015, 16, 1940-1947.	1.0	9
733	Modeling the structure and thermodynamics of ferrocenium-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10200-10208.	1.3	10
734	Experimental and theoretical study of carbohydrate-ionic liquid interactions. <i>Carbohydrate Polymers</i> , 2015, 127, 316-324.	5.1	24
735	Atomistic Insight into Tetraalkylphosphonium-Bis(oxalato)borate Ionic Liquid/Water Mixtures. I. Local Microscopic Structure. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5251-5264.	1.2	38
736	Irreversible structural change of a dry ionic liquid under nanoconfinement. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13613-13624.	1.3	62
737	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
738	Sponge-like ionic liquids: a new platform for green biocatalytic chemical processes. <i>Green Chemistry</i> , 2015, 17, 3706-3717.	4.6	67
739	17O NMR. <i>Annual Reports on NMR Spectroscopy</i> , 2015, 85, 143-193.	0.7	7
740	Temporal Behavior of the Singlet Molecular Oxygen Emission in Imidazolium and Morpholinium Ionic Liquids and Its Implications. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6696-6702.	1.2	12
741	Removal of ionic liquid by engineered bentonite from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 153-159.	2.7	14
742	The constitutive behavior of ammonium ionic liquids: a physicochemical approach. <i>RSC Advances</i> , 2015, 5, 46881-46889.	1.7	9
743	Monte Carlo simulation and SAFT modeling study of the solvation thermodynamics of dimethylformamide, dimethylsulfoxide, ethanol and 1-propanol in the ionic liquid trimethylbutylammonium bis(trifluoromethylsulfonyl)imide. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7449-7462.	1.3	16
744	Directly probing the effect of the solvent on a catalyst electronic environment using X-ray photoelectron spectroscopy. <i>RSC Advances</i> , 2015, 5, 35958-35965.	1.7	21

#	ARTICLE	IF	CITATIONS
745	Explicit Solvent Modeling of Solvatochromic Probes in Ionic Liquids: Implications of Solvation Shell Structure. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13185-13197.	1.2	9
746	Preparation of neutral ionic liquid [2-Eim] OAc with dual catalytic-solvent system roles for the synthesis of 2-amino-3-cyano-7-hydroxy-4-(aryl)-4H-chromene derivatives. <i>Journal of Molecular Liquids</i> , 2015, 212, 291-300.	2.3	30
747	Oxidative-extractive deep desulfurization of gasoline by functionalized heteropoly acid catalysts. <i>RSC Advances</i> , 2015, 5, 85540-85546.	1.7	11
748	The Use of Cooling Crystallization in an Ionic Liquid System for the Purification of Pharmaceuticals. <i>Crystal Growth and Design</i> , 2015, 15, 4946-4951.	1.4	35
749	Theoretical Insights into the Role of Water in the Dissolution of Cellulose Using IL/Water Mixed Solvent Systems. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14339-14349.	1.2	46
750	Mesoscopic structural and dynamic organization in ionic liquids. <i>Journal of Molecular Liquids</i> , 2015, 210, 161-163.	2.3	21
751	Invariom approach as a new tool in electron density studies of ionic liquids: a model case of 1-butyl-2,3-dimethylimidazolium chloride BDMIM[Cl]. <i>RSC Advances</i> , 2015, 5, 75360-75373.	1.7	13
752	Ionic liquids effects on the permeability of photosynthetic membranes probed by the electrochromic shift of endogenous carotenoids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2898-2909.	1.4	11
753	Effect of the alkyl chain length in 1-alkyl-3-methylimidazolium ionic liquids on inter-molecular interactions and rotational dynamics. <i>Journal of Molecular Liquids</i> , 2015, 210, 169-177.	2.3	80
754	Determination of phenolic acids in <i>Prunella vulgaris</i> L.: a safe and green extraction method using alcohol-based deep eutectic solvents. <i>Analytical Methods</i> , 2015, 7, 9354-9364.	1.3	55
755	Heterogeneous Nature of Relaxation Dynamics of Room-Temperature Ionic Liquids (EMIm) <sub>2</sub> [Co(NCS) <sub>4</sub> ] and (BMIm) <sub>2</sub> [Co(NCS) <sub>4</sub> ]. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20363-20368.	1.5	24
756	Direct determination of ionic transference numbers in ionic liquids by electrophoretic NMR. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30680-30686.	1.3	95
757	Time scale of dynamic heterogeneity in model ionic liquids and its relation to static length scale and charge distribution. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29281-29292.	1.3	24
758	Phase Transitions of Triflate-Based Ionic Liquids under High Pressure. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14315-14322.	1.2	19
759	Ionic liquids containing cationic SNS-pincer palladium(II) complexes: Effects of ancillary ligands on thermal properties and solvent polarities. <i>Journal of Organometallic Chemistry</i> , 2015, 797, 120-124.	0.8	7
760	Ionic Liquids with Weakly Coordinating [M <sup>III</sup> (OR <sup>F</sup> ) <sub>4</sub> ] <sup>+</sup> Anions. <i>Accounts of Chemical Research</i> , 2015, 48, 2537-2546.	7.6	47
761	Two simple correlations to predict viscosities of pure and aqueous solutions of ionic liquids. <i>Journal of Molecular Liquids</i> , 2015, 211, 948-956.	2.3	20
762	Toward Prediction of the Chemistry in Ionic Liquids: An Accurate Computation of Absolute <i>p<i>K</i><sub>a</sub></i> Values of Benzoic Acids and Benzenethiols. <i>Journal of Organic Chemistry</i> , 2015, 80, 8997-9006.	1.7	19

#	ARTICLE	IF	CITATIONS
763	1-Ethyl-2,3-dimethylimidazolium paramagnetic ionic liquids with 3D magnetic ordering in its solid state: synthesis, structure and magneto-structural correlations. <i>RSC Advances</i> , 2015, 5, 60835-60848.	1.7	21
764	Nanostructured Poly(vinylidene fluoride)/Ionic Liquid Composites: Formation of Organic Conductive Nanodomains in Polymer Matrix. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21155-21164.	1.5	36
765	Thioesters synthesis: recent adventures in the esterification of thiols. <i>Journal of Sulfur Chemistry</i> , 2015, 36, 613-623.	1.0	104
766	Choline chloride-based deep eutectic solvents as additives for optimizing chromatographic behavior of caffeic acid. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 2103-2108.	1.2	30
767	Shape and Effective Spring Constant of Liquid Interfaces Probed at the Nanometer Scale: Finite Size Effects. <i>Langmuir</i> , 2015, 31, 9790-9798.	1.6	32
768	Theoretical Studies on the Electronic States and Liquid Structures of Ferrocenium-Based Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5181-5188.	1.1	9
769	Thermodynamic Study of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Dicyanamide Ionic Liquid with Molecular Solvents: New Experimental Data and Modeling with PC-SAFT Equation of State. <i>Journal of Physical Chemistry B</i> , 2015, 119, 543-551.	1.2	29
770	Effects of Aromaticity in Cations and Their Functional Groups on the Low-Frequency Spectra and Physical Properties of Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9173-9187.	1.2	42
771	Investigation of the melting of ionic liquid [emim][PF <sub>6</sub> ] confined inside carbon nanotubes using molecular dynamics simulations. <i>RSC Advances</i> , 2015, 5, 3868-3874.	1.7	31
772	Dynamics of the ionic liquid 1-butyl-3-methylimidazolium bis(trifluoromethylsulphonyl)imide studied by nuclear magnetic resonance dispersion and diffusion. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1653-1659.	1.3	54
773	Enhanced Oxidative Desulfurization of Dibenzothiophene by Functional Mo-Containing Mesoporous Silica. <i>Chemical Engineering and Technology</i> , 2015, 38, 117-124.	0.9	17
774	Are Room-Temperature Ionic Liquids Dilute Electrolytes?. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 159-163.	2.1	118
775	Association in ethylammonium nitrate-dimethyl sulfoxide mixtures: First structural and dynamical evidences. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 333-338.	1.5	27
776	Effects of ionic liquids on membrane fusion and lipid aggregation of egg-PC liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 142-150.	2.5	31
777	Ionic liquid mixtures with tunable physicochemical properties. <i>Electrochimica Acta</i> , 2015, 151, 599-608.	2.6	36
778	Solvent-mediated molar conductivity of protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 475-482.	1.3	20
779	Rechargeable Na/Na <sub>0.44</sub> MnO <sub>2</sub> cells with ionic liquid electrolytes containing various sodium solutes. <i>Journal of Power Sources</i> , 2015, 274, 1016-1023.	4.0	102
780	Non-Ideal Mixing Behaviour of Hydrogen Bonding in Mixtures of Protic Ionic Liquids. <i>ChemPhysChem</i> , 2015, 16, 299-304.	1.0	50

#	ARTICLE	IF	CITATIONS
781	Recent trends in ionic liquid (IL) tolerant enzymes and microorganisms for biomass conversion. <i>Critical Reviews in Biotechnology</i> , 2015, 35, 294-301.	5.1	17
782	Hydrogen-bonding interactions between a pyridinium-based ionic liquid [C4Py][SCN] and dimethyl sulfoxide. <i>Chemical Engineering Science</i> , 2015, 121, 169-179.	1.9	40
783	Low-temperature route to metal titanate perovskite nanoparticles for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 20-28.	10.8	74
784	A comparative study of the effects of the Hofmeister series anions of the ionic salts and ionic liquids on the stability of $\beta$ -chymotrypsin. <i>New Journal of Chemistry</i> , 2015, 39, 938-952.	1.4	58
785	Ionic liquids: not always innocent solvents for cellulose. <i>Green Chemistry</i> , 2015, 17, 231-243.	4.6	159
786	Ionic Liquid Effects on Nucleophilic Aromatic Substitution Reactions from QM/MM Simulations. <i>Journal of Physical Chemistry B</i> , 2015, 119, 743-752.	1.2	24
787	Investigation of 1, 10-Phenanthroline based Ionic Liquids using X-ray photoelectron spectroscopy. <i>Ethiopian Journal of Science and Technology</i> , 2016, 9, 31.	0.2	0
788	Synthesizing 2D and 3D Selenidostannates in Ionic Liquids: The Synergistic Structure-Directing Effects of Ionic Liquids and Metal-Amine Complexes. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1555-1564.	1.7	23
790	Atomistic Insight into Tetraalkylphosphonium Bis(oxalato)borate Ionic Liquid/Water Mixtures. 2. Volumetric and Dynamic Properties. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7446-7455.	1.2	27
791	Imidazolium-based poly(ionic liquid)s with poly(ethylene oxide) main chains: Effects of spacer and tail structures on ionic conductivity. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2896-2906.	2.5	19
792	Elucidation of transport mechanism and enhanced alkali ion transference numbers in mixed alkali metal-organic ionic molten salts. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19336-19344.	1.3	72
793	Interaction between ionic liquid cation and water: infrared predissociation study of [bmim] <sup>+</sup> (H <sub>2</sub> O) <sub>n</sub> clusters. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18905-18913.	1.3	39
794	Lewis Acid Catalyzed Synthesis of Cyanidoborates. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1175-1183.	1.0	16
795	Solvate Ionic Liquids as Reaction Media for Electrocyclic Transformations. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 913-917.	1.2	27
796	Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions. <i>Angewandte Chemie</i> , 2016, 128, 6408-6412.	1.6	15
797	Excitation-energy dependence of solvation dynamics in room-temperature ionic liquids. <i>Journal of Chemical Physics</i> , 2016, 145, 044502.	1.2	6
798	Experimental Insight into the Thermodynamics of the Dissolution of Electrolytes in Room-Temperature Ionic Liquids: From the Mass Action Law to the Absolute Standard Chemical Potential of a Proton. <i>ACS Omega</i> , 2016, 1, 1393-1411.	1.6	16
799	Structure of cyano-anion ionic liquids: X-ray scattering and simulations. <i>Journal of Chemical Physics</i> , 2016, 145, 024503.	1.2	54

#	ARTICLE	IF	CITATIONS
800	Electrochemical and structural properties of the electrical double layer of two-component electrolytes in response to varied electrode potential. <i>Journal of Chemical Physics</i> , 2016, 144, 134701.	1.2	9
801	Corresponding-states behavior of an ionic model fluid with variable dispersion interactions. <i>Journal of Chemical Physics</i> , 2016, 144, 234502.	1.2	3
802	Screening out the non-Arrhenius behaviour of nematic-isotropic transition by room temperature ionic liquid. <i>Journal of Chemical Physics</i> , 2016, 144, 084904.	1.2	4
803	Dissecting ion-specific from electrostatic salt effects on amyloid fibrillation: A case study of insulin. <i>Biointerphases</i> , 2016, 11, 019008.	0.6	12
804	Nonlocal electrostatics in ionic liquids: The key to an understanding of the screening decay length and screened interactions. <i>Journal of Chemical Physics</i> , 2016, 145, 124503.	1.2	34
805	Spectroscopic Evidence for Clusters of Like-Charged Ions in Ionic Liquids Stabilized by Cooperative Hydrogen Bonding. <i>ChemPhysChem</i> , 2016, 17, 458-462.	1.0	115
806	One-pot synthesis of various 2-amino-4H-chromene derivatives using a highly active supported ionic liquid catalyst. <i>RSC Advances</i> , 2016, 6, 32052-32059.	1.7	24
807	Theoretical study of physicochemical properties of ionic liquid [mim][C(CN) <sub>3</sub> ]. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 244-252.	0.6	2
808	Recent progress in studies on polarity of ionic liquids. <i>Science China Chemistry</i> , 2016, 59, 517-525.	4.2	26
809	Determination of Kamlet-Taft parameters for selected solvate ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13153-13157.	1.3	34
810	A study on acute toxicity and solvent capacity of solvate ionic liquids in vivo using a zebrafish model ( <i>Danio rerio</i> ). <i>New Journal of Chemistry</i> , 2016, 40, 6599-6603.	1.4	11
811	3D hierarchical CuO mesocrystals from ionic liquid precursors: towards better electrochemical performance for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8402-8411.	5.2	61
812	High Conductivity, High Strength Solid Electrolytes Formed by in Situ Encapsulation of Ionic Liquids in Nanofibrillar Methyl Cellulose Networks. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13426-13436.	4.0	67
813	Different roles of ionic liquids in lithium batteries. <i>Journal of Power Sources</i> , 2016, 334, 221-239.	4.0	164
814	Impact of water on the charge transport of a glass-forming ionic liquid. <i>Journal of Molecular Liquids</i> , 2016, 223, 635-642.	2.3	16
815	Initial dissolution of D <sub>2</sub> O at the gas-liquid interface of the ionic liquid [C <sub>4</sub> min][NTf <sub>2</sub> ] associated with hydrogen-bond network formation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28061-28068.	1.3	3
816	Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Green Chemistry and Sustainable Technology</i> , 2016, , .	0.4	22
817	About the nanostructure of the ternary system water- [BMIm]PF <sub>6</sub> -TX-100. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 237-248.	5.0	4

#	ARTICLE	IF	CITATIONS
818	Ultrafast excited states dynamics of [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> dissolved in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28893-28900.	1.3	9
819	AuNP@Polymeric Ionic Liquid Composite Multicatalytic Nanoreactors for One-Pot Cascade Reactions. <i>ACS Catalysis</i> , 2016, 6, 7230-7237.	5.5	25
820	Crystallization and Rheology of Poly(ethylene oxide) in Imidazolium Ionic Liquids. <i>Macromolecules</i> , 2016, 49, 6106-6115.	2.2	37
821	A New Volume-Based Approach for Predicting Thermophysical Behavior of Ionic Liquids and Ionic Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2016, 138, 10076-10079.	6.6	69
822	Isothermal Titration Calorimetric Study of Ionic Liquid Solutions in Alcohols at Extreme Dilutions: An Investigation of Ion-Solvent Interactions. <i>Journal of Solution Chemistry</i> , 2016, 45, 1313-1331.	0.6	2
823	The synergistic effect of copper chromite spinel nanoparticles (CuCr <sub>2</sub> O <sub>4</sub> ) and basic ionic liquid on the synthesis of cyclopropanecarboxylic acids. <i>Research on Chemical Intermediates</i> , 2016, 42, 7963-7975.	1.3	9
824	Understanding positive and negative deviations in polarity of ionic liquid mixtures by pseudo-solvent approach. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23853-23863.	1.3	7
825	Dispersion and Hydrogen Bonding Rule: Why the Vaporization Enthalpies of Aprotic Ionic Liquids Are Significantly Larger than those of Protic Ionic liquids. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11682-11686.	7.2	50
826	Femto- to Nanosecond Dynamics in Ionic Liquids: From Single Molecules to Collective Motions. <i>Advances in Dielectrics</i> , 2016, , 53-71.	1.2	2
827	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
828	A compact X-Band resonator for DNP-enhanced Fast-Field-Cycling NMR. <i>Journal of Magnetic Resonance</i> , 2016, 271, 7-14.	1.2	27
829	Investigating the performance of ELM systems in separating organic pollutants from industrial wastewater. <i>Journal of Water Process Engineering</i> , 2016, 13, 79-87.	2.6	8
830	The temperature dependence of the Hofmeister series: thermodynamic fingerprints of cosolute-protein interactions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29698-29708.	1.3	55
831	Genotoxicity evaluation of ionic liquid 1-octyl-3-methylimidazolium bromide in freshwater planarian <i>Dugesia japonica</i> using RAPD assay. <i>Ecotoxicology and Environmental Safety</i> , 2016, 134, 17-22.	2.9	18
832	Symmetry Breaking in Chiral Ionic Liquids Evidenced by Vibrational Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11787-11790.	7.2	21
833	Thermophysical properties and CO <sub>2</sub> absorption studies of the amine functionalized [Amim][Tf <sub>2</sub> N] and the non-functionalized counterpart [bmim][Tf <sub>2</sub> N] ionic liquids. <i>International Journal of Greenhouse Gas Control</i> , 2016, 53, 328-337.	2.3	10
834	Synthesis of Ionic-Liquid-Based Deep Eutectic Solvents for Extractive Desulfurization of Fuel. <i>Energy &amp; Fuels</i> , 2016, 30, 8164-8170.	2.5	79
835	Insights into the effect of CO <sub>2</sub> absorption on the ionic mobility of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28617-28625.	1.3	20

#	ARTICLE	IF	CITATIONS
836	Identification of multiple conformers of the ionic liquid [emim][tf2n] in the gas phase using IR/UV action spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17037-17043.	1.3	19
837	Ultrafast Dynamics in Aromatic Cation Based Ionic Liquids: A Femtosecond Raman-Induced Kerr Effect Spectroscopic Study. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 1106-1128.	2.0	27
838	Unusual linear dependency of viscosity with temperature in ionic liquid/water mixtures. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25801-25805.	1.3	14
839	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
840	Scalable application of thin film coating techniques for supported liquid membranes for gas separation made from ionic liquids. <i>Journal of Membrane Science</i> , 2016, 518, 178-191.	4.1	31
841	New quantum chemistry-based descriptors for better prediction of melting point and viscosity of ionic liquids. <i>Fluid Phase Equilibria</i> , 2016, 427, 498-503.	1.4	35
842	Effect of the environmental humidity on the bulk, interfacial and nanoconfined properties of an ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22719-22730.	1.3	51
843	Influence of various anions and cations on electrochemical and physicochemical properties of the nanostructured Tunable Aryl Alkyl Ionic Liquids (TAAILs): A DFT M06-2X study. <i>Thermochimica Acta</i> , 2016, 639, 20-40.	1.2	20
844	The implications of various molecular interactions on the dielectric behavior of cimetidine and cimetidine hydrochloride. <i>RSC Advances</i> , 2016, 6, 112919-112930.	1.7	2
845	Preferential solvation and ion association properties in aqueous dimethyl sulfoxide solutions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31312-31322.	1.3	30
847	Synthesis of Highly Polymerized Water-soluble Cellulose Acetate by the Side Reaction in Carboxylate Ionic Liquid 1-ethyl-3-methylimidazolium Acetate. <i>Scientific Reports</i> , 2016, 6, 33725.	1.6	28
848	Extraction of Metals with ABS. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 183-220.	0.4	2
849	Dual Ionic and Organic Nature of Ionic Liquids. <i>Scientific Reports</i> , 2016, 6, 19644.	1.6	92
850	Synthesis and thermophysical properties of pyrrolidonium based ionic liquids and their binary mixtures with water and DMSO at T = (293.15 to 333.15) K. <i>Journal of Molecular Liquids</i> , 2016, 224, 882-892.	2.3	25
851	Liquid Structure of CO <sub>2</sub> in Reactive Aprotic Heterocyclic Anion Ionic Liquids from X-ray Scattering and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11951-11960.	1.2	12
852	Thermal behavior and electrochemistry of protic ionic liquids based on triethylamine with different acids. <i>RSC Advances</i> , 2016, 6, 109664-109671.	1.7	43
853	Dispersion und Wasserstoffbrücken bestimmend – Warum die Verdampfungsenthalpien von aprotischen grÄÄyer als die von protischen ionischen FlÄÄssigkeiten sind. <i>Angewandte Chemie</i> , 2016, 128, 11856-11860.	1.6	10
854	Symmetriebruch in chiralen ionischen FlÄÄssigkeiten: Nachweis durch vibratorisch-optische AktivitÄt. <i>Angewandte Chemie</i> , 2016, 128, 11962-11966.	1.6	4

#	ARTICLE	IF	CITATIONS
855	Mode-coupling theoretical study on the roles of heterogeneous structure in rheology of ionic liquids. <i>Journal of Chemical Physics</i> , 2016, 144, 124514.	1.2	21
856	Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6300-6304.	7.2	56
857	Comparative Investigation of the Ionicity of Aprotic and Protic Ionic Liquids in Molecular Solvents by using Conductometry and NMR Spectroscopy. <i>ChemPhysChem</i> , 2016, 17, 1006-1017.	1.0	48
858	The Electrochemical Synthesis of Polycationic Clusters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1173-1177.	7.2	24
859	Volatile Single-Source Precursors for the Low-Temperature Preparation of Sodium-Rare Earth Metal Fluorides. <i>Journal of the American Chemical Society</i> , 2016, 138, 8883-8887.	6.6	33
860	Thiopropyl-containing ionic liquid based periodic mesoporous organosilica as a novel and efficient adsorbent for the removal of Hg(II) and Pb(II) ions from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 58658-58666.	1.7	14
861	Fabrication and characterization of tungsten-containing mesoporous silica for heterogeneous oxidative desulfurization. <i>Chinese Journal of Catalysis</i> , 2016, 37, 971-978.	6.9	29
862	Decay behavior of screened electrostatic surface forces in ionic liquids: the vital role of non-local electrostatics. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18985-19000.	1.3	41
863	Quantum chemical insights and continuum solvation predictions on the dissolution of bituminous and anthracite coal in Ionic Liquid. <i>Journal of Molecular Liquids</i> , 2016, 221, 919-929.	2.3	6
864	Beneficiation of Indian coals using Ionic Liquids. <i>Fuel Processing Technology</i> , 2016, 151, 1-10.	3.7	19
865	The effect of various quantum mechanically derived partial atomic charges on the bulk properties of chloride-based ionic liquids. <i>Chemical Physics</i> , 2016, 475, 23-31.	0.9	10
866	Synthesis, characterization and thermophysical properties of ionic liquid N-methyl-N-(2,3-epoxypropyl)-2-oxopyrrolidinium chloride and its binary mixtures with water or ethanol at different temperatures. <i>Journal of Molecular Liquids</i> , 2016, 219, 685-693.	2.3	22
867	Fluorescence quenching of coumarin 153 by hydroxyl-functionalized room temperature ionic liquids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 165, 161-166.	2.0	6
868	Die elektrochemische Synthese polykationischer Cluster. <i>Angewandte Chemie</i> , 2016, 128, 1188-1192.	1.6	8
869	Amino acid ionic liquid bound copper Schiff base catalyzed highly efficient three component A3-coupling reaction. <i>Catalysis Communications</i> , 2016, 77, 113-117.	1.6	39
870	Spectroscopy and kinetics evidence for the hydrogen-bond activating effect of anion/cation of [Bmim]OAc on the hydrolysis of esters. <i>Journal of Molecular Liquids</i> , 2016, 216, 354-359.	2.3	7
871	Synthesis and toxicity evaluation of hydrophobic ionic liquids for volatile organic compounds biodegradation in a two-phase partitioning bioreactor. <i>Journal of Hazardous Materials</i> , 2016, 307, 221-230.	6.5	30
872	Arrangements of enantiopure and racemic ionic liquids at the liquid/air interface: the role of chirality on self-assembly and layering. <i>RSC Advances</i> , 2016, 6, 8053-8060.	1.7	10



#	ARTICLE	IF	CITATIONS
873	Using imidazolium-based ionic liquids as dual solvent-catalysts for sustainable synthesis of vitamin esters: inspiration from bio- and organo-catalysis. <i>Green Chemistry</i> , 2016, 18, 1240-1248.	4.6	56
874	Covalently attached graphene-ionic liquid hybrid nanomaterials: synthesis, characterization and tribological application. <i>Journal of Materials Chemistry A</i> , 2016, 4, 926-937.	5.2	129
875	The ILs-assisted solvothermal synthesis of TiO <sub>2</sub> spheres: The effect of ionic liquids on morphology and photoactivity of TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2016, 184, 223-237.	10.8	58
876	Selective absorption of CO <sub>2</sub> from H <sub>2</sub> , O <sub>2</sub> and N <sub>2</sub> by 1-hexyl-3-methylimidazolium tris(pentafluoroethyl)trifluorophosphate. <i>Journal of Chemical Thermodynamics</i> , 2016, 97, 48-54.	1.0	24
877	Monitoring early zeolite formation via in situ electrochemical impedance spectroscopy. <i>Chemical Communications</i> , 2016, 52, 5478-5481.	2.2	7
878	Synthesis and application of amphiphilic ionic liquid based on acrylate copolymers as demulsifier and oil spill dispersant. <i>Journal of Molecular Liquids</i> , 2016, 219, 54-62.	2.3	59
879	Tuning the band-gap of h-boron nitride nanoplatelets by covalent grafting of imidazolium ionic liquids. <i>RSC Advances</i> , 2016, 6, 21119-21126.	1.7	16
880	Local coordination and dynamics of a protic ammonium based ionic liquid immobilized in nano-porous silica micro-particles probed by Raman and NMR spectroscopy. <i>Soft Matter</i> , 2016, 12, 2583-2592.	1.2	26
881	Molecular simulations of imidazolium-based tricyanomethanide ionic liquids using an optimized classical force field. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6850-6860.	1.3	15
882	Heterogeneous dynamics and its length scale in simple ionic liquid models: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6486-6497.	1.3	15
883	Hydrogen-bonding interactions between a nitrile-based functional ionic liquid and DMSO. <i>Journal of Molecular Structure</i> , 2016, 1124, 207-215.	1.8	20
884	A detailed assignment of NEXAFS resonances of imidazolium based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8654-8661.	1.3	15
885	Temperature and composition dependence of the density, viscosity and refractive index of binary mixtures of a novel gemini ionic liquid with acetonitrile. <i>RSC Advances</i> , 2016, 6, 29172-29181.	1.7	9
886	Extraction of an active enzyme by self-buffering ionic liquids: a green medium for enzymatic research. <i>RSC Advances</i> , 2016, 6, 18567-18576.	1.7	23
887	Rational Design of Ionic Liquids for Lipid Processing. , 2016, , 153-203.		1
888	Energy-efficient extractive desulfurization of gasoline by polyether-based ionic liquids. <i>Fuel</i> , 2016, 177, 39-45.	3.4	76
889	Recent emergence of photon upconversion based on triplet energy migration in molecular assemblies. <i>Chemical Communications</i> , 2016, 52, 5354-5370.	2.2	152
890	Ionic liquids as tailored media for the synthesis and processing of energy conversion materials. <i>Energy and Environmental Science</i> , 2016, 9, 49-61.	15.6	109

#	ARTICLE	IF	CITATIONS
891	Alcohol as tuning parameter in an IL-containing microemulsion: The quaternary system EAN $\hat{=}$ n-octane $\hat{=}$ C 12 E 3 $\hat{=}$ 1-octanol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 494, 139-146.	2.3	13
892	Probing the Aggregation Behavior of Neat Imidazolium-Based Alkyl Sulfate (Alkyl = Ethyl, Butyl, Hexyl,) Tj ETQq1 1 0.784314 rgBT /Over Correlation Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 193-205.	1.2	31
893	Using UCST Ionic Liquid as a Draw Solute in Forward Osmosis to Treat High-Salinity Water. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1039-1045.	4.6	99
894	Amino acid derived ionic liquid supported iron Schiff base catalyzed greener approach for the aerobic oxidation of amines to nitriles. <i>Tetrahedron Letters</i> , 2016, 57, 723-727.	0.7	17
895	Reactive p-block cations stabilized by weakly coordinating anions. <i>Chemical Society Reviews</i> , 2016, 45, 789-899.	18.7	251
896	Photochemistry of imidazolium cations. Water addition to methylimidazolium ring induced by UV radiation in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 314, 155-163.	2.0	5
897	An Ab Initio QM/MM-Based Approach to Efficiently Evaluate Vertical Excitation Energies in Condensed Phases Including the Nonequilibrium Solvation Effect. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1670-1678.	1.2	10
898	Ionic liquids for nano- and microstructures preparation. Part 1: Properties and multifunctional role. <i>Advances in Colloid and Interface Science</i> , 2016, 230, 13-28.	7.0	100
899	An effect of cation functionalization on thermophysical properties of ionic liquids and solubility of glucose in them $\hat{=}$ Measurements and PC-SAFT calculations. <i>Journal of Chemical Thermodynamics</i> , 2016, 92, 81-90.	1.0	18
900	Toxic effects of ionic liquid 1-octyl-3-methylimidazolium bromide on the antioxidant defense system of freshwater planarian, <i>Dugesia japonica</i> . <i>Toxicology and Industrial Health</i> , 2016, 32, 1675-1683.	0.6	15
901	Actinide ion extraction using room temperature ionic liquids: opportunities and challenges for nuclear fuel cycle applications. <i>Dalton Transactions</i> , 2017, 46, 1730-1747.	1.6	123
902	Deep eutectic solvents: similia similibus solvuntur?. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4041-4047.	1.3	52
903	Towards open boundary molecular dynamics simulation of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4701-4709.	1.3	17
904	Development of solvent systems with room temperature ionic liquids for the countercurrent chromatographic separation of very nonpolar lipid compounds. <i>Journal of Chromatography A</i> , 2017, 1488, 68-76.	1.8	12
905	Biological Activity of Ionic Liquids and Their Application in Pharmaceuticals and Medicine. <i>Chemical Reviews</i> , 2017, 117, 7132-7189.	23.0	1,201
906	Ultraslow Dynamics at a Charged Silicon $\hat{=}$ Ionic Liquid Interface Revealed by X-ray Reflectivity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3841-3845.	1.5	39
907	Effects of electrostatic interaction on the properties of ionic liquids correlated with the change of free volume. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5389-5395.	1.3	10
908	Influence of d -glucose on solvation behavior of Bis C 3 (mim) Br 2. <i>Journal of Molecular Liquids</i> , 2017, 232, 94-104.	2.3	4

#	ARTICLE	IF	CITATIONS
909	A Binary Mixture of Ionic Liquids as a New Approach for an Experimental Diffusion Correction in the Study of Activated Processes. <i>ChemPhysChem</i> , 2017, 18, 1288-1292.	1.0	4
910	The Relation between Vaporization Enthalpies and Viscosities: Eyring's Theory Applied to Selected Ionic Liquids. <i>ChemPhysChem</i> , 2017, 18, 1242-1246.	1.0	12
911	Synthesis of novel water soluble poly (ionic liquids) based on quaternary ammonium acrylamidomethyl propane sulfonate for enhanced oil recovery. <i>Journal of Molecular Liquids</i> , 2017, 233, 508-516.	2.3	48
912	Ionic Liquids in Lithium-Ion Batteries. <i>Topics in Current Chemistry</i> , 2017, 375, 20.	3.0	95
913	Solubilities of Diethyl Phthalate, Dicyclopentadiene, and Styrene in Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 857-863.	1.0	4
914	Anion Analysis of Ionic Liquids and Ionic Liquid Purity Assessment by Ion Chromatography. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 130-135.	0.6	27
915	Current status and future challenges in ionic liquids, functionalized ionic liquids and deep eutectic solvent-mediated synthesis of nanostructured TiO <sub>2</sub> : a review. <i>New Journal of Chemistry</i> , 2017, 41, 2844-2868.	1.4	48
916	Alternative probe for the determination of the hydrogen-bond acidity of ionic liquids and their aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11011-11016.	1.3	27
917	Supramolecular structure fluctuations of an imidazolium-based protic ionic liquid. <i>Journal of Chemical Physics</i> , 2017, 146, 134505.	1.2	2
918	Aqueous ionic liquids and their effects on protein structures: an overview on recent theoretical and experimental results. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 233001.	0.7	81
919	Effect of anion and alkyl chain length on the structure and interactions of N-alkyl pyridinium ionic liquids. <i>Journal of Molecular Liquids</i> , 2017, 240, 694-707.	2.3	31
920	CP MAS Kinetics Study of Ionic Liquids Confined in Mesoporous Silica: Convergence of Non-Classical and Classical Spin Coupling Models. <i>Applied Magnetic Resonance</i> , 2017, 48, 673-685.	0.6	17
921	Structural Investigations on Lithium-Doped Protic and Aprotic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5279-5292.	1.2	24
922	Probing the solute-solvent interactions in the binary mixtures of ionic liquids with water and alcohols by conductance, viscosity and IR spectroscopy. <i>Journal of Molecular Liquids</i> , 2017, 238, 270-280.	2.3	10
923	Green chemical approach for synthesis of Pt/MWCNT nano composite in trioctylmethyl ammonium hydrogen phthalate (TOMAHP) ionic liquid. <i>Materials Chemistry and Physics</i> , 2017, 196, 1-8.	2.0	5
924	How is charge transport different in ionic liquids? The effect of high pressure. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14141-14147.	1.3	16
925	Communication: Inflection in the pressure dependent conductivity of the protic ionic liquid C8HIM Ntf2. <i>Journal of Chemical Physics</i> , 2017, 146, .	1.2	8
926	Comparable Ionicity of the Solutions of Aprotic and Protic Ionic Liquids by Anion Substitution. <i>Journal of Solution Chemistry</i> , 2017, 46, 1315-1327.	0.6	5

#	ARTICLE	IF	CITATIONS
927	Ionic-Liquid-Assisted Microwave Synthesis of Solid Solutions of Sr <sub>1-x</sub> Ba <sub>x</sub> SnO <sub>3</sub> Perovskite for Photocatalytic Applications. ChemSusChem, 2017, 10, 3387-3401.	3.6	40
928	Vaporization of protic ionic liquids derived from organic superbases and short carboxylic acids. Physical Chemistry Chemical Physics, 2017, 19, 16693-16701.	1.3	14
929	Selective Separation of Benzene/Hexane with Ester-Functionalized Ionic Liquids. Energy & Fuels, 2017, 31, 6598-6606.	2.5	13
930	Large Stokes Shift Ionic-Liquid Dye. Angewandte Chemie - International Edition, 2017, 56, 8564-8567.	7.2	11
931	Ionische Flüssigkeit mit eingebautem Farbstoff zeigt große Stokes-Shift. Angewandte Chemie, 2017, 129, 8686-8690.	1.6	0
932	Ionic liquids for low-tension oil recovery processes: Phase behavior tests. Journal of Colloid and Interface Science, 2017, 504, 404-416.	5.0	34
933	Molecular dynamics of 1-ethyl-3-methylimidazolium triflate ionic liquid studied by <sup>1</sup> H and <sup>19</sup> F nuclear magnetic resonances. Physical Chemistry Chemical Physics, 2017, 19, 15368-15376.	1.3	24
934	Self-aggregation of ionic liquid-cationic surfactant mixed micelles in water and in diethylene glycol-water mixtures: Conductometric, tensiometric, and spectroscopic studies. Journal of Molecular Liquids, 2017, 234, 452-462.	2.3	32
935	Carbon capture by absorption – Path covered and ahead. Renewable and Sustainable Energy Reviews, 2017, 76, 1080-1107.	8.2	193
936	Liquid Structure of Bis(trifluoromethylsulfonyl)imide-Based Ionic Liquids Assessed by FT-IR Spectroscopy. Journal of Physical Chemistry B, 2017, 121, 3099-3110.	1.2	8
938	An overview of the performance of the COSMO-RS approach in predicting the activity coefficients of molecular solutes in ionic liquids and derived properties at infinite dilution. Physical Chemistry Chemical Physics, 2017, 19, 11835-11850.	1.3	85
939	Infrared Spectroscopy of Ionic Liquids Consisting of Imidazolium Cations with Different Alkyl Chain Lengths and Various Halogen or Molecular Anions with and without a Small Amount of Water. Journal of Physical Chemistry B, 2017, 121, 3121-3129.	1.2	38
940	Adsorption-Driven Catalytic and Photocatalytic Activity of Phase Tuned In <sub>2</sub> S <sub>3</sub> Nanocrystals Synthesized via Ionic Liquids. ACS Applied Materials & Interfaces, 2017, 9, 11651-11661.	4.0	51
941	Molecular Dynamics Studies on Liquid/Vapor Interface Properties and Structures of 1-Ethyl-3-methylimidazolium Dimethylphosphate-Water. Journal of Physical Chemistry B, 2017, 121, 3087-3098.	1.2	4
942	Detailed Investigation of the Mechanism of Rh-Diphosphite Supported Ionic Liquid Phase (SILP)-Catalyzed 1-Butene Hydroformylation in the Gas Phase via Combined Kinetic and Density Functional Theory (DFT) Modeling Studies. ACS Catalysis, 2017, 7, 1035-1044.	5.5	20
943	Long range electrostatic forces in ionic liquids. Chemical Communications, 2017, 53, 1214-1224.	2.2	285
944	Correlated/non-correlated ion dynamics of charge-neutral ion couples: the origin of ionicity in ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 4975-4988.	1.3	32
945	An absorption mechanism and polarity-induced viscosity model for CO <sub>2</sub> capture using hydroxypyridine-based ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 1134-1142.	1.3	26

#	ARTICLE	IF	CITATIONS
946	Quasi-solid electrolyte: a thixotropic gel of imogolite and an ionic liquid. <i>Chemical Communications</i> , 2017, 53, 613-616.	2.2	20
947	A Triple Salting-Out Effect is Required for the Formation of Ionic-Liquid-Based Aqueous Multiphase Systems. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15058-15062.	7.2	14
948	Ab Initio Study of Structural Features and H-Bonding in Alkylammonium-Based Protic Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7675-7683.	1.1	26
949	Charakterisierung von Wasserstoffbrücken zwischen Ionen in protischen ionischen Flüssigkeiten mittels NMR-Deuteron-Quadrupol-Kopplungskonstanten – Unterschiede zu H-Brücken in Amiden, Peptiden und Proteinen. <i>Angewandte Chemie</i> , 2017, 129, 14500-14505.	1.6	5
950	Extraction and separation of multiple platinum group metals from hydrochloric acid solution with sole 1-hexyl-3-methylimidazole-2-thione using microextraction method. <i>Hydrometallurgy</i> , 2017, 174, 167-174.	1.8	17
951	NMR spectroscopic studies of a TAT-derived model peptide in imidazolium-based ILs: influence on chemical shifts and the cis/trans equilibrium state. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24115-24125.	1.3	5
952	Multimodal porous carbon derived from ionic liquids: correlation between pore sizes and ionic clusters. <i>Nanoscale</i> , 2017, 9, 14672-14681.	2.8	30
953	Atomistic insights into the thermodynamics, structure, and dynamics of ionic liquid 1-hexyl-3-methylimidazolium hexafluorophosphate via molecular dynamics study. <i>Journal of Molecular Liquids</i> , 2017, 246, 39-47.	2.3	14
954	Characterization of Doubly Ionic Hydrogen Bonds in Protic Ionic Liquids by NMR Deuteron Quadrupole Coupling Constants: Differences to H-bonds in Amides, Peptides, and Proteins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14310-14314.	7.2	35
955	Two-dimensional pattern formation in ionic liquids confined between graphene walls. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24505-24512.	1.3	18
956	Polarity of tetraalkylammonium-based ionic liquids and related low temperature molten salts. <i>New Journal of Chemistry</i> , 2017, 41, 8561-8567.	1.4	16
957	Hydrogen Bonding versus $\pi$ - $\pi$ Stacking Interactions in Imidazolium-Oxalato-borate Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7173-7179.	1.2	47
958	The properties of residual water molecules in ionic liquids: a comparison between direct and inverse Kirkwood- $\epsilon$ Buff approaches. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18924-18937.	1.3	35
959	Aqueous ionic liquids and their influence on peptide conformations: denaturation and dehydration mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20430-20440.	1.3	54
960	Liquid Phase Behavior in Systems of 1-Butyl-3-alkylimidazolium bis{(trifluoromethyl)sulfonyl}imide Ionic Liquids with Water: Influence of the Structure of the C5 Alkyl Substituent. <i>Journal of Solution Chemistry</i> , 2017, 46, 1456-1474.	0.6	11
961	Behavior, mechanism, and equilibrium studies of rhodium( $\text{I}$ ) extraction from hydrochloric acid with HMIImT. <i>New Journal of Chemistry</i> , 2017, 41, 10054-10061.	1.4	6
963	Dielectric study on mixtures of ionic liquids. <i>Scientific Reports</i> , 2017, 7, 7463.	1.6	38
964	Ferroelectric Phase Behaviors in Porous Electrodes. <i>Langmuir</i> , 2017, 33, 11574-11581.	1.6	1

#	ARTICLE	IF	CITATIONS
965	Probing the microscopic structural organization of neat ionic liquids (ILs) and ionic liquid-based gels through resonance energy transfer (RET) studies. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23194-23203.	1.3	15
966	Kinetic Profile and Catalytic Activity of Transition Metal-Based Ionic Liquids for Reduction of Nitroarenes via <i>In Situ</i> Formation of Nanoparticles. <i>ChemistrySelect</i> , 2017, 2, 6833-6843.	0.7	14
967	Computer-Aided Molecular Design of New Task-Specific Ionic Liquids for Extractive Desulfurization of Gasoline. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9032-9042.	3.2	39
968	Benzene-centred tripodal diglycolamides for the sequestration of trivalent actinides: metal ion extraction and luminescence spectroscopic investigations in a room temperature ionic liquid. <i>Dalton Transactions</i> , 2017, 46, 11355-11362.	1.6	26
969	Introducing the Bipolar Solvent Media Using the Aqueous Mixtures of Amino Acid Anion-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2017, 121, 11367-11375.	1.2	2
970	Microphase Separation in Oil-Water Mixtures Containing Hydrophilic and Hydrophobic Ions. <i>Physical Review Letters</i> , 2017, 119, 218001.	2.9	10
971	Alkylpyridinium Tetrahalidometallate Ionic Liquids and Ionic Liquid Crystals: Insights into the Origin of Their Phase Behavior. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5640-5649.	1.0	7
972	Revisiting OPLS Force Field Parameters for Ionic Liquid Simulations. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 6131-6145.	2.3	296
973	On the dissolution of cellulose in tetrabutylammonium acetate/dimethyl sulfoxide: a frustrated solvent. <i>Cellulose</i> , 2017, 24, 3645-3657.	2.4	36
974	Effect of Nitrogen Doping on Glass Transition and Electrical Conductivity of [EMIM][PF <sub>6</sub> ] Ionic Liquid Encapsulated in a Zigzag Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15493-15508.	1.5	18
975	Linking the structures, free volumes, and properties of ionic liquid mixtures. <i>Chemical Science</i> , 2017, 8, 6359-6374.	3.7	74
976	Underscreening, overscreening and double-layer capacitance. <i>Electrochemistry Communications</i> , 2017, 82, 129-133.	2.3	80
977	Ionic liquid-based hybrid absorption cycle for water heating, dehumidification, and cooling. <i>Applied Energy</i> , 2017, 202, 746-754.	5.1	38
978	Preparation and Characterization of Ionic Liquids. , 2017, , 13-44.		1
979	Influence of ionic liquid on the polymer-filler coupling and mechanical properties of nano-silica filled elastomer. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	10
980	Toluene degradation in a two-phase partitioning bioreactor involving a hydrophobic ionic liquid as a non-aqueous phase liquid. <i>International Biodeterioration and Biodegradation</i> , 2017, 117, 31-38.	1.9	22
981	Linking Diffusion-Viscosity Decoupling and Jump Dynamics in a Hydroxyl-Functionalized Ionic Liquid: Realization of Microheterogeneous Nature of the Medium. <i>ChemPhysChem</i> , 2017, 18, 198-207.	1.0	17
982	Liquid-liquid phase equilibrium and heat capacity of binary solution {2-propanol + 1-octyl-3-methylimidazolium hexafluorophosphate}. <i>Journal of Chemical Thermodynamics</i> , 2017, 105, 434-442.	1.0	6

#	ARTICLE	IF	CITATIONS
983	Ionic liquid functionalized graphene oxide for enhancement of styrene- <i>butadiene</i> rubber nanocomposites. <i>Polymers for Advanced Technologies</i> , 2017, 28, 293-302.	1.6	50
984	A computational study of ion speciation in mixtures of protic ionic liquids with various molecular solvents: Insight into the solvent polarity and anion basicity. <i>International Journal of Quantum Chemistry</i> , 2017, 117, 170-179.	1.0	4
985	Aminopropyl-containing ionic liquid based organosilica as a novel and efficient adsorbent for removal of crystal violet from wastewaters. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 1294-1302.	1.7	6
986	Comparison of the Photo-thermal Energy Conversion Behavior of Polar Bear Hair and Wool of Sheep. <i>Journal of Bionic Engineering</i> , 2017, 14, 616-621.	2.7	19
987	Ionic Liquids and Neutron Scattering. <i>Experimental Methods in the Physical Sciences</i> , 2017, 49, 213-278.	0.1	7
988	Imidazolium-Based Ionic Liquid Binary Solvent System as an Extraction Medium in Enhancing the Rotenone Yield Extracted from <i>Derris elliptica</i> Roots. , 0, , .		0
989	More than a Solvent: Donor- <i>Acceptor</i> Complexes of Ionic Liquids and Electron Acceptors. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2646-2654.	1.2	9
990	Effect of carbon nanofibers on mechanical and electrical behaviors of acrylonitrile- <i>butadiene</i> rubber composites. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1661-1669.	1.6	18
991	Finding the best density functional approximation to describe interaction energies and structures of ionic liquids in molecular dynamics studies. <i>Journal of Chemical Physics</i> , 2018, 148, 193835.	1.2	38
992	Mesoscopic structural organization in fluorinated room temperature ionic liquids. <i>Comptes Rendus Chimie</i> , 2018, 21, 757-770.	0.2	12
993	Molecular-level understanding of supported ionic liquid membranes for gas separation. <i>Journal of Molecular Liquids</i> , 2018, 262, 230-236.	2.3	19
994	Electrostatic interactions in soft particle systems: mesoscale simulations of ionic liquids. <i>Soft Matter</i> , 2018, 14, 4252-4267.	1.2	21
995	Rotational and translational dynamics and their relation to hydrogen bond lifetimes in an ionic liquid by means of NMR relaxation time experiments and molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 2018, 148, 193843.	1.2	22
996	An ionic liquid- <i>graphene</i> oxide hybrid nanomaterial: synthesis and anticorrosive applications. <i>Nanoscale</i> , 2018, 10, 8115-8124.	2.8	175
997	Enthalpic interactions in aqueous strong electrolytes upon addition of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11089-11099.	1.3	3
998	A facile route to ionic liquids-functionalized ZnO nanorods for the fluorometric sensing of thiabendazole drug. <i>Journal of Molecular Liquids</i> , 2018, 261, 137-145.	2.3	9
999	Dynamical heterogeneities in ionic liquids as revealed from deuteron NMR. <i>Chemical Communications</i> , 2018, 54, 3098-3101.	2.2	21
1000	Probing Ionic Liquid Electrolyte Structure via the Glassy State by Dynamic Nuclear Polarization NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1007-1011.	2.1	17

#	ARTICLE	IF	CITATIONS
1001	Differences in the behavior of dicationic and monocationic ionic liquids as revealed by time resolved-fluorescence, NMR and fluorescence correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7844-7856.	1.3	20
1002	Stability analysis of environmentally benign green emulsion liquid membrane. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1510-1517.	1.3	26
1003	Effect of water and ionic liquids on biomolecules. <i>Biophysical Reviews</i> , 2018, 10, 795-808.	1.5	31
1004	Molecular and Thermodynamic Properties of Zwitterions versus Ionic Liquids: A Comprehensive Computational Analysis to Develop Advanced Separation Processes. <i>ChemPhysChem</i> , 2018, 19, 801-815.	1.0	10
1005	Effects of aromaticity in cations and their functional groups on the temperature dependence of low-frequency spectrum. <i>Journal of Chemical Physics</i> , 2018, 148, 193805.	1.2	11
1006	Temperature- and pressure-dependent infrared spectroscopy of 1-butyl-3-methylimidazolium trifluoromethanesulfonate: A dipolar coupling theory analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 338-343.	2.0	5
1007	Exploring the role of ionic liquids to tune the polymorphic outcome of organic compounds. <i>Chemical Science</i> , 2018, 9, 1510-1520.	3.7	30
1008	Ionic liquids: a brief history. <i>Biophysical Reviews</i> , 2018, 10, 691-706.	1.5	658
1009	Focus Article: Oscillatory and long-range monotonic exponential decays of electrostatic interactions in ionic liquids and other electrolytes: The significance of dielectric permittivity and renormalized charges. <i>Journal of Chemical Physics</i> , 2018, 148, 193701.	1.2	58
1010	Thermodynamic Modeling of Multicomponent Liquid-Liquid Equilibria in Ionic Liquid Systems with PC-SAFT Equation of State. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 5413-5432.	1.8	7
1011	para-Xylyl bis(1-methylimidazolium bis(trifluoromethanesulfonyl)imide): Synthesis, crystal structure, thermal stability, vibrational studies. <i>Journal of Molecular Liquids</i> , 2018, 260, 391-402.	2.3	17
1012	Hydrogen-bonding interactions between 1-butyl-2,3-dimethylimidazolium tetrafluoroborate and dimethyl sulphoxide. <i>Journal of Molecular Structure</i> , 2018, 1164, 70-76.	1.8	17
1013	Effect of cation-anion interactions on the structural and vibrational properties of 1-butyl-3-methylimidazolium nitrate ionic liquid. <i>Journal of Molecular Structure</i> , 2018, 1164, 563-576.	1.8	36
1014	Isobaric vapor-liquid equilibrium for chloroform+ ethanol+ 1,3-dimethylimidazolium dimethylphosphate at 101.3 kPa. <i>Fluid Phase Equilibria</i> , 2018, 466, 14-18.	1.4	16
1015	Sensitivity of electro spray molecular dynamics simulations to long-range Coulomb interaction models. <i>Physical Review E</i> , 2018, 97, 033306.	0.8	14
1016	Dynamics of binary mixtures of an ionic liquid and ethanol by NMR. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 108-112.	1.1	3
1017	The Stokes-Einstein equation and the diffusion of ferrocene in imidazolium-based ionic liquids studied by cyclic voltammetry: Effects of cation ion symmetry and alkyl chain length. <i>Electrochimica Acta</i> , 2018, 259, 245-252.	2.6	31
1018	Solvate and protic ionic liquids from aza-crown ethers: synthesis, thermal properties, and LCST behavior. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3118-3127.	1.3	4



#	ARTICLE	IF	CITATIONS
1019	On the temperature dependence of the double layer capacitance of ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 347-358.	1.9	67
1020	Exploring the bulk-phase structure of ionic liquid mixtures using small-angle neutron scattering. <i>Faraday Discussions</i> , 2018, 206, 265-289.	1.6	42
1021	Ionic liquids as solvents for $\beta$ -Erenkov counting and the effect of a wavelength shifter. <i>Applied Radiation and Isotopes</i> , 2018, 134, 275-279.	0.7	6
1022	Impact of activated sludge acclimation on the biodegradation of toluene absorbed in a hydrophobic ionic liquid. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 621-630.	1.8	2
1023	Activation of Electrophile/Nucleophile Pair by a Nucleophilic and Electrophilic Solvation in a SNAr Reaction. <i>Frontiers in Chemistry</i> , 2018, 6, 509.	1.8	11
1024	The peculiar effect of water on ionic liquids and deep eutectic solvents. <i>Chemical Society Reviews</i> , 2018, 47, 8685-8720.	18.7	346
1025	Nanoscale heterogeneities in ionic liquids: insights from EPR of spin probes. <i>Mendeleev Communications</i> , 2018, 28, 565-573.	0.6	27
1026	Plasmon-Enhanced Photodegradation of Ionic Liquids with Ag Nanocubes/ZnO Microsphere Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 15597-15605.	1.8	14
1027	Treatment of Ion-Size Asymmetry in Lattice-Gas Models for Electrical Double Layer. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28652-28664.	1.5	21
1028	Spektroskopischer Nachweis einer attraktiven Kation-Kation-Wechselwirkung in OH-funktionalisierten ionischen Flüssigkeiten: ein H-bekanntes gebundenes kettenförmiges Trimer. <i>Angewandte Chemie</i> , 2018, 130, 15590-15594.	1.6	9
1029	Molecular Dynamics Electrospray Simulations of Coarse-Grained Ethylammonium Nitrate (EAN) and 1-Ethyl-3-Methylimidazolium Tetrafluoroborate (EMIM-BF <sub>4</sub> ). <i>Aerospace</i> , 2018, 5, 1.	1.1	57
1030	Understanding the Microscopic Behavior of Binary Mixtures of Ionic Liquids through Various Spectroscopic Techniques. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12114-12130.	1.2	17
1031	Salt Effect in Ion-Pair Dynamics after Bimolecular Photoinduced Electron Transfer in a Room-Temperature Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7015-7020.	2.1	8
1033	Molecular Mechanisms Underlying Lubrication by Ionic Liquids: Activated Slip and Flow. <i>Lubricants</i> , 2018, 6, 64.	1.2	21
1034	Capacity Enhancement of Ionic Liquids-Based Nanofluid for Fuels Desulfurization Purposes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 14718-14726.	1.8	13
1035	Spectroscopic Evidence for an Attractive Cation-Cation Interaction in Hydroxy-Functionalized Ionic Liquids: A Hydrogen-Bonded Chainlike Trimer. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15364-15368.	7.2	51
1036	Thermodynamic Properties and Intermolecular Interactions of a Series of <i>n</i> -Butylammonium Carboxylate Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 0, , .	1.0	4
1037	Structure of a Mixture of Graphene Plates and Ionic Liquid 1-Octyl-3-methylimidazolium Hexafluoroborate. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 598-603.	1.3	0

#	ARTICLE	IF	CITATIONS
1038	Porphyritic Ionic Liquid Dyes: Synthesis and Characterization. <i>ChemistryOpen</i> , 2018, 7, 659-663.	0.9	5
1039	Solvent processing of cellulose for effective bioresource utilization. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 14, 40-52.	3.2	31
1040	Competitive Microstructures Versus Cooperative Dynamics of Hydrogen Bonding and $\pi$ -Type Stacking Interactions in Imidazolium Bis(oxalato)borate Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6570-6585.	1.2	21
1041	Structural Motifs in Cold Ternary Ion Complexes of Hydroxyl-Functionalized Ionic Liquids: Isolating the Role of Cation-Cation Interactions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2979-2984.	2.1	47
1042	Self-assembled alkyl imidazolium based organosilica as efficient support for sulfonic acid catalyst in the synthesis of bis(indolyl)methanes. <i>Polyhedron</i> , 2018, 154, 229-235.	1.0	16
1043	Structural Anomalies in Ionic Liquids near the Glass Transition Revealed by Pulse EPR. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4607-4612.	2.1	32
1044	Theory of electrosorption of water from ionic liquids. <i>Electrochimica Acta</i> , 2018, 284, 346-354.	2.6	53
1045	Appraisal of 1-Butylimidazole-Derived Ionic Liquids as Anthelmintic Agents: An Experimental and In Silico Approach. <i>ChemistrySelect</i> , 2018, 3, 7518-7526.	0.7	4
1046	Transdermal insulin delivery using choline-based ionic liquids (CAGE). <i>Journal of Controlled Release</i> , 2018, 286, 137-144.	4.8	147
1047	Gas diffusion and evaporation control using EWOD actuation of ionic liquid microdroplets for gas sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 647-654.	4.0	9
1048	XPS investigation of the vacuum interface of an ionic liquid under triangular electrical excitation for slow transients. <i>Analytical Methods</i> , 2018, 10, 4225-4228.	1.3	4
1049	Synthesis and properties of novel ammonium-based room-temperature gemini ionic liquids. <i>RSC Advances</i> , 2018, 8, 26255-26265.	1.7	8
1050	Polymerized Ionic Liquids with Polythiophene Backbones: Self-Assembly, Thermal Properties, and Ion Conduction. <i>Macromolecules</i> , 2018, 51, 6440-6450.	2.2	25
1051	Molecular dynamics in 1-alkyl-3-methylimidazolium bromide ionic liquids: A reanalysis of quasielastic neutron scattering results. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
1052	Ionic liquid microdroplet manipulation by electrowetting-on-dielectric for on/off diffusion control. , 2018, , .		1
1053	Ethoxy-Ester Functionalized Imidazolium based Ionic Liquids for Lithium Ion Batteries. <i>ChemistrySelect</i> , 2018, 3, 6255-6261.	0.7	10
1054	Charge Environment and Hydrogen Bond Dynamics in Binary Ionic Liquid Mixtures: A Computational Study. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3511-3516.	2.1	13
1055	NMR Studies of Protic Ionic Liquids. <i>Annual Reports on NMR Spectroscopy</i> , 2018, , 147-190.	0.7	7

#	ARTICLE	IF	CITATIONS
1056	Influence of Cation Size on the Structural Features and Interactions in Tertiary Alkylammonium Trifluoroacetates: A Density Functional Theory Investigation. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5878-5885.	1.1	15
1057	Solvation effect of [BMIM]Cl/AlCl <sub>3</sub> ionic liquid electrolyte. <i>Ionics</i> , 2019, 25, 163-169.	1.2	3
1058	Ion Transport in Pendant and Backbone Polymerized Ionic Liquids. <i>Macromolecules</i> , 2019, 52, 6438-6448.	2.2	30
1059	Fluorescence quenching of sulforhodamine B in novel greener solvent by metallic gold nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 293, 111483.	2.3	2
1060	Correlating structure and transport behavior in Li <sup>+</sup> and O <sub>2</sub> containing pyrrolidinium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17176-17189.	1.3	8
1061	Solvation in ionic liquid-water mixtures: A computational study. <i>Journal of Molecular Liquids</i> , 2019, 292, 111273.	2.3	10
1062	Câ€D Vibration at C2 Position of Imidazolium Cation as a Probe of the Ionic Liquid Microenvironment. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6342-6349.	1.1	10
1063	Dissolution of cellulose in ionic liquids and their mixed cosolvents: A review. <i>Sustainable Chemistry and Pharmacy</i> , 2019, 13, 100162.	1.6	76
1064	Cooperatively enhanced hydrogen bonds in ionic liquids: closing the loop with molecular mimics of hydroxy-functionalized cations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18092-18098.	1.3	29
1065	Insights into the structural changes of bovine serum albumin in ethanollammonium laurate based surface active ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 290, 111229.	2.3	16
1066	Influence of Cation and Anion Type on the Formation of the Electroactive Î²-Phase and Thermal and Dynamic Mechanical Properties of Poly(vinylidene fluoride)/Ionic Liquids Blends. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27917-27926.	1.5	50
1067	Hydrogen Bonding Between Ions of Like Charge in Ionic Liquids Characterized by NMR Deuteron Quadrupole Coupling Constantsâ€Comparison with Salt Bridges and Molecular Systems. <i>Angewandte Chemie</i> , 2019, 131, 18027-18035.	1.6	7
1068	Hydrogen Bonding Between Ions of Like Charge in Ionic Liquids Characterized by NMR Deuteron Quadrupole Coupling Constantsâ€Comparison with Salt Bridges and Molecular Systems. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17863-17871.	7.2	41
1069	Synthesis of Lowâ€Viscosity Ionic Liquids for Application in Dyeâ€Sensitized Solar Cells. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4201-4206.	1.7	21
1070	Influence of alcohols on the inter-ion interactions in ionic liquids: A molecular dynamics study. <i>Journal of Molecular Liquids</i> , 2019, 294, 111538.	2.3	12
1071	Translational Diffusion in a Set of Imidazolium-Based Ionic Liquids [bmim]+Aâ€ and Their Mixtures with Water. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9187-9197.	1.2	22
1072	Room Temperature Ionic Liquids as Sensing Coatings of QCM Gas Sensors to Detect Different Organic Gases. , 2019, , .		1
1073	Structural Anomalies in Binary Mixtures of Ionic Liquid [Bmim]BF <sub>4</sub> with Water Studied by EPR. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9956-9962.	1.2	22

#	ARTICLE	IF	CITATIONS
1074	Regenerating leather waste for flexible pressure sensing applications. <i>Journal of Leather Science and Engineering</i> , 2019, 1, .	2.7	14
1075	Transition metal containing ionic liquid-assisted one-pot synthesis of pyrazoles at room temperature. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	12
1076	Heterogeneous Rate Constants of the Electron-Transfer of Iron- and Ruthenium-bipyridine Complexes in Imidazolium-Based Ionic Liquids. <i>Journal of the Electrochemical Society</i> , 2019, 166, H635-H639.	1.3	4
1077	Establishing Predictive Models for Solvatochromic Parameters of Ionic Liquids. <i>Frontiers in Chemistry</i> , 2019, 7, 605.	1.8	9
1078	Dielectric Relaxation and Hydration Interactions for Protic and Aprotic Ionic Liquids using Time Domain Reflectometry. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8976-8986.	1.2	4
1079	Influence of ionic liquids and concentration of red phosphorous on luminescent Cu3P nanocrystals. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	4
1080	Diffusion of Radical Ions in Ionic Liquids Having Long Alkyl Chains. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8425-8432.	1.2	5
1081	Mesoscale Organization and Dynamics in Binary Ionic Liquid Mixtures. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6274-6280.	2.1	27
1082	Synthesis of Pyrazolo-Fused 4-Azafluorenones in an Ionic Liquid. Mechanistic Insights by Joint Studies Using DFT Analysis and Mass Spectrometry. <i>Catalysts</i> , 2019, 9, 820.	1.6	5
1083	Microwave Synthesis of Fused Pyrans by Humic Acid Supported Ionic Liquid Catalyst and Their Antimicrobial, Antioxidant, Toxicity Assessment, and Molecular Docking Studies. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 867-885.	1.4	6
1084	Femtosecond Raman-Induced Kerr Effect Study of Temperature-Dependent Intermolecular Dynamics in Pyrrolidinium-Based Ionic Liquids: Effects of Anion Species. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1307-1323.	1.2	13
1085	Separation of light hydrocarbons with ionic liquids: A review. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1374-1382.	1.7	30
1086	Tuning the Reactivity of TEMPO during Electrocatalytic Alcohol Oxidations in Room-Temperature Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11691-11699.	3.2	21
1087	Comparative study of the physical and electrochemical behavior of direct N-SO <sub>3</sub> H functionalized 1, 3-disulfo-2-alkyl-imidazolium trifluoroacetate ionic liquids in molecular solvents. <i>Journal of Molecular Liquids</i> , 2019, 289, 111099.	2.3	11
1088	Computational analysis of conductivity contributions in an ionic liquid mixture of 1-ethyl-3-methylimidazolium dicyanamide and tetrafluoroborate. <i>Journal of Molecular Liquids</i> , 2019, 288, 110993.	2.3	9
1089	Intelligent Liquid Integrated Functional Entity: A Basic Way to Innovate Future Advanced Biomimetic Soft Robotics. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900017.	3.3	11
1090	Molecular Dynamics Simulation of Wetting and Interfacial Properties of Multicationic Ionic Liquid Nanodroplets on Boron Nitride Monolayers: A Comparative Approach. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13551-13560.	1.5	15
1091	Free and Bound States of Ions in Ionic Liquids, Conductivity, and Underscreening Paradox. <i>Physical Review X</i> , 2019, 9, .	2.8	54

#	ARTICLE	IF	CITATIONS
1092	Brief bibliometric analysis of ionic liquid applications and its review as a substitute for common adsorbent modifier for the adsorption of organic pollutants. <i>Environmental Research</i> , 2019, 175, 34-51.	3.7	39
1093	Dissecting the Vaporization Enthalpies of Ionic Liquids by Exclusively Experimental Methods: Coulomb Interaction, Hydrogen Bonding, and Dispersion Forces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8589-8592.	7.2	19
1094	Zerlegung der Verdampfungsenthalpien ionischer Flüssigkeiten durch rein experimentelle Methoden: Coulomb-Wechselwirkung, Wasserstoffbrücken und Dispersionskräfte. <i>Angewandte Chemie</i> , 2019, 131, 8679-8683.	1.6	1
1095	Density functional theory of confined ionic liquids: A survey of the effects of ion type, molecular charge distribution, and surface adsorption. <i>Journal of Chemical Physics</i> , 2019, 150, 184502.	1.2	14
1096	Liquid Properties of Ionic Liquids Based on Phosphonium Cations with (Alkylthio)alkyl Groups. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4701-4707.	1.0	9
1097	Hydration States of Cholinium Phosphate-Type Ionic Liquids as a Function of Water Content. <i>Australian Journal of Chemistry</i> , 2019, 72, 392.	0.5	6
1099	Organic Ionic Plastic Crystals as Solid-State Electrolytes. <i>Trends in Chemistry</i> , 2019, 1, 126-140.	4.4	102
1100	Incorporating a concentration-dependent dielectric constant into ePC-SAFT. An application to binary mixtures containing ionic liquids. <i>Fluid Phase Equilibria</i> , 2019, 492, 26-33.	1.4	48
1101	Ionic liquids and protein folding—old tricks for new solvents. <i>Biophysical Reviews</i> , 2019, 11, 209-225.	1.5	19
1102	Properties of pure 1-(3-(trimethylammonio)prop-1-yl)-3-methylimidazolium bis(dicyanamide) asymmetrical gemini ionic liquid and its binary mixture with isopropanol at $T = (283.15 \text{--} 333.15) \text{ K}$ . <i>Journal of Chemical Thermodynamics</i> , 2019, 134, 84-95.		8
1103	Selection rules for estimating the solubility of C <sub>4</sub> -hydrocarbons in imidazolium ionic liquids determined by machine-learning tools. <i>Journal of Molecular Liquids</i> , 2019, 284, 511-521.	2.3	9
1104	The Polarity of Ionic Liquids: Relationship between Relative Permittivity and Spectroscopic Parameters of Probe. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 7352-7361.	1.8	25
1105	An ab initio Study of the Structure and Energetics of Hydrogen Bonding in Ionic Liquids. <i>Frontiers in Chemistry</i> , 2019, 7, 208.	1.8	48
1106	Insight into the structure and interaction properties of 1-propylnitrile-3-methylimidazolium bis(trifluoromethylsulfonyl)imide and chloroform mixtures. <i>Journal of Molecular Liquids</i> , 2019, 283, 748-755.	2.3	9
1107	Ranking the solubility of ammonia in ionic liquids using near infrared spectroscopy and multivariate curve resolution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 88-96.	2.0	7
1108	Dynamical Correlations for Statistical Copolymers from High-Throughput Broad-Band Dielectric Spectroscopy. <i>ACS Combinatorial Science</i> , 2019, 21, 276-299.	3.8	5
1109	Modeling the Water Solubility in Imidazolium-Based Ionic Liquids Using the Peng-Robinson Equation of State. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 4341-4353.	1.8	4
1110	Molecular Mobility in a Set of Imidazolium-Based Ionic Liquids [bmim]A <sup>+</sup> by the NMR-Relaxation Method. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2362-2372.	1.2	21

#	ARTICLE	IF	CITATIONS
1111	TEMPO in Chemical Transformations: From Homogeneous to Heterogeneous. ACS Catalysis, 2019, 9, 2777-2830.	5.5	125
1112	Understanding the Behavior of Monocationic and Dicationic Room-Temperature Ionic Liquids through Resonance Energy-Transfer Studies. Langmuir, 2019, 35, 16172-16184.	1.6	11
1113	Triethylamine-Based Salts: Protic Ionic Liquids or Molecular Complexes?. Journal of Physical Chemistry B, 2019, 123, 10794-10806.	1.2	23
1114	On the relation between reorientation and diffusion in glass-forming ionic liquids with micro-heterogeneous structures. Journal of Chemical Physics, 2019, 151, 194503.	1.2	22
1115	Advances in sodium secondary batteries utilizing ionic liquid electrolytes. Energy and Environmental Science, 2019, 12, 3247-3287.	15.6	129
1116	Reorientation dynamics and ion diffusivity of neat dimethylimidazolium dimethylphosphate probed by NMR spectroscopy. RSC Advances, 2019, 9, 35735-35750.	1.7	5
1117	Supported ionic liquid membranes with high carrier efficiency via strong hydrogen-bond basicity for the sustainable and effective olefin/paraffin separation. Chemical Engineering Science, 2019, 193, 27-37.	1.9	31
1118	Deep Desulfurization of Fuels Using Imidazole Anion-Based Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 1890-1900.	3.2	52
1119	Can common liquid polymers and surfactants capture CO <sub>2</sub> ?. Journal of Molecular Liquids, 2019, 277, 594-605.	2.3	12
1120	Review of the current technologies and performances of hydrogen compression for stationary and automotive applications. Renewable and Sustainable Energy Reviews, 2019, 102, 150-170.	8.2	227
1121	Potential of a Novel Surfactant Slug in Recovering Additional Oil from Highly Saline Calcite Cores during the EOR Process: Synergistic Blend of Surface Active Ionic Liquid and Nonionic Surfactant. Energy & Fuels, 2019, 33, 541-550.	2.5	18
1122	Ab Initio Investigation of the Interionic Interactions in Triethylammonium-Based Protic Ionic Liquids: The Role of Anions in the Formation of Ion Pair and Hydrogen Bonded Structure. Journal of Physical Chemistry A, 2019, 123, 293-300.	1.1	25
1123	Assessment of VOC absorption in hydrophobic ionic liquids: Measurement of partition and diffusion coefficients and simulation of a packed column. Chemical Engineering Journal, 2019, 360, 1416-1426.	6.6	73
1124	Thin-Film Electrode-Based Supercapacitors. Joule, 2019, 3, 338-360.	11.7	171
1125	Volumetric and viscometric investigation of aqueous solution of [Bmim][BF <sub>4</sub> ] from 288.15 to 318.15 K. Journal of Molecular Liquids, 2019, 278, 600-606.	2.3	11
1126	Conditional Reversible Work Coarse-Grained Models with Explicit Electrostatics—An Application to Butylmethylimidazolium Ionic Liquids. Journal of Chemical Theory and Computation, 2019, 15, 1187-1198.	2.3	7
1127	Multi-elemental ionic liquid-based solvent bar micro-extraction of priority and emerging trace metallic pollutants (Cd, Ag, Pd) in natural waters. Journal of Hazardous Materials, 2019, 370, 63-69.	6.5	22
1128	Solvent-Free Aerobic Oxidation of Ethylbenzene Promoted by NHPI/Co(II) Catalytic System: The Key Role of Ionic Liquids. ChemCatChem, 2020, 12, 259-266.	1.8	30

#	ARTICLE	IF	CITATIONS
1129	Interaction of ionic liquids with proteins: NMR studies of binding and dynamics. Annual Reports on NMR Spectroscopy, 2020, , 1-56.	0.7	7
1130	A combination of FTIR and DFT to study the microscopic structure and hydrogen-bonding interaction properties of the [BMIM][BF <sub>4</sub> ] and water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 226, 117624.	2.0	21
1131	The structure and interaction properties of two task-specific ionic liquids and acetonitrile mixtures: A combined FTIR and DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 226, 117641.	2.0	25
1132	Experimental and theoretical probing of the physicochemical properties of ionic liquids composed of [Bn-DBU] <sup>+</sup> cation and various anions. Journal of Molecular Structure, 2020, 1202, 127226.	1.8	12
1133	Effect of 1-ethyl-3-methylimidazolium acetate on the oxidation of caffeic acid benzyl ester: An electrochemical and theoretical study. Journal of Physical Organic Chemistry, 2020, 33, e4044.	0.9	3
1134	3-(Ethoxycarbonyl)-1-(5-methyl-5-(nitrosooxy)hexyl)pyridin-1-ium cation: A green alternative to tert-butyl nitrite for synthesis of nitro-group-containing arenes and drugs at room temperature. Tetrahedron Letters, 2020, 61, 151529.	0.7	10
1135	Classical density functional theory reveals coexisting short-range structural decay and long-range force decay in ionic liquids. Chemical Physics Letters, 2020, 739, 137001.	1.2	13
1136	New extraction media in microextraction techniques. A review of reviews. Microchemical Journal, 2020, 153, 104386.	2.3	57
1137	Temperature dependence of the heterogeneous electron-transfer rate constant for ferrocene carboxylic acid in room temperature ionic liquids at microstructurally distinct carbon electrodes. Journal of Electroanalytical Chemistry, 2020, 875, 114744.	1.9	4
1138	Relatively high-Seebeck thermoelectric cells containing ionic liquids supplemented by cobalt redox couple. Journal of Molecular Liquids, 2020, 316, 113871.	2.3	12
1139	Post-synthetic modification of ionic liquids using ligand-exchange and redox coordination chemistry. Journal of Materials Chemistry A, 2020, 8, 22674-22685.	5.2	5
1140	Nanocage formation and structural anomalies in imidazolium ionic liquid glasses governed by alkyl chains of cations. Nanoscale, 2020, 12, 19982-19991.	2.8	21
1141	Freezing the Motion in Hydroxy-Functionalized Ionic Liquidsâ€“Temperature Dependent NMR Deuteron Quadrupole Coupling Constants for Two Types of Hydrogen Bonds Far below the Glass Transition. Journal of Physical Chemistry Letters, 2020, 11, 6000-6006.	2.1	10
1142	A universal cohesive energy estimation equation based on <sc>COSMO</sc>. AIChE Journal, 2020, 66, e16990.	1.8	3
1143	Role of Chain Polarity on Ion and Polymer Dynamics: Molecular Volume-Based Analysis of the Dielectric Constant for Polymerized Norbornene-Based Ionic Liquids. Macromolecules, 2020, 53, 10561-10573.	2.2	18
1144	Charging-driven coarsening and melting of a colloidal nanoparticle monolayer at an ionic liquidâ€“vacuum interface. Soft Matter, 2020, 16, 9578-9589.	1.2	1
1145	A comparative study between ionic liquid coating and counterparts in bulk for toluene absorption. Green Chemical Engineering, 2020, 1, 147-154.	3.3	14
1146	The structure and hydrogen-bond properties of <i>N</i> -alkyl- <i>N</i> -methyl-pyrrolidinium bis(trifluoromethylsulfonyl)imide and DMSO mixtures. Physical Chemistry Chemical Physics, 2020, 22, 28021-28031.	1.3	11

#	ARTICLE	IF	CITATIONS
1147	New Interpretation of X-ray Photoelectron Spectroscopy of Imidazolium Ionic Liquid Electrolytes Based on Ionic Transport Analyses. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7625-7635.	1.2	2
1148	Estimation of CO <sub>2</sub> solubility in ionic liquids using connectionist tools based on thermodynamic and structural characteristics. <i>Fuel</i> , 2020, 279, 117984.	3.4	20
1149	Electrode material-ionic liquid coupling for electrochemical energy storage. <i>Nature Reviews Materials</i> , 2020, 5, 787-808.	23.3	210
1150	Effect of alkyl-group flexibility on the melting point of imidazolium-based ionic liquids. <i>Journal of Chemical Physics</i> , 2020, 153, 044504.	1.2	20
1151	Microscopic properties of two 1-(2-hydroxyethyl)-3-methylimidazolium-based ionic liquids and methanol mixtures. <i>Journal of Molecular Liquids</i> , 2020, 313, 113578.	2.3	5
1152	Effect of metallacarborane salt H[COSANE] doping on the performance properties of polybenzimidazole membranes for high temperature PEMFCs. <i>Soft Matter</i> , 2020, 16, 7624-7635.	1.2	9
1153	A Comprehensive Study Based on the Application of Different Genre of Surface-Active Ionic Liquid and Alkali Combination Systems in Surfactant Flooding. <i>Energy &amp; Fuels</i> , 2020, 34, 9411-9425.	2.5	8
1154	Ionic liquid-based membranes for water softening. , 2020, , 239-286.		1
1155	Martini coarse-grained models of imidazolium-based ionic liquids: from nanostructural organization to liquid-liquid extraction. <i>Green Chemistry</i> , 2020, 22, 7376-7386.	4.6	45
1156	Electrochemical Compression Technologies for High-Pressure Hydrogen: Current Status, Challenges and Perspective. <i>Electrochemical Energy Reviews</i> , 2020, 3, 690-729.	13.1	56
1157	Entanglement and Relaxation of Poly(methyl methacrylate) Chains in Imidazolium-Based Ionic Liquids with Different Cationic Structures. <i>Macromolecules</i> , 2020, 53, 7865-7875.	2.2	13
1158	On the molecular mechanisms of $\alpha$ and $\beta$ relaxations in ionic liquids. <i>Journal of Chemical Physics</i> , 2020, 153, 104507.	1.2	7
1159	Recent Progress in the Development of Composite Membranes Based on Polybenzimidazole for High Temperature Proton Exchange Membrane (PEM) Fuel Cell Applications. <i>Polymers</i> , 2020, 12, 1861.	2.0	84
1160	Thermal degradation and kinetic studies of ionic liquid and mixed solvent pre-treated Indian coals. <i>International Journal of Oil, Gas and Coal Technology</i> , 2020, 23, 218.	0.1	0
1161	Use of Ionic Liquids in Protein and DNA Chemistry. <i>Frontiers in Chemistry</i> , 2020, 8, 598662.	1.8	57
1162	Probing Liquid Interfaces with Room-Temperature Ionic Liquids Using the Excited-State Dynamics of a Cationic Dye. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10546-10555.	1.2	1
1163	Ionic Diffusion and Dissociation in Room-Temperature Ionic Liquids. <i>Key Engineering Materials</i> , 2020, 861, 264-269.	0.4	0
1164	Ether functionalisation, ion conformation and the optimisation of macroscopic properties in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23038-23056.	1.3	34



#	ARTICLE	IF	CITATIONS
1165	Recent advances of greener pretreatment technologies of lignocellulose. <i>Current Research in Green and Sustainable Chemistry</i> , 2020, 3, 100035.	2.9	122
1166	Solvation of quantum dots in 1-alkyl-1-methylpyrrolidinium ionic liquids: toward stably luminescent composites. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 187-194.	2.8	5
1167	Template Removal from SBA-15 by Ionic Liquid for Amine Grafting: Applications to CO <sub>2</sub> Capture and Natural Gas Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8295-8304.	3.2	29
1168	Temperature dependence on the size control of palladium nanoparticles by chemical reduction in nonionic surfactant/ionic liquid hybrid systems. <i>Journal of Molecular Liquids</i> , 2020, 311, 113255.	2.3	7
1169	Ionic liquids: Promising compounds for sustainable chemical processes and applications. <i>Chemical Engineering Research and Design</i> , 2020, 160, 264-300.	2.7	123
1170	Effects of Nanoscale Roughness on the Lubricious Behavior of an Ionic Liquid. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000314.	1.9	14
1171	Counting cations involved in cationic clusters of hydroxy-functionalized ionic liquids by means of infrared and solid-state NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6861-6867.	1.3	17
1172	Recent Trends in Chiroptical Spectroscopy: Theory and Applications of Vibrational Circular Dichroism and Raman Optical Activity. <i>ChemPlusChem</i> , 2020, 85, 561-575.	1.3	73
1173	Anions as Dynamic Probes for Ionic Liquid Mixtures. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2879-2891.	1.2	19
1174	Accelerating the electrical response of solvent-dispersed imogolite nanotubes through structural organisation. <i>RSC Advances</i> , 2020, 10, 9579-9581.	1.7	2
1175	Identifying suitable ionic liquid electrolytes for Al dual-ion batteries: role of electrochemical window, conductivity and voltage. <i>Materials Advances</i> , 2020, 1, 1354-1363.	2.6	23
1176	Influence of the anion on diffusivity and mobility of ionic liquids composite polybenzimidazol membranes. <i>Electrochimica Acta</i> , 2020, 354, 136666.	2.6	20
1177	Stimuli-Responsive Colloidal Assembly Consisting of Imogolite, Inorganic Nanotube. <i>Journal of Fiber Science and Technology</i> , 2020, 76, 1-22.	0.2	2
1178	Binary Mixtures of Aprotic and Protic Ionic Liquids Demonstrate Synergistic Polarity Effect: An Unusual Observation. <i>Journal of Solution Chemistry</i> , 2020, 49, 210-221.	0.6	7
1179	Electronic-level insight into the weak interactions of ion pairs in acetate anion-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2020, 303, 112668.	2.3	10
1180	How Flexibility of the Nanoscale Solvophobic Confining Material Promotes Capillary Evaporation of Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4899-4906.	1.5	5
1181	Commercial Applications of Ionic Liquids. <i>Green Chemistry and Sustainable Technology</i> , 2020, , .	0.4	44
1182	Review of supported metal nanoparticles: synthesis methodologies, advantages and application as catalysts. <i>Journal of Materials Science</i> , 2020, 55, 6195-6241.	1.7	248

#	ARTICLE	IF	CITATIONS
1183	Controlling $\epsilon$ -like $\epsilon$ -like $\epsilon$ -charge attraction in hydroxy-functionalized ionic liquids by polarizability of the cations, interaction strength of the anions and varying alkyl chain length. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2763-2774.	1.3	29
1184	Liquid $\epsilon$ -Liquid Phase Behavior of Solutions of 1,3-Diethylimidazolium Bis((trifluoromethyl)sulfonyl)amide in <i>n</i> -Alkyl Alcohols. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 1345-1357.	1.0	6
1185	Origami of Solid-State Supercapacitive Microjunctions Operable at 3 V with High Specific Energy Density for Wearable Electronics. <i>ACS Applied Electronic Materials</i> , 2020, 2, 659-669.	2.0	13
1186	Electrical and electrochemical properties of imidazolium and phosphonium-based pNIPAAm ionogels. <i>Electrochimica Acta</i> , 2020, 345, 136167.	2.6	4
1187	How thermal stability of ionic liquids leads to more efficient TiO <sub>2</sub> -based nanophotocatalysts: Theoretical and experimental studies. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 396-407.	5.0	10
1188	Cherenkov counting. , 2020, , 393-530.		1
1189	Study on the interactions between [BMIM][SCN] and naphthalene/dibenzothiophene: A theory-experiment comparison. <i>Journal of Molecular Structure</i> , 2020, 1207, 127846.	1.8	5
1190	Complementary interpretation of $E_T(30)$ polarity parameters of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9954-9966.	1.3	21
1191	Task-specific Ionic Liquids as a Green Catalysts and Solvents for Organic Synthesis. <i>Current Green Chemistry</i> , 2020, 7, 105-119.	0.7	22
1192	Removal of toxic heavy metals, phenolic compounds and textile dyes from industrial waste water using phosphonium based ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 323, 114645.	2.3	47
1193	Rotational correlation times, diffusion coefficients and quadrupolar peaks of the protic ionic liquid ethylammonium nitrate by means of <sup>1</sup> H fast field cycling NMR relaxometry. <i>Journal of Molecular Liquids</i> , 2021, 322, 114983.	2.3	15
1194	Removal of hydrocarbons of 4-Nitrophenol by emulsion liquid membrane (ELM) using magnetic Fe <sub>2</sub> O <sub>3</sub> nanoparticles and ionic liquid. <i>Journal of Water Process Engineering</i> , 2021, 39, 101729.	2.6	21
1195	Recent understanding of solid-liquid friction in ionic liquids. <i>Green Chemical Engineering</i> , 2021, 2, 145-157.	3.3	25
1196	To evaluate an ionic liquid for anticorrosive impact on iron $\epsilon$ -carbon steel: synthesis, computational and experimental mechanism. <i>Chemical Papers</i> , 2021, 75, 789-803.	1.0	3
1197	Mean-Field Theory of the Electrical Double Layer in Ionic Liquids. , 2021, , 1-13.		4
1198	Temperature dependent quantum cutting in cubic BaGd <sub>5</sub> :Eu <sup>3+</sup> nanophosphors. <i>New Journal of Chemistry</i> , 2021, 45, 1463-1473.	1.4	5
1199	Targeted modifications in ionic liquids $\epsilon$ from understanding to design. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6993-7021.	1.3	71
1200	A review on machine learning algorithms for the ionic liquid chemical space. <i>Chemical Science</i> , 2021, 12, 6820-6843.	3.7	80

#	ARTICLE	IF	CITATIONS
1201	Correlated Ion Transport and the Gel Phase in Room Temperature Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2677-2689.	1.2	17
1202	Nanocellulose-Graphene Hybrids: Advanced Functional Materials as Multifunctional Sensing Platform. <i>Nano-Micro Letters</i> , 2021, 13, 94.	14.4	37
1203	Liquid-Liquid Phase Equilibria of Binary Solutions of {1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide}+1-Butanol or 2-Methyl-1-propanol}. <i>Journal of Solution Chemistry</i> , 2021, 50, 299-314.	0.6	2
1204	Imidazole-based ionic liquids as rheological modifiers of heavy crude oil: An experimental and theoretical study. <i>AIP Advances</i> , 2021, 11, .	0.6	4
1205	A novel strategy to reduce the viscosity of cellulose-ionic liquid solution assisted by transition metal ions. <i>Carbohydrate Polymers</i> , 2021, 256, 117535.	5.1	5
1206	Insight into the properties and structures of vapor-liquid interface for imidazolium-based ionic liquids by molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2021, 326, 115295.	2.3	11
1207	Ionic Liquid-Based Surfactants: Recent Advances in Their Syntheses, Solution Properties, and Applications. <i>Polymers</i> , 2021, 13, 1100.	2.0	61
1208	Structure and ion-ion interactions in trifluoroacetate-based ionic liquids: Quantum chemical and molecular dynamics simulation studies. <i>Journal of Molecular Liquids</i> , 2021, 328, 115449.	2.3	9
1209	Molecular-level insights into structure and dynamics in ionic liquids and polymer gel electrolytes. <i>Journal of Molecular Liquids</i> , 2021, 329, 115454.	2.3	13
1210	Energetic Arguments on the Microstructural Analysis in Ionic Liquids. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100114.	1.3	2
1211	Abnormal Enhanced Free Ions of Ionic Liquids Confined in Carbon Nanochannels. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6078-6084.	2.1	15
1212	First Report on the Complexation of Uranyl Ion with Two Diglycolamide Ligands in a Room Temperature Ionic Liquid: Optical Spectroscopy and Calorimetric Studies. <i>ChemistrySelect</i> , 2021, 6, 6037-6042.	0.7	1
1213	Stabilisation of the superoxide anion in bis(fluorosulfonyl)imide (FSI) ionic liquid by small chain length phosphonium cations: Voltammetric, DFT modelling and spectroscopic perspectives. <i>Electrochemistry Communications</i> , 2021, 127, 107029.	2.3	4
1214	Sorbents for the Capture of CO <sub>2</sub> and Other Acid Gases: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 9313-9346.	1.8	55
1215	Water in Protic Ionic Liquid Electrolytes: From Solvent Separated Ion Pairs to Water Clusters. <i>ChemSusChem</i> , 2021, 14, 3315-3324.	3.6	8
1216	Different cation-anion interaction mechanisms of diamino protic ionic liquids: A density functional theory study. <i>Chemical Physics Letters</i> , 2021, 774, 138615.	1.2	11
1217	Estimation of the polarity and prediction of the molar surface Gibbs energy for amino acid ionic liquids – [C4Dmim][Gly] and [C4Dmim][Ala]. <i>Journal of Chemical Thermodynamics</i> , 2021, 158, 106418.	1.0	8
1218	Combination of FTIR and DFT to study the structure and hydrogen-bond properties of alkylammonium-based ILs and DMSO mixtures. <i>Journal of Molecular Liquids</i> , 2021, 333, 115940.	2.3	7

#	ARTICLE	IF	CITATIONS
1219	Three in One: The Versatility of Hydrogen Bonding Interaction in Halide Salts with Hydroxy-Functionalized Pyridinium Cations. <i>ChemPhysChem</i> , 2021, 22, 1850-1856.	1.0	5
1220	Ionic Liquids [M <sup>3+</sup> ][A <sup>+</sup> ] <sub>3</sub> with Three-Valent Cations and Their Possible Use to Easily Separate Rare Earth Metals. <i>Chemistry - A European Journal</i> , 2021, 27, 13052-13058.	1.7	3
1221	Validation of Structural Grounds for Anomalous Molecular Mobility in Ionic Liquid Glasses. <i>Molecules</i> , 2021, 26, 5828.	1.7	8
1222	CD Stretching Modes are Sensitive to the Microenvironment in Ionic Liquids. <i>Chemistry - A European Journal</i> , 2021, , .	1.7	1
1223	Synthesis of Ultrathin Functional Boron Nitride Nanosheets and Their Application in Anticorrosion. <i>ACS Applied Nano Materials</i> , 2021, 4, 11088-11096.	2.4	14
1224	Applications of a preferential solvation index (PSI) for the comparison of binary mixtures with ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 343, 117644.	2.3	8
1225	Understanding the microscopic structural organization of neat ammonium based ionic liquids through resonance energy transfer (RET) studies. <i>Chemical Physics Impact</i> , 2021, 3, 100034.	1.7	2
1226	Understanding the fundamental interaction mechanism of hazardous gases and imidazolium based ionic liquids for efficient gas adsorption. <i>Chemical Engineering Science</i> , 2022, 247, 117031.	1.9	6
1227	15N NMR studies provide insights into physico-chemical properties of room-temperature ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12395-12407.	1.3	1
1228	Ionic liquid glasses: properties and applications. <i>Russian Chemical Reviews</i> , 2022, 91, .	2.5	4
1229	Dynamic motions and architectural changes in DNA supramolecular aggregates visualized via transmission electron microscopy without liquid cells. <i>Nanoscale</i> , 2021, 13, 15928-15936.	2.8	0
1230	A Triple Salting-Out Effect is Required for the Formation of Ionic-Liquid-Based Aqueous Multiphase Systems. <i>Angewandte Chemie</i> , 2017, 129, 15254-15258.	1.6	2
1231	Ionic Liquid/Metal Interfaces. <i>Springer Theses</i> , 2013, , 69-122.	0.0	3
1232	CompChem and NMR Probing Ionic Liquids. <i>Soft and Biological Matter</i> , 2014, , 97-126.	0.3	5
1233	Fluorescence Probing of the Physicochemical Characteristics of the Room Temperature Ionic Liquids. <i>Springer Series on Fluorescence</i> , 2011, , 65-89.	0.8	5
1234	Ion Pairing in Ionic Liquids. , 2021, , 1-14.		1
1235	Insight into the ionic interactions in neat ionic liquids by Diffusion Ordered Spectroscopy Nuclear Magnetic Resonance. <i>Journal of Molecular Liquids</i> , 2017, 240, 74-79.	2.3	18
1236	Ionic Liquid Aggregation Mechanism for Nanoparticle Synthesis. <i>Journal of Physical Chemistry B</i> , 2021, 125, 253-263.	1.2	10

#	ARTICLE	IF	CITATIONS
1237	Polycyclic Aromatic Hydrocarbons as Prospective Cathodes for Aluminum Organic Batteries. Journal of Physical Chemistry C, 2021, 125, 49-57.	1.5	20
1238	CHAPTER 6. Biocatalysis in Ionic Liquids. RSC Green Chemistry, 2015, , 136-177.	0.0	1
1239	Probing the solvation structure and dynamics in ionic liquids by time-resolved infrared spectroscopy of 4-(dimethylamino)benzonitrile. Physical Chemistry Chemical Physics, 2017, 19, 25151-25157.	1.3	5
1240	Cation influence on heterocyclic ammonium ionic liquids: a molecular dynamics study. Physical Chemistry Chemical Physics, 2019, 21, 4472-4486.	1.3	17
1241	Microscopic dynamics in room-temperature ionic liquids confined in materials for supercapacitor applications. Sustainable Energy and Fuels, 2020, 4, 1554-1576.	2.5	21
1242	Collective translational motions and cage relaxations in molecular ionic liquids. Journal of Chemical Physics, 2011, 135, 024502.	1.2	60
1243	13 The Role of Molecular Thermodynamics in Developing Industrial Processes and Novel Products That Meet the Needs for a Sustainable Future. Green Chemistry and Chemical Engineering, 2017, , 633-660.	0.0	2
1244	Radiation Chemistry and Photochemistry of Ionic Liquids. , 2010, , 265-287.		3
1245	Ionic Liquid-Like Pharmaceutical Ingredients and Applications of Ionic Liquids in Medicinal Chemistry: Development, Status and Prospects. Current Medicinal Chemistry, 2019, 26, 5947-5967.	1.2	14
1246	A Mini-Review: Achievements in the Thiolytic of Epoxides. Mini-Reviews in Organic Chemistry, 2020, 17, 352-362.	0.6	31
1247	Synthesis of 1,5-Functionalized 1,2,3-Triazoles Using Ionic Liquid/Iron(III) Chloride as an Efficient and Reusable Homogeneous Catalyst. Catalysts, 2018, 8, 364.	1.6	31
1248	Inorganic materials synthesis in ionic liquids. AIMS Materials Science, 2014, 1, 41-44.	0.7	8
1249	Desulphurization of Fuel Oils Using Ionic Liquids. Advances in Chemical and Materials Engineering Book Series, 2016, , 254-284.	0.2	4
1250	Use of an Ionic Liquid as a Co-solvent for Recyclable Pd/C-mediated N-Debenzylation. Bulletin of the Korean Chemical Society, 2010, 31, 735-738.	1.0	3
1251	Long- and Intermediate-Range Correlations in Polymer-Containing Ionic Liquids. , 2012, 2012, 1-10.		1
1252	Electrochemical Tailoring of Honeycomb-Structured ZnO Thin Films by Interfacial Surfactant Templating. ISRN Nanomaterials, 2012, 2012, 1-6.	0.7	2
1253	Applications of Ionic Liquids to Increase the Efficiency of Lipase Biocatalysis. , 0, , .		1
1254	Molecular dynamics simulations of aqueous solutions of ionic liquids. Collection of Czechoslovak Chemical Communications, 2010, 75, 333-348.	1.0	1

#	ARTICLE	IF	CITATIONS
1255	Alternative Solvents and Recycle of the Catalyst. Springer Briefs in Molecular Science, 2011, , 67-116.	0.1	0
1256	Ionic Liquids in Polar Diels-Alder Reactions Using Carbocycles and Heterocycles as Dienophiles. , 0, , .		1
1258	Antimicrobial Activity of 1,3 Dihydroxy-2-Methylimidazolium Bis (Trifluoromethylsulfonyl) Imide and Selected Antibiotics Against <i>Streptococcus</i> Species Isolated from Groundwater in the Northwest Province, South Africa. Journal of Food and Nutrition Research (Newark, Del ), 2014, 2, 627-632.	0.1	0
1259	Tailoring Transport Properties Aiming for Versatile Ionic Liquids and Poly(Ionic Liquids) for Electrochromic and Gas Capture Applications. RSC Smart Materials, 2017, , 342-380.	0.1	0
1260	Molecular Simulation of Ionic Liquids: Complex Dynamics and Structure. Springer Proceedings in Mathematics and Statistics, 2017, , 297-312.	0.1	0
1261	Density functional study of the mechanism of nitric oxide captured by [Emim][OTf] ionic liquids. , 2017, , .		0
1262	Modelagem computacional de Líquidos Iônicos. , 2018, , 158-184.		0
1263	Gas Chromatography Columns Using Ionic Liquids as Stationary Phase. Green Chemistry and Sustainable Technology, 2020, , 131-165.	0.4	5
1264	Elucidating structure-property relationships in imidazolium-based halide ionic liquids: crystal structures and thermal behavior. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 365-374.	0.4	2
1265	Flexible and Robust Bacterial Cellulose-Based Ionogels with High Thermoelectric Properties for Low-Grade Heat Harvesting. Advanced Functional Materials, 2022, 32, 2107105.	7.8	57
1266	Long-term stability of Cd(0001) single crystal   ionic liquid interface - The effect of I <sup>-</sup> addition. Journal of Electroanalytical Chemistry, 2021, 903, 115826.	1.9	2
1267	Peek Inside the Water Mixtures of Ionic Liquids at Molecular Level: Microscopic Properties Probed by EPR Spectroscopy. International Journal of Molecular Sciences, 2021, 22, 11900.	1.8	5
1268	Computational NMR Study of Ion Pairing of 1-Decyl-3-methyl-imidazolium Chloride in Molecular Solvents. Journal of Physical Chemistry B, 2020, 124, 10776-10786.	1.2	6
1269	Tunable ionic liquids as oil-soluble precursors of dispersed catalysts for suspended-bed hydrocracking of heavy residues. Fuel, 2022, 313, 122664.	3.4	23
1270	Exploring the Interactions of Ionic Liquids with Bio-Organic Amphiphiles Using Computational Approaches. ACS Omega, 2021, 6, 32460-32474.	1.6	4
1271	Structure and Capacitance of Electrical Double Layers in Tricationic Ionic Liquids with Organic Solvents. Journal of Physical Chemistry B, 2021, 125, 12753-12762.	1.2	8
1272	An electrostatic-variable coarse-grained model for predicting enthalpy of vaporization, surface tension, diffusivity, conductivity, and dielectric constant of aqueous ionic liquid. Journal of Molecular Liquids, 2022, 346, 118230.	2.3	6
1273	Applications of Ionic Liquid-based Materials in Membrane-based Gas Separation. Chemistry in the Environment, 2021, , 159-183.	0.2	0

#	ARTICLE	IF	CITATIONS
1274	Ethanolysis of selected catalysis by functionalized acidic ionic liquids: an unexpected effect of ILs structural functionalization on selectivity phenomena. <i>New Journal of Chemistry</i> , 0, , .	1.4	3
1275	Sequestration of Am <sup>3+</sup> and Eu <sup>3+</sup> into ionic liquid containing Aza-macrocycle based multiple-diglycolamide ligands: Extraction, complexation, luminescence and DFT studies. <i>Journal of Molecular Liquids</i> , 2022, 347, 118291.	2.3	7
1276	A Novel SBA Nano-Silica Immobilised Basic Ionic liquid Catalyst for One Pot Synthesis of 2-Amino-4H-chromene Derivatives at Room Temperature in Aqueous Media. <i>Topics in Catalysis</i> , 0, , 1.	1.3	0
1277	Spring-loaded mechanism for chemical fixation of carbon dioxide with epoxides. <i>Chem Catalysis</i> , 2022, 2, 519-530.	2.9	25
1278	Sonocatalytic recovery of ceria from graphite and inhibition of graphite erosion by ionic liquid based platinum nanocatalyst. <i>Ultrasonics Sonochemistry</i> , 2022, 82, 105863.	3.8	5
1279	Probing Small-Angle Molecular Motions with EPR Spectroscopy: Dynamical Transition and Molecular Packing in Disordered Solids. <i>Magnetochemistry</i> , 2022, 8, 19.	1.0	3
1280	Isolation of single crystals of a homoleptic UO <sub>2</sub> -diglycolamide complex from a room temperature ionic liquid: X-ray crystallography and complexation studies. <i>New Journal of Chemistry</i> , 2022, 46, 950-954.	1.4	5
1281	Quasi-solid conductive gels with high thermoelectric properties and high mechanical stretchability consisting of a low cost and green deep eutectic solvent. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4222-4229.	5.2	34
1282	Ionic liquids and lignin interaction: An overview. <i>Bioresource Technology Reports</i> , 2022, 17, 100958.	1.5	11
1283	Structural properties of supercooled deep eutectic solvents: choline chloride-thiourea compared to reline. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5974-5981.	1.3	4
1284	Salt-in-Ionic-Liquid Electrolytes: Ion Network Formation and Negative Effective Charges of Alkali Metal Cations. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13752-13766.	1.2	21
1285	Computational investigation of dynamical heterogeneity in ionic liquids based on the restricted primitive model. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 626-635.	1.0	2
1286	Hydrophobicity-Dependent Heterogeneous Nanoaggregates and Fluorescence Dynamics in Room-Temperature Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1551-1557.	1.2	2
1287	Synthesis of Chiral Ionic Liquids from Natural Monosaccharides. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	3
1288	High-Temperature Quantum Tunneling and Hydrogen Bonding Rearrangements Characterize the Solid-Solid Phase Transitions in a Phosphonium-Based Protic Ionic Liquid. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	1
1289	A density functional theory study on the water aggregation behaviour of fatty acid-based anionic surface active ionic liquids. <i>Structural Chemistry</i> , 2022, 33, 961-972.	1.0	2
1290	Recent Approaches in the Synthesis of 5-Arylidene-2,4-thiazolidinedione Derivatives Using Knoevenagel Condensation. <i>Mini-Reviews in Organic Chemistry</i> , 2023, 20, 5-34.	0.6	2
1291	Trends offered by ionic liquid-based surfactants: Applications in stabilization, separation processes, and within the petroleum industry. <i>Separation and Purification Reviews</i> , 2023, 52, 164-192.	2.8	11

#	ARTICLE	IF	CITATIONS
1292	Aprotic Ionic Liquids: A Framework for Predicting Vaporization Thermodynamics. <i>Molecules</i> , 2022, 27, 2321.	1.7	5
1293	Fluorination effects on the physicochemical properties of the nanostructured tunable ionic liquids: [5F-PhMeTAZ] <sup>+</sup> or [5H-PhMeTAZ] <sup>+</sup> which one is the better choice?. <i>Journal of Fluorine Chemistry</i> , 2022, 257-258, 109970.	0.9	3
1294	Interactions between a dsDNA Oligonucleotide and Imidazolium Chloride Ionic Liquids: Effect of Alkyl Chain Length, Part I. <i>Molecules</i> , 2022, 27, 116.	1.7	1
1295	Correlation between size of nano-aggregates and excitation wavelength dependent fluorescence emission in room temperature ionic liquids: A case study with emim[FAP]. <i>Chemical Physics Impact</i> , 2021, 3, 100054.	1.7	4
1296	Ionic Liquid-Supported Interpenetrating Polymer Network Flexible Solid Electrolytes for Lithium-Ion Batteries. <i>Energy &amp; Fuels</i> , 2022, 36, 4999-5008.	2.5	10
1301	Extraction of Metal Palladium(II) from Acidic Medium Based on Two-Phase Aqueous Ionic Liquid. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1302	Solubility and solvation features of native cyclodextrins in 1-ethyl-3-methylimidazolium acetate. <i>Carbohydrate Polymers</i> , 2022, 291, 119622.	5.1	1
1303	Electric-field-induced oscillations in ionic fluids: a unified formulation of modified Poisson–Nernst–Planck models and its relevance to correlation function analysis. <i>Soft Matter</i> , 2022, 18, 4280-4304.	1.2	7
1304	Ionic liquid-mediated synthesis of metal nanostructures: Potential application in cancer diagnosis and therapy. <i>Journal of Ionic Liquids</i> , 2022, 2, 100033.	1.0	14
1305	Computational approaches to structural properties investigation of triethylammonium- and triethanolammonium-based protic ionic liquids. <i>Journal of Molecular Liquids</i> , 2022, 360, 119481.	2.3	1
1306	Dye-Sensitized Solar Cells. <i>Springer Handbooks</i> , 2022, , 1137-1214.	0.3	1
1307	Study on the hydrophobicity of [Bmim] <sub>2</sub> [CuCl <sub>4</sub> ] by two-dimensional correlation spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 282, 121637.	2.0	0
1308	Phase behaviors of ionic liquids attributed to the dual ionic and organic nature. <i>Communications in Theoretical Physics</i> , 2022, 74, 097601.	1.1	2
1309	Dissecting Noncovalent Interactions in Carboxylate-Functionalized Ionic Liquids Exhibiting Double and Single Hydrogens Bonds Between Ions of Like Charge. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
1310	Recent development of ionic liquid-based electrolytes in lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 542, 231792.	4.0	93
1311	Active Pharmaceutical Ingredient-Ionic Liquids (API-ILs): Nanostructure of the Glassy State Studied by Electron Paramagnetic Resonance Spectroscopy. <i>Molecules</i> , 2022, 27, 5117.	1.7	5
1312	Gelation, clustering, and crowding in the electrical double layer of ionic liquids. <i>Journal of Chemical Physics</i> , 2022, 157, .	1.2	13
1313	Dicationic bis-imidazoliums as a platform for ionic liquids: Long tails and short spacers. <i>Journal of Ionic Liquids</i> , 2022, 2, 100045.	1.0	1



#	ARTICLE	IF	CITATIONS
1314	Ionic fluid as a novel cleaning agent for the control of irreversible fouling in reverse osmosis membrane processes. <i>Water Research</i> , 2022, 224, 119063.	5.3	14
1315	Design and applications of biocompatible choline amino acid ionic liquids. <i>Green Chemistry</i> , 2022, 24, 7281-7304.	4.6	16
1316	Density Functional Theory on the CO <sub>2</sub> Absorption Process with Ionic Liquids. <i>Computer Aided Chemical Engineering</i> , 2022, , 967-972.	0.3	0
1317	Nanotechnology Strategies to Advance Restorative Resin-Based Dental Materials. <i>Advances in Material Research and Technology</i> , 2022, , 411-444.	0.3	0
1318	Flexibility is the key to tuning the transport properties of fluorinated imide-based ionic liquids. <i>Chemical Science</i> , 2022, 13, 9176-9190.	3.7	14
1319	How to switch from a poor PEDOT:X oxygen evolution reaction (OER) to a good one. A study on dual redox reversible PEDOT:metallacarborane. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16182-16192.	5.2	2
1320	Nucleation, Coalescence, and Thin-Film Growth of Triflate-Based Ionic Liquids on ITO, Ag, and Au Surfaces. <i>Colloids and Interfaces</i> , 2022, 6, 46.	0.9	7
1321	Cracking Ion Pairs in the Electrical Double Layer of Ionic Liquids. <i>Electrochimica Acta</i> , 2022, 434, 141163.	2.6	6
1322	Removal of methylene blue from aqueous solution using a thiol-functionalized ionic liquid-based periodic mesoporous organosilica: kinetic and thermodynamic studies. <i>Textile Research Journal</i> , 0, , 004051752211230.	1.1	0
1323	Structure of ethylammonium hydrogen sulfate protic ionic liquid through DFT calculations and MD simulations: the role of hydrogen bonds. <i>Structural Chemistry</i> , 0, , .	1.0	1
1324	Thermal Conductivity of Ionic Liquids: Recent Challenges Facing Theory and Experiment. <i>Journal of Solution Chemistry</i> , 2022, 51, 1311-1333.	0.6	4
1325	Development of ICP-OES Based Analytical Method with Prior Preferential Removal of Emission Rich Matrix by Elevated Temperature Ionic Liquid Based Extractive Mass Transfer for Determination of Metallic Constituents in U-Mo Alloy: The Next Generation Nuclear Fuel. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0
1326	Temperature-dependent ultrafast solvation dynamics of choline chloride-based deep eutectic solvent (DES) and hydroxyl functionalized room temperature ionic liquids (RTILs): Exploring the difference in solvent response between DES and RTILs. <i>Journal of Molecular Liquids</i> , 2022, 367, 120545.	2.3	4
1327	Soret Effect of Ionic Liquid Gels for Thermoelectric Conversion. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 10830-10842.	2.1	9
1328	Assessing the impact of increase in the number of hydroxyl groups on the microscopic behaviors of ammonium-based room temperature ionic liquids: A combined fluorescence up-conversion, fluorescence correlation and NMR spectroscopic study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2023, 437, 114505.	2.0	2
1329	A MOF-based electronic nose for carbon dioxide sensing with enhanced affinity and selectivity by ionic-liquid embedment. <i>Journal of Materials Chemistry A</i> , 2022, 10, 25347-25355.	5.2	10
1330	Highlight on H-Bond Interaction-Associated Multiple Ion Layer Formation of an Imidazolium-Based Ionic Liquid on a Potential-Bias Surface: Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2022, 126, 20644-20657.	1.5	0
1331	Impact of Surface Roughness on Partition and Selectivity of Ionic Liquids Mixture in Porous Electrode. <i>Nanomaterials</i> , 2023, 13, 51.	1.9	1

#	ARTICLE	IF	CITATIONS
1332	The development of novel ionic liquid-based solid catalysts and the conversion of 5-hydroxymethylfurfural from lignocellulosic biomass. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	0
1333	On structure and properties of tripropylammonium-based protic ionic liquids with bis(trifluoromethylsulfonyl)imide and hydrogen sulfate anions. <i>Ionics</i> , 0, , .	1.2	2
1334	Environmentally Stable, Stretchable, Adhesive, and Conductive Organohydrogels with Multiple Dynamic Interactions as High-Performance Strain and Temperature Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 55075-55087.	4.0	10
1335	Quantum-Chemical Study of Acid-Base Interaction between Alkylamines and Different Brønsted Acids. <i>Russian Journal of Physical Chemistry A</i> , 2022, 96, 2704-2711.	0.1	2
1336	Palladium(II) extraction from acidic chloride media using an ionic liquid-based aqueous two-phase system (IL-ATPS) in the presence of dipotassium hydrogen phosphate salting-out agent and reductive stripping with hydrazine hydrate to recover palladium metal. <i>Hydrometallurgy</i> , 2023, 216, 106017.	1.8	7
1337	Chloro-Aluminate Species Distribution Correlation with Electrical Conductivity of 1-Ethyl-3-Methyl Imidazolium Chloride (EMIC)-Aluminum Chloride (AlCl <sub>3</sub> ) System. <i>Minerals, Metals and Materials Series</i> , 2023, , 1115-1120.	0.3	0
1338	Phenolic compounds extraction from propolis using imidazole-based ionic liquids: A theoretical and experimental study. <i>Journal of Physical Organic Chemistry</i> , 2023, 36, .	0.9	4
1339	The 3D structures of interfaces between solid electrodes and liquid electrolytes probed by atomic force measurements. , 2024, , 638-655.		0
1340	Role of Hydrogen Bond Defects for Cluster Formation and Distribution in Ionic Liquids by Means of Neutron Diffraction and Molecular Dynamics Simulations. <i>ChemPhysChem</i> , 2023, 24, .	1.0	1
1341	Synthesis of functional ionic liquid modified silica and its excellent performance in selective separation of artemisinin/artemisitene. <i>Chemical Engineering Science</i> , 2023, 272, 118612.	1.9	1
1342	Sensitive determination of benzo(a)pyrene in vegetable oils based on the electrochemiluminescence quenching of ruthenium (II) dipyrido[3,2-a:2',3'-c]phenazine complex. <i>Microchemical Journal</i> , 2023, 189, 108579.	2.3	1
1343	Quasi-SMILES as a basis for the development of QSPR models to predict the CO <sub>2</sub> capture capacity of deep eutectic solvents using correlation intensity index and consensus modelling. <i>Fuel</i> , 2023, 345, 128237.	3.4	8
1344	High performance polyvinylidene fluoride membrane functionalized with poly(ionic liquid) brushes for dual resistance to organic and biological fouling. <i>Separation and Purification Technology</i> , 2023, 312, 123415.	3.9	5
1345	Current status of CO <sub>2</sub> capture with ionic liquids: Development and progress. <i>Fuel</i> , 2023, 344, 128102.	3.4	23
1346	Ionic Liquid Efficiency on Wood Dissolution and Polysaccharide Identification. <i>Advances in Biological Chemistry</i> , 2022, 12, 254-273.	0.2	0
1347	Mean-Field Theory of the Electrical Double Layer in Ionic Liquids. , 2022, , 837-850.		2
1348	Ion Pairing in Ionic Liquids. , 2022, , 522-535.		0
1349	Wilkinson-type catalysts in ionic liquids for hydrogenation of small alkenes: understanding and improving catalyst stability. <i>Catalysis Science and Technology</i> , 2023, 13, 2053-2069.	2.1	1

#	ARTICLE	IF	CITATIONS
1350	Ionic Liquids: Advances and Applications in Phase Transfer Catalysis. <i>Catalysts</i> , 2023, 13, 474.	1.6	8
1351	Comparative study of the hydrogen bonding interactions between ester-functionalized/non-functionalized imidazolium-based ionic liquids and DMSO. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 8789-8798.	1.3	5
1352	Quantification and Distribution of Three Types of Hydrogen Bonds in Mixtures of an Ionic Liquid with the Hydrogen-Bond-Accepting Molecular Solvent DMSO Explored by Neutron Diffraction and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2684-2691.	2.1	0
1353	Improving CO <sub>2</sub> photoconversion with ionic liquid and Co single atoms. <i>Nature Communications</i> , 2023, 14, .	5.8	31
1354	A review of imidazolium ionic liquid-based phase change materials for low and medium temperatures thermal energy storage and their applications. , 2023, 1, 100010.		4
1358	Ionic liquids membranes for liquid separation: status and challenges. <i>Green Chemistry</i> , 2023, 25, 5813-5835.	4.6	7
1370	Chemical Enhanced Oil Recovery Using Ionic Liquid-Based Surfactants. , 0, , .		1
1372	Colloidal Interactions in Ionic Liquidsâ€™The Electrical Double Layer Inferred from Ion Layering and Aggregation. <i>ACS Symposium Series</i> , 0, , 123-148.	0.5	0
1373	Emerging dissolving strategy of cellulose nanomaterial for flexible electronics sensors in wearable devices: a review. <i>Cellulose</i> , 2024, 31, 27-60.	2.4	1
1390	Natural gas dehydration using ionic liquids. , 2024, , 111-142.		0