

# Keiko Nishikawa

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

211  
papers

5,791  
citations

43  
h-index

64  
g-index

215  
ext. papers

6,096  
ext. citations

3.3  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
211	Structure disorder observation of fluoropolymers composed of vinylidene fluoride and tetrafluoroethylene in supercritical CO <sub>2</sub> using time-resolved small- and wide-angle X-ray scattering. <i>Journal of Supercritical Fluids</i> , <b>2022</b> , 184, 105555	4.2	
210	Structure and Properties of Supercritical Water: Experimental and Theoretical Characterizations. <i>J</i> , <b>2021</b> , 4, 698-726	1.9	1
209	Structure of Solution Probed via Fluctuations: Direct Description of Inhomogeneity in Mixing. <i>Nihon Kessho Gakkaishi</i> , <b>2021</b> , 63, 197-207	0	
208	Formulation of Diffraction Intensity of Ionic Plastic Crystal and Its Application to Trimethylethylammonium Bis(fluorosulfonyl)amide. <i>Bulletin of the Chemical Society of Japan</i> , <b>2021</b> , 94, 2011-2018	5.1	0
207	The Solution Chemistry of Mixing States Probed via Fluctuations: a Direct Description of Inhomogeneity in Mixing. <i>Bulletin of the Chemical Society of Japan</i> , <b>2021</b> , 94, 2170-2186	5.1	1
206	Two different regimes in alcohol-induced coil-helix transition: effects of 2,2,2-trifluoroethanol on proteins being either independent of or enhanced by solvent structural fluctuations. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 5760-5772	3.6	3
205	Characterization of [P4444]CF <sub>3</sub> COO in water by the 1-propanol probing methodology. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 302, 112560	6	
204	Unique phase behavior of a room-temperature ionic liquid, trimethylpropylammonium bis(fluorosulfonyl)amide: surface melting and its crystallization. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 20634-20642	3.6	0
203	Crystal Polymorphism of 1-Butyl-3-methylimidazolium Hexafluorophosphate: Phase Diagram, Structure, and Dynamics. <i>Australian Journal of Chemistry</i> , <b>2019</b> , 72, 11	1.2	5
202	Fluctuations and Mixing State of an Aqueous Solution of the Ionic Liquid Tetrabutylphosphonium Trifluoroacetate around the Critical Point. <i>Australian Journal of Chemistry</i> , <b>2019</b> , 72, 93	1.2	3
201	Effects of ionic liquid constituent cations, tetraalkylammoniums, on water studied by means of the 1-propanol probing methodology. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 252, 58-61	6	2
200	Growth Behavior of Gold Nanorods Synthesized by the Seed-Mediated Method: Tracking of Reaction Progress by Time-Resolved X-ray Absorption Near-Edge Structure, Small-Angle X-ray Scattering, and Ultraviolet-Visible Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 7982-7991	3.8	9
199	Reduction in mesoscopic structural fluctuations of liquid water induced by the large amphiphilicity of ionic liquid cations. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 272, 425-429	6	1
198	Fluctuational parameters based on the Bhatia-Horn theory for supercritical solutions: Application to a supercritical aqueous solution of n-pentane. <i>Chemical Physics</i> , <b>2017</b> , 487, 30-36	2.3	6
197	Mixing scheme of an aqueous solution of tetrabutylphosphonium trifluoroacetate in the water-rich region. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 16888-16896	3.6	6
196	Spectra of excess molar absorptivity of aqueous solutions of ionic liquids: Universal chromophores for aqueous electrolytes?. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 238, 570-573	6	2
195	Effects of H and OH on HO as probed by the 1-propanol probing methodology: differential thermodynamic approach. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 27413-27420	3.6	1

194	Band shift and bandwidth broadening in Raman spectra of CO <sub>2</sub> induced by absorption into an imidazolium-based ionic liquid, 1-ethyl-3-methylimidazolium tetrafluoroborate, up to 15 MPa. <i>Chemical Physics Letters</i> , <b>2017</b> , 684, 346-350	2.5	3
193	Anion and cation effects on the size control of Au nanoparticles prepared by sputter deposition in imidazolium-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 2339-49	3.6	20
192	The effect of 2,2,2-trifluoroethanol on water studied by using third derivatives of Gibbs energy, G. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 224, 401-407	6	7
191	Understanding Thermal Phase Behaviors of PF <sub>6</sub> <sup>-</sup> -Paired Imidazolium-Based Ionic Liquids at the Molecular Level. <i>Nihon Kessho Gakkaishi</i> , <b>2016</b> , 58, 7-12	0	
190	Temperature-independent formation of Au nanoparticles in ionic liquids by arc plasma deposition. <i>Chemical Physics Letters</i> , <b>2016</b> , 658, 188-191	2.5	7
189	NMR Study on Ion Dynamics and Phase Behavior of a Piperidinium-Based Room-Temperature Ionic Liquid: 1-Butyl-1-methylpiperidinium Bis(fluorosulfonyl)amide. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 5710-9	3.4	12
188	Comprehensive Conformational and Rotational Analyses of the Butyl Group in Cyclic Cations: DFT Calculations for Imidazolium, Pyridinium, Pyrrolidinium, and Piperidinium. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 10336-10349	3.4	17
187	Structure and dynamics of room temperature ionic liquids with bromide anion: results from 81Br NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>2015</b> , 53, 369-78	2.1	7
186	Density fluctuations in aqueous solution of ionic liquid with lower critical solution temperature: Mixture of tetrabutylphosphonium trifluoroacetate and water. <i>Chemical Physics Letters</i> , <b>2015</b> , 628, 108-112	2.5	22
185	Excess Partial Molar Absorptivity of Aqueous Solutions of KCl, KBr, CsCl and CsBr: Are There Three Universal Chromophores in the Excess Molar Absorptivity of the $\nu_2 + \nu_3$ Band of H <sub>2</sub> O for Aqueous Salt Solutions?. <i>Journal of Solution Chemistry</i> , <b>2015</b> , 44, 1833-1843	1.8	3
184	Anion and cation dynamics of sulfonamide-based ionic liquids and the solid-liquid transitions. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 8750-7	3.6	7
183	Phase Behavior of a Piperidinium-Based Room-Temperature Ionic Liquid Exhibiting Scanning Rate Dependence. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 12552-60	3.4	21
182	Absorption- and Pressure-induced Structural Transition Exhibiting V-shaped Density Change in Imidazolium-based Ionic Liquid + CO <sub>2</sub> System. <i>Chemistry Letters</i> , <b>2015</b> , 44, 937-939	1.7	1
181	Asphaltene Aggregation Behavior in Bromobenzene Determined By Small-angle X-ray Scattering. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 5737-5743	4.1	15
180	Understanding of Unique Thermal Phase Behavior of Room Temperature Ionic Liquids: 1-Butyl-3-Methylimidazolium Hexafluorophosphate as a Great Example. <i>Springer Series in Materials Science</i> , <b>2015</b> , 379-401	0.9	1
179	Fast cation dynamics in the crystalline state of an imidazolium-based room temperature ionic liquid due to the presence of a tiny amount of H <sub>2</sub> O. <i>Solid State Ionics</i> , <b>2014</b> , 259, 41-45	3.3	7
178	The Phase Behaviour of 1-Alkyl-3-Methylimidazolium Ionic Liquids <b>2014</b> , 59-85		
177	Model-potential-free analysis of small angle scattering of proteins in solution: insights into solvent effects on protein-protein interaction. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 25492-7	3.6	10

176	K-Edge X-ray Absorption Fine Structure Analysis of Pt/Au CoreShell Electrocatalyst: Evidence for Short PtPt Distance. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 8481-8490	3.8	27
175	How much weaker are the effects of cations than those of anions? The effects of K <sup>+</sup> and Cs <sup>+</sup> on the molecular organization of liquid H <sub>2</sub> O. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 8744-9	3.4	20
174	A model-free method for extracting interaction potential between protein molecules using small-angle X-ray scattering. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 200, 42-46	6	8
173	Effect of Adding a Thiol Stabilizer on Synthesis of Au Nanoparticles by Sputter Deposition onto Poly(ethylene glycol). <i>Bulletin of the Chemical Society of Japan</i> , <b>2014</b> , 87, 773-779	5.1	9
172	Crystal Structure of 1,3-Dimethylimidazolium Bis(fluorosulfonyl)amide: Unexpectedly High Melting Point Arising from Polydentate Hydrogen Bonding. <i>Chemistry Letters</i> , <b>2014</b> , 43, 405-407	1.7	10
171	Characterization of BF <sub>4</sub> <sup>-</sup> in terms of its effect on water by the 1-propanol probing methodology. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 198, 211-214	6	9
170	Microscopic Structure of Naked Au Nanoparticles Synthesized in Typical Ionic Liquids by Sputter Deposition. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 27973-27980	3.8	8
169	4,5-Dihaloimidazolium-based ionic liquids: effects of halogen-bonding on crystal structures and ionic conductivity. <i>RSC Advances</i> , <b>2013</b> , 3, 19952	3.7	14
168	Determination of Missing Crystal Structures in the 1-Alkyl-3-methylimidazolium Hexafluorophosphate Series: Implications on StructureProperty Relationships. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 5383-5390	3.5	20
167	Effects of tetramethyl- and tetraethylammonium chloride on H <sub>2</sub> O: calorimetric and near-infrared spectroscopic study. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 877-83	3.4	18
166	Visible photoluminescence of gold nanoparticles prepared by sputter deposition technique in a room-temperature ionic liquid. <i>Chemical Physics Letters</i> , <b>2013</b> , 586, 100-103	2.5	13
165	Thermal phase behavior of 1-butyl-3-methylimidazolium hexafluorophosphate: Simultaneous measurements of the melting of two polymorphic crystals by Raman spectroscopy and calorimetry. <i>Chemical Physics Letters</i> , <b>2013</b> , 584, 79-82	2.5	16
164	Unique Thermal Behaviors of Ionic Liquids. <i>Journal of the Vacuum Society of Japan</i> , <b>2013</b> , 56, 47-53		
163	Fusion Growth of Gold Nanoparticles Induced by the Conformational Change of a Thermoresponsive Polymer Studied by Distance Distribution Functions. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13602-13608	3.8	9
162	X-ray radiographic technique for measuring density uniformity of silica aerogel. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 697, 52-58	1.2	3
161	A comparative study of the rotational dynamics of PF <sub>6</sub> <sup>-</sup> anions in the crystals and liquid states of 1-butyl-3-methylimidazolium hexafluorophosphate: results from <sup>31</sup> P NMR spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 326-32	3.4	33
160	Modulation of the intermolecular interaction of myoglobin by removal of the heme. <i>Journal of Synchrotron Radiation</i> , <b>2013</b> , 20, 919-22	2.4	6
159	Au Nanoparticles Prepared in Ionic Liquid by Sputter-Deposition Technique : What Determines the Particle Size?. <i>Hyomen Kagaku</i> , <b>2013</b> , 34, 185-191		

158	Specific Asphaltene Aggregation in Toluene at Around 50 mg/L. <i>Journal of the Japan Petroleum Institute</i> , <b>2013</b> , 56, 58-59	1	5
157	General Remarks on Ionic Liquids, Which Are Applicable under Vacuum. <i>Journal of the Vacuum Society of Japan</i> , <b>2013</b> , 56, 43-46		1
156	Linker-Length Dependence of Crystal Structures and Thermal Properties of Bis(imidazolium) Salts with Tetrafluoroborate Anion. <i>Bulletin of the Chemical Society of Japan</i> , <b>2012</b> , 85, 599-605	5.1	9
155	Effects of ethanol and dimethyl sulfoxide on the molecular organization of H <sub>2</sub> O as probed by 1-propanol. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7328-33	3.4	15
154	Optical and Radiographical Characterization of Silica Aerogel for Cherenkov Radiator. <i>IEEE Transactions on Nuclear Science</i> , <b>2012</b> , 59, 2506-2511	1.7	7
153	Spectrum of excess partial molar absorptivity. Part II: a near infrared spectroscopic study of aqueous Na-halides. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 4433-9	3.6	19
152	Ultralow dynamics at crystallization of a room-temperature ionic liquid, 1-butyl-3-methylimidazolium bromide. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 3991-7	3.4	27
151	Comparison between cycloalkyl- and n-alkyl-substituted imidazolium-based ionic liquids in physicochemical properties and reorientational dynamics. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 2059-64	3.4	25
150	NMR study of cation dynamics in three crystalline states of 1-butyl-3-methylimidazolium hexafluorophosphate exhibiting crystal polymorphism. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 3780-8	3.4	37
149	Cation and anion dynamics in supercooled and glassy states of the ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate: Results from <sup>13</sup> C, <sup>31</sup> P, and <sup>19</sup> F NMR spectroscopy. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	18
148	Dynamical scaling analysis using the Lillie Number for vitrification of deeply supercooled glycerol. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 1313-1318	3.9	
147	Small-angle X-ray scattering study on the fluctuations of supercritical aqueous solution of n-pentane along the critical isotherm of water. <i>Chemical Physics Letters</i> , <b>2012</b> , 543, 68-71	2.5	5
146	Linker-length dependence of the reorientational dynamics and viscosity of bis(imidazolium)-based ionic liquids incorporating bis(trifluoromethanesulfonyl)amide anions. <i>Chemical Physics Letters</i> , <b>2012</b> , 543, 72-75	2.5	12
145	Transglycosylated rutin-specific non-surface-active nanostructure affects absorption enhancement of flurbiprofen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2012</b> , 82, 120-6	5.7	25
144	Effects of cyclic-hydrocarbon substituents and linker length on physicochemical properties and reorientational dynamics of imidazolium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 2090-5	3.4	8
143	Small-Angle X-ray Scattering Measurements of Ionic Liquids Pressurized with Carbon Dioxide Using Titanium Sample Holder: 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl) Amide Mixtures up to 22 MPa. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 076703	1.4	5
142	Solution Chemistry Based on the Concept of Fluctuations. <i>Molecular Science</i> , <b>2012</b> , 6, A0054	0	4
141	Small-Angle X-ray Scattering Measurements of Ionic Liquids Pressurized with Carbon Dioxide Using Titanium Sample Holder: 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl) Amide Mixtures up to 22 MPa. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 076703	1.4	10

140	Is a methyl group always hydrophobic? Hydrophilicity of trimethylamine-N-oxide, tetramethyl urea and tetramethylammonium ion. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 2995-3002	3.4	39
139	Crystal polymorphism of a room-temperature ionic liquid, 1,3-dimethylimidazolium hexafluorophosphate: Calorimetric and structural studies of two crystal phases having melting points of ~50K difference. <i>Chemical Physics Letters</i> , <b>2011</b> , 517, 162-165	2.5	19
138	Effects of sputtering conditions on formation of gold nanoparticles in sputter deposition technique. <i>RSC Advances</i> , <b>2011</b> , 1, 1815	3.7	81
137	High-resolution calorimetry on thermal behavior of glycerol (l): Glass transition, crystallization and melting, and discovery of a solid-solid transition. <i>Chemical Physics Letters</i> , <b>2011</b> , 506, 217-220	2.5	15
136	Effects of methylation at position 2 of cation ring on rotational dynamics of imidazolium-based ionic liquids investigated by NMR spectroscopy: [C4mim]Br vs [C4C1mim]Br. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 2999-3005	2.8	42
135	Synthesis of Gold Nanoparticles in Liquid Polyethylene Glycol by Sputter Deposition and Temperature Effects on their Size and Shape. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3279-3285	3.8	74
134	Correlation between hydrocarbon flexibility and physicochemical properties for cyclohexyl-imidazolium based ionic liquids studied by <sup>1</sup> H and <sup>13</sup> C NMR. <i>Chemical Physics Letters</i> , <b>2011</b> , 507, 100-104	2.5	10
133	Can Temperature Control the Size of Au Nanoparticles Prepared in Ionic Liquids by the Sputter Deposition Technique?. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 11098-11102	3.8	76
132	Aspect-Ratio Dependence on Formation Process of Gold Nanorods Studied by Time-Resolved Distance Distribution Functions. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3804-3810	3.8	26
131	Effects of methylation at the 2 position of the cation ring on phase behaviors and conformational structures of imidazolium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 9201-8	3.4	79
130	Phase behaviors of room temperature ionic liquid linked with cation conformational changes: 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 407-11	3.4	94
129	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> , <b>2010</b> , 114, 6323-31	3.4	71
128	NMR study on relationships between reorientational dynamics and phase behaviour of room-temperature ionic liquids: 1-alkyl-3-methylimidazolium cations. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 2959-67	3.6	57
127	Zigzag Sheet Crystal Packing in a Halogen-bonding Imidazolium Salt: 1-Butyl-4,5-dibromo-3-methylimidazolium Iodide. <i>X-ray Structure Analysis Online</i> , <b>2010</b> , 26, 31-32	0.2	8
126	Halogen Bonding and Hydrogen Bonding in 4,5-Diiodo-3-methyl-1-propylimidazolium Hexafluorophosphate. <i>X-ray Structure Analysis Online</i> , <b>2010</b> , 26, 39-40	0.2	3
125	Syntheses and crystal structures of two ionic liquids with halogen-bonding groups: 4,5-dibromo- and 4,5-diiodo-1-butyl-3-methylimidazolium trifluoromethanesulfonates. <i>Solid State Sciences</i> , <b>2010</b> , 12, 783-788	3.4	23
124	Thermodynamic study on phase transitions of poly(benzyl methacrylate) in ionic liquid solvents. <i>Pure and Applied Chemistry</i> , <b>2009</b> , 81, 1829-1841	2.1	46
123	Characterization of the molecular reorientational dynamics of the neat ionic liquid 1-butyl-3-methylimidazolium bromide in the super cooled state using <sup>1</sup> H and <sup>13</sup> C NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>2009</b> , 47, 67-70	2.1	26

122	Multiple small-angle X-ray scattering analyses of the structure of gold nanorods with unique end caps. <i>Chemical Physics</i> , <b>2009</b> , 364, 14-18	2.3	15
121	Interpretation of correlation length by small-angle X-ray scattering experiments on fluids near critical point. <i>Chemical Physics Letters</i> , <b>2009</b> , 471, 249-252	2.5	6
120	Small-Angle X-ray Scattering Study of Au Nanoparticles Dispersed in the Ionic Liquids 1-Alkyl-3-methylimidazolium Tetrafluoroborate. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 3917-3922	3.8	78
119	Hydrophobicity/hydrophilicity of 1-butyl-2,3-dimethyl and 1-ethyl-3-methylimidazolium ions: toward characterization of room temperature ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 14754-60	3.4	36
118	Atom substitution effects of [XF6] <sup>-</sup> in ionic liquids. 2. Theoretical study. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9840-51	3.4	50
117	Spectrum of excess partial molar absorptivity. I. Near infrared spectroscopic study of aqueous acetonitrile and acetone. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 11928-35	3.4	48
116	Atom substitution effects of [XF6] <sup>-</sup> in ionic liquids. 1. Experimental study. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9831-9	3.4	58
115	Comparison of interionic/intermolecular vibrational dynamics between ionic liquids and concentrated electrolyte solutions. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 244519	3.9	56
114	Melting and Crystallization Behaviors of an Ionic Liquid, 1-Isopropyl-3-methylimidazolium Bromide, Studied by Using Nanowatt-Stabilized Differential Scanning Calorimetry. <i>Bulletin of the Chemical Society of Japan</i> , <b>2009</b> , 82, 806-812	5.1	20
113	Ultrafast Dynamics in Aprotic Molecular Liquids: A Femtosecond Raman-Induced Kerr Effect Spectroscopic Study. <i>Bulletin of the Chemical Society of Japan</i> , <b>2009</b> , 82, 1347-1366	5.1	63
112	Polymorphic Properties of Ionic Liquid of 1-Isopropyl-3-methylimidazolium Bromide. <i>Chemistry Letters</i> , <b>2009</b> , 38, 1136-1137	1.7	9
111	Halogen-bonded and Hydrogen-bonded Network Structures in Crystals of 1-Propyl- and 1-Butyl-4,5-dibromo-3-methylimidazolium Bromides. <i>Chemistry Letters</i> , <b>2009</b> , 38, 402-403	1.7	20
110	Relative hydrophobicity and hydrophilicity of some "ionic liquid" anions determined by the 1-propanol probing methodology: a differential thermodynamic approach. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 2655-60	3.4	36
109	Isomer populations in liquids for 1-isopropyl-3-methylimidazolium bromide and its iodide and their conformational changes accompanying the crystallizing and melting processes. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 7543-50	2.8	25
108	Conformational analysis of 1-butyl-3-methylimidazolium by CCSD(T) level ab initio calculations: effects of neighboring anions. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 7739-47	3.4	77
107	Chemical potentials in aqueous solutions of some ionic liquids with the 1-ethyl-3-methylimidazolium cation. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 13344-8	3.4	11
106	Sample Holder for Small-Angle X-ray Scattering Measurements and Density Fluctuation of Supercritical Xenon. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 334-336	1.4	7
105	Development of Apparatus for Simultaneous Measurements of Raman Spectroscopy and High-Sensitivity Calorimetry. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 1775-1779	1.4	30

104	NMR study for self-aggregation of 1-butyl-3-methylimidazolium bromide in aqueous solution. <i>Analytical Sciences</i> , <b>2008</b> , 24, 1369-71	1.7	1
103	Rhythmic melting and crystallizing of ionic liquid 1-butyl-3-methylimidazolium bromide. <i>Chemical Physics Letters</i> , <b>2008</b> , 458, 88-91	2.5	35
102	<sup>1</sup> H NMR study on reorientational dynamics of an ionic liquid, 1-butyl-3-methylimidazolium bromide, accompanied with phase transitions. <i>Chemical Physics Letters</i> , <b>2008</b> , 459, 89-93	2.5	37
101	Intermittent crystallization of an ionic liquid: 1-Isopropyl-3-methylimidazolium bromide. <i>Chemical Physics Letters</i> , <b>2008</b> , 463, 369-372	2.5	21
100	Relative hydrophobicity/hydrophilicity of fructose, glucose, sucrose, and trehalose as probed by 1-propanol: a differential approach in solution thermodynamics. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 13943-8	3.4	21
99	Melting and freezing behaviors of prototype ionic liquids, 1-butyl-3-methylimidazolium bromide and its chloride, studied by using a nano-Watt differential scanning calorimeter. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 4894-900	3.4	108
98	Investigation on structural fluctuation of supercritical cyclohexane by small-angle X-ray scattering. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 252, 114-118	2.5	5
97	Apparatus for the simultaneous measurement of the X-ray absorption factor developed for a small-angle X-ray scattering beamline. <i>Journal of Applied Crystallography</i> , <b>2007</b> , 40, 791-795	3.8	30
96	Crystal Structure of 2,3-Dimethyl-1-isopropylimidazolium Bromide. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , <b>2007</b> , 23, X107-X108		4
95	Novel Method of Measuring Heat Capacity of Supercritical Fluid Using Peltier Elements. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 269-273	1.4	2
94	Density dependences of long-range fluctuations and short-range correlation lengths of CHF <sub>3</sub> and CH <sub>2</sub> F <sub>2</sub> in supercritical states. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 124519	3.9	10
93	Air Oxidation of Carbon Spheres. II. Micropore Development. <i>Adsorption Science and Technology</i> , <b>2006</b> , 24, 55-64	3.6	16
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