Keiko Nishikawa

List of Publications by Year
in descending order

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212 papers	6,479 citations	57758 44 h-index	91884 69 g-index
215 all docs	215 docs citations	215 times ranked	4088 citing authors

#	Article	IF	Citations
1	Structure disorder observation of fluoropolymers composed of vinylidene fluoride and tetrafluoroethylene in supercritical CO2 using time-resolved small- and wide-angle X-ray scattering. Journal of Supercritical Fluids, 2022, 184, 105555.	3.2	0
2	Free ionic rotators on crystal lattice points â€“ Structures of ionic plastic crystals. Chemical Physics Letters, 2022, 803, 139771.	2.6	3
3	Structure of Solution Probed via Fluctuations: Direct Description of Inhomogeneity in Mixing. Nihon Kessho Gakkaishi, 2021, 63, 197-207.	0.0	0
4	Formulation of Diffraction Intensity of Ionic Plastic Crystal and Its Application to Trimethylethylammonium Bis(fluorosulfonyl)amide. Bulletin of the Chemical Society of Japan, 2021, 94, 2011-2018.	3.2	3
5	The Solution Chemistry of Mixing States Probed via Fluctuations: a Direct Description of Inhomogeneity in Mixing. Bulletin of the Chemical Society of Japan, 2021, 94, 2170-2186.	3.2	3
6	Two different regimes in alcohol-induced coilâ€“helix transition: effects of 2,2,2-trifluoroethanol on proteins being either independent of or enhanced by solvent structural fluctuations. Physical Chemistry Chemical Physics, 2021, 23, 5760-5772.	2.8	6
7	Structure and Properties of Supercritical Water: Experimental and Theoretical Characterizations. J, 2021, 4, 698-726.	0.9	5
8	Unique phase behavior of a room-temperature ionic liquid, trimethylpropylammonium bis(fluorosulfonyl)amide: surface melting and its crystallization. Physical Chemistry Chemical Physics, 2020, 22, 20634-20642.	2.8	2
9	Characterization of [P4444]CF3COO in water by the 1-propanol probing methodology. Journal of Molecular Liquids, 2020, 302, 112560.	4.9	0
10	Crystal Polymorphism of 1-Butyl-3-methylimidazolium Hexafluorophosphate: Phase Diagram, Structure, and Dynamics. Australian Journal of Chemistry, 2019, 72, 11.	0.9	5
11	Fluctuations and Mixing State of an Aqueous Solution of the Ionic Liquid Tetrabutylphosphonium Trifluoroacetate around the Critical Point. Australian Journal of Chemistry, 2019, 72, 93.	0.9	4
12	Effects of ionic liquid constituent cations, tetraalkylammoniums, on water studied by means of the â€œ1-propanol probing methodologyâ€• Journal of Molecular Liquids, 2018, 252, 58-61.	4.9	3
13	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 Ultravioletâ€“Visible Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 7982-7991.	3.1	11
14	Reduction in mesoscopic structural fluctuations of liquid water induced by the large amphiphilicity of ionic liquid cations. Journal of Molecular Liquids, 2018, 272, 425-429.	4.9	2
15	Fluctuational parameters based on the Bhatiaâ€“Thornton theory for supercritical solutions: Application to a supercritical aqueous solution of n -pentane. Chemical Physics, 2017, 487, 30-36.	1.9	8
16	Mixing scheme of an aqueous solution of tetrabutylphosphonium trifluoroacetate in the water-rich region. Physical Chemistry Chemical Physics, 2017, 19, 16888-16896.	2.8	10
17	Spectra of excess molar absorptivity of aqueous solutions of ionic liquids: Universal chromophores for aqueous electrolytes?. Journal of Molecular Liquids, 2017, 238, 570-573.	4.9	2
18	Effects of H+ and OHâ¯ on H2O as probed by the 1-propanol probing methodology: differential thermodynamic approach. Physical Chemistry Chemical Physics, 2017, 19, 27413-27420.	2.8	2

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19	Band shift and bandwidth broadening in Raman spectra of CO2 induced by absorption into an imidazolium-based ionic liquid, 1-ethyl-3-methylimidazolium tetrafluoroborate, up to 15 MPa. Chemical Physics Letters, 2017, 684, 346-350.	2.6	3
20	Comprehensive Conformational and Rotational Analyses of the Butyl Group in Cyclic Cations: DFT Calculations for Imidazolium, Pyridinium, Pyrrolidinium, and Piperidinium. Journal of Physical Chemistry B, 2016, 120, 10336-10349.	2.6	23
21	The effect of 2,2,2-trifluoroethanol on water studied by using third derivatives of Gibbs energy, G. Journal of Molecular Liquids, 2016, 224, 401-407.	4.9	9
22	Understanding Thermal Phase Behaviors of PF₆^{ï¼}-Paired Imidazolium-Based Ionic Liquids at the Molecular Level. Nihon Kessho Gakkaishi, 2016, 58, 7-12.	0.0	0
23	Temperature-independent formation of Au nanoparticles in ionic liquids by arc plasma deposition. Chemical Physics Letters, 2016, 658, 188-191.	2.6	7
24	NMR Study on Ion Dynamics and Phase Behavior of a Piperidinium-Based Room-Temperature Ionic Liquid: 1-Butyl-1-methylpiperidinium Bis(fluorosulfonyl)amide. Journal of Physical Chemistry B, 2016, 120, 5710-5719.	2.6	15
25	Anion and cation effects on the size control of Au nanoparticles prepared by sputter deposition in imidazolium-based ionic liquids. Physical Chemistry Chemical Physics, 2016, 18, 2339-2349.	2.8	23
26	Absorption- and Pressure-induced Structural Transition Exhibiting V-shaped Density Change in Imidazolium-based Ionic Liquid + CO2 System. Chemistry Letters, 2015, 44, 937-939.	1.3	1
27	Asphaltene Aggregation Behavior in Bromobenzene Determined By Small-angle X-ray Scattering. Energy & Fuels, 2015, 29, 5737-5743.	5.1	19
28	Understanding of Unique Thermal Phase Behavior of Room Temperature Ionic Liquids: 1-Butyl-3-Methylimdiazolium Hexafluorophosphate as a Great Example. Springer Series in Materials Science, 2015, , 379-401.	0.6	1
29	Structure and dynamics of room temperature ionic liquids with bromide anion: results from 81 Br NMR spectroscopy. Magnetic Resonance in Chemistry, 2015, 53, 369-378.	1.9	8
30	Density fluctuations in aqueous solution of ionic liquid with lower critical solution temperature: Mixture of tetrabutylphosphonium trifluoroacetate and water. Chemical Physics Letters, 2015, 628, 108-112.	2.6	26
31	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 Î½ 2Â+ÂÎ½ 3 Band of H2O for Aqueous Salt Solutions?. Journal of Solution Chemistry, 2015, 44, 1833-1843.	1.2	4
32	Anion and cation dynamics of sulfonylamide-based ionic liquids and the solidâ€“liquid transitions. Physical Chemistry Chemical Physics, 2015, 17, 8750-8757.	2.8	8
33	Phase Behavior of a Piperidinium-Based Room-Temperature Ionic Liquid Exhibiting Scanning Rate Dependence. Journal of Physical Chemistry B, 2015, 119, 12552-12560.	2.6	24
34	Characterization of BF4â^' in terms of its effect on water by the 1-propanol probing methodology. Journal of Molecular Liquids, 2014, 198, 211-214.	4.9	11
35	Microscopic Structure of Naked Au Nanoparticles Synthesized in Typical Ionic Liquids by Sputter Deposition. Journal of Physical Chemistry C, 2014, 118, 27973-27980.	3.1	9
36	Fast cation dynamics in the crystalline state of an imidazolium-based room temperature ionic liquid due to the presence of a tiny amount of H2O. Solid State Ionics, 2014, 259, 41-45.	2.7	7

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37	Model-potential-free analysis of small angle scattering of proteins in solution: insights into solvent effects on proteinâ€“protein interaction. Physical Chemistry Chemical Physics, 2014, 16, 25492-25497.	2.8	10
38	K-Edge X-ray Absorption Fine Structure Analysis of Pt/Au Coreâ€“Shell Electrocatalyst: Evidence for Short Ptâ€“Pt Distance. Journal of Physical Chemistry C, 2014, 118, 8481-8490.	3.1	29
39	How Much Weaker Are the Effects of Cations than Those of Anions? The Effects of K⁺ and Cs⁺ on the Molecular Organization of Liquid H₂O. Journal of Physical Chemistry B, 2014, 118, 8744-8749.	2.6	24
40	A model-free method for extracting interaction potential between protein molecules using small-angle X-ray scattering. Journal of Molecular Liquids, 2014, 200, 42-46.	4.9	8
41	Effect of Adding a Thiol Stabilizer on Synthesis of Au Nanoparticles by Sputter Deposition onto Poly(ethylene glycol). Bulletin of the Chemical Society of Japan, 2014, 87, 773-779.	3.2	10
42	Crystal Structure of 1,3-Dimethylimidazolium Bis(fluorosulfonyl)amide: Unexpectedly High Melting Point Arising from Polydentate Hydrogen Bonding. Chemistry Letters, 2014, 43, 405-407.	1.3	11
43	4,5-Dihaloimidazolium-based ionic liquids: effects of halogen-bonding on crystal structures and ionic conductivity. RSC Advances, 2013, 3, 19952.	3.6	16
44	Determination of Missing Crystal Structures in the 1-Alkyl-3-methylimidazolium Hexafluorophosphate Series: Implications on Structureâ€“Property Relationships. Crystal Growth and Design, 2013, 13, 5383-5390.	3.0	27
45	Effects of Tetramethyl- and Tetraethylammonium Chloride on H₂O: Calorimetric and Near-Infrared Spectroscopic Study. Journal of Physical Chemistry B, 2013, 117, 877-883.	2.6	20
46	Visible photoluminescence of gold nanoparticles prepared by sputter deposition technique in a room-temperature ionic liquid. Chemical Physics Letters, 2013, 586, 100-103.	2.6	13
47	Thermal phase behavior of 1-butyl-3-methylimidazolium hexafluorophosphate: Simultaneous measurements of the melting of two polymorphic crystals by Raman spectroscopy and calorimetry. Chemical Physics Letters, 2013, 584, 79-82.	2.6	16
48	Fusion Growth of Gold Nanoparticles Induced by the Conformational Change of a Thermoresponsive Polymer Studied by Distance Distribution Functions. Journal of Physical Chemistry C, 2013, 117, 13602-13608.	3.1	11
49	X-ray radiographic technique for measuring density uniformity of silica aerogel. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 697, 52-58.	1.6	7
50	A Comparative Study of the Rotational Dynamics of PF₆^{â€“} Anions in the Crystals and Liquid States of 1-Butyl-3-methylimidazolium Hexafluorophosphate: Results from ³¹P NMR Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 326-332.	2.6	36
51	Modulation of the intermolecular interaction of myoglobin by removal of the heme. Journal of Synchrotron Radiation, 2013, 20, 919-922.	2.4	6
52	Au Nanoparticles Prepared in Ionic Liquid by Sputter-Deposition Technique : What Determines the Particle Size?. Hyomen Kagaku, 2013, 34, 185-191.	0.0	0
53	Specific Asphaltene Aggregation in Toluene at Around 50 mg/L. Journal of the Japan Petroleum Institute, 2013, 56, 58-59.	0.6	7
54	Unique Thermal Behaviors of Ionic Liquids. Journal of the Vacuum Society of Japan, 2013, 56, 47-53.	0.3	0

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55	General Remarks on Ionic Liquids, Which Are Applicable under Vacuum. Journal of the Vacuum Society of Japan, 2013, 56, 43-46.	0.3	1
56	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. Japanese Journal of Applied Physics, 2012, 51, 076703.	1.5	7
57	Linker-Length Dependence of Crystal Structures and Thermal Properties of Bis(imidazolium) Salts with Tetrafluoroborate Anion. Bulletin of the Chemical Society of Japan, 2012, 85, 599-605.	3.2	11
58	Effects of Ethanol and Dimethyl Sulfoxide on the Molecular Organization of H₂O as Probed by 1-Propanol. Journal of Physical Chemistry B, 2012, 116, 7328-7333.	2.6	17
59	Optical and Radiographical Characterization of Silica Aerogel for Cherenkov Radiator. IEEE Transactions on Nuclear Science, 2012, 59, 2506-2511.	2.0	12
60	Development of large area silica aerogel used as RICH radiator for the Belle II experiment. , 2012, , .		1
61	Spectrum of excess partial molar absorptivity. Part II: a near infrared spectroscopic study of aqueous Na-halides. Physical Chemistry Chemical Physics, 2012, 14, 4433.	2.8	23
62	Ultraslow Dynamics at Crystallization of a Room-Temperature Ionic Liquid, 1-Butyl-3-methylimidazolium Bromide. Journal of Physical Chemistry B, 2012, 116, 3991-3997.	2.6	30
63	Comparison between Cycloalkyl- and n-Alkyl-Substituted Imidazolium-Based Ionic Liquids in Physicochemical Properties and Reorientational Dynamics. Journal of Physical Chemistry B, 2012, 116, 2059-2064.	2.6	26
64	NMR Study of Cation Dynamics in Three Crystalline States of 1-Butyl-3-methylimidazolium Hexafluorophosphate Exhibiting Crystal Polymorphism. Journal of Physical Chemistry B, 2012, 116, 3780-3788.	2.6	39
65	Anion dynamics in supercooled and glassy states of the ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate: Results from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>13</mml:mn></mml:msup></mml:math>C,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>31</mml:mn></mml:msup></mml:math>P, and<mml:math xmlns:mml="http://www.w3.org/1998	3.2	20
66	Dynamical scaling analysis using the Lillie Number for vitrification of deeply supercooled glycerol. Journal of Non-Crystalline Solids, 2012, 358, 1313-1318.	3.1	0
67	Small-angle X-ray scattering study on the fluctuations of supercritical aqueous solution of n-pentane along the critical isotherm of water. Chemical Physics Letters, 2012, 543, 68-71.	2.6	6
68	Linker-length dependence of the reorientational dynamics and viscosity of bis(imidazolium)-based ionic liquids incorporating bis(trifluoromethanesulfonyl)amide anions. Chemical Physics Letters, 2012, 543, 72-75.	2.6	13
69	Transglycosylated rutin-specific non-surface-active nanostructure affects absorption enhancement of flurbiprofen. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 120-126.	4.3	31
70	Effects of Cyclic-Hydrocarbon Substituents and Linker Length on Physicochemical Properties and Reorientational Dynamics of Imidazolium-Based Ionic Liquids. Journal of Physical Chemistry B, 2012, 116, 2090-2095.	2.6	9
71	Solution Chemistry Based on the Concept of Fluctuations. Molecular Science, 2012, 6, A0054.	0.2	5
72	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. Japanese Journal of Applied Physics, 2012, 51, 076703.	1.5	11

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73	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. Journal of Physical Chemistry A, 2011, 115, 2999-3005.	2.5	45
74	Synthesis of Gold Nanoparticles in Liquid Polyethylene Glycol by Sputter Deposition and Temperature Effects on their Size and Shape. Journal of Physical Chemistry C, 2011, 115, 3279-3285.	3.1	86
75	Is a Methyl Group Always Hydrophobic? Hydrophilicity of Trimethylamine-N-oxide, Tetramethyl Urea and Tetramethylammonium Ion. Journal of Physical Chemistry B, 2011, 115, 2995-3002.	2.6	44
76	Crystal polymorphism of a room-temperature ionic liquid, 1,3-dimethylimidazolium hexafluorophosphate: Calorimetric and structural studies of two crystal phases having melting points of â¼450 K difference. Chemical Physics Letters, 2011, 517, 162-165.	2.6	24
77	Effects of sputtering conditions on formation of gold nanoparticles in sputter deposition technique. RSC Advances, 2011, 1, 1815.	3.6	99
78	High-resolution calorimetry on thermal behavior of glycerol (I): Glass transition, crystallization and melting, and discovery of a solidâ€“solid transition. Chemical Physics Letters, 2011, 506, 217-220.	2.6	21
79	Correlation between hydrocarbon flexibility and physicochemical properties for cyclohexyl-imidazolium based ionic liquids studied by 1H and 13C NMR. Chemical Physics Letters, 2011, 507, 100-104.	2.6	12
80	Zigzag Sheet Crystal Packing in a Halogen-bonding Imidazolium Salt: 1-Butyl-4,5-dibromo-3-methylimidazolium Iodide. X-ray Structure Analysis Online, 2010, 26, 31-32.	0.2	10
81	Halogen Bonding and Hydrogen Bonding in 4,5-Diiodo-3-methyl-1-propylimidazolium Hexafluorophosphate. X-ray Structure Analysis Online, 2010, 26, 39-40.	0.2	4
82	Syntheses and crystal structures of two ionic liquids with halogen-bonding groups: 4,5-dibromo- and 4,5-diiodo-1-butyl-3-methylimidazolium trifluoromethanesulfonates. Solid State Sciences, 2010, 12, 783-788.	3.2	25
83	Can Temperature Control the Size of Au Nanoparticles Prepared in Ionic Liquids by the Sputter Deposition Technique?. Journal of Physical Chemistry C, 2010, 114, 11098-11102.	3.1	86
84	Aspect-Ratio Dependence on Formation Process of Gold Nanorods Studied by Time-Resolved Distance Distribution Functions. Journal of Physical Chemistry C, 2010, 114, 3804-3810.	3.1	27
85	Effects of Methylation at the 2 Position of the Cation Ring on Phase Behaviors and Conformational Structures of Imidazolium-Based Ionic Liquids. Journal of Physical Chemistry B, 2010, 114, 9201-9208.	2.6	92
86	Phase Behaviors of Room Temperature Ionic Liquid Linked with Cation Conformational Changes: 1-Butyl-3-methylimidazolium Hexafluorophosphate. Journal of Physical Chemistry B, 2010, 114, 407-411.	2.6	102
87	Microscopic Study of Ionic Liquidâ"H₂O Systems: Alkyl-Group Dependence of 1-Alkyl-3-Methylimidazolium Cation. Journal of Physical Chemistry B, 2010, 114, 6323-6331.	2.6	78
88	NMR study on relationships between reorientational dynamics and phase behaviour of room-temperature ionic liquids: 1-alkyl-3-methylimidazolium cations. Physical Chemistry Chemical Physics, 2010, 12, 2959.	2.8	58
89	Thermodynamic study on phase transitions of poly(benzyl methacrylate) in ionic liquid solvents. Pure and Applied Chemistry, 2009, 81, 1829-1841.	1.9	56
90	Characterization of the molecular reorientational dynamics of the neat ionic liquid 1â€butylâ€3â€methylimidazolium bromide in the super cooled state using ¹H and ¹³C NMR spectroscopy. Magnetic Resonance in Chemistry, 2009, 47, 67-70.	1.9	26

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91	Multiple small-angle X-ray scattering analyses of the structure of gold nanorods with unique end caps. Chemical Physics, 2009, 364, 14-18.	1.9	15
92	Interpretation of correlation length by small-angle X-ray scattering experiments on fluids near critical point. Chemical Physics Letters, 2009, 471, 249-252.	2.6	7
93	Small-Angle X-ray Scattering Study of Au Nanoparticles Dispersed in the Ionic Liquids 1-Alkyl-3-methylimidazolium Tetrafluoroborate. Journal of Physical Chemistry C, 2009, 113, 3917-3922.	3.1	87
94	Hydrophobicity/Hydrophilicity of 1-Butyl-2,3-dimethyl and 1-Ethyl-3-methylimodazolium Ions: Toward Characterization of Room Temperature Ionic Liquids. Journal of Physical Chemistry B, 2009, 113, 14754-14760.	2.6	39
95	Atom Substitution Effects of [XF₆]^{â˜} in Ionic Liquids. 2. Theoretical Study. Journal of Physical Chemistry B, 2009, 113, 9840-9851.	2.6	56
96	Spectrum of Excess Partial Molar Absorptivity. I. Near Infrared Spectroscopic Study of Aqueous Acetonitrile and Acetone. Journal of Physical Chemistry B, 2009, 113, 11928-11935.	2.6	53
97	Atom Substitution Effects of [XF₆]^{â˜} in Ionic Liquids. 1. Experimental Study. Journal of Physical Chemistry B, 2009, 113, 9831-9839.	2.6	63
98	Comparison of interionic/intermolecular vibrational dynamics between ionic liquids and concentrated electrolyte solutions. Journal of Chemical Physics, 2009, 131, 244519.	3.0	62
99	Melting and Crystallization Behaviors of an Ionic Liquid, 1-Isopropyl-3-methylimidazolium Bromide, Studied by Using Nanowatt-Stabilized Differential Scanning Calorimetry. Bulletin of the Chemical Society of Japan, 2009, 82, 806-812.	3.2	22
100	Ultrafast Dynamics in Aprotic Molecular Liquids: A Femtosecond Raman-Induced Kerr Effect Spectroscopic Study. Bulletin of the Chemical Society of Japan, 2009, 82, 1347-1366.	3.2	71
101	Polymorphic Properties of Ionic Liquid of 1-Isopropyl-3-methylimidazolium Bromide. Chemistry Letters, 2009, 38, 1136-1137.	1.3	10
102	Halogen-bonded and Hydrogen-bonded Network Structures in Crystals of 1-Propyl- and 1-Butyl-4,5-dibromo-3-methylimidazolium Bromides. Chemistry Letters, 2009, 38, 402-403.	1.3	22
103	Rhythmic melting and crystallizing of ionic liquid 1-butyl-3-methylimidazolium bromide. Chemical Physics Letters, 2008, 458, 88-91.	2.6	36
104	1H NMR study on reorientational dynamics of an ionic liquid, 1-butyl-3-methylimidazolium bromide, accompanied with phase transitions. Chemical Physics Letters, 2008, 459, 89-93.	2.6	39
105	Intermittent crystallization of an ionic liquid: 1-Isopropyl-3-methylimidazolium bromide. Chemical Physics Letters, 2008, 463, 369-372.	2.6	21
106	Relative Hydrophobicity and Hydrophilicity of Some â€œIonic Liquidâ€•Anions Determined by the 1-Propanol Probing Methodology:â€‰ A Differential Thermodynamic Approach. Journal of Physical Chemistry B, 2008, 112, 2655-2660.	2.6	40
107	Isomer Populations in Liquids for 1-Isopropyl-3-methylimidazolium Bromide and Its Iodide and Their Conformational Changes Accompanying the Crystallizing and Melting Processes. Journal of Physical Chemistry A, 2008, 112, 7543-7550.	2.5	27
108	Conformational Analysis of 1-Butyl-3-methylimidazolium by CCSD(T) Level Ab Initio Calculations: Effects of Neighboring Anions. Journal of Physical Chemistry B, 2008, 112, 7739-7747.	2.6	84

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109	Chemical Potentials in Aqueous Solutions of Some Ionic Liquids with the 1-Ethyl-3-methylimidazolium Cation. Journal of Physical Chemistry B, 2008, 112, 13344-13348.	2.6	14
110	Sample Holder for Small-Angle X-ray Scattering Measurements and Density Fluctuation of Supercritical Xenon. Japanese Journal of Applied Physics, 2008, 47, 334-336.	1.5	8
111	Development of Apparatus for Simultaneous Measurements of Raman Spectroscopy and High-Sensitivity Calorimetry. Japanese Journal of Applied Physics, 2008, 47, 1775.	1.5	31
112	NMR Study for Self-aggregation of 1-Butyl-3-methylimidazolium Bromide in Aqueous Solution. Analytical Sciences, 2008, 24, 1369-1371.	1.6	1
113	Crystal Structure of 2,3-Dimethyl-1-isopropylimidazolium Bromide. Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X107-X108.	0.1	4
114	Relative Hydrophobicity/Hydrophilicity of Fructose, Glucose, Sucrose, and Trehalose as Probed by 1-Propanol:Â A Differential Approach in Solution Thermodynamics. Journal of Physical Chemistry B, 2007, 111, 13943-13948.	2.6	27
115	Melting and Freezing Behaviors of Prototype Ionic Liquids, 1-Butyl-3-methylimidazolium Bromide and Its Chloride, Studied by Using a Nano-Watt Differential Scanning Calorimeterâ€. Journal of Physical Chemistry B, 2007, 111, 4894-4900.	2.6	112
116	Investigation on structural fluctuation of supercritical cyclohexane by small-angle X-ray scattering. Fluid Phase Equilibria, 2007, 252, 114-118.	2.5	6
117	Apparatus for the simultaneous measurement of the X-ray absorption factor developed for a small-angle X-ray scattering beamline. Journal of Applied Crystallography, 2007, 40, 791-795.	4.5	33
118	Density dependences of long-range fluctuations and short-range correlation lengths of CHF3 and CH2F2 in supercritical states. Journal of Chemical Physics, 2006, 124, 124519.	3.0	11
119	Air Oxidation of Carbon Spheres. II. Micropore Development. Adsorption Science and Technology, 2006, 24, 55-64.	3.2	18
120	Toward Understanding the Hofmeister Series. 3. Effects of Sodium Halides on the Molecular Organization of H2O As Probed by 1-Propanol. Journal of Physical Chemistry A, 2006, 110, 2072-2078.	2.5	54
121	The Effects of Chloride Salts of Some Cations on the Molecular Organization of H2O. Towards Understanding the Hofmeister Series. II. Bulletin of the Chemical Society of Japan, 2006, 79, 1347-1354.	3.2	25
122	Crystal Structure of 1-Butyl-3-methylimidazolium Iodide. Chemistry Letters, 2006, 35, 1400-1401.	1.3	50
123	Anomalous dynamic behavior of ions and water molecules in dilute aqueous solution of 1-butyl-3-methylimidazolium bromide studied by NMR. Chemical Physics Letters, 2006, 427, 87-90.	2.6	23
124	Novel Method of Measuring Heat Capacity of Supercritical Fluid Using Peltier Elements. Japanese Journal of Applied Physics, 2006, 45, 269-273.	1.5	3
125	Analysis to obtain precise density fluctuation of supercritical fluids by small-angle X-ray scattering. Chemical Physics, 2005, 310, 123-128.	1.9	19
126	Volume-variable sample holder for small-angle x-ray scattering measurements of supercritical solutions and its application to the CHF3â€“CO2 mixture. Review of Scientific Instruments, 2005, 76, 033902.	1.3	4

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127	Effect of an â€œIonic Liquidâ€•Cation, 1-Butyl-3-methylimidazolium, on the Molecular Organization of H2O. Journal of Physical Chemistry B, 2005, 109, 9014-9019.	2.6	133
128	Br K-Edge X-ray Absorption Near Edge Structure Analyses of Bromine Residue Carbon Compounds Using Full Multiple-Scattering Theory. Japanese Journal of Applied Physics, 2005, 44, 4073-4079.	1.5	7
129	Time Evolution of Density Fluctuation in Supercritical Region. I. Non-hydrogen-bonded Fluids Studied by Dynamic Light Scattering. Journal of Physical Chemistry A, 2005, 109, 83-91.	2.5	23
130	Time Evolution of Density Fluctuation in the Supercritical Region. 2. Comparison of Hydrogen- and Non-hydrogen-Bonded Fluids. Journal of Physical Chemistry A, 2005, 109, 7365-7370.	2.5	18
131	Novel Detection Method of Liquidâ€“Liquid Phase Separation. Japanese Journal of Applied Physics, 2004, 43, 8217-8218.	1.5	5
132	How Are Hydrogen Bonds Perturbed in Aqueous NaClO4Solutions Depending on the Concentration?: A Near Infrared Study of Water. Journal of Solution Chemistry, 2004, 33, 689-698.	1.2	23
133	Density fluctuation of supercritical fluids obtained from small-angle X-ray scattering experiment and thermodynamic calculation. Journal of Supercritical Fluids, 2004, 30, 249-257.	3.2	38
134	Fluctuations in density and concentration of methanolâ€“water mixtures at 7 MPa and 373, 423 K studied by small-angle X-ray scattering. Chemical Physics Letters, 2004, 389, 29-33.	2.6	21
135	Structure of an ionic liquid, 1-n-butyl-3-methylimidazolium iodide, studied by wide-angle X-ray scattering and Raman spectroscopy. Chemical Physics Letters, 2004, 392, 460-464.	2.6	190
136	Dynamics of Density Fluctuation of Supercritical Fluid Mapped on Phase Diagram. Journal of the American Chemical Society, 2004, 126, 422-423.	13.7	40
137	Effects of Na2SO4 and NaClO4 on the Molecular Organization of H2O. Journal of Physical Chemistry A, 2004, 108, 1635-1637.	2.5	18
138	Attractive and Repulsive Intermolecular Interactions of a Polar Molecule:Â Short-Range Structure of Neat Supercritical CHF3Investigated by Raman Spectroscopy. Journal of Physical Chemistry A, 2004, 108, 5770-5784.	2.5	31
139	Toward Understanding the Hofmeister Series. 1. Effects of Sodium Salts of Some Anions on the Molecular Organization of H2O. Journal of Physical Chemistry A, 2004, 108, 8533-8541.	2.5	36
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