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	Mixing Schemes in Ionic Liquidâ˜H2O Systems:Â A Thermodynamic Study. Journal of Physical Chemistry B, 2004, 108, 19451-19457.	2.6	191
2	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
3	Temperature dependence of the concentration fluctuation, the Kirkwood-Buff parameters, and the correlation length of tert-butyl alcohol and water mixtures studied by small-angle x-ray scattering. The Journal of Physical Chemistry, 1989, 93, 6559-6565.	2.9	145
4	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
5	Small-angle x-ray scattering study of fluctuations in 1-propanol-water and 2-propanol-water systems. The Journal of Physical Chemistry, 1990, 94, 8334-8338.	2.9	119
6	Small-Angle X-ray Scattering Study of Supercritical Carbon Dioxide. The Journal of Physical Chemistry, 1996, 100, 418-421.	2.9	118
7	Corrections for Intensity Data in Energy-dispersive X-Ray Diffractometry of Liquids. Application to Carbon Tetrachloride. Bulletin of the Chemical Society of Japan, 1984, 57, 1750-1759.	3.2	117
8	Correlation lengths and density fluctuations in supercritical states of carbon dioxide. Chemical Physics Letters, 1995, 244, 149-152.	2.6	115
9	Fluctuations in the particle number and concentration and the Kirkwood-Buff parameters of tert-butyl alcohol and water mixtures studied by small-angle x-ray scattering. The Journal of Physical Chemistry, 1987, 91, 3694-3699.	2.9	112
10	Inhomogeneity of molecular distribution in supercritical fluids. Chemical Physics Letters, 2000, 316, 238-242.	2.6	112
11	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
12	Small-angle x-ray scattering study of fluctuations in ethanol and water mixtures. The Journal of Physical Chemistry, 1993, 97, 10824-10828.	2.9	107
13	Study of inhomogeneity of supercritical water by small-angle x-ray scattering. Journal of Chemical Physics, 2000, 112, 4203-4211.	3.0	106
14	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
15	Effects of sputtering conditions on formation of gold nanoparticles in sputter deposition technique. RSC Advances, 2011, 1, 1815.	3.6	99
16	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
17	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
18	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

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19	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
20	Density fluctuation of a van der Waals fluid in supercritical state. Journal of Chemical Physics, 2003, 118, 1341-1346.	3.0	84
21	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
22	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
23	Mesocellular Foam Carbons:â€‰ Aggregates of Hollow Carbon Spheres with Open and Closed Wall Structures. Chemistry of Materials, 2004, 16, 3860-3866.	6.7	75
24	â€œIcebergsâ€•or No â€œIcebergsâ€•in Aqueous Alcohols?:â€‰ Composition-Dependent Mixing Schemes. Journal of Physical Chemistry A, 2004, 108, 3873-3877.	2.5	71
25	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
26	Surface fractal dimension of microporous carbon fibres by nitrogen adsorption. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 179.	1.7	70
27	Small-angle X-ray scattering study of the pore structure of carbon fibers prepared from a polymer blend of phenolic resin and polystyrene. Carbon, 2001, 39, 287-290.	10.3	70
28	Inhomogeneity of Mixing in Acetonitrile Aqueous Solution Studied by Small-Angle X-ray Scattering. Journal of Physical Chemistry B, 2002, 106, 693-700.	2.6	69
29	Raman spectral changes of neat CO2 across the ridge of density fluctuation in supercritical region. Chemical Physics Letters, 2000, 320, 323-327.	2.6	67
30	Small-Angle X-ray-Scattering Study of Supercritical Trifluoromethane. Journal of Physical Chemistry B, 1997, 101, 1413-1418.	2.6	64
31	Atom Substitution Effects of [XF₆]^{â^'} in Ionic Liquids. 1. Experimental Study. Journal of Physical Chemistry B, 2009, 113, 9831-9839.	2.6	63
32	Comparison of interionic/intermolecular vibrational dynamics between ionic liquids and concentrated electrolyte solutions. Journal of Chemical Physics, 2009, 131, 244519.	3.0	62
33	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
34	The Construction of an Energy-dispersive X-Ray Diffractometer for Liquids and Its Application to CCl4. Bulletin of the Chemical Society of Japan, 1978, 51, 411-418.	3.2	56
35	Thermodynamic study on phase transitions of poly(benzyl methacrylate) in ionic liquid solvents. Pure and Applied Chemistry, 2009, 81, 1829-1841.	1.9	56
36	Atom Substitution Effects of [XF₆]^{â^'} in Ionic Liquids. 2. Theoretical Study. Journal of Physical Chemistry B, 2009, 113, 9840-9851.	2.6	56

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37	Simple relationship between the Kirkwood-Buff parameters and the fluctuations in the particle number and concentration obtained by small-angle X-ray scattering. Chemical Physics Letters, 1986, 132, 50-54.	2.6	55
38	Fluid behavior at supercritical states studied by small-angle X-ray scattering. Journal of Supercritical Fluids, 1998, 13, 143-148.	3.2	55
39	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
40	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
41	Liquid Structure of Carbon Tetrachloride and Long-range Correlation. Bulletin of the Chemical Society of Japan, 1979, 52, 293-298.	3.2	51
42	Crystal Structure of 1-Butyl-3-methylimidazolium Iodide. Chemistry Letters, 2006, 35, 1400-1401.	1.3	50
43	Structural study of tert-butyl alcohol and water mixtures by x-ray diffraction. The Journal of Physical Chemistry, 1990, 94, 6227-6231.	2.9	49
44	Chemical potential and concentration fluctuation in some aqueous alkane-mono-ols at 25oC. Canadian Journal of Chemistry, 2003, 81, 141-149.	1.1	46
45	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
46	Mixing Schemes for Aqueous Dimethyl Sulfoxide: Support by X-ray Diffraction Data. Journal of Solution Chemistry, 2001, 30, 885-893.	1.2	44
47	Density-Fluctuation-Induced Swelling of Polymer Thin Films in Carbon Dioxide. Physical Review Letters, 2002, 89, 125506.	7.8	44
48	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
49	Local density enhancement in neat supercritical fluid due to attractive intermolecular interactions. Chemical Physics Letters, 2003, 368, 209-214.	2.6	43
50	Terahertz absorption spectra of supercritical CHF3 to investigate local structure through rotational and hindered rotational motions. Chemical Physics Letters, 2001, 341, 86-92.	2.6	42
51	Structure Study of Supercritical CO2near Higher-Order Phase Transition Line by X-ray Diffraction. Journal of Physical Chemistry B, 1997, 101, 7158-7162.	2.6	40
52	Dynamics of Density Fluctuation of Supercritical Fluid Mapped on Phase Diagram. Journal of the American Chemical Society, 2004, 126, 422-423.	13.7	40
53	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
54	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

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55	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
56	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
57	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
58	X-ray scattering study of carbon dioxide at supercritical states. Chemical Physics Letters, 1994, 226, 359-363.	2.6	37
59	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
60	Rhythmic melting and crystallizing of ionic liquid 1-butyl-3-methylimidazolium bromide. Chemical Physics Letters, 2008, 458, 88-91.	2.6	36
61	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
62	The intermolecular arrangement in the plastic crystal (phase Ia) of carbon tetrachloride studied by xâ€ray diffraction. Journal of Chemical Physics, 1981, 74, 5817-5824.	3.0	34
63	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
64	The Structure of Polyvanadotungstates. II. The Crystal Structure of K7V5W8O4Â·12H2O. Bulletin of the Chemical Society of Japan, 1975, 48, 3152-3155.	3.2	32
65	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
66	Development of Apparatus for Simultaneous Measurements of Raman Spectroscopy and High-Sensitivity Calorimetry. Japanese Journal of Applied Physics, 2008, 47, 1775.	1.5	31
67	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
68	X-Ray Diffraction Study of Liquid Water. Bulletin of the Chemical Society of Japan, 1980, 53, 2804-2808.	3.2	30
69	Investigation of structural fluctuation of supercritical benzene by small-angle x-ray scattering. Journal of Chemical Physics, 2003, 119, 1502-1509.	3.0	30
70	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
71	Simulation of small-angle X-ray scattering behaviour of activated carbon fibres adsorbing water. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2763.	1.7	29
72	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

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73	Binding and correlation effects in nitrogen and oxygen, and the correlation effects in neon, as studied by gasâ€phase xâ€ray diffraction. Journal of Chemical Physics, 1987, 87, 3753-3757.	3.0	28
74	Correlation time of density fluctuation for supercritical ethylene studied by dynamic light scattering. Journal of Chemical Physics, 2002, 116, 4985.	3.0	28
75	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
76	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
77	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
78	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
79	The temperature dependence of the liquid structure of carbon tetrachloride. Chemical Physics Letters, 1979, 64, 154-157.	2.6	26
80	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
81	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
82	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
83	Structure Model for Liquid Carbon Tetrachloride. Bulletin of the Chemical Society of Japan, 1985, 58, 1215-1219.	3.2	25
84	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
85	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
86	Structure of Polyvanadotungstates. I. The Crystal Structure of Î±-(CN3H6)4V2W4O19. Bulletin of the Chemical Society of Japan, 1975, 48, 889-892.	3.2	24
87	Structure Change of Glass-like Carbon with Heat Treatment, Studied by Small Angle X-Ray Scattering: I. Glass-like Carbon Prepared from Phenolic Resin. Japanese Journal of Applied Physics, 1998, 37, 6486-6491.	1.5	24
88	Static inhomogeneity of supercritical ethylene studied by small-angle X-ray scattering. Chemical Physics, 2003, 286, 421-430.	1.9	24
89	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
90	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

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91	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
92	use of reciprocal-space expansion in the analysis of X-ray scattering intensities from liquids. Chemical Physics Letters, 1985, 115, 522-524.	2.6	23
93	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
94	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
95	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
96	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
97	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
98	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
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	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
101	A thermodynamic study of aqueous acetonitrile: excess chemical potentials, partial molar enthalpies, entropies and volumes, and fluctuations. Canadian Journal of Chemistry, 2000, 78, 1553-1560.	1.1	21
102	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
103	Intermittent crystallization of an ionic liquid: 1-Isopropyl-3-methylimidazolium bromide. Chemical Physics Letters, 2008, 463, 369-372.	2.6	21
104	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
105	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/199	3.2	20
106	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
107	Excess partial molar entropy of alkane-mono-ols in aqueous solutions at 25Â°C. Canadian Journal of Chemistry, 2003, 81, 150-155.	1.1	19
108	Analysis to obtain precise density fluctuation of supercritical fluids by small-angle X-ray scattering. Chemical Physics, 2005, 310, 123-128.	1.9	19

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109	Asphaltene Aggregation Behavior in Bromobenzene Determined By Small-angle X-ray Scattering. Energy & Fuels, 2015, 29, 5737-5743.	5.1	19
110	Mean Square Deviations of Interatomic Distances in Liquid Carbon Tetrachloride. Bulletin of the Chemical Society of Japan, 1985, 58, 1220-1224.	3.2	18
111	Evaluation and Countermeasures of Convective Heat Transfer on Thermal Conductivity Measurement Using the Peltier Effect and Application to Supercritical CO2. Japanese Journal of Applied Physics, 1999, 38, 6840-6845.	1.5	18
112	Supercritical-fluid cell with device of variable optical path length giving fringe-free terahertz spectra. Review of Scientific Instruments, 2000, 71, 4061.	1.3	18
113	Effects of Na2SO4 and NaClO4 on the Molecular Organization of H2O. Journal of Physical Chemistry A, 2004, 108, 1635-1637.	2.5	18
114	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
115	Air Oxidation of Carbon Spheres. II. Micropore Development. Adsorption Science and Technology, 2006, 24, 55-64.	3.2	18
116	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
117	Reciprocal Space Expansion in the Analysis of X-Ray Scattering Intensities from Liquid Carbon Tetrachloride. Bulletin of the Chemical Society of Japan, 1986, 59, 117-120.	3.2	16
118	Investigation of the pore structure in glass-like carbon prepared from furan resin. Carbon, 2001, 39, 2017-2021.	10.3	16
119	4,5-Dihaloimidazolium-based ionic liquids: effects of halogen-bonding on crystal structures and ionic conductivity. RSC Advances, 2013, 3, 19952.	3.6	16
120	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
121	Structure model of liquid water as investigated by the method of reciprocal space expansion. Journal of Chemical Physics, 1994, 101, 5017-5023.	3.0	15
122	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
123	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
124	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
125	Direct Observation of Phase Transformation Process by Energy-Dispersive X-Ray Diffractometry. Japanese Journal of Applied Physics, 1980, 19, L365-L368.	1.5	13
126	Influence of fine particles on carbon deposition in the coke oven chamber. Fuel, 1998, 77, 1141-1146.	6.4	13

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127	Effect of hot isostatic pressing on nanopore in glass-like carbon prepared from phenolâ€“formaldehyde resin. Carbon, 2001, 39, 1863-1867.	10.3	13
128	Titanium sample holder for small-angle x-ray scattering measurements of supercritical aqueous solutions. Review of Scientific Instruments, 2001, 72, 3013-3018.	1.3	13
129	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
130	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
131	Anomalous X-ray scattering from aqueous 2-butoxyethanol at XBE = 0.06 near freezing. Chemical Physics Letters, 1994, 228, 53-56.	2.6	12
132	Construction of the Sample Holder and Small-Angle X-ray Scattering Measurement for Supercritical Water. Japanese Journal of Applied Physics, 1998, 37, L768-L770.	1.5	12
133	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
134	Optical and Radiographical Characterization of Silica Aerogel for Cherenkov Radiator. IEEE Transactions on Nuclear Science, 2012, 59, 2506-2511.	2.0	12
135	Accuracy of Intensity Measurement by Use of an Area Detector with a Photostimulable Phosphor Screen, as Confirmed by Measuring Scattering Intensity from a Liquid. Japanese Journal of Applied Physics, 1991, 30, 1303-1306.	1.5	11
136	Construction of Sample Holder for X-ray Diffraction Experiments on Supercritical Fluids. Japanese Journal of Applied Physics, 1993, 32, 5155-5158.	1.5	11
137	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
138	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
139	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
140	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
141	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
142	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
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. Japanese Journal of Applied Physics, 2012, 51, 076703.	1.5	11
144	Polymorphic Properties of Ionic Liquid of 1-Isopropyl-3-methylimidazolium Bromide. Chemistry Letters, 2009, 38, 1136-1137.	1.3	10

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145	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
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