

# High-Pressure Densities and Derived Thermodynamic Liquids

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Citation Report

#	ARTICLE	IF	CITATIONS
7	Measurements of Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2007, 52, 1881-1888.	1.9	277
8	Temperature and Pressure Dependence of the Viscosity of the Ionic Liquids 1-Hexyl-3-methylimidazolium Hexafluorophosphate and 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide. Journal of Chemical & Engineering Data, 2007, 52, 1080-1085.	1.9	312
9	Temperature and Pressure Dependence of the Viscosity of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate: Viscosity and Density Relationships in Ionic Liquids. Journal of Chemical & Engineering Data, 2007, 52, 2425-2430.	1.9	216
10	Capturing the Solubility Behavior of CO <sub>2</sub> in Ionic Liquids by a Simple Model. Journal of Physical Chemistry C, 2007, 111, 16028-16034.	3.1	126
11	High-Pressure Volumetric Properties of Imidazolium-Based Ionic Liquids: Effect of the Anion. Journal of Chemical & Engineering Data, 2007, 52, 2204-2211.	1.9	221
12	tPC-PSAFT Modeling of Gas Solubility in Imidazolium-Based Ionic Liquids. Journal of Physical Chemistry C, 2007, 111, 15487-15492.	3.1	93
13	An overview of the mutual solubilities of water-imidazolium-based ionic liquids systems. Fluid Phase Equilibria, 2007, 261, 449-454.	2.5	302
14	Phase equilibrium calculations for multi-component polar fluid mixtures with tPC-PSAFT. Fluid Phase Equilibria, 2007, 261, 265-271.	2.5	40
15	(p, $\rho$ , T) Properties of 1-butyl-3-methylimidazolium tetrafluoroborate and 1-butyl-3-methylimidazolium hexafluorophosphate at T=(298.15 to 398.15) K and pressures up to p=40 MPa. Journal of Molecular Liquids, 2007, 136, 177-182.	4.9	65
16	Surface tensions of imidazolium based ionic liquids: Anion, cation, temperature and water effect. Journal of Colloid and Interface Science, 2007, 314, 621-630.	9.4	406
17	Mutual Solubilities of Water and Hydrophobic Ionic Liquids. Journal of Physical Chemistry B, 2007, 111, 13082-13089.	2.6	374
18	Density and Refractive Index for Binary Systems of the Ionic Liquid [Bmim][BF <sub>4</sub> ] with Methanol, 1,3-Dichloropropane, and Dimethyl Carbonate. Journal of Solution Chemistry, 2007, 36, 1219-1230.	1.2	91
19	Applying a QSPR correlation to the prediction of surface tensions of ionic liquids. Fluid Phase Equilibria, 2008, 265, 57-65.	2.5	148
20	Experimental densities and derived thermodynamic properties of liquid propan-1-ol at temperatures from 298 to 423K and at pressures up to 40MPa. Fluid Phase Equilibria, 2008, 268, 21-33.	2.5	45
21	Estimates of Internal Pressure and Molar Refraction of Imidazolium Based Ionic Liquids as a Function of Temperature. Journal of Solution Chemistry, 2008, 37, 203-214.	1.2	123
22	High-Pressure Densities and Derived Volumetric Properties (Excess, Apparent and Partial Molar) Tj ETQq1 1 0.784314 rgBT /Overlock 801-833.	1.2	47
23	Volumetric Properties of the Ionic Liquid, 1-Butyl-3-methylimidazolium Tetrafluoroborate, in Organic Solvents at T = 298.15K. International Journal of Thermophysics, 2008, 29, 534-545.	2.1	36
24	Densities and Excess, Apparent, and Partial Molar Volumes of Binary Mixtures of BMIMBF <sub>4</sub> +Ethanol as a Function of Temperature, Pressure, and Concentration. International Journal of Thermophysics, 2008, 29, 505-533.	2.1	70

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26	Densities, excess volumes, isobaric expansivity, and isothermal compressibility of the (1-ethyl-3-methylimidazolium ethylsulfate + methanol) system at temperatures (283.15 to 333.15) K and pressures from (0.1 to 35) MPa. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 580-591.	2.0	90
27	High-pressure densities and derived volumetric properties (excess, apparent, and partial molar) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1386-1401.	2.0	56
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29	Extension of the Ye and Shreeve group contribution method for density estimation of ionic liquids in a wide range of temperatures and pressures. <i>Fluid Phase Equilibria</i> , 2008, 263, 26-32.	2.5	268
30	Pressure-volume-temperature (PVT) measurements of ionic liquids ([bmim+][PF6 <sup>-</sup> ], [bmim+][BF4 <sup>-</sup> ]), Tj ETQq1 1 0.784314 rgBT. <i>Fluid Phase Equilibria</i> , 2008, 264, 147-155.	2.5	131
31	A group contribution method for viscosity estimation of ionic liquids. <i>Fluid Phase Equilibria</i> , 2008, 266, 195-201.	2.5	242
32	Estimation of speed of sound of ionic liquids using surface tensions and densities: A volume based approach. <i>Fluid Phase Equilibria</i> , 2008, 267, 188-192.	2.5	71
33	Evaluation of COSMO-RS for the prediction of LLE and VLE of water and ionic liquids binary systems. <i>Fluid Phase Equilibria</i> , 2008, 268, 74-84.	2.5	144
34	Mutual Solubilities of Water and the [C <sub>n</sub> mim][Tf <sub>2</sub> N] Hydrophobic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1604-1610.	2.6	325
35	Prediction of Ionic Liquid Properties. II. Volumetric Properties as a Function of Temperature and Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 2133-2143.	1.9	139
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37	Solubility of Alcohols and Aromatic Compounds in Imidazolium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 2535-2539.	1.9	50
38	Measurements and Correlation of High-Pressure Densities of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1914-1921.	1.9	130
39	A Group Contribution Method for Heat Capacity Estimation of Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 5751-5757.	3.7	152
40	Thermodynamic Studies of Ionic Interactions in Aqueous Solutions of Imidazolium-Based Ionic Liquids [Emim][Br] and [Bmim][Cl]. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3380-3389.	2.6	127
41	Solubility of Water in Tetradecyltriethylphosphonium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 2378-2382.	1.9	114
42	Densities, Refractive Indices, and Viscosities of the Ionic Liquids 1-Methyl-3-octylimidazolium Tetrafluoroborate and 1-Methyl-3-butylimidazolium Perchlorate and Their Binary Mixtures with Ethanol at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 677-682.	1.9	93

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45	Thermodynamical and structural properties of imidazolium based ionic liquids from molecular simulation. <i>Journal of Chemical Physics</i> , 2008, 128, 154509.	3.0	60
46	Densities and Viscosities of 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate + H <sub>2</sub> O Binary Mixtures at $T = (303.15 \text{ to } 343.15) \text{ K}$ . <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 2408-2411.	1.9	90
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