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## Volume Expansivities and Isothermal Compressibilities of Imidazolium and Pyridinium-Based Ionic Liquids

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411	Fixed-Path Length Laser-Induced Sound Pinging: A Streamlined Method for Sound Speed Determination in Arbitrary Liquids.		
410	Room temperature haloaluminate ionic liquids. Novel solvents for transition metal solution chemistry. <b>1988</b> , 60, 1763-1772		276
409	Influence of chloride, water, and organic solvents on the physical properties of ionic liquids. <b>2000</b> , 72, 2275-2287		1942
408	Ionic liquid (molten salt) phase organometallic catalysis. <b>2002</b> , 102, 3667-92		3388
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263	Voltammetry in room temperature ionic liquids: comparisons and contrasts with conventional electrochemical solvents. <b>2010</b> , 5, 202-30		259
262	Densities and isothermal compressibilities of ionic liquidsModeling and application. <b>2010</b> , 295, 215-229		35
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259	Synthesis and temperature dependence of physical properties of four pyridinium-based ionic liquids: Influence of the size of the cation. <b>2010</b> , 42, 1324-1329		50
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243	Thermophysical Properties of 1-Propyronitrile-3-alkylimidazolium Bromide Ionic Liquids at Temperatures from (293.15 to 353.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 3886-3890	2.8	52
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237	Synthesis, Characterization, Physical Properties, and Cytotoxicities of 1-(6-Hydroxyhexyl)-3-alkylimidazolium Chloride Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4188-4193	2.8	21
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235	Determination of Infinite Dilution Partial Molar Excess Enthalpies and Volumes for Some Ionic Liquid Precursors in Water and Methanol Using Tandem Flow Mixing Calorimetry and Vibrating-Tube Densimetry. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 3047-3052	2.8	26
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225	Physicochemical Properties of [C <sub>6</sub> mim][PF <sub>6</sub> ] and [C <sub>6</sub> mim][(C <sub>2</sub> F <sub>5</sub> ) <sub>3</sub> PF <sub>3</sub> ] Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 3068-3072	2.8	60
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214	Densities of a deep eutectic solvent based on choline chloride and glycerol and its aqueous mixtures at elevated pressures. <b>2012</b> , 335, 32-38		94
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211	Effect of Alkyl Chain Length in Anions on Thermodynamic and Surface Properties of 1-Butyl-3-methylimidazolium Carboxylate Ionic Liquids. <b>2012</b> , 51, 3458-3465		72
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183	Effect of the temperature on the physical properties of pure 1-propyl 3-methylimidazolium bis(trifluoromethylsulfonyl)imide and characterization of its binary mixtures with alcohols. <b>2012</b> , 45, 9-15		57
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177	Density and isothermal compressibility of ionic liquids from perturbed hard-dimer-chain equation of state. <b>2013</b> , 356, 185-192		14
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174	Experimental Study of the Density and Viscosity of (n)-Heptane at Temperatures from 298 K to 470 K and Pressure upto 245 MPa. <b>2013</b> , 34, 1-33		45
173	Homogenous mixing of ionic liquids: molecular dynamics simulations. <b>2013</b> , 15, 21077-83		35
172	Densities and thermal conductivities of N-alkylpyridinium tetrafluoroborates at high pressure. <b>2013</b> , 340, 31-36		35
171	Exploring physicochemical aspects of N-alkylimidazolium based ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2013</b> , 181, 142-151	6	26
170	Developing models for correlating ionic liquids density: Part 2 [Density at high pressures. <b>2013</b> , 358, 172-188		4
169	Internal pressure of liquids and solutions. <b>2013</b> , 113, 6536-51		72
168	Transport and thermal properties of quaternary phosphonium ionic liquids and IoNanofluids. <b>2013</b> , 64, 80-92		81
167	Density and surface tension of pure ionic liquid 1-butyl-3-methyl-imidazolium l-lactate and its binary mixture with alcohol and water. <b>2013</b> , 64, 1-13		48
166	Physical Characterization of an Aromatic Extraction Solvent Formed by [bpy][BF4] and [4bmpy][Tf2N] Mixed Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 1496-1504	2.8	33
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161	Correlation densities of ionic liquids based on perturbed Yukawa chain equation of state. <b>2013</b> , 51, 33-43		5
160	Pressure effect on vibrational frequency and dephasing of 1-alkyl-3-methylimidazolium hexafluorophosphate ionic liquids. <b>2013</b> , 139, 054510		15
159	Towards the Equation of State for Neutral (C <sub>2</sub> H <sub>4</sub> ), Polar (H <sub>2</sub> O), and Ionic ([bmim][BF <sub>4</sub> ], [bmim][PF <sub>6</sub> ], [pmmim][Tf <sub>2</sub> N]) Liquids. <b>2014</b> , 2014, 1-15		1
158	Effect of the Structures of Ionic Liquids on Their Physical Chemical Properties. <b>2014</b> , 141-174		4
157	Structures and Thermodynamic Properties of Ionic Liquids. <b>2014</b> , 107-139		8
156	Liquefaction Properties of Alanine Hydrosulfate Ionic Liquid on Pine. <b>2014</b> , 525, 177-180		
155	Thermophysical properties of alkyl-imidazolium based ionic liquids through the heterosegmented SAFT-BACK equation of state. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 191, 59-67	6	30
154	Modeling stability and flexibility of $\beta$ -Chymotrypsin in room temperature ionic liquids. <b>2014</b> , 32, 1263-73		18
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152	Amine-functionalized amino acid-based ionic liquids as efficient and high-capacity absorbents for CO(2). <b>2014</b> , 7, 897-902		124
151	The density, refractive index, and thermodynamic behaviour of binary mixtures of 1,3-Diethenyl-1,1,3,3-tetramethyldisiloxane with aromatic hydrocarbons. <b>2014</b> , 72, 139-151		10
150	Study on thermo physical and excess molar properties of binary systems of ionic liquids. I: [Cnmim][PF <sub>6</sub> ] (n=6, 8) and alkyl acetates. <b>2014</b> , 74, 103-118		32
149	Density and viscosity of three (2,2,2-trifluoroethanol+1-butyl-3-methylimidazolium) ionic liquid binary systems. <b>2014</b> , 70, 101-110		80
148	Measurements of the density and viscosity of 1-hexene+1-octene mixtures at high temperatures and high pressures. <b>2014</b> , 592, 73-85		14
147	Low-Viscosity Tetramethylguanidinium-Based Ionic Liquids with Different Phenolate Anions: Synthesis, Characterization, and Physical Properties. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 4031-4038	2.8	15
146	Influence of anion/water interactions on the behaviour of lipases in room temperature ionic liquids. <b>2014</b> , 4, 48202-48211		15

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143	Thermophysical properties of sulfonium- and ammonium-based ionic liquids. <b>2014</b> , 381, 36-45		80
142	Atomistic force field for pyridinium-based ionic liquids: reliable transport properties. <b>2014</b> , 118, 10716-24		42
141	Refined method for predicting electrochemical windows of ionic liquids and experimental validation studies. <b>2014</b> , 118, 6250-5		39
140	Effect of Temperature and Anion on Densities, Viscosities, and Refractive Indices of 1-Octyl-3-propanenitrile Imidazolium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 1385-1390	2.8	13
139	Molecular insights into the electric double layers of ionic liquids on Au(100) electrodes. <b>2014</b> , 6, 12556-65		40
138	Excess Molar Properties for Binary Systems of C <sub>n</sub> MIM-BF <sub>4</sub> Ionic Liquids with Alkylamines in the Temperature Range (298.15 to 318.15) K. Experimental Results and Theoretical Model Calculations. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 540-553	2.8	20
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136	Replica-exchange molecular dynamics simulations of cellulose solvated in water and in the ionic liquid 1-butyl-3-methylimidazolium chloride. <b>2014</b> , 118, 11037-49		24
135	Physicochemical Study of n-Ethylpyridinium bis(trifluoromethylsulfonyl)imide Ionic Liquid. <b>2014</b> , 43, 696-710		29
134	Structural interaction leading to volumetric changes in aqueous solutions of nitrates of rubidium, cesium, strontium, yttrium, and gallium at different temperatures. <b>2014</b> , 301, 685-694		4
133	Excess Molar Enthalpies of Binary Mixtures Containing 1-Methyl-3-octyl-imidazolium Tetrafluoroborate and Alcohols at T = 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 678-683	2.8	2
132	Apparent Molar Volumes of 1-Alkyl (n = 2, 4, 6)-3-methylimidazolium Bromides in a Mixed-Solvent Medium of Acetonitrile + Water at Temperatures of (293.15, 303.15, and 313.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 1086-1093	2.8	3
131	Viscoelastic, Surface, and Volumetric Properties of Ionic Liquids [BMIM][O <sub>2</sub> CSO <sub>4</sub> ], [BMIM][PF <sub>6</sub> ], and [EMIM][MeSO <sub>3</sub> ]. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 2349-2359	2.8	38
130	Experimental and theoretical excess molar properties of imidazolium based ionic liquids with molecular organic solvents II. 1-Hexyl-3-methylimidazolium tetrafluoroborate and 1-octyl-3-methylimidazolium tetrafluoroborate with cyclic ethers. <b>2014</b> , 71, 236-248		38
129	Temperature Dependence of Physicochemical Properties of Imidazolium-, Pyrrolidinium-, and Phosphonium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 1955-1963	2.8	58
128	Efficient and reversible capture of SO <sub>2</sub> by pyridinium-based ionic liquids. <b>2014</b> , 251, 248-256		132

127	Simultaneous measurements of the density and viscosity of 1-hexene+1-decene mixtures at high temperatures and high pressures. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 197, 160-170	6	9
126	The study of volumetric, acoustic and transport properties of ionic liquid, 1-butyl-3-methylimidazolium chloride [Bmim][Cl] in aqueous lithium bromide solutions at T = 298.15-318.15 K. <b>2014</b> , 376, 40-47		13
125	Densities of ionic liquids from ion contribution-based equation of state: Electrolyte perturbation approach. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 197, 287-294	6	15
124	Densities and viscosities for ionic liquids mixtures containing [eOHmim][BF <sub>4</sub> ], [bmim][BF <sub>4</sub> ] and [bpy][BF <sub>4</sub> ]. <b>2014</b> , 77, 137-143		47
123	The effect of the cation aromaticity upon the thermophysical properties of piperidinium- and pyridinium-based ionic liquids. <b>2014</b> , 375, 80-88		51
122	Scaling Model of Low-Temperature Transport Properties for Molecular and Ionic Liquids. <b>2015</b> , 2015, 1-11		1
121	Structure and dynamics of POPC bilayers in water solutions of room temperature ionic liquids. <b>2015</b> , 142, 124706		41
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