

Critical Properties, Normal Boiling Temperature, and A Liquids

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Predicting Enthalpy of Vaporization of Ionic Liquids: A Simple Rule for a Complex Property. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5071-5074.	7.2	86
3	Thermodynamic Consistency Test of Vapor-Liquid Equilibrium Data for Mixtures Containing Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8416-8422.	1.8	62
4	Thermodynamic properties of ionic liquids—a cluster approach. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4333.	1.3	73
5	Avances en la Predicción de Propiedades Físicas, Físico-Químicas y de Transporte de Líquidos Iónicos. <i>Informacion Tecnológica (discontinued)</i> , 2009, 20, .	0.1	1
6	Temperature prediction for ionic liquids using neural networks. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2009, 40, 213-232.	2.7	73
7	Phase equilibria study of the binary systems (N-butyl-3-methylpyridinium tosylate ionic liquid+an) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	34
8	Estimation of Density as a Function of Temperature and Pressure for Imidazolium-Based Ionic Liquids Using a Multilayer Net with Particle Swarm Optimization. <i>International Journal of Thermophysics</i> , 2009, 30, 883-909.	1.0	49
9	Measurement and correlation of supercritical CO ₂ and ionic liquid systems for design of advanced unit operations. <i>Frontiers of Chemical Engineering in China</i> , 2009, 3, 12-19.	0.6	15
10	<i>T</i> (<i>T</i>, <i>p</i>) model for ionic liquids based on quantitative structure–property relationship calculations. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 1193-1197.	0.9	30
11	Partitioning behaviour of organic compounds between ionic liquids and supercritical fluids. <i>Journal of Chromatography A</i> , 2009, 1216, 1861-1880.	1.8	56
12	Density of Ionic Liquids Using Group Contribution and Artificial Neural Networks. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 3254-3259.	1.8	100
13	Thermophysical Properties of Ionic Liquids. <i>Topics in Current Chemistry</i> , 2009, 290, 185-212.	4.0	109
14	Critical Properties of Ionic Liquids. Revisited. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6890-6900.	1.8	307
15	Development of OPLS-AA Force Field Parameters for 68 Unique Ionic Liquids. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 1038-1050.	2.3	435
16	Activity coefficient models to describe isothermal vapor-liquid equilibrium of binary systems containing ionic liquids. <i>Journal of Engineering Thermophysics</i> , 2010, 19, 170-183.	0.6	11
17	Thermophysical properties of ionic liquids. <i>ACS Symposium Series</i> , 2010, , 43-60.	0.5	6
18	Estimation of solid vapor pressures of pure compounds at different temperatures using a multilayer network with particle swarm algorithm. <i>Fluid Phase Equilibria</i> , 2010, 289, 176-184.	1.4	21
19	Modeling of high-pressure vapor–liquid equilibrium in ionic liquids + gas systems using the PRSV equation of state. <i>Fluid Phase Equilibria</i> , 2010, 295, 9-16.	1.4	34

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20	High-pressure phase equilibria of {carbon dioxide (CO ₂)+n-alkyl-imidazolium bis(trifluoromethylsulfonyl)amide} ionic liquids. Journal of Chemical Thermodynamics, 2010, 42, 305-311.	1.0	123
21	Validity of some regularities of dense fluids for ionic liquids. Journal of Molecular Liquids, 2010, 151, 117-121.	2.3	8
22	Mass connectivity index, a new molecular parameter for the estimation of ionic liquid properties. Fluid Phase Equilibria, 2010, 297, 107-112.	1.4	51
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24	Critical-Point Temperature of Ionic Liquids from Surface Tension at Liquid–Vapor Equilibrium and the Correlation with the Interaction Energy. Industrial & Engineering Chemistry Research, 2010, 49, 12696-12701.	1.8	39
25	Reducing of Nitrous Oxide Emissions Using Ionic Liquids. Journal of Physical Chemistry B, 2010, 114, 8199-8206.	1.2	47
26	Measurement of CO ₂ Solubility in Ionic Liquids: [BMP][TfO] and [P14,6,6,6][Tf ₂ N] by Measuring Bubble-Point Pressure. Journal of Chemical & Engineering Data, 2010, 55, 891-896.	1.0	77
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28	Unusual Behavior of the Thermodynamic Response Functions of Ionic Liquids. Journal of Physical Chemistry Letters, 2010, 1, 211-214.	2.1	42
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39	Pressure–volume–temperature measurements of phosphonium-based ionic liquids and analysis with simple equations of state. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 914-929.	1.0	45
40	Extraction of free fatty acids from soybean oil using ionic liquids or poly(ethyleneglycol)s. <i>AICHE Journal</i> , 2011, 57, 1344-1355.	1.8	41
41	Estimation of densities of ionic liquids using Patel–Teja equation of state and critical properties determined from group contribution method. <i>Chemical Engineering Science</i> , 2011, 66, 2690-2698.	1.9	58
42	Prediction of activity coefficients at infinite dilution for organic solutes in ionic liquids by artificial neural network. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 22-27.	1.0	41
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51	Critical Properties and Normal Boiling Temperature of Ionic Liquids. Update and a New Consistency Test. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 7838-7844.	1.8	159
52	Correlation of volumetric properties of binary mixtures of some ionic liquids with alcohols using equation of state. <i>Ionics</i> , 2012, 18, 769-775.	1.2	11
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60	A group contribution method to predict the thermal decomposition temperature of ionic liquids. <i>Journal of Molecular Liquids</i> , 2012, 168, 87-93.	2.3	42
61	Gas-liquid equilibrium modeling of mixtures containing supercritical carbon dioxide and an ionic liquid. <i>Journal of Supercritical Fluids</i> , 2012, 64, 32-38.	1.6	18
62	Densities of ammonium and phosphonium based deep eutectic solvents: Prediction using artificial intelligence and group contribution techniques. <i>Thermochimica Acta</i> , 2012, 527, 59-66.	1.2	264
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64	Modification of Tao-Mason equation of state to ionic liquids. <i>Ionics</i> , 2012, 18, 135-142.	1.2	10
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70	Generalized PSRK Model for Prediction of Liquid Density of Ionic Liquids. <i>Procedia Engineering</i> , 2013, 51, 386-394.	1.2	11
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72	Ionic liquids surface tension prediction based on enthalpy of vaporization. <i>Fluid Phase Equilibria</i> , 2013, 358, 40-43.	1.4	11
73	Critical properties and acentric factors of ionic liquids. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 187-193.	1.2	25
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152	Process design of carbon dioxide and ethane separation using ionic liquid by extractive distillation. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 887-896.	1.6	26
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155	A systematic review on CO ₂ capture with ionic liquids: Current status and future prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 502-525.	8.2	368
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