

# Urszula Domańska

## List of Publications by Year in descending order

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248  
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docs citations

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times ranked

4282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Viscosity of Ionic Liquids: An Extensive Database and a New Group Contribution Model Based on a Feed-Forward Artificial Neural Network. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 1311-1324.	2.5	208
2	Separation of aromatic hydrocarbons from alkanes using ammonium ionic liquid C <sub>2</sub> N <sub>1</sub> Tf <sub>2</sub> at T=298.15K. <i>Fluid Phase Equilibria</i> , 2007, 259, 173-179.	1.4	190
3	Solubility of 1-Alkyl-3-methylimidazolium Hexafluorophosphate in Hydrocarbons. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 451-456.	1.0	178
4	Measurements of activity coefficients at infinite dilution of aromatic and aliphatic hydrocarbons, alcohols, and water in the new ionic liquid [EMIM][SCN] using GLC. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 860-866.	1.0	166
5	Measurements of activity coefficients at infinite dilution of aliphatic and aromatic hydrocarbons, alcohols, thiophene, tetrahydrofuran, MTBE, and water in ionic liquid [BMIM][SCN] using GLC. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 645-650.	1.0	154
6	Vapour-liquid-solid equilibrium of eicosanoic acid in one- and two-component solvents. <i>Fluid Phase Equilibria</i> , 1986, 26, 201-220.	1.4	152
7	Physicochemical Properties and Solubility of Alkyl-(2-hydroxyethyl)-dimethylammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12124-12132.	1.2	145
8	Effect of the cation and anion of the ionic liquid on desulfurization of model fuels. <i>Fuel</i> , 2014, 134, 114-125.	3.4	142
9	1-Octanol/Water Partition Coefficients of 1-Alkyl-3-methylimidazolium Chloride. <i>Chemistry - A European Journal</i> , 2003, 9, 3033-3041.	1.7	140
10	A New Group Contribution Method For Prediction of Density of Pure Ionic Liquids over a Wide Range of Temperature and Pressure. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 591-604.	1.8	127
11	Liquid-liquid equilibria in the binary systems (1,3-dimethylimidazolium, or 1-butyl-3-methylimidazolium) Tj ETQq1,1 0.784314 rgBT / Overl	4.6	116
12	Activity Coefficients at Infinite Dilution Measurements for Organic Solutes and Water in the Ionic Liquid 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11100-11105.	1.2	105
13	Thermodynamic Modeling of Ionic Liquid Systems: Development and Detailed Overview of Novel Methodology Based on the PC-SAFT. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5002-5018.	1.2	103
14	Solvent extraction of aromatic sulfur compounds from n-heptane using the 1-ethyl-3-methylimidazolium tricyanomethanide ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2013, 65, 168-173.	1.0	103
15	Activity coefficients at infinite dilution measurements for organic solutes in the ionic liquid 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)-imide using g.l.c. at T=(298.15, 313.15, and) Tj ETQq1 1 0.784314 rgBT / Overl	1.0	100
16	Activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate using GLC. <i>Fluid Phase Equilibria</i> , 2009, 278, 97-102.	1.4	100
17	Activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid 1-ethyl-3-methylimidazolium tetracyanoborate. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1050-1057.	1.0	99
18	Separation of thiophene from heptane with ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013, 61, 126-131.	1.0	97

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19	Solubility of 1-Dodecyl-3-methylimidazolium Chloride in Alcohols (C <sub>22</sub> C <sub>12</sub> ). Journal of Physical Chemistry B, 2003, 107, 1858-1863.	1.2	93
20	Liquid-Liquid Equilibria of the Ternary Mixtures with Sulfolane at 303.15 K. Journal of Chemical & Engineering Data, 1996, 41, 634-638.	1.0	92
21	Effect of temperature and composition on the density, viscosity, surface tension, and thermodynamic properties of binary mixtures of N-octylisoquinolinium bis{(trifluoromethyl)sulfonyl}imide with alcohols. Journal of Chemical Thermodynamics, 2012, 48, 101-111.	1.0	91
22	Thermophysical properties and thermodynamic phase behavior of ionic liquids. Thermochemica Acta, 2006, 448, 19-30.	1.2	90
23	Activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid 4-methyl-N-butyl-pyridinium bis(trifluoromethylsulfonyl)-imide. Journal of Chemical Thermodynamics, 2009, 41, 1350-1355.	1.0	89
24	Phase equilibria study of the binary systems (ionic liquid+thiophene): Desulphurization process. Journal of Chemical Thermodynamics, 2009, 41, 1303-1311.	1.0	88
25	Temperature and Composition Dependence of the Density and Viscosity of Binary Mixtures of {1-Butyl-3-methylimidazolium Thiocyanate + 1-Alcohols}. Journal of Chemical & Engineering Data, 2009, 54, 2113-2119.	1.0	88
26	Activity Coefficients at Infinite Dilution Measurements for Organic Solutes and Water in the Ionic Liquid 1-Ethyl-3-methylimidazolium Trifluoroacetate. Journal of Physical Chemistry B, 2007, 111, 11984-11988.	1.2	87
27	Solubilities and thermophysical properties of ionic liquids. Pure and Applied Chemistry, 2005, 77, 543-557.	0.9	86
28	$\kappa_a$ and Solubility of Drugs in Water, Ethanol, and 1-Octanol. Journal of Physical Chemistry B, 2009, 113, 8941-8947.	1.2	86
29	Measurements of Activity Coefficients at Infinite Dilution in Solvent Mixtures with Thiocyanate-Based Ionic Liquids Using GLC Technique. Journal of Physical Chemistry B, 2010, 114, 8460-8466.	1.2	86
30	Density and Viscosity of Binary Mixtures of Thiocyanate Ionic Liquids + Water as a Function of Temperature. Journal of Solution Chemistry, 2012, 41, 1422-1445.	0.6	86
31	Extraction of Metal Ions from Aqueous Solutions Using Imidazolium Based Ionic Liquids. Journal of Solution Chemistry, 2009, 38, 739-751.	0.6	81
32	Phase behaviour and physico-chemical properties of the binary systems {1-ethyl-3-methylimidazolium thiocyanate, or 1-ethyl-3-methylimidazolium tosylate+water, or+an alcohol}. Fluid Phase Equilibria, 2010, 294, 72-83.	1.4	81
33	Limiting Activity Coefficients and Gas-Liquid Partition Coefficients of Various Solutes in Piperidinium Ionic Liquids: Measurements and LSER Calculations. Journal of Physical Chemistry B, 2011, 115, 8207-8215.	1.2	80
34	Surface tension of binary mixtures of imidazolium and ammonium based ionic liquids with alcohols, or water: Cation, anion effect. Journal of Colloid and Interface Science, 2008, 322, 342-350.	5.0	79
35	Liquid phase behaviour of 1-hexyloxymethyl-3-methyl-imidazolium-based ionic liquids with hydrocarbons: The influence of anion. Journal of Chemical Thermodynamics, 2005, 37, 577-585.	1.0	78
36	Activity coefficients at infinite dilution measurements for organic solutes and water in the 1-hexyloxymethyl-3-methyl-imidazolium and 1,3-dihexyloxymethyl-imidazolium bis(trifluoromethylsulfonyl)-imide ionic liquids – The cation influence. Fluid Phase Equilibria, 2009, 286, 154-161.	1.4	77

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37	Thermodynamics and activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid 1-butyl-1-methylpyrrolidinium tetracyanoborate. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1810-1817.	1.0	77
38	Measurements of activity coefficients at infinite dilution of organic solutes and water in 1-propyl-1-methylpiperidinium bis((trifluoromethyl)sulfonyl)imide ionic liquid using g.l.c.. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 1361-1366.	1.0	76
39	Effect of an Ionic Liquid (IL) Cation on the Ternary System (IL + p-Xylene + Hexane) at T = 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2007, 52, 2345-2349.	1.0	75
40	Measurements of activity coefficients at infinite dilution of organic compounds and water in isoquinolinium-based ionic liquid [C8iQuin][NTf2] using GLC. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 499-504.	1.0	75
41	Activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid triethylsulfonium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 754-758.	1.0	74
42	Experimental and theoretical study on infinite dilution activity coefficients of various solutes in piperidinium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013, 60, 169-178.	1.0	74
43	Thermodynamics and activity coefficients at infinite dilution for organic solutes, water and diols in the ionic liquid choline bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 63-70.	1.0	74
44	(Liquid+liquid) phase equilibria of 1-alkyl-3-methylimidazolium methylsulfate with alcohols, or ethers, or ketones. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 685-695.	1.0	72
45	Effect of Temperature and Composition on the Density and Viscosity of Binary Mixtures of Ionic Liquid with Alcohols. <i>Journal of Solution Chemistry</i> , 2009, 38, 779-799.	0.6	72
46	Extraction of butan-1-ol from water with ionic liquids at T=308.15K. <i>Journal of Chemical Thermodynamics</i> , 2012, 53, 108-113.	1.0	72
47	Liquid-liquid phase equilibrium of (piperidinium-based ionic liquid + an alcohol) binary systems and modelling with NRHB and PCP-SAFT. <i>Fluid Phase Equilibria</i> , 2011, 305, 43-52.	1.4	70
48	Solubility of 1-Alkyl-3-ethylimidazolium-Based Ionic Liquids in Water and 1-Octanol. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1126-1132.	1.0	69
49	Solubility of Phosphonium Ionic Liquid in Alcohols, Benzene, and Alkylbenzenes. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4109-4115.	1.2	68
50	Phase behaviour of 1-hexyloxymethyl-3-methyl-imidazolium and 1,3-dihexyloxymethyl-imidazolium based ionic liquids with alcohols, water, ketones and hydrocarbons: The effect of cation and anion on solubility. <i>Fluid Phase Equilibria</i> , 2007, 260, 9-18.	1.4	68
51	Effect of temperature and composition on the surface tension and thermodynamic properties of binary mixtures of 1-butyl-3-methylimidazolium thiocyanate with alcohols. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 661-667.	5.0	68
52	Activity coefficients at infinite dilution measurements for organic solutes in the ionic liquid 1-butyl-3-methyl-imidazolium 2-(2-methoxyethoxy) ethyl sulfate using g.l.c. at T=(298.15, 303.15, and) Tj ETQq0 0 0.0gBT /Overlock 10 T		
53	Determination of Activity Coefficients at Infinite Dilution of Solutes in the Ionic Liquid 1-Butyl-3-methylimidazolium Octyl Sulfate Using Gas-Liquid Chromatography at a Temperature of 298.15 K, 313.15 K, or 328.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2005, 50, 1294-1298.	1.0	64
54	Measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-butyl-1-methylpyrrolidinium tris(pentafluoroethyl)trifluorophosphate ([BMPYR][FAP]). <i>Chemical Engineering Journal</i> , 2012, 183, 261-270.	6.6	63

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55	Measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-butyl-1-methylpyrrolidinium tricyanomethanide. <i>Journal of Chemical Thermodynamics</i> , 2013, 66, 144-150.	1.0	63
56	PLGA Biodegradable Nanoparticles Containing Perphenazine or Chlorpromazine Hydrochloride: Effect of Formulation and Release. <i>International Journal of Molecular Sciences</i> , 2014, 15, 23909-23923.	1.8	62
57	Activity coefficients at infinite dilution of organic solvents and water in 1-butyl-3-methylimidazolium dicyanamide. A literature review of hexane/hex-1-ene separation. <i>Fluid Phase Equilibria</i> , 2016, 417, 50-61.	1.4	60
58	Phase Equilibria Study of the Binary Systems (1-Butyl-3-methylimidazolium Thiocyanate Ionic Liquid +) Tj ETQq0 0 0, rgBT /Overlock 10 T	1.2	59
59	Separation of Hexane/Ethanol Mixtures. LLE of Ternary Systems (Ionic Liquid or Hyperbranched) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 54, 972-976.	1.0	57
60	Physicochemical Properties and Activity Coefficients at Infinite Dilution for Organic Solutes and Water in the Ionic Liquid 1-Decyl-3-methylimidazolium Tetracyanoborate. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16542-16547.	1.2	57
61	Thermodynamic Phase Behavior of Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2007, 52, 1872-1880.	1.0	56
62	Extraction desulfurization process of fuels with ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 40-45.	1.0	53
63	Phase Equilibria Study in Binary Systems (Tetra- <i>n</i> -butylphosphonium Tosylate Ionic Liquid +) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.2	52
64	Gas-liquid chromatography measurements of activity coefficients at infinite dilution of various organic solutes and water in tri- <i>iso</i> -butylmethylphosphonium tosylate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 707-711.	1.0	52
65	Measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-hexyl-3-methylimidazolium tetracyanoborate. <i>Journal of Chemical Thermodynamics</i> , 2012, 47, 389-396.	1.0	52
66	Separation of sulfur compounds from alkanes with 1-alkylcyanopyridinium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 69, 27-35.	1.0	52
67	Solubilities, Partition Coefficients, Density, and Surface Tension for Imidazoles + Octan-1-ol or + Water or + <i>n</i> -Decane. <i>Journal of Chemical &amp; Engineering Data</i> , 2002, 47, 456-466.	1.0	51
68	Activity Coefficients at Infinite Dilution Measurements for Organic Solutes and Water in the Ionic Liquid 1-Hexyl-3-methylimidazolium Thiocyanate. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 2532-2536.	1.0	50
69	Solubility of Aliphatic Hydrocarbons in Piperidinium Ionic Liquids: Measurements and Modeling in Terms of Perturbed-Chain Statistical Associating Fluid Theory and Nonrandom Hydrogen-Bonding Theory. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12537-12548.	1.2	50
70	Phase Equilibria and Modeling of Ammonium Ionic Liquid, C <sub>2</sub> N <sub>2</sub> , Solutions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1218-1225.	1.2	49
71	Phase equilibria study of the binary systems (1-butyl-3-methylimidazolium tosylate ionic liquid+water,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.0	49
72	Selection of Ionic Liquids to be Used as Separation Agents for Terpenes and Terpenoids. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 548-556.	3.2	49

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73	Physico-chemical properties and phase behaviour of piperidinium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2011, 303, 1-9.	1.4	48
74	Phase equilibria study of binary and ternary mixtures of {N-octylisoquinolinium bis{(trifluoromethyl)sulfonyl}imide + hydrocarbon, or an alcohol, or water}. <i>Chemical Engineering Journal</i> , 2012, 181-182, 63-71.	6.6	48
75	Thermodynamics and activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-butyl-1-methylmorpholinium tricyanomethanide. <i>Journal of Chemical Thermodynamics</i> , 2014, 68, 53-59.	1.0	48
76	Phase Equilibria and Volumetric Properties in Binary Mixtures Containing Branched Chain Ethers (Methyl 1,1-Dimethylethyl Ether or Ethyl 1,1-Dimethylethyl Ether or Methyl 1,1-Dimethylpropyl Ether or Tj ETQq0 0 0 rgBT /Overlock 10	1.0	47
77	Experimental and theoretically study of interaction between organic compounds and tricyanomethanide based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015, 85, 49-56.	1.0	47
78	Thermodynamic Properties of Mixtures Containing Ionic Liquids. 7. Activity Coefficients of Aliphatic and Aromatic Esters and Benzylamine in 1-Methyl-3-ethylimidazolium Bis(trifluoromethylsulfonyl) Imide Using the Transpiration Method. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 213-218.	1.0	46
79	Phase Equilibria of (1-Hexyl-3-methylimidazolium Thiocyanate + Water, Alcohol, or Hydrocarbon) Binary Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 773-777.	1.0	46
80	Synthesis, physical, and thermodynamic properties of 1-alkyl-cyanopyridinium bis{(trifluoromethyl)sulfonyl}imide ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013, 56, 153-161.	1.0	45
81	Measurements of activity coefficients at infinite dilution of organic solutes and water on polar imidazolium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 194-203.	1.0	45
82	Separation Based on Limiting Activity Coefficients of Various Solutes in 1-Allyl-3-methylimidazolium Dicyanamide Ionic Liquid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 5054-5062.	1.8	45
83	Physico-Chemical Properties and Phase Behaviour of Pyrrolidinium-Based Ionic Liquids. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1825-1841.	1.8	43
84	Effect of temperature and composition on the density, viscosity surface tension and excess quantities of binary mixtures of 1-ethyl-3-methylimidazolium tricyanomethanide with thiophene. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 504-511.	2.3	43
85	Phase Equilibria of (1-Ethyl-3-methylimidazolium Ethylsulfate + Hydrocarbon, + Ketone, and + Ether) Binary Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 498-502.	1.0	42
86	Thermodynamics and selectivity of separation based on activity coefficients at infinite dilution of various solutes in 1-allyl-3-methylimidazolium bis{(trifluoromethyl)sulfonyl}imide ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2016, 102, 39-47.	1.0	42
87	Solubility of ethyl-(2-hydroxyethyl)-dimethylammonium bromide in alcohols (C2â€C12). <i>Fluid Phase Equilibria</i> , 2005, 233, 220-227.	1.4	41
88	Activity coefficients at infinite dilution measurements for organic solutes in the ionic liquid trihexyltetradecylphosphonium-bis-(2,4,4-trimethylpentyl)-phosphinate using g.l.c. at T= (303.15, 308.15,) Tj ETQq0 0 0 rgBT /Overlock	1.0	41
89	Determination of Activity Coefficients at Infinite Dilution of Solutes in the Ionic Liquid, Trihexyltetradecylphosphonium Bis(trifluoromethylsulfonyl) Imide, Using Gasâ~Liquid Chromatography at <i>T</i> = (303.15, 308.15, 313.15, and 318.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 2044-2049.	1.0	41
90	Activity coefficients at infinite dilution measurements for organic solutes in the ionic liquid N-butyl-4-methylpyridinium tosylate using GLC at T= (328.15, 333.15, 338.15, and 343.15) K. <i>Fluid Phase Equilibria</i> , 2009, 276, 31-36.	1.4	41

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91	Excess Enthalpies of Mixing of Piperidinium Ionic Liquids with Short-Chain Alcohols: Measurements and PC-SAFT Modeling. Journal of Physical Chemistry B, 2013, 117, 3884-3891.	1.2	41
92	High pressure (solid+liquid) equilibria of n-alkane mixtures: experimental results, correlation and prediction. Fluid Phase Equilibria, 2005, 230, 72-80.	1.4	39
93	Determination of thermodynamic properties of isotactic poly(1-butene) at infinite dilution using density and inverse gas chromatography. Journal of Chromatography A, 2005, 1068, 297-305.	1.8	39
94	Measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-ethyl-3-methylimidazolium methanesulfonate. Journal of Chemical Thermodynamics, 2012, 54, 20-27.	1.0	38
95	Effect of the alkyl side chain of the 1-alkylpiperidinium-based ionic liquids on desulfurization of fuels. Journal of Chemical Thermodynamics, 2014, 72, 31-36.	1.0	38
96	Liquid phase behaviour of 1-butyl-3-methylimidazolium 2-(2-methoxyethoxy)-ethylsulfate with organic solvents and water. Green Chemistry, 2007, 9, 262-266.	4.6	37
97	Modelling, solubility and pKa of five sparingly soluble drugs. International Journal of Pharmaceutics, 2011, 403, 115-122.	2.6	37
98	Liquid-liquid extraction of cobalt(II) and zinc(II) from aqueous solutions using novel ionic liquids as an extractants. Journal of Molecular Liquids, 2020, 307, 112955.	2.3	37
99	Phase Equilibria of an Ammonium Ionic Liquid with Organic Solvents and Water. Journal of Chemical & Engineering Data, 2007, 52, 309-314.	1.0	36
100	Ammonium ionic liquid as modulator of the critical micelle concentration of ammonium surfactant at aqueous solution: Conductimetric and dynamic light scattering (DLS) studies. Journal of Colloid and Interface Science, 2007, 314, 643-650.	5.0	36
101	Estimation of extraction properties of new imidazolidine anion based ionic liquids on the basis of activity coefficient at infinite dilution measurements. Separation and Purification Technology, 2013, 118, 242-254.	3.9	36
102	Thermodynamics and limiting activity coefficients measurements for organic solutes and water in the ionic liquid 1-dodecyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide. Journal of Chemical Thermodynamics, 2016, 103, 76-85.	1.0	36
103	Phase Equilibria Study of the Binary Systems (N-Butyl-4-methylpyridinium Tosylate Ionic Liquid +) Tj ETQq1 1.0, 784314, rgBT / O 35	1.0	35
104	Recovery of an antidepressant from pharmaceutical wastes using ionic liquid-based aqueous biphasic systems. Green Chemistry, 2016, 18, 3527-3536.	4.6	35
105	Phase equilibria study of the binary systems (N-butyl-3-methylpyridinium tosylate ionic liquid+an) Tj ETQq1 1.0, 784314, rgBT / O 34	1.0	34
106	Physicochemical properties and activity coefficients at infinite dilution for organic solutes and water in a novel bicyclic guanidinium superbase-derived protic ionic liquid. Journal of Chemical Thermodynamics, 2013, 58, 62-69.	1.0	34
107	Thermodynamics of binary mixtures of N-methyl-2-pyrrolidinone and ketone. Experimental results and modelling of the (solid+liquid) equilibrium and the (vapour+liquid) equilibrium. The modified UNIFAC (Do) model characterization. Journal of Chemical Thermodynamics, 2005, 37, 692-704.	1.0	33
108	Renewable Feedstocks in Green Solvents: Thermodynamic Study on Phase Diagrams of Sorbitol and Xylitol with Dicyanamide Based Ionic Liquids. Journal of Physical Chemistry B, 2013, 117, 7034-7046.	1.2	33

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109	Gamma infinity data for the separation of water-butan-1-ol mixtures using ionic liquids. Separation and Purification Technology, 2016, 162, 162-170.	3.9	33
110	Separation of binary mixtures based on gamma infinity data using [EMIM][TCM] ionic liquid and modelling of thermodynamic functions. Journal of Molecular Liquids, 2017, 225, 382-390.	2.3	33
111	Solubility and pKa of select pharmaceuticals in water, ethanol, and 1-octanol. Journal of Chemical Thermodynamics, 2010, 42, 1465-1472.	1.0	32
112	Heterosegmented Perturbed-Chain Statistical Associating Fluid Theory as a Robust and Accurate Tool for Modeling of Various Alkanes. 1. Pure Fluids. Industrial & Engineering Chemistry Research, 2012, 51, 12967-12983.	1.8	32
113	Perturbed-Chain SAFT as a Versatile Tool for Thermodynamic Modeling of Binary Mixtures Containing Isoquinolinium Ionic Liquids. Journal of Physical Chemistry B, 2012, 116, 8191-8200.	1.2	32
114	Separation of 2-Phenylethanol from Water by Liquid-Liquid Extraction with Ionic Liquids: New Experimental Data and Modeling with Modern Thermodynamic Tools. Industrial & Engineering Chemistry Research, 2016, 55, 5736-5747.	1.8	32
115	Solubility of Benzimidazoles in Alcohols. Journal of Chemical & Engineering Data, 2003, 48, 951-956.	1.0	31
116	Solubility of Sparingly Soluble Drug Derivatives of Anthranilic Acid. Journal of Physical Chemistry B, 2011, 115, 2547-2554.	1.2	31
117	Excess Enthalpies of Mixing, Effect of Temperature and Composition on the Density, and Viscosity and Thermodynamic Properties of Binary Systems of {Ammonium-Based Ionic Liquid + Alkanediol}. Journal of Physical Chemistry B, 2014, 118, 12692-12705.	1.2	31
118	Activity coefficients at infinite dilution for organic solutes and water in 1-ethyl-1-methylpyrrolidinium lactate. Journal of Chemical Thermodynamics, 2015, 89, 127-133.	1.0	30
119	Separation of pyridine from heptane with tricyanomethanide-based ionic liquids. Fluid Phase Equilibria, 2015, 395, 9-14.	1.4	30
120	Effect of 2-Hydroxypropyl- $\beta$ -cyclodextrin on Solubility of Sparingly Soluble Drug Derivatives of Anthranilic Acid. International Journal of Molecular Sciences, 2011, 12, 2383-2394.	1.8	29
121	Density, Viscosity and Surface Tension of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tricyanomethanide with Benzothiophene. Journal of Solution Chemistry, 2014, 43, 1929-1946.	0.6	29
122	Thermodynamic Study of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Dicyanamide Ionic Liquid with Molecular Solvents: New Experimental Data and Modeling with PC-SAFT Equation of State. Journal of Physical Chemistry B, 2015, 119, 543-551.	1.2	29
123	Separation of binary mixtures hexane/hex-1-ene, cyclohexane/cyclohexene and ethylbenzene/styrene based on limiting activity coefficients. Journal of Chemical Thermodynamics, 2017, 110, 227-236.	1.0	29
124	Phase equilibria of didecyldimethylammonium nitrate ionic liquid with water and organic solvents. Journal of Chemical Thermodynamics, 2007, 39, 729-736.	1.0	28
125	Phase behaviour of 1-butyl-1-methylpyrrolidinium thiocyanate ionic liquid. Fluid Phase Equilibria, 2011, 308, 55-63.	1.4	28
126	Prediction of ionic liquids phase equilibrium with the COSMO-RS model. Fluid Phase Equilibria, 2016, 424, 16-31.	1.4	28



#	ARTICLE	IF	CITATIONS
127	Phase Equilibria and Modeling of Pyridinium-Based Ionic Liquid Solutions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15011-15017.	1.2	27
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131	Solubility of Sulfolane in Selected Organic Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 1996, 41, 261-265.	1.0	25
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142	Excess Molar Enthalpies and Volumes of Diethylamine or Dipropylamine + an Ether at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 1999, 44, 274-285.	1.0	23
143	(Solid-Liquid) equilibrium phase diagrams in binary mixtures containing terpenes: New experimental data and analysis of several modelling strategies with modified UNIFAC (Dortmund) and PC-SAFT equation of state. <i>Fluid Phase Equilibria</i> , 2016, 422, 66-77.	1.4	23
144	Effect of Cation Structure in Trifluoromethanesulfonate-Based Ionic Liquids: Density, Viscosity, and Aqueous Biphasic Systems Involving Carbohydrates as “Salting-Out” Agents. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 1296-1304.	1.0	23

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178	Separation of thiophene from octane/hexadecane with ionic liquids in ternary liquid-liquid phase equilibrium. <i>Fluid Phase Equilibria</i> , 2020, 509, 112467.	1.4	17
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182	Solid-liquid phase equilibria in binary mixtures of functionalized ionic liquids with sugar alcohols: New experimental data and modelling. <i>Fluid Phase Equilibria</i> , 2015, 403, 167-175.	1.4	16
183	Separation of 2-phenylethanol (PEA) from water using ionic liquids. <i>Fluid Phase Equilibria</i> , 2016, 423, 109-119.	1.4	16
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