

# Urszula Domańska

## List of Publications by Year in descending order

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248

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10,015

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23567

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60623

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docs citations

251

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.	5.4	208
2	Separation of aromatic hydrocarbons from alkanes using ammonium ionic liquid C2NTf2 at T=298.15K. <i>Fluid Phase Equilibria</i> , 2007, 259, 173-179.	2.5	190
3	Solubility of 1-Alkyl-3-methylimidazolium Hexafluorophosphate in Hydrocarbons. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 451-456.	1.9	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.	2.0	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.	2.0	154
6	Vapour-liquid-solid equilibrium of eicosanoic acid in one- and two-component solvents. <i>Fluid Phase Equilibria</i> , 1986, 26, 201-220.	2.5	152
7	Physicochemical Properties and Solubility of Alkyl-(2-hydroxyethyl)-dimethylammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12124-12132.	2.6	145
8	Effect of the cation and anion of the ionic liquid on desulfurization of model fuels. <i>Fuel</i> , 2014, 134, 114-125.	6.4	142
9	1-Octanol/Water Partition Coefficients of 1-Alkyl-3-methylimidazolium Chloride. <i>Chemistry - A European Journal</i> , 2003, 9, 3033-3041.	3.3	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.	3.7	127
11	Liquid-liquid equilibria in the binary systems (1,3-dimethylimidazolium, or 1-butyl-3-methylimidazolium) Tj ETQq1,1 0.784314 rgBT / Overl	9.0	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.	2.6	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.	2.6	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.	2.0	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	2.7	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.	2.5	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.	2.0	99
18	Separation of thiophene from heptane with ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013, 61, 126-131.	2.0	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.	2.6	93
20	Liquid-Liquid Equilibria of the Ternary Mixtures with Sulfolane at 303.15 K. Journal of Chemical & Engineering Data, 1996, 41, 634-638.	1.9	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.	2.0	91
22	Thermophysical properties and thermodynamic phase behavior of ionic liquids. Thermochimica Acta, 2006, 448, 19-30.	2.7	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.	2.0	89
24	Phase equilibria study of the binary systems (ionic liquid+thiophene): Desulphurization process. Journal of Chemical Thermodynamics, 2009, 41, 1303-1311.	2.0	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.	1.9	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.	2.6	87
27	Solubilities and thermophysical properties of ionic liquids. Pure and Applied Chemistry, 2005, 77, 543-557.	1.9	86
28	p <i>K<sub>a</sub></i> and Solubility of Drugs in Water, Ethanol, and 1-Octanol. Journal of Physical Chemistry B, 2009, 113, 8941-8947.	2.6	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.	2.6	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.	1.2	86
31	Extraction of Metal Ions from Aqueous Solutions Using Imidazolium Based Ionic Liquids. Journal of Solution Chemistry, 2009, 38, 739-751.	1.2	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.	2.5	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.	2.6	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.	9.4	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.	2.0	78
36	Activity coefficients at infinite dilution measurements for organic solutes and water in the 1-hexyloxymethyl-3-methyl-imidazolium and 1,3-di-hexyloxymethyl-imidazolium bis(trifluoromethylsulfonyl)-imide ionic liquids—The cation influence. Fluid Phase Equilibria, 2009, 286, 154-161.	2.5	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.	2.0	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.	2.0	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.	1.9	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.	2.0	75
41	Activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid triethylsulphonium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 754-758.	2.0	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.	2.0	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.	2.0	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.	2.0	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.	1.2	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.	2.0	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.	2.5	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.	1.9	69
49	Solubility of Phosphonium Ionic Liquid in Alcohols, Benzene, and Alkylbenzenes. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4109-4115.	2.6	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.	2.5	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.	9.4	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 0.0 BT / Overlock 10 T	2.0	67
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.	1.9	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.	12.7	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. Journal of Chemical Thermodynamics, 2013, 66, 144-150.	2.0	63
56	PLGA Biodegradable Nanoparticles Containing Perphenazine or Chlorpromazine Hydrochloride: Effect of Formulation and Release. International Journal of Molecular Sciences, 2014, 15, 23909-23923.	4.1	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. Fluid Phase Equilibria, 2016, 417, 50-61.	2.5	60
58	Phase Equilibria Study of the Binary Systems (1-Butyl-3-methylimidazolium Thiocyanate Ionic Liquid +) Tj ETQq0 0 0,rgBT /Overlock 10 T	2.8	59
59	Separation of Hexane/Ethanol Mixtures. LLE of Ternary Systems (Ionic Liquid or Hyperbranched) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	57
60	Physicochemical Properties and Activity Coefficients at Infinite Dilution for Organic Solutes and Water in the Ionic Liquid 1-Decyl-3-methylimidazolium Tetracyanoborate. Journal of Physical Chemistry B, 2010, 114, 16542-16547.	2.6	57
61	Thermodynamic Phase Behavior of Ionic Liquids. Journal of Chemical & Engineering Data, 2007, 52, 1872-1880.	1.9	56
62	Extraction desulfurization process of fuels with ionic liquids. Journal of Chemical Thermodynamics, 2014, 77, 40-45.	2.0	53
63	Phase Equilibria Study in Binary Systems (Tetra- <i>n</i> -butylphosphonium Tosylate Ionic Liquid +) Tj ETQq1 1 0.784314 rgBT /Overlock	2.6	52
64	Gas-liquid chromatography measurements of activity coefficients at infinite dilution of various organic solutes and water in tri-iso-butylmethylphosphonium tosylate ionic liquid. Journal of Chemical Thermodynamics, 2010, 42, 707-711.	2.0	52
65	Measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-hexyl-3-methylimidazolium tetracyanoborate. Journal of Chemical Thermodynamics, 2012, 47, 389-396.	2.0	52
66	Separation of sulfur compounds from alkanes with 1-alkylcyanopyridinium-based ionic liquids. Journal of Chemical Thermodynamics, 2014, 69, 27-35.	2.0	52
67	Solubilities, Partition Coefficients, Density, and Surface Tension for Imidazoles + Octan-1-ol or + Water or +n-Decane. Journal of Chemical & Engineering Data, 2002, 47, 456-466.	1.9	51
68	Activity Coefficients at Infinite Dilution Measurements for Organic Solutes and Water in the Ionic Liquid 1-Hexyl-3-methylimidazolium Thiocyanate. Journal of Chemical & Engineering Data, 2010, 55, 2532-2536.	1.9	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. Journal of Physical Chemistry B, 2011, 115, 12537-12548.	2.6	50
70	Phase Equilibria and Modeling of Ammonium Ionic Liquid, C <sub>2</sub> NTf <sub>2</sub> , Solutions. Journal of Physical Chemistry B, 2008, 112, 1218-1225.	2.6	49
71	Phase equilibria study of the binary systems (1-butyl-3-methylimidazolium tosylate ionic liquid+water,) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	49
72	Selection of Ionic Liquids to be Used as Separation Agents for Terpenes and Terpenoids. ACS Sustainable Chemistry and Engineering, 2016, 4, 548-556.	6.7	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.	2.5	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.	12.7	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.	2.0	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) <i>Tj ETQq0 0.0 rgBT /Overlock 10</i>	2.0	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.	2.0	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.	1.9	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.	1.9	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.	2.0	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.	2.0	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.	3.7	45
83	Physico-Chemical Properties and Phase Behaviour of Pyrrolidinium-Based Ionic Liquids. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1825-1841.	4.1	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.	4.7	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.	1.9	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.	2.0	42
87	Solubility of ethyl-(2-hydroxyethyl)-dimethylammonium bromide in alcohols (C2â€C12). <i>Fluid Phase Equilibria</i> , 2005, 233, 220-227.	2.5	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,) <i>Tj ETQq0 0.0 rgBT /Overlock 10</i>	2.0	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.	1.9	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.	2.5	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.	2.6	41
92	High pressure (solid+liquid) equilibria of n-alkane mixtures: experimental results, correlation and prediction. Fluid Phase Equilibria, 2005, 230, 72-80.	2.5	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.	3.7	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.	2.0	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.	2.0	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.	9.0	37
97	Modelling, solubility and pKa of five sparingly soluble drugs. International Journal of Pharmaceutics, 2011, 403, 115-122.	5.2	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.	4.9	37
99	Phase Equilibria of an Ammonium Ionic Liquid with Organic Solvents and Water. Journal of Chemical & Engineering Data, 2007, 52, 309-314.	1.9	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.	9.4	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.	7.9	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.	2.0	36
103	Phase Equilibria Study of the Binary Systems (N-Butyl-4-methylpyridinium Tosylate Ionic Liquid +) Tj ETQq1 1.0784314 rgBT /O	1.9	35
104	Recovery of an antidepressant from pharmaceutical wastes using ionic liquid-based aqueous biphasic systems. Green Chemistry, 2016, 18, 3527-3536.	9.0	35
105	Phase equilibria study of the binary systems (N-butyl-3-methylpyridinium tosylate ionic liquid+an) Tj ETQq1 1.0784314 rgBT /O	2.0	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.	2.0	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.	2.0	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.	2.6	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.	7.9	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.	4.9	33
111	Solubility and pKa of select pharmaceuticals in water, ethanol, and 1-octanol. Journal of Chemical Thermodynamics, 2010, 42, 1465-1472.	2.0	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.	3.7	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.	2.6	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.	3.7	32
115	Solubility of Benzimidazoles in Alcohols. Journal of Chemical & Engineering Data, 2003, 48, 951-956.	1.9	31
116	Solubility of Sparingly Soluble Drug Derivatives of Anthranilic Acid. Journal of Physical Chemistry B, 2011, 115, 2547-2554.	2.6	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.	2.6	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.	2.0	30
119	Separation of pyridine from heptane with tricyanomethanide-based ionic liquids. Fluid Phase Equilibria, 2015, 395, 9-14.	2.5	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.	4.1	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.	1.2	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.	2.6	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.	2.0	29
124	Phase equilibria of didecyldimethylammonium nitrate ionic liquid with water and organic solvents. Journal of Chemical Thermodynamics, 2007, 39, 729-736.	2.0	28
125	Phase behaviour of 1-butyl-1-methylpyrrolidinium thiocyanate ionic liquid. Fluid Phase Equilibria, 2011, 308, 55-63.	2.5	28
126	Prediction of ionic liquids phase equilibrium with the COSMO-RS model. Fluid Phase Equilibria, 2016, 424, 16-31.	2.5	28



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127	Phase Equilibria and Modeling of Pyridinium-Based Ionic Liquid Solutions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15011-15017.	2.6	27
128	Thermophysical properties and phase equilibria study of the binary systems {N-hexylquinolinium bis(trifluoromethylsulfonyl)imide+aromatic hydrocarbons, or an alcohol}. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 775-781.	2.0	27
129	Influence of high pressure on solubility of ionic liquids: experimental data and correlation. <i>Green Chemistry</i> , 2007, 9, 361-368.	9.0	26
130	Liquid-liquid separation of hexane/hex-1-ene and cyclohexane/cyclohexene by dicyanamide-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 299-308.	2.0	26
131	Solubility of Sulfolane in Selected Organic Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 1996, 41, 261-265.	1.9	25
132	Solubility of ionic liquids in water and octan-1-ol and octan-1-ol/water, or 2-phenylethanol/water partition coefficients. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 225-233.	2.0	25
133	“Sweet-in-Green” Systems Based on Sugars and Ionic Liquids: New Solubility Data and Thermodynamic Analysis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 18482-18491.	3.7	25
134	A 1-alkylcyanopyridinium-based ionic liquid in the separation processes. <i>Journal of Chemical Thermodynamics</i> , 2016, 97, 253-260.	2.0	25
135	Separation of water/butan-1-ol mixtures based on limiting activity coefficients with phosphonium-based ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2017, 113, 183-191.	2.0	25
136	Studying of drug solubility in water and alcohols using drug-ammonium ionic liquid-compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 111, 270-277.	4.0	25
137	Polymer “ ionic liquid “ Pharmaceutical conjugates as drug delivery systems. <i>Journal of Molecular Structure</i> , 2019, 1180, 573-584.	3.6	25
138	Vapor-Liquid Equilibria of Binary Mixtures Containing Sulfolane. <i>Journal of Chemical &amp; Engineering Data</i> , 1996, 41, 624-628.	1.9	24
139	Thermodynamic properties of the N-butylisoquinolinium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 989-995.	2.0	24
140	The influence of temperature and composition on the density, viscosity and excess properties of aqueous mixtures of carboxylic-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2017, 109, 71-81.	2.0	24
141	Bis(trifluoromethylsulfonyl)imide, or dicyanamide-based ionic liquids in the liquid-liquid extraction of hex-1-ene from hexane and cyclohexene from cyclohexane. <i>Journal of Chemical Thermodynamics</i> , 2017, 105, 375-384.	2.0	24
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.	1.9	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.	2.5	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.	1.9	23

#	ARTICLE	IF	CITATIONS
145	Recovery of 2-phenylethanol from aqueous solutions of biosynthesis using ionic liquids. Separation and Purification Technology, 2017, 188, 530-538.	7.9	23
146	Liquid-liquid extraction of styrene from ethylbenzene using ionic liquids. Journal of Chemical Thermodynamics, 2018, 124, 153-159.	2.0	23
147	Measurements of the density and viscosity of binary mixtures of (hyper-branched polymer,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Thermodynamics, 2010, 42, 651-658.	2.0	22
148	Phase Equilibria Study of {N-Hexylisoquinolinium bis{(trifluoromethyl)sulfonyl}imide + Aromatic Hydrocarbons or an Alcohol} Binary Systems. Journal of Physical Chemistry B, 2011, 115, 4003-4010.	2.6	22
149	High selective water/butan-1-ol separation on investigation of limiting activity coefficients with [P 8,8,8,8 ] [NTf 2 ] ionic liquid. Fluid Phase Equilibria, 2017, 449, 1-9.	2.5	22
150	Extraction of 2-Phenylethanol (PEA) from Aqueous Solution Using Ionic Liquids: Synthesis, Phase Equilibrium Investigation, Selectivity in Separation, and Thermodynamic Models. Journal of Physical Chemistry B, 2017, 121, 7689-7698.	2.6	22
151	(Solid+liquid) and (liquid+liquid) phase equilibria measurements and correlation of the binary systems {tri-iso-butyl(methyl)phosphonium tosylate+alcohol, or +hydrocarbon}. Fluid Phase Equilibria, 2009, 278, 90-96.	2.5	21
152	Phase equilibria study of {N-butylquinolinium bis{(trifluoromethyl)sulfonyl}imide + aromatic hydrocarbons, or an alcohol} binary systems. Journal of Chemical Thermodynamics, 2010, 42, 1180-1186.	2.0	21
153	(Solid + liquid) and (liquid + liquid) phase equilibria study and correlation of the binary systems {N-butyl-3-methylpyridinium tosylate + water, or + an alcohol, or + a hydrocarbon}. Fluid Phase Equilibria, 2010, 294, 89-97.	2.5	21
154	Thermodynamics and Activity Coefficients at Infinite Dilution Measurements for Organic Solutes and Water in the Ionic Liquid N-Hexyl-3-methylpyridinium Tosylate. Journal of Physical Chemistry B, 2011, 115, 7397-7404.	2.6	21
155	Phase behaviour of ionic liquid 1-butyl-1-methylpyrrolidinium tris(pentafluoroethyl)trifluorophosphate with alcohols, water and aromatic hydrocarbons. Fluid Phase Equilibria, 2013, 345, 18-22.	2.5	21
156	Lithium cation conducting TDI anion-based ionic liquids. Physical Chemistry Chemical Physics, 2014, 16, 11417-11425.	2.8	21
157	Ternary Liquid-Liquid Equilibria for Mixtures of {Ionic Liquid+Thiophene or Benzothiophene+Heptane} at T=308.15 K. Journal of Solution Chemistry, 2015, 44, 382-394.	1.2	21
158	Phase equilibrium investigation with ionic liquids and selectivity in separation of 2-phenylethanol from water. Journal of Chemical Thermodynamics, 2016, 102, 357-366.	2.0	21
159	Separation of hex-1-ene/hexane and cyclohexene/cyclohexane compounds with [EMIM]-based ionic liquids. Fluid Phase Equilibria, 2016, 427, 421-428.	2.5	21
160	Phase equilibrium in binary systems of ionic liquids, or deep eutectic solvents with 2-phenylethanol (PEA), or water. Fluid Phase Equilibria, 2016, 424, 68-78.	2.5	21
161	API-ammonium ionic liquid Polymer compounds as a potential tool for delivery systems. Journal of Molecular Liquids, 2017, 248, 972-980.	4.9	21
162	Extraction of butan-1-ol from aqueous solution using ionic liquids: An effect of cation revealed by experiments and thermodynamic models. Separation and Purification Technology, 2018, 196, 71-81.	7.9	21

#	ARTICLE	IF	CITATIONS
163	Experimental (Solid + Liquid) and (Liquid + Liquid) Equilibria and Excess Molar Volume of Alkanol + Acetonitrile, Propanenitrile, and Butanenitrile Mixtures. Journal of Chemical & Engineering Data, 2005, 50, 2035-2044.	1.9	20
164	Phase diagrams of binary systems containing tricyanomethanide-based ionic liquids and thiophene or pyridine – New experimental data and PC-SAFT modelling. Fluid Phase Equilibria, 2015, 399, 105-114.	2.5	20
165	Experimental Data of Fluid Phase Equilibria- Correlation and Prediction Models: A Review. Processes, 2019, 7, 277.	2.8	20
166	Temperature and composition dependence of the density and viscosity of binary mixtures of (hyperbranched polymer, B-U3000+1-alcohol, or ether). Journal of Chemical Thermodynamics, 2009, 41, 821-828.	2.0	19
167	Separation of an Alcohol and a Tetrahydrofuran, Methyl <i>tert</i> -Butyl Ether, or Ethyl <i>tert</i> -Butyl Ether by Solvent Extraction with a Hyperbranched Polymer at $T = 298.15$ K. Journal of Chemical & Engineering Data, 2010, 55, 2879-2885.	1.9	19
168	Liquid-liquid separation of hex-1-ene from hexane and cyclohexene from cyclohexane with ionic liquids. Journal of Chemical Thermodynamics, 2017, 108, 127-135.	2.0	19
169	Influence of size and shape effects on the high-pressure solubility of n-alkanes: Experimental data, correlation and prediction. Journal of Chemical Thermodynamics, 2005, 37, 1276-1287.	2.0	18
170	Extension of modified UNIFAC (Dortmund) matrix to piperidinium ionic liquids. Fluid Phase Equilibria, 2013, 353, 115-120.	2.5	18
171	Phase equilibria and excess molar enthalpies study of the binary systems (pyrrole+hydrocarbon, or an) Tj ETQq1 1 0,784314 rgBT /Over	2.5	18
172	Separation of ethylbenzene/styrene systems using ionic liquids in ternary LLE. Journal of Chemical Thermodynamics, 2016, 103, 423-431.	2.0	18
173	An effect of cation functionalization on thermophysical properties of ionic liquids and solubility of glucose in them – Measurements and PC-SAFT calculations. Journal of Chemical Thermodynamics, 2016, 92, 81-90.	2.0	18
174	Ternary LLE measurements for the separation of hex-1-ene/hexane and cyclohexene/cyclohexane compounds with [DCA]-based ionic liquids. Fluid Phase Equilibria, 2018, 462, 65-72.	2.5	18
175	Thermodynamic study of molecular interaction-selectivity in separation processes based on limiting activity coefficients. Journal of Chemical Thermodynamics, 2018, 121, 112-120.	2.0	18
176	Liquid~Liquid Equilibria for Mixtures of (Furfuryl Alcohol + an Aromatic Hydrocarbon + an Alkane) at $T = 298.15$ K. Journal of Chemical & Engineering Data, 2002, 47, 1453-1456.	1.9	17
177	Ammonium ionic liquids in separation of water/butan-1-ol using liquid-liquid equilibrium diagrams in ternary systems. Fluid Phase Equilibria, 2019, 485, 23-31.	2.5	17
178	Separation of thiophene from octane/hexadecane with ionic liquids in ternary liquid-liquid phase equilibrium. Fluid Phase Equilibria, 2020, 509, 112467.	2.5	17
179	Measurements of mass-fraction activity coefficient at infinite dilution of aliphatic and aromatic hydrocarbons, thiophene, alcohols, water, ethers, and ketones in hyperbranched polymer, Boltorn H2004, using inverse gas chromatography. Journal of Chemical Thermodynamics, 2010, 42, 363-370.	2.0	16
180	Thermodynamics of organic mixtures containing amines. X. Phase equilibria for binary systems formed by imidazoles and hydrocarbons: Experimental data and modelling using DISQUAC. Journal of Chemical Thermodynamics, 2010, 42, 545-552.	2.0	16

#	ARTICLE	IF	CITATIONS
181	Solubility of ionic liquids in 2-phenylethanol (PEA) and water. <i>Fluid Phase Equilibria</i> , 2014, 376, 55-63.	2.5	16
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.	2.5	16
183	Separation of 2-phenylethanol (PEA) from water using ionic liquids. <i>Fluid Phase Equilibria</i> , 2016, 423, 109-119.	2.5	16
184	Separation of binary mixtures hexane/hex-1-ene, cyclohexane/cyclohexene and ethylbenzene/styrene based on gamma infinity data measurements. <i>Journal of Chemical Thermodynamics</i> , 2018, 118, 244-254.	2.0	16
185	[DCA]-based ionic liquids for the extraction of sulfur and nitrogen compounds from fuels: Activity coefficients at infinite dilution. <i>Fluid Phase Equilibria</i> , 2020, 507, 112424.	2.5	16
186	Surface and conductivity properties of imidazoles solutions. <i>Chemical Physics</i> , 2002, 285, 355-370.	1.9	15
187	Heat Capacity, Excess Molar Volumes and Viscosity Deviation of Binary Systems of N-octylisoquinolinium bis{(trifluoromethyl)sulfonyl}imide Ionic Liquid. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 217-238.	2.8	15
188	Separation of water/butan-1-ol based on activity coefficients at infinite dilution in 1,3-didecyl-2-methylimidazolium dicyanamide ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 316-322.	2.0	15
189	Thermodynamics and activity coefficients at infinite dilution for organic solutes in the ionic liquid 1-butyl-1-methylpyrrolidinium dicyanamide. <i>Fluid Phase Equilibria</i> , 2018, 473, 175-182.	2.5	15
190	CXCR4 and CXCL12 Expression in Rectal Tumors of Stage IV Patients Before and After Local Radiotherapy and Systemic Neoadjuvant Treatment. <i>Current Pharmaceutical Design</i> , 2015, 21, 2276-2283.	1.9	15
191	High pressure investigations of (n-alkanes+ether) mixtures. Electronic supplementary information (ESI) available: Experimental liquid-solid equilibrium pressures and interpolated solid-liquid equilibrium temperatures for hydrocarbon (1)+MTBE (2). See <a href="http://www.rsc.org/suppdata/cp/b2/b200711h/Presented">http://www.rsc.org/suppdata/cp/b2/b200711h/Presented</a> at the ESAT 2000, 18th European Seminar on Applied Thermodynamics, June 8-11 2000, Kutná Hora, Czech Republic. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2264-2268.	2.8	14
192	Solubility and pKa determination of six structurally related phenothiazines. <i>International Journal of Pharmaceutics</i> , 2011, 421, 135-144.	5.2	14
193	Phase equilibrium and bioproduction of the aroma compound 2-phenylethanol in a biphasic aqueous system. <i>European Food Research and Technology</i> , 2015, 240, 1177-1186.	3.3	14
194	Ammonium ionic liquids in extraction of bio-butan-1-ol from water phase using activity coefficients at infinite dilution. <i>Fluid Phase Equilibria</i> , 2019, 479, 9-16.	2.5	14
195	Solubility of perfumery and fragrance raw materials based on cyclohexane in 1-octanol under ambient and high pressures up to 900 MPa. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 710-717.	2.0	13
196	Thermodynamic properties of the N-octylquinolinium bis{(trifluoromethyl)sulfonyl}imide. <i>Journal of Chemical Thermodynamics</i> , 2012, 48, 276-283.	2.0	13
197	Aggregation of nanoparticles in aqueous solutions of ionic liquids. <i>Journal of Molecular Liquids</i> , 2013, 186, 1-6.	4.9	13
198	The physicochemical properties and solubility of pharmaceuticals - Methyl xanthines. <i>Journal of Chemical Thermodynamics</i> , 2014, 79, 41-48.	2.0	13

#	ARTICLE	IF	CITATIONS
199	Thermodynamic Study of Molecular Interactions in Eutectic Mixtures Containing Camphene. Journal of Physical Chemistry B, 2016, 120, 12928-12936.	2.6	13
200	COSMO-RS screening for ionic liquid to be applied in extraction of 2-phenylethanol from aqueous solutions. Journal of Molecular Liquids, 2018, 271, 305-312.	4.9	13
201	Ternary liquid-liquid phase equilibria of {ionic liquid+thiophene+octane/hexadecane}. Journal of Chemical Thermodynamics, 2019, 134, 157-163.	2.0	13
202	Measurements and equation-of-state modelling of thermodynamic properties of binary mixtures of 1-butyl-1-methylpyrrolidinium tetracyanoborate ionic liquid with molecular compounds. Journal of Chemical Thermodynamics, 2015, 90, 317-326.	2.0	12
203	Thermodynamic Properties of Hyperbranched Polymer, Boltorn U3000, Using Inverse Gas Chromatography. Journal of Physical Chemistry B, 2009, 113, 15312-15321.	2.6	11
204	Mass-Fraction Activity Coefficients at Infinite Dilution Measurements for Organic Solutes and Water in the Hyperbranched Polymer Boltorn W3000 Using Inverse Gas Chromatography. Journal of Chemical & Engineering Data, 2010, 55, 1258-1265.	1.9	11
205	Phase equilibrium study of the binary systems (N-hexyl-3-methylpyridinium tosylate ionic liquid +) Tj ETQq1 1 0.784314 rgBT /Overloc	2.0	11
206	Solubility of pharmaceuticals in water and alcohols. Fluid Phase Equilibria, 2015, 392, 56-64.	2.5	11
207	Extraction of 2-phenylethanol (PEA) from aqueous phases using tetracyanoborate-based ionic liquids. Journal of Molecular Liquids, 2016, 224, 1124-1130.	4.9	11
208	Designing eutectic mixtures for the extraction of 2-phenylethanol (PEA) from aqueous phase. Fluid Phase Equilibria, 2017, 447, 84-94.	2.5	11
209	Vapor-Liquid Equilibrium Data for Binary Systems of 1-H-Pyrrole with Butan-1-ol, Propan-1-ol, or Pentan-1-ol. Journal of Chemical & Engineering Data, 2012, 57, 2520-2527.	1.9	10
210	Extraction of Nitrofurantoin Using Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 1894-1898.	1.9	10
211	Phase behavior of tricyanomethanide-based ionic liquids with alcohols and hydrocarbons. Fluid Phase Equilibria, 2015, 387, 18-23.	2.5	10
212	Investigation on the ethylbenzene/styrene separation efficiency with ionic liquids in liquid-liquid extraction. Chemical Engineering Research and Design, 2017, 128, 214-220.	5.6	10
213	New ionic liquid [P4,4,4,4][NTf2] in bio-butanol extraction on investigation of limiting activity coefficients. Fluid Phase Equilibria, 2018, 475, 89-94.	2.5	10
214	The use of ionic liquids for separation of binary hydrocarbons mixtures based on gamma infinity data measurements. Journal of Chemical Thermodynamics, 2018, 127, 95-105.	2.0	10
215	Liquid-Liquid Equilibria for Mixtures of (Furfural + a Chlorinated Aromatic Compound + an Alkane) at T=298.15 K. Journal of Chemical & Engineering Data, 2003, 48, 822-826.	1.9	9
216	pH Measurements of 1-alkyl-3-methylimidazolium chloride in alcohols. Green Chemistry, 2004, 6, 299-303.	9.0	9

#	ARTICLE	IF	CITATIONS
217	Solid-Liquid Phase Equilibria of 1-Decanol and 1-Dodecanol with Fragrance Raw Materials Based on Cyclohexane. Journal of Chemical & Engineering Data, 2009, 54, 1271-1276.	1.9	9
218	Experimental solid-liquid phase equilibria of {cholesterol+binary solvent mixture: 1-Alcohol (C <sub>4</sub> -C <sub>10</sub> )+cyclohexane}. Fluid Phase Equilibria, 2010, 289, 20-31.	2.5	9
219	Physico-Chemical Properties and Phase Behavior of the Ionic Liquid- $\beta$ -Cyclodextrin Complexes. International Journal of Molecular Sciences, 2013, 14, 16638-16655.	4.1	9
220	Selecting Critical Properties of Terpenes and Terpenoids through Group-Contribution Methods and Equations of State. Industrial & Engineering Chemistry Research, 2017, 56, 9895-9905.	3.7	9
221	Evaluation and correlation of separation heptane/ethanol with ionic liquids. Ternary liquid-liquid phase equilibrium data. Journal of Molecular Liquids, 2018, 255, 504-512.	4.9	9
222	Solubility of hyperbranched polymer, Boltorn W-3000, in alcohols, ethers and hydrocarbons. Journal of Chemical Thermodynamics, 2010, 42, 1304-1309.	2.0	8
223	Effect of Temperature and Composition on the Surface Tension and Thermodynamic Properties of Binary Mixtures of Boltorn U3000 with Alcohols and Ether. Journal of Solution Chemistry, 2010, 39, 864-876.	1.2	8
224	Phase equilibria study of binary systems comprising an (ionic liquid+hydrocarbon). Journal of Chemical Thermodynamics, 2015, 83, 90-96.	2.0	8
225	Separation of water/butan-1-ol with ionic liquids in ternary liquid-liquid phase equilibrium. Journal of Chemical Thermodynamics, 2019, 134, 76-83.	2.0	8
226	Temperature and composition dependence of the density and viscosity of binary mixtures of (1-decanol) Tj ETQq0 0.0 rgBT /Qverlock 10	2.7	7
227	Prediction of the solubility of selected pharmaceuticals in water and alcohols with a group contribution method. Journal of Chemical Thermodynamics, 2013, 62, 118-129.	2.0	7
228	Phase Diagrams in Representative Terpenoid Systems: Measurements and Calculations with Leading Thermodynamic Models. Industrial & Engineering Chemistry Research, 2017, 56, 9753-9761.	3.7	7
229	Physico-chemical properties of ionic liquids: Density, viscosity, density at high pressure, surface tension, octan-1-ol/water partition coefficients and thermodynamic models. Fluid Phase Equilibria, 2019, 502, 112304.	2.5	7
230	Liquid-Liquid Equilibria for Mixtures of Diisobutyl Ketone + an Alkanol + Water at 298.15 K. Journal of Chemical & Engineering Data, 1996, 41, 701-706.	1.9	6
231	Surface tension, (solid+liquid) equilibria and (liquid+liquid) equilibria for (iPBu-1+hydrocarbon, or) Tj ETQq1 1 0.784314 rgBT /Qverlock 1	2.5	6
232	Solubility data and modeling for sugar alcohols in ionic liquids. Journal of Chemical Thermodynamics, 2014, 77, 23-30.	2.0	6
233	Effect of Cation Structure in Quinolinium-Based Ionic Liquids on the Solubility in Aromatic Sulfur Compounds or Heptane: Thermodynamic Study on Phase Diagrams. Molecules, 2020, 25, 5687.	3.8	6
234	Effect of the ionic liquids on extraction of aromatic and sulfur compounds from the model petrochemical stream. Fluid Phase Equilibria, 2022, 552, 113296.	2.5	6



#	ARTICLE	IF	CITATIONS
235	(Liquid + liquid) equilibria of binary systems containing hyperbranched polymer Boltorn® H2004 – Experimental study and modelling in terms of lattice-cluster theory. Journal of Chemical Thermodynamics, 2011, 43, 167-171.	2.0	5
236	New high throughput screening method for drug release measurements. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 151-157.	4.3	5
237	Phase Equilibrium Investigation on 2-Phenylethanol in Binary and Ternary Systems: Influence of High Pressure on Density and Solid–Liquid Phase Equilibrium. Journal of Physical Chemistry B, 2018, 122, 6188-6197.	2.6	5
238	Infinite Dilution Activity Coefficients in the Smectic and Isotropic Phases of Tetrafluoroborate-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2021, 66, 2587-2596.	1.9	5
239	Liquid–Liquid Equilibria for Mixtures of Butanal + an Alkanol + Water at 298.15 K. Journal of Chemical & Engineering Data, 1996, 41, 707-712.	1.9	4
240	The Ethylbenzene/Styrene Preferential Separation with Ionic Liquids in Liquid–Liquid Extraction. Journal of Solution Chemistry, 2018, 47, 1578-1596.	1.2	4
241	Experimental study of carbon dioxide gas hydrate formation in the presence of zwitterionic compounds. Journal of Chemical Thermodynamics, 2019, 137, 94-100.	2.0	4
242	Phase Relationships and Thermodynamic Interactions of Isotactic Poly(1-butene) and Organic Solvent Systems. Chemistry - A European Journal, 2005, 11, 776-785.	3.3	3
243	Solubility of fragrance raw materials in water: Experimental study, correlations, and Mod. UNIFAC (Do) predictions. Journal of Chemical Thermodynamics, 2011, 43, 28-33.	2.0	3
244	Extracting capacity of ionic liquids adsorbed at the surface of alumina nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 338, 47-50.	4.7	2
245	Separation of binary mixtures based on limiting activity coefficients data using specific ammonium-based ionic liquid and modelling of thermodynamic functions. Fluid Phase Equilibria, 2018, 460, 155-161.	2.5	2
246	New phase equilibrium data at ambient and high pressure for strongly asymmetric mixtures containing menthol. Journal of Molecular Liquids, 2019, 286, 110819.	4.9	2
247	Liquid-liquid equilibrium studies on the removal of naphthalene / 2-methylnaphthalene / dibenzothiophene from model oil using ionic liquids. Fluid Phase Equilibria, 2022, 556, 113397.	2.5	2
248	Formulation of nimesulide-loaded polylactide/poly(lactic-co-glycolic acid) nanoparticles and the evaluation of release kinetics. Polimery, 2018, 63, 586-593.	0.7	0