

Urszula Domanska

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

247 papers	8,992 citations	56 h-index	76 g-index
251 ext. papers	9,544 ext. citations	3.5 avg, IF	6.79 L-index

#	Paper	IF	Citations
247	Separation of aromatic hydrocarbons from alkanes using ammonium ionic liquid C ₂ N ⁺ Tf ₂ ⁻ at T=298.15K. <i>Fluid Phase Equilibria</i> , 2007 , 259, 173-179	2.5	185
246	Solubility of 1-Alkyl-3-methylimidazolium Hexafluorophosphate in Hydrocarbons. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 451-456	2.8	167
245	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, 1311-24	6.1	156
244	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	2.9	150
243	Vapour-liquid-solid equilibrium of eicosanoic acid in one- and two-component solvents. <i>Fluid Phase Equilibria</i> , 1986 , 26, 201-220	2.5	146
242	Physicochemical properties and solubility of alkyl-(2-hydroxyethyl)-dimethylammonium bromide. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 12124-32	3.4	138
241	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	2.9	135
240	1-Octanol/Water Partition Coefficients of 1-Alkyl-3-methylimidazolium Chloride. <i>Chemistry - A European Journal</i> , 2003 , 9, 3033-3041	4.8	133
239	Effect of the cation and anion of the ionic liquid on desulfurization of model fuels. <i>Fuel</i> , 2014 , 134, 114-125	12.5	124
238	A New Group Contribution Method For Prediction of Density of Pure Ionic Liquids over a Wide Range of Temperature and Pressure. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 591-604	3.9	108
237	Liquid-liquid equilibria in the binary systems (1,3-dimethylimidazolium, or 1-butyl-3-methylimidazolium methylsulfate + hydrocarbons). <i>Green Chemistry</i> , 2006 , 8, 268	10	108
236	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, 11100-5	3.4	99
235	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	95
234	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 333.15) K. <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 1327-1331	2.9	95
233	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	2.9	93
232	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	2.9	90
231	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, 5002-18	3.4	88

230	Phase equilibria study of the binary systems (ionic liquid + thiophene): Desulphurization process. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 1303-1311	2.9	88
229	Liquid-Liquid Equilibria of the Ternary Mixtures with Sulfolane at 303.15 K. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 634-638	2.8	88
228	Solubility of 1-Dodecyl-3-methylimidazolium Chloride in Alcohols (C ₂ -12) <i>Journal of Physical Chemistry B</i> , 2003 , 107, 1858-1863	3.4	87
227	Separation of thiophene from heptane with ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013 , 61, 126-131	2.9	84
226	Activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid 4-methyl-N-butyl-pyridinium bis(trifluoromethylsulfonyl)-imide. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 1350-1355	2.9	84
225	Activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid 1-ethyl-3-methylimidazolium trifluoroacetate. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11984-8	3.4	81
224	Thermophysical properties and thermodynamic phase behavior of ionic liquids. <i>Thermochimica Acta</i> , 2006 , 448, 19-30	2.9	81
223	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. <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 101-111	2.9	79
222	Solubilities and thermophysical properties of ionic liquids. <i>Pure and Applied Chemistry</i> , 2005 , 77, 543-557	2.1	77
221	Temperature and Composition Dependence of the Density and Viscosity of Binary Mixtures of {1-Butyl-3-methylimidazolium Thiocyanate + 1-Alcohols}. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2113-2119	2.8	76
220	Measurements of activity coefficients at infinite dilution in solvent mixtures with thiocyanate-based ionic liquids using GLC technique. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 8460-6	3.4	76
219	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	2.9	74
218	pK _a and solubility of drugs in water, ethanol, and 1-octanol. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 8941-7	3.4	74
217	Density and Viscosity of Binary Mixtures of Thiocyanate Ionic Liquids + Water as a Function of Temperature. <i>Journal of Solution Chemistry</i> , 2012 , 41, 1422-1445	1.8	73
216	Liquid phase behaviour of 1-hexyloxymethyl-3-methyl-imidazolium-based ionic liquids with hydrocarbons: The influence of anion. <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 577-585	2.9	73
215	Limiting activity coefficients and gas-liquid partition coefficients of various solutes in piperidinium ionic liquids: measurements and LSER calculations. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 8207-15	3.4	72
214	Extraction of Metal Ions from Aqueous Solutions Using Imidazolium Based Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2009 , 38, 739-751	1.8	72
213	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. <i>Fluid Phase Equilibria</i> , 2009 , 286, 154-161	2.5	72

212	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}. <i>Fluid Phase Equilibria</i> , 2010 , 294, 72-83	2.5	72
211	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	2.9	71
210	Surface tension of binary mixtures of imidazolium and ammonium based ionic liquids with alcohols, or water: cation, anion effect. <i>Journal of Colloid and Interface Science</i> , 2008 , 322, 342-50	9.3	71
209	Effect of an Ionic Liquid (IL) Cation on the Ternary System (IL + p-Xylene + Hexane) at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2345-2349	2.8	71
208	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	2.9	69
207	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	2.9	69
206	(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	2.9	69
205	Extraction of butan-1-ol from water with ionic liquids at T = 308.15 K. <i>Journal of Chemical Thermodynamics</i> , 2012 , 53, 108-113	2.9	68
204	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	1.8	66
203	Solubility of phosphonium ionic liquid in alcohols, benzene, and alkylbenzenes. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4109-15	3.4	66
202	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	2.9	65
201	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	2.9	65
200	Solubility of 1-Alkyl-3-ethylimidazolium-Based Ionic Liquids in Water and 1-Octanol. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1126-1132	2.8	65
199	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	65
198	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 308.15)K. <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 587-593	2.9	65
197	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	64
196	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 & Engineering Data</i> , 2005 , 50, 1294-1298	2.8	62
195	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, 661-7	9.3	60

194	Separation of Hexane/Ethanol Mixtures. LLE of Ternary Systems (Ionic Liquid or Hyperbranched Polymer + Ethanol + Hexane) at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 972-976	2.8	57
193	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	14.7	56
192	Phase equilibria study of the binary systems (1-butyl-3-methylimidazolium thiocyanate ionic liquid + organic solvent or water). <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6397-404	3.4	56
191	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	2.5	55
190	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, 16542-7	3.4	54
189	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	2.9	52
188	Thermodynamic Phase Behavior of Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1872-1880	2.8	52
187	PLGA biodegradable nanoparticles containing perphenazine or chlorpromazine hydrochloride: effect of formulation and release. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 23909-23	6.3	51
186	Phase equilibria study in binary systems (tetra-n-butylphosphonium tosylate ionic liquid + 1-alcohol, or benzene, or n-alkylbenzene). <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11054-9	3.4	51
185	Phase equilibria and modeling of ammonium ionic liquid, C2NTf2, solutions. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 1218-25	3.4	49
184	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	2.9	48
183	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, 12537-48	3.4	47
182	Solubilities, Partition Coefficients, Density, and Surface Tension for Imidazoles + Octan-1-ol or + Water or + n-Decane. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 456-466	2.8	47
181	Gas-liquid chromatography measurements of activity coefficients at infinite dilution of various organic solutes and water in tri-iso-butylmethylphosphonium tosylate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 707-711	2.9	46
180	Separation of sulfur compounds from alkanes with 1-alkylcyanopyridinium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 69, 27-35	2.9	45
179	Extraction desulfurization process of fuels with ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 77, 40-45	2.9	45
178	Phase equilibria study of the binary systems (1-butyl-3-methylimidazolium tosylate ionic liquid+water, or organic solvent). <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 355-362	2.9	45
177	Experimental and theoretically study of interaction between organic compounds and tricyanomethanide based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015 , 85, 49-56	2.9	44

176	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	14.7	44
175	Physico-chemical properties and phase behaviour of piperidinium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2011 , 303, 1-9	2.5	44
174	Phase Equilibria of (1-Hexyl-3-methylimidazolium Thiocyanate + Water, Alcohol, or Hydrocarbon) Binary Systems. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 773-777	2.8	44
173	Separation Based on Limiting Activity Coefficients of Various Solutes in 1-Allyl-3-methylimidazolium Dicyanamide Ionic Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 5054-5062	3.9	43
172	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 & Engineering Data</i> , 2006 , 51, 213-218	2.8	43
171	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 Ethyl 1,1-Dimethylpropyl Ether). <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 974-984	2.8	43
170	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	2.9	41
169	Phase Equilibria of (1-Ethyl-3-methylimidazolium Ethylsulfate + Hydrocarbon, + Ketone, and + Ether) Binary Systems. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 498-502	2.8	41
168	Solubility of ethyl-(2-hydroxyethyl)-dimethylammonium bromide in alcohols (C ₂ -C ₁₂). <i>Fluid Phase Equilibria</i> , 2005 , 233, 220-227	2.5	41
167	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	8.3	40
166	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	2.9	40
165	Activity Coefficients at Infinite Dilution Measurements for Organic Solutes and Water in the Ionic Liquid 1-Hexyl-3-methylimidazolium Thiocyanate. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2532-2536	2.8	40
164	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, 313.15, and 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1243-1247	2.9	40
163	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	39
162	Determination of Activity Coefficients at Infinite Dilution of Solutes in the Ionic Liquid, Trihexyltetradecylphosphonium Bis(trifluoromethylsulfonyl) Imide, Using Gas/Liquid Chromatography at T = (303.15, 308.15, 313.15, and 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2044-2049	2.8	39
161	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	2.9	39
160	Excess enthalpies of mixing of piperidinium ionic liquids with short-chain alcohols: measurements and PC-SAFT modeling. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3884-91	3.4	38
159	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	2.9	37

158	Determination of thermodynamic properties of isotactic poly(1-butene) at infinite dilution using density and inverse gas chromatography. <i>Journal of Chromatography A</i> , 2005 , 1068, 297-305	4.5	37
157	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	5.1	36
156	Measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-ethyl-3-methylimidazolium methanesulfonate. <i>Journal of Chemical Thermodynamics</i> , 2012 , 54, 20-27	2.9	36
155	Liquid phase behaviour of 1-butyl-3-methylimidazolium 2-(2-methoxyethoxy)-ethylsulfate with organic solvents and water. <i>Green Chemistry</i> , 2007 , 9, 262-266	10	36
154	Phase Equilibria of an Ammonium Ionic Liquid with Organic Solvents and Water. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 309-314	2.8	36
153	Effect of the alkyl side chain of the 1-alkylpiperidinium-based ionic liquids on desulfurization of fuels. <i>Journal of Chemical Thermodynamics</i> , 2014 , 72, 31-36	2.9	35
152	Physico-chemical properties and phase behaviour of pyrrolidinium-based ionic liquids. <i>International Journal of Molecular Sciences</i> , 2010 , 11, 1825-41	6.3	35
151	Phase Equilibria Study of the Binary Systems (N-Butyl-4-methylpyridinium Tosylate Ionic Liquid + Organic Solvent, or Water). <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1435-1441	2.8	34
150	High pressure (solid+liquid) equilibria of n-alkane mixtures: experimental results, correlation and prediction. <i>Fluid Phase Equilibria</i> , 2005 , 230, 72-80	2.5	34
149	Estimation of extraction properties of new imidazolid anion based ionic liquids on the basis of activity coefficient at infinite dilution measurements. <i>Separation and Purification Technology</i> , 2013 , 118, 242-254	8.3	33
148	Ammonium ionic liquid as modulator of the critical micelle concentration of ammonium surfactant at aqueous solution: conductimetric and dynamic light scattering (DLS) studies. <i>Journal of Colloid and Interface Science</i> , 2007 , 314, 643-50	9.3	33
147	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. <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 692-704	2.9	33
146	Phase equilibria study of the binary systems (N-butyl-3-methylpyridinium tosylate ionic liquid + an alcohol). <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 932-938	2.9	32
145	Gamma infinity data for the separation of water-butan-1-ol mixtures using ionic liquids. <i>Separation and Purification Technology</i> , 2016 , 162, 162-170	8.3	32
144	Physicochemical properties and activity coefficients at infinite dilution for organic solutes and water in a novel bicyclic guanidinium superbase-derived protic ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2013 , 58, 62-69	2.9	31
143	Perturbed-chain SAFT as a versatile tool for thermodynamic modeling of binary mixtures containing isoquinolinium ionic liquids. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 8191-200	3.4	31
142	Modelling, solubility and pK(a) of five sparingly soluble drugs. <i>International Journal of Pharmaceutics</i> , 2011 , 403, 115-22	6.5	31
141	Solubility of Benzimidazoles in Alcohols. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 951-956	2.8	30

140	Thermodynamics and limiting activity coefficients measurements for organic solutes and water in the ionic liquid 1-dodecyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide. <i>Journal of Chemical Thermodynamics</i> , 2016 , 103, 76-85	2.9	30
139	Separation of binary mixtures based on gamma infinity data using [EMIM][TCM] ionic liquid and modelling of thermodynamic functions. <i>Journal of Molecular Liquids</i> , 2017 , 225, 382-390	6	29
138	Solubility of sparingly soluble drug derivatives of anthranilic acid. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 2547-54	3.4	29
137	Solubility and pKa of select pharmaceuticals in water, ethanol, and 1-octanol. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1465-1472	2.9	29
136	Recovery of an antidepressant from pharmaceutical wastes using ionic liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , 2016 , 18, 3527-3536	10	28
135	Heterosegmented Perturbed-Chain Statistical Associating Fluid Theory as a Robust and Accurate Tool for Modeling of Various Alkanes. 1. Pure Fluids. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 12967-12983	3.9	28
134	Phase behaviour of 1-butyl-1-methylpyrrolidinium thiocyanate ionic liquid. <i>Fluid Phase Equilibria</i> , 2011 , 308, 55-63	2.5	28
133	Phase equilibria of didecyldimethylammonium nitrate ionic liquid with water and organic solvents. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 729-736	2.9	28
132	Separation of pyridine from heptane with tricyanomethanide-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2015 , 395, 9-14	2.5	27
131	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. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 543-51	3.4	27
130	Renewable feedstocks in green solvents: thermodynamic study on phase diagrams of D-sorbitol and xylitol with dicyanamide based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 7034-46	3.4	27
129	Separation of 2-Phenylethanol from Water by Liquid-Liquid Extraction with Ionic Liquids: New Experimental Data and Modeling with Modern Thermodynamic Tools. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 5736-5747	3.9	27
128	Separation of binary mixtures hexane/hex-1-ene, cyclohexane/cyclohexene and ethylbenzene/styrene based on limiting activity coefficients. <i>Journal of Chemical Thermodynamics</i> , 2017 , 110, 227-236	2.9	26
127	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}. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 12692-705	3.4	26
126	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	2.9	26
125	Phase equilibria and modeling of pyridinium-based ionic liquid solutions. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 15011-7	3.4	26
124	Density, Viscosity and Surface Tension of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tricyanomethanide with Benzothiophene. <i>Journal of Solution Chemistry</i> , 2014 , 43, 1929-1946	1.8	25
123	Influence of high pressure on solubility of ionic liquids: experimental data and correlation. <i>Green Chemistry</i> , 2007 , 9, 361-368	10	25

122	Activity coefficients at infinite dilution for organic solutes and water in 1-ethyl-1-methylpyrrolidinium lactate. <i>Journal of Chemical Thermodynamics</i> , 2015 , 89, 127-133	2.9	24
121	Thermodynamic properties of the N-butylisoquinolinium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 989-995	2.9	24
120	A 1-alkylcyanopyridinium-based ionic liquid in the separation processes. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 253-260	2.9	23
119	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	2.9	23
118	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	2.9	23
117	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	2.9	23
116	Excess Molar Enthalpies and Volumes of Diethylamine or Dipropylamine + an Ether at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 274-285	2.8	23
115	Recovery of 2-phenylethanol from aqueous solutions of biosynthesis using ionic liquids. <i>Separation and Purification Technology</i> , 2017 , 188, 530-538	8.3	22
114	Effect of 2-hydroxypropyl- β -cyclodextrin on solubility of sparingly soluble drug derivatives of anthranilic acid. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 2383-94	6.3	22
113	High selective water/butan-1-ol separation on investigation of limiting activity coefficients with [P 8,8,8] [NTf 2] ionic liquid. <i>Fluid Phase Equilibria</i> , 2017 , 449, 1-9	2.5	21
112	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	2.9	21
111	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	5.1	21
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96	Separation of hex-1-ene/hexane and cyclohexene/cyclohexane compounds with [EMIM]-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2016 , 427, 421-428	2.5	19
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89	Extension of modified UNIFAC (Dortmund) matrix to piperidinium ionic liquids. <i>Fluid Phase Equilibria</i> , 2013 , 353, 115-120	2.5	18
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