

Maciej Zawadzki

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57
papers

1,175
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21
h-index

31
g-index

58
ext. papers

1,283
ext. citations

3.9
avg, IF

4.9
L-index

#	Paper	IF	Citations
57	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
56	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
55	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
54	Physicochemical and thermodynamic study on aqueous solutions of dicyanamide based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 70, 127-137	2.9	44
53	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
52	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
51	Phase equilibria study of (ionic liquid + water) binary mixtures. <i>Fluid Phase Equilibria</i> , 2013 , 354, 66-74	2.5	36
50	Estimation of extraction properties of new imidazolidine 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
49	Computer-Aided Molecular Design of New Task-Specific Ionic Liquids for Extractive Desulfurization of Gasoline. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9032-9042	8.3	31
48	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
47	Measurements, Correlations, and Predictions of Thermodynamic Properties of N-Octylisoquinolinium Thiocyanate Ionic Liquid and Its Aqueous Solutions. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 285-293	2.8	30
46	Recovery of an antidepressant from pharmaceutical wastes using ionic liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , 2016 , 18, 3527-3536	10	28
45	Activity coefficients at infinite dilution and physicochemical properties for organic solutes and water in the ionic liquid 4-(3-hydroxypropyl)-4-methylmorpholinium bis(trifluoromethylsulfonyl)-amide. <i>Journal of Chemical Thermodynamics</i> , 2015 , 86, 154-161	2.9	27
44	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
43	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
42	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
41	Thermodynamic properties of the N-butylisoquinolinium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 989-995	2.9	24

40	Phase equilibria study of the binary systems (N-hexylisoquinolinium thiocyanate ionic liquid + organic solvent or water). <i>Journal of Physical Chemistry B</i> , 2012 , 116, 4292-9	3.4	22
39	High selective water/butan-1-ol separation on investigation of limiting activity coefficients with [P 8,8,8,8][NTf 2] ionic liquid. <i>Fluid Phase Equilibria</i> , 2017 , 449, 1-9	2.5	21
38	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
37	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
36	Phase equilibria study of {N-hexylisoquinolinium bis((trifluoromethyl)sulfonyl)imide + aromatic hydrocarbons or an alcohol} binary systems. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 4003-10	3.4	21
35	Phase equilibria study of {N-butylquinolinium bis((trifluoromethyl)sulfonyl)imide+aromatic hydrocarbons, or an alcohol} binary systems. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1180-1186	2.9	21
34	Preparation and performance of gel polymer electrolytes doped with ionic liquids and surface-modified inorganic fillers. <i>Electrochimica Acta</i> , 2014 , 121, 337-344	6.7	20
33	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	2.9	20
32	Physicochemical and thermodynamic properties of the {1-alkyl-1-methylmorpholinium bromide, [C1Cn=3,4,5MOR]Br, or 1-methyl-1-pentylpiperidinium bromide, [C1C5PIP]Br+water} binary systems. <i>Journal of Chemical Thermodynamics</i> , 2016 , 98, 324-337	2.9	20
31	Phase equilibrium investigation with ionic liquids and selectivity in separation of 2-phenylethanol from water. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 357-366	2.9	20
30	Lithium cation conducting TDI anion-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11417-25	3.6	19
29	Extraction of 2-Phenylethanol (PEA) from Aqueous Solution Using Ionic Liquids: Synthesis, Phase Equilibrium Investigation, Selectivity in Separation, and Thermodynamic Models. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 7689-7698	3.4	19
28	The influence of bromide-based ionic liquids on solubility of {LiBr (1) + water (2)} system. Experimental (solid + liquid) phase equilibrium data. Part 2. <i>Journal of Molecular Liquids</i> , 2018 , 265, 316-326	6	17
27	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	2.9	16
26	Physicochemical and thermodynamic characterization of N-alkyl-N-methylpyrrolidinium bromides and its aqueous solutions. <i>Thermochimica Acta</i> , 2014 , 589, 148-157	2.9	16
25	API-ammonium ionic liquid [Polymer compounds as a potential tool for delivery systems. <i>Journal of Molecular Liquids</i> , 2017 , 248, 972-980	6	16
24	Thermodynamics of mixtures containing polycyclic aromatic hydrocarbons. <i>Journal of Molecular Liquids</i> , 2008 , 143, 134-140	6	16
23	Ternary mixtures of ionic liquids for better salt solubility, conductivity and cation transference number improvement. <i>Scientific Reports</i> , 2016 , 6, 35587	4.9	15

22	Phase equilibria and excess molar enthalpies study of the binary systems (pyrrole+hydrocarbon, or an alcohol) and modeling. <i>Fluid Phase Equilibria</i> , 2014 , 361, 116-129	2.5	15
21	Polymer Ionic liquid [Pharmaceutical conjugates as drug delivery systems. <i>Journal of Molecular Structure</i> , 2019 , 1180, 573-584	3.4	15
20	Thermodynamics of organic mixtures containing amines. X. Phase equilibria for binary systems formed by imidazoles and hydrocarbons: Experimental data and modelling using DISQUAC. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 545-552	2.9	14
19	(Vapor-liquid) phase equilibria of an aqueous solution of bromide-based ionic liquids – measurements, correlations and application to absorption cycles. <i>Fluid Phase Equilibria</i> , 2019 , 494, 201-217	2.5	13
18	Ternary LLE measurements for the separation of hex-1-ene/hexane and cyclohexene/cyclohexane compounds with [DCA]-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2018 , 462, 65-72	2.5	13
17	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	2.9	13
16	Thermodynamic properties of the N-octylquinolinium bis((trifluoromethyl)sulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 276-283	2.9	12
15	Transport properties and thermodynamic characterization of aqueous solutions of morpholinium - based ionic liquids. <i>Journal of Molecular Liquids</i> , 2018 , 251, 358-368	6	11
14	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	3.1	11
13	Physicochemical properties of tri(butyl)ethylphosphonium diethylphosphate aqueous mixtures. <i>Journal of Molecular Liquids</i> , 2018 , 249, 153-159	6	11
12	Thermodynamics of organic mixtures containing amines. VIII. Systems with quinoline. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1261-1268	2.9	10
11	Separation of organosulfur compounds from heptane by liquid-liquid extraction with tricyanomethanide based ionic liquids. Experimental data and NRTL correlation. <i>Journal of Chemical Thermodynamics</i> , 2020 , 149, 106149	2.9	10
10	Physicochemical and thermodynamic properties of the {1-alkyl-1-methylpiperidinium bromide [C1C=2,4PIP][Br], or 1-butylpyridinium bromide, [C4Py][Br], or tri(ethyl)butylammonium bromide [N2,2,2,4][Br] + water} binary systems. <i>Thermochimica Acta</i> , 2019 , 671, 220-231	2.9	10
9	Vapor-Liquid Equilibrium Data for Binary Systems of 1H-Pyrrole with Butan-1-ol, Propan-1-ol, or Pentan-1-ol. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2520-2527	2.8	8
8	Phase Equilibria of (Pyrrole + Benzene, Cyclohexane, and Hexane) and Density of (Pyrrole + Benzene and Cyclohexane) Binary Systems – <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5413-5421	2.8	8
7	New ionic liquid [P4,4,4,4][NTf2] in bio-butanol extraction on investigation of limiting activity coefficients. <i>Fluid Phase Equilibria</i> , 2018 , 475, 89-94	2.5	7
6	The experimental study on influence of zwitterionic compounds on solubility of lithium bromide in water. <i>Fluid Phase Equilibria</i> , 2018 , 475, 18-24	2.5	7
5	Vapor Pressure and Physicochemical Properties of {LiBr + IL-Based Additive + Water} Mixtures: Experimental Data and COSMO-RS Predictions. <i>Journal of Solution Chemistry</i> , 2021 , 50, 473-502	1.8	4

4	COSMO-RS predicted 1-octanol/water partition coefficient as useful ion descriptor for predicting phase behavior of aqueous solutions of ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 307, 112914	6	2
3	Solubility data of zwitterions in water. <i>Fluid Phase Equilibria</i> , 2018 , 475, 1-9	2.5	2
2	New Experimental Data on Thermodynamic Properties of the Aqueous Solution of N,N-Diethyl-N-methylammonium Bromide and N,N-Diethyl-N-methylammonium Methanesulfonate. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2281-2294	2.8	1
1	3D reactive inkjet printing of aliphatic polyureas using in-air coalescence technique.. <i>RSC Advances</i> , 2022 , 12, 3406-3415	3.7	0