

Maciej Zawadzki

List of Publications by Year in descending order

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58
papers

1,388
citations

346980

22
h-index

445137

33
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58
all docs

58
docs citations

58
times ranked

1159
citing authors

#	ARTICLE	IF	CITATIONS
1	3D reactive inkjet printing of aliphatic polyureas using in-air coalescence technique. RSC Advances, 2022, 12, 3406-3415.	1.7	9
2	Removal of Perfluorooctanoic Acid from Water Using a Hydrophobic Ionic Liquid Selected Using the Conductor-like Screening Model for Realistic Solvents. Environmental Science & Technology, 2022, 56, 6445-6454.	4.6	7
3	Vapor Pressure and Physicochemical Properties of {LiBr+IL-Based Additive+Water} Mixtures: Experimental Data and COSMO-RS Predictions. Journal of Solution Chemistry, 2021, 50, 473-502.	0.6	9
4	New Experimental Data on Thermodynamic Properties of the Aqueous Solution of Diethyl-diethyl-methylammonium Bromide and Diethyl-diethyl-methylammonium Methanesulfonate. Journal of Chemical & Engineering Data, 2021, 66, 2281-2294.	1.0	4
5	COSMO-RS predicted 1-octanol/water partition coefficient as useful ion descriptor for predicting phase behavior of aqueous solutions of ionic liquids. Journal of Molecular Liquids, 2020, 307, 112914.	2.3	7
6	Separation of organosulfur compounds from heptane by liquid-liquid extraction with tricyanomethanide based ionic liquids. Experimental data and NRTL correlation. Journal of Chemical Thermodynamics, 2020, 149, 106149.	1.0	17
7	(Vapor+ liquid) phase equilibria of an aqueous solution of bromide-based ionic liquids measurements, correlations and Application to absorption cycles. Fluid Phase Equilibria, 2019, 494, 201-211.	1.4	24
8	Polymer Ionic liquid Pharmaceutical conjugates as drug delivery systems. Journal of Molecular Structure, 2019, 1180, 573-584.	1.8	25
9	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. Thermochemica Acta, 2019, 671, 220-231.	1.2	14
10	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.	1.4	18
11	Transport properties and thermodynamic characterization of aqueous solutions of morpholinium - based ionic liquids. Journal of Molecular Liquids, 2018, 251, 358-368.	2.3	13
12	Separation of binary mixtures hexane/hex-1-ene, cyclohexane/cyclohexene and ethylbenzene/styrene based on gamma infinity data measurements. Journal of Chemical Thermodynamics, 2018, 118, 244-254.	1.0	16
13	Separation of water/butan-1-ol based on activity coefficients at infinite dilution in 1,3-didecyl-2-methylimidazolium dicyanamide ionic liquid. Journal of Chemical Thermodynamics, 2018, 116, 316-322.	1.0	15
14	Liquid-liquid separation of hexane/hex-1-ene and cyclohexane/cyclohexene by dicyanamide-based ionic liquids. Journal of Chemical Thermodynamics, 2018, 116, 299-308.	1.0	26
15	Studying of drug solubility in water and alcohols using drug-ammonium ionic liquid-compounds. European Journal of Pharmaceutical Sciences, 2018, 111, 270-277.	1.9	25
16	Physicochemical properties of tri(butyl)ethylphosphonium diethylphosphate aqueous mixtures. Journal of Molecular Liquids, 2018, 249, 153-159.	2.3	12
17	Solubility data of zwitterions in water. Fluid Phase Equilibria, 2018, 475, 1-9.	1.4	2
18	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.	1.4	10

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19	The experimental study on influence of zwitterionic compounds on solubility of lithium bromide in water. <i>Fluid Phase Equilibria</i> , 2018, 475, 18-24.	1.4	7
20	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.	2.3	19
21	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.	1.4	22
22	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.	1.0	29
23	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.	1.2	22
24	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.	3.2	39
25	API-ammonium ionic liquid ⁺ Polymer compounds as a potential tool for delivery systems. <i>Journal of Molecular Liquids</i> , 2017, 248, 972-980.	2.3	21
26	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.	1.0	24
27	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.	1.0	22
28	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.	1.0	21
29	Ternary mixtures of ionic liquids for better salt solubility, conductivity and cation transference number improvement. <i>Scientific Reports</i> , 2016, 6, 35587.	1.6	19
30	Recovery of an antidepressant from pharmaceutical wastes using ionic liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , 2016, 18, 3527-3536.	4.6	35
31	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.	1.0	30
32	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.	1.0	33
33	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
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.	2.6	24
35	Phase equilibria and excess molar enthalpies study of the binary systems (pyrrole+hydrocarbon, or an) Tj ETQq1 1 0,784314 rgBT /Overl 1.4 18	1.4	18
36	Physicochemical and thermodynamic study on aqueous solutions of dicyanamide ⁺ based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 70, 127-137.	1.0	51

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37	Lithium cation conducting TDI anion-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11417-11425.	1.3	21
38	Physicochemical and thermodynamic characterization of N -alkyl- N -methylpyrrolidinium bromides and its aqueous solutions. <i>Thermochimica Acta</i> , 2014, 589, 148-157.	1.2	18
39	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.	3.9	36
40	Phase equilibria study of (ionic liquid + water) binary mixtures. <i>Fluid Phase Equilibria</i> , 2013, 354, 66-74.	1.4	36
41	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.	1.0	32
42	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
43	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.	1.4	15
44	Phase Equilibria Study of the Binary Systems (N-Hexylisoquinolinium Thiocyanate Ionic Liquid +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.2	28
45	Vapor-Liquid Equilibrium Data for Binary Systems of 1-H-Pyrrole with Butan-1-ol, Propan-1-ol, or Pentan-1-ol. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2520-2527.	1.0	10
46	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, 8191-8200.	1.2	32
47	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
48	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.	1.0	91
49	Thermodynamic properties of the N-octylquinolinium bis{(trifluoromethyl)sulfonyl}imide. <i>Journal of Chemical Thermodynamics</i> , 2012, 48, 276-283.	1.0	13
50	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, 4003-4010.	1.2	22
51	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
52	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.	1.0	27
53	Thermodynamic properties of the N-butylisoquinolinium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 989-995.	1.0	24
54	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.	1.0	16

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55	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.	1.0	21
56	Phase Equilibria of (Pyrrole + Benzene, Cyclohexane, and Hexane) and Density of (Pyrrole + Benzene) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	1.0	9
57	Thermodynamics of organic mixtures containing amines. VIII. Systems with quinoline. Journal of Chemical Thermodynamics, 2008, 40, 1261-1268.	1.0	12
58	Thermodynamics of mixtures containing polycyclic aromatic hydrocarbons. Journal of Molecular Liquids, 2008, 143, 134-140.	2.3	21