Marta KrÃ³likowska

List of Publications by Year
in descending order

60 papers	1,513 citations	304701 22 h-index	330122 37 g-index
61 all docs	61 docs citations	61 times ranked	936 citing authors

#	Article	IF	Citations
1	Physicochemical characterization and activity coefficients at infinite dilution of molecular compound in poly(ethylene glycol)dimethyl ether and the eutectic mixture composed of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over		
2	Thermodynamic Properties of {Diethyl Phosphate-Based Ionic Liquid (1) + Ethanol (2)} Systems, Experimental Data and Correlation. Journal of Chemical & Engineering Data, 2022, 67, 869-885.	1.9	10
3	Vapor Pressure and Physicochemical Properties of {LiBrâ€‰+â€‰IL-Based Additiveâ€‰+â€‰Water} Mixtures: Experimental Data and COSMO-RS Predictions. Journal of Solution Chemistry, 2021, 50, 473-502.	1.2	9
4	New Experimental Data on Thermodynamic Properties of the Aqueous Solution of N,N-Diethyl-N-methylammonium Bromide and N,N-Diethyl-N-methylammonium Methanesulfonate. Journal of Chemical & Engineering Data, 2021, 66, 2281-2294.	1.9	4
5	Temperature and Composition Dependence of the Thermodynamic Properties of an Aqueous Solution of 1-Ethyl-3-methylimidazolium Formate and 1-Ethyl-3-methylimidazolium Acetate. Journal of Chemical & Engineering Data, 2021, 66, 3300-3314.	1.9	8
6	Experimental data on the physicochemical and thermodynamic properties of the aqueous lithium bromide modified by the addition of lithium salt. Journal of Chemical Thermodynamics, 2021, 161, 106514.	2.0	4
7	The investigation of the infinite dilution activity coefficients for molecular compounds in 1-(3-hydroxypropyl)-3-methyl-imidazolium thiocyanate. Journal of Chemical Thermodynamics, 2021, 161, 106554.	2.0	13
8	Thermodynamic characterization of {1-ethyl-1-methyl-pyrrolidinium dimethylphosphate, [C1C2PYR][DMP], or 1-hydroxyethyl-1-methylpyrrolidinium dimethylphosphate, [C1C2OHPYR][DMP] (1)Â+Âethanol (2)} binary systems. Fluid Phase Equilibria, 2021, 547, 113175.	2.5	12
9	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
10	Extensive Evaluation of Performance of the COSMO-RS Approach in Capturing Liquidâ€“Liquid Equilibria of Binary Mixtures of Ionic Liquids with Molecular Compounds. Industrial & Engineering Chemistry Research, 2020, 59, 11851-11863.	3.7	17
11	The influence of the ionic liquids functionalization on interaction in binary systems with organic solutes and water â€“ Thermodynamic data of activity coefficients at infinite dilution. Journal of Chemical Thermodynamics, 2020, 147, 106117.	2.0	9
12	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.	4.9	7
13	The study on the influence of glycols on the vapor pressure, density and dynamic viscosity of lithium bromide aqueous solution. Fluid Phase Equilibria, 2020, 519, 112640.	2.5	4
14	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
15	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
16	The influence of structure of ionic liquid containing cyano group on mutual solubility with water. Journal of Chemical Thermodynamics, 2019, 137, 56-61.	2.0	3
17	(VaporÂ+ liquid) phase equilibria of an aqueous solution of bromide-based ionic liquids â€“ measurements, correlations andÂapplication to absorption cycles. Fluid Phase Equilibria, 2019, 494, 201-211.	2.5	24
18	The experimental study on the influence of crown ethers and glycols on the mutual solubility of lithium bromide in water. Fluid Phase Equilibria, 2019, 483, 175-181.	2.5	4

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19	The influence of bromide-based ionic liquids on solubility of {LiBr (1) + water (2)} system. Experimental (solid + liquid) phase equilibrium data. Part 1. Journal of Molecular Liquids, 2019, 273, 606-614.	4.9	12
20	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. Thermochimica Acta, 2019, 671, 220-231.	2.7	14
21	Transport properties and thermodynamic characterization of aqueous solutions of morpholinium - based ionic liquids. Journal of Molecular Liquids, 2018, 251, 358-368.	4.9	13
22	Phase equilibria study on bromide-based ionic liquids with glycols and sulfolane. Experimental data and correlation. Journal of Chemical Thermodynamics, 2018, 122, 142-153.	2.0	5
23	Physicochemical properties of tri(butyl)ethylphosphonium diethylphosphate aqueous mixtures. Journal of Molecular Liquids, 2018, 249, 153-159.	4.9	12
24	Solubility data of zwitterions in water. Fluid Phase Equilibria, 2018, 475, 1-9.	2.5	2
25	The experimental study on influence of zwitterionic compounds on solubility of lithium bromide in water. Fluid Phase Equilibria, 2018, 475, 18-24.	2.5	7
26	The influence of bromide-based ionic liquids on solubility of {LiBr (1)â€¯+â€¯water (2)} system. Experimental (solidâ€¯+â€¯liquid) phase equilibrium data. Part 2. Journal of Molecular Liquids, 2018, 265, 316-326.	4.9	19
27	Effect of Side Chain Functional Group on Interactions in Ionic Liquid Systems: Insights from Infinite Dilution Thermodynamic Data. Journal of Physical Chemistry B, 2017, 121, 10133-10145.	2.6	13
28	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
29	The influence of temperature and composition on the density, viscosity and excess properties of aqueous mixtures of carboxylic-based ionic liquids. Journal of Chemical Thermodynamics, 2017, 109, 71-81.	2.0	24
30	Activity Coefficients at Infinite Dilution of Organic Solutes and Water in Tributylethylphosphonium Diethylphosphate Using Gasâ€“Liquid Chromatography: Thermodynamic Properties of Mixtures Containing Ionic Liquids. Journal of Chemical & Engineering Data, 2016, 61, 1793-1802.	1.9	16
31	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. Journal of Chemical Thermodynamics, 2016, 98, 324-337.	2.0	22
32	Separation of aliphatic from aromatic hydrocarbons and sulphur compounds from fuel based on measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid N,N-diethyl-N-methyl-N-(2-methoxy-ethyl)ammonium bis(trifluoromethylsulfonyl)imide. Journal of Chemical Thermodynamics, 2016, 103, 115-124.	2.0	22
33	Interactions between molecular solutes and task-specific ionic liquid: Measurements of infinite dilution activity coefficients and modeling. Journal of Molecular Liquids, 2016, 221, 235-244.	4.9	18
34	Extraction of aromatic nitrogen compounds from heptane using quinolinium and isoquinolinium based ionic liquids. Fluid Phase Equilibria, 2015, 400, 1-7.	2.5	18
35	The study of activity coefficients at infinite dilution for organic solutes and water in 1-butyl-4-methylpyridinium dicyanamide, [B4MPy][DCA] using GLC. Journal of Chemical Thermodynamics, 2014, 68, 138-144.	2.0	44
36	Density, viscosity and phase equilibria study of {ethylsulfate-based ionic liquid+water} binary systems as a function of temperature and composition. Thermochimica Acta, 2014, 582, 1-9.	2.7	29

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37	Physicochemical and thermodynamic study on aqueous solutions of dicyanamide â€“ based ionic liquids. Journal of Chemical Thermodynamics, 2014, 70, 127-137.	2.0	51
38	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
39	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
40	Vaporâ€“Liquid Phase Equilibria and Excess Thermal Properties of Binary Mixtures of Ethylsulfate-Based Ionic Liquids with Water: New Experimental Data, Correlations, and Predictions. Industrial & Engineering Chemistry Research, 2014, 53, 18316-18325.	3.7	27
41	(Solid+liquid) and (liquid+liquid) phase equilibria of (IL+water) binary systems. The influence of the ionic liquid structure on mutual solubility. Fluid Phase Equilibria, 2014, 361, 273-281.	2.5	41
42	Physicochemical and thermodynamic characterization of N -alkyl- N -methylpyrrolidinium bromides and its aqueous solutions. Thermochimica Acta, 2014, 589, 148-157.	2.7	18
43	Phase equilibria study of the (N-octylisoquinolinium thiocyanate ionic liquid+aliphatic and aromatic) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	14
44	Phase equilibria study of (ionic liquid + water) binary mixtures. Fluid Phase Equilibria, 2013, 354, 66-74.	2.5	36
45	Measurements, Correlations, and Predictions of Thermodynamic Properties of N-Octylisoquinolinium Thiocyanate Ionic Liquid and Its Aqueous Solutions. Journal of Chemical & Engineering Data, 2013, 58, 285-293.	1.9	32
46	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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 504-511.	4.7	43
47	Measurements of activity coefficients at infinite dilution for organic solutes and water in N-hexylisoquinolinium thiocyanate, [HiQuin][SCN] using GLC. Journal of Chemical Thermodynamics, 2013, 62, 1-7.	2.0	23
48	Phase Equilibria Study of the Binary Systems (N-Hexylisoquinolinium Thiocyanate Ionic Liquid +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.6	23
49	Heat capacities and excess enthalpies of the (N-hexylisoquinolinium thiocyanate ionic liquid + water) binary systems. Journal of Chemical Thermodynamics, 2012, 55, 144-150.	2.0	26
50	Densities, isobaric expansivities and isothermal compressibilities of the thiocyanate-based ionic liquids at temperatures (298.15â€“338.15K) and pressures up to 10MPa. Thermochimica Acta, 2012, 530, 1-6.	2.7	77
51	Phase behaviour of 1-butyl-1-methylpyrrolidinium thiocyanate ionic liquid. Fluid Phase Equilibria, 2011, 308, 55-63.	2.5	28
52	Physico-chemical properties and phase behaviour of piperidinium-based ionic liquids. Fluid Phase Equilibria, 2011, 303, 1-9.	2.5	48
53	Measurements of activity coefficients at infinite dilution of organic compounds and water in isoquinolinium-based ionic liquid [C8iQuin][NTf2] using GLC. Journal of Chemical Thermodynamics, 2011, 43, 499-504.	2.0	75
54	Activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid 1-ethyl-3-methylimidazolium tetracyanoborate. Journal of Chemical Thermodynamics, 2011, 43, 1050-1057.	2.0	99

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55	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
56	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
57	Effect of temperature and composition on the surface tension and thermodynamic properties of binary mixtures of 1-butyl-3-methylimidazolium thiocyanate with alcohols. Journal of Colloid and Interface Science, 2010, 348, 661-667.	9.4	68
58	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
59	Phase Equilibria of (1-Hexyl-3-methylimidazolium Thiocyanate + Water, Alcohol, or Hydrocarbon) Binary Systems. Journal of Chemical & Engineering Data, 2010, 55, 773-777.	1.9	46
60	Physicochemical properties and thermal behavior of nitrocellulose granules with eutectic mixtures of stabilizers. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	0