

Angeles Dominguez

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#	Paper	IF	Citations
130	Physical Properties of Pure 1-Ethyl-3-methylimidazolium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 2096-2102	2.8	322
129	Density, dynamic viscosity, and derived properties of binary mixtures of methanol or ethanol with water, ethyl acetate, and methyl acetate at T=(293.15, 298.15, and 303.15)K. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 1578-1588	2.9	263
128	Dynamic Viscosities of a Series of 1-Alkyl-3-methylimidazolium Chloride Ionic Liquids and Their Binary Mixtures with Water at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 696-701	2.8	259
127	Physical Properties of Binary Mixtures of the Ionic Liquid 1-Methyl-3-octylimidazolium Chloride with Methanol, Ethanol, and 1-Propanol at T = (298.15, 313.15, and 328.15) K and at P = 0.1 MPa. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1446-1452	2.8	148
126	Temperature Dependence and Structural Influence on the Thermophysical Properties of Eleven Commercial Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 2492-2504	3.9	142
125	Physical Properties of Binary Mixtures of the Ionic Liquid 1-Ethyl-3-methylimidazolium Ethyl Sulfate with Several Alcohols at T = (298.15, 313.15, and 328.15) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1641-1648	2.8	140
124	Dynamic Viscosities, Densities, and Speed of Sound and Derived Properties of the Binary Systems Acetic Acid with Water, Methanol, Ethanol, Ethyl Acetate and Methyl Acetate at T = (293.15, 298.15, and 303.15) K at Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1590-1596	2.8	135
123	Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Butyl-3-methylimidazolium Chloride and the Corresponding Binary Systems at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 2178-2181	2.8	97
122	Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Ethyl-3-methylimidazolium Ethylsulfate and the Corresponding Binary Systems Containing the Ionic Liquid at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 820-825	2.8	96
121	Study of the behaviour of the azeotropic mixture ethanol-water with imidazolium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2007 , 259, 51-56	2.5	82
120	(Liquid+liquid) equilibria for ternary mixtures of (alkane+benzene+[EMpy] [ESO4]) at several temperatures and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 1215-1221	2.9	80
119	Viscosities, densities and speeds of sound of the binary systems: 2-propanol with octane, or decane, or dodecane at T=(293.15, 298.15, and 303.15) K. <i>Journal of Chemical Thermodynamics</i> , 2003 , 35, 939-953	2.9	77
118	Esterification of acetic acid with ethanol: Reaction kinetics and operation in a packed bed reactive distillation column. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007 , 46, 1317-1323	3.7	74
117	Physical properties of the ternary system (ethanol+water+1-butyl-3-methylimidazolium methylsulphate) and its binary mixtures at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1274-1281	2.9	71
116	Separation of benzene from alkanes using 1-ethyl-3-methylpyridinium ethylsulfate ionic liquid at several temperatures and atmospheric pressure: Effect of the size of the aliphatic hydrocarbons. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 104-109	2.9	68
115	Physical and Excess Properties of Eight Binary Mixtures Containing Water and Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2165-2176	2.8	66
114	Viscosities of Dimethyl Carbonate or Diethyl Carbonate with Alkanes at Four Temperatures. New UNIFAC-VISCO Parameters. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 146-151	2.8	62

113	Density, Speed of Sound, and Refractive Index of the Binary Systems Cyclohexane (1) or Methylcyclohexane (1) or Cyclo-octane (1) with Benzene (2), Toluene (2), and Ethylbenzene (2) at Two Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1003-1011	2.8	61
112	Thermal Analysis and Heat Capacities of 1-Alkyl-3-methylimidazolium Ionic Liquids with NTf ₂ ⁻ TFO ⁻ and DCA ⁻ Anions. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 2103-2110	3.9	59
111	Vapour-liquid equilibria of dimethyl carbonate with linear alcohols and estimation of interaction parameters for the UNIFAC and ASOG method. <i>Fluid Phase Equilibria</i> , 2002 , 201, 187-201	2.5	59
110	Liquid-liquid extraction of phenolic compounds from water using ionic liquids: Literature review and new experimental data using [Cmim]FSI. <i>Journal of Environmental Management</i> , 2018 , 228, 475-482	7.9	59
109	Effect of the temperature on the physical properties of pure 1-propyl 3-methylimidazolium bis(trifluoromethylsulfonyl)imide and characterization of its binary mixtures with alcohols. <i>Journal of Chemical Thermodynamics</i> , 2012 , 45, 9-15	2.9	57
108	Viscosity, density, and speed of sound of methylcyclopentane with primary and secondary alcohols at T=(293.15, 298.15, and 303.15)K. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 1172-1185	2.9	54
107	Dynamic Viscosities of 2-Pentanol with Alkanes (Octane, Decane, and Dodecane) at Three Temperatures T = (293.15, 298.15, and 303.15) K. New UNIFAC-VISCO Interaction Parameters. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1225-1230	2.8	54
106	Liquid-liquid Equilibrium for Ternary Mixtures of Hexane + Aromatic Compounds + [EMpy][ESO4] at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 633-638	2.8	53
105	Dynamic viscosities of binary mixtures of cycloalkanes with primary alcohols at T = (293.15, 298.15, and 303.15) K: New UNIFAC-VISCO interaction parameters. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 322-334	2.9	53
104	Excess molar properties of ternary system (ethanol+water+1,3-dimethylimidazolium methylsulphate) and its binary mixtures at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1208-1216	2.9	53
103	Dynamic viscosities of 2-butanol with alkanes (C8, C10, and C12) at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 267-275	2.9	52
102	Excess properties of binary mixtures containing 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid and polar organic compounds. <i>Journal of Chemical Thermodynamics</i> , 2012 , 47, 300-311	2.9	51
101	Osmotic coefficients of aqueous solutions of four ionic liquids at T=(313.15 and 333.15) K. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1346-1351	2.9	51
100	Vapor-liquid equilibria for the quaternary reactive system ethyl acetate + ethanol + water + acetic acid and some of the constituent binary systems at 101.3 kPa. <i>Fluid Phase Equilibria</i> , 2005 , 235, 215-222	2.5	51
99	Separation of binary mixtures aromatic + aliphatic using ionic liquids: Influence of the structure of the ionic liquid, aromatic and aliphatic. <i>Chemical Engineering Journal</i> , 2011 , 175, 213-221	14.7	50
98	Vapor-liquid Equilibria for the Ternary System Ethanol + Water + 1-Butyl-3-methylimidazolium Methylsulfate and the Corresponding Binary Systems at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1004-1008	2.8	50
97	Synthesis and temperature dependence of physical properties of four pyridinium-based ionic liquids: Influence of the size of the cation. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1324-1329	2.9	50
96	Density and Viscosity Experimental Data of the Ternary Mixtures 1-Propanol or 2-Propanol + Water + 1-Ethyl-3-methylimidazolium Ethylsulfate. Correlation and Prediction of Physical Properties of the Ternary Systems. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 881-887	2.8	48

95	Synthesis and Physical Properties of 1-Ethyl 3-methylpyridinium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1824-1828	2.8	48
94	Osmotic coefficients of binary mixtures of four ionic liquids with ethanol or water at T=(313.15 and 333.15)K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 11-16	2.9	47
93	Experimental densities, refractive indices, and speeds of sound of 12 binary mixtures containing alkanes and aromatic compounds at T=313.15K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 939-944	2.9	47
92	Separation of toluene from alkanes using 1-ethyl-3-methylpyridinium ethylsulfate ionic liquid at T=298.15K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 752-757	2.9	47
91	Application of [HMim][NTf ₂], [HMim][TfO] and [BMim][TfO] ionic liquids on the extraction of toluene from alkanes: Effect of the anion and the alkyl chain length of the cation on the LLE. <i>Journal of Chemical Thermodynamics</i> , 2012 , 53, 60-66	2.9	46
90	Capacity of ionic liquids [EMim][NTf ₂] and [EMpy][NTf ₂] for extraction of toluene from mixtures with alkanes: Comparative study of the effect of the cation. <i>Fluid Phase Equilibria</i> , 2012 , 315, 46-52	2.5	46
89	Experimental Determination, Correlation, and Prediction of Physical Properties of the Ternary Mixtures Ethanol + Water with 1-Octyl-3-methylimidazolium Chloride and 1-Ethyl-3-methylimidazolium Ethylsulfate. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2529-2535	2.8	46
88	Synthesis and Physical Properties of 1-Ethylpyridinium Ethylsulfate and its Binary Mixtures with Ethanol and 1-Propanol at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1353-1358	2.8	45
87	Viscosities of dimethyl carbonate with alcohols at several temperatures: UNIFAC-VISCO interaction parameters (?OCO?/alcohol). <i>Fluid Phase Equilibria</i> , 2004 , 216, 167-174	2.5	45
86	Thermal analysis and heat capacities of pyridinium and imidazolium ionic liquids. <i>Thermochimica Acta</i> , 2013 , 565, 178-182	2.9	43
85	Removing phenolic pollutants using Deep Eutectic Solvents. <i>Separation and Purification Technology</i> , 2019 , 227, 115703	8.3	42
84	Liquid Extraction of Benzene from Its Mixtures Using 1-Ethyl-3-methylimidazolium Ethylsulfate as a Solvent. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 4931-4936	2.8	42
83	Separation of Benzene from Linear Alkanes (C ₆ -C ₉) Using 1-Ethyl-3-Methylimidazolium Ethylsulfate at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3422-3427	2.8	41
82	Isobaric vapour-liquid equilibria of dimethyl carbonate with alkanes and cyclohexane at 101.3 kPa. <i>Fluid Phase Equilibria</i> , 2002 , 198, 95-109	2.5	41
81	Effect of the temperature on the physical properties of the pure ionic liquid 1-ethyl-3-methylimidazolium methylsulfate and characterization of its binary mixtures with alcohols. <i>Journal of Chemical Thermodynamics</i> , 2014 , 74, 193-200	2.9	40
80	Excess properties of binary mixtures hexane, heptane, octane and nonane with benzene, toluene and ethylbenzene at T = 283.15 and 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2010 , 48, 514-533	1.5	40
79	Experimental Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Ethyl-3-methylpyridinium Ethylsulfate and the Corresponding Binary Systems at 101.3 kPa: Study of the Effect of the Cation. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2786-2791	2.8	40
78	Measurement and correlation of liquid-liquid equilibria for ternary systems {cyclooctane+aromatic hydrocarbon+1-ethyl-3-methylpyridinium ethylsulfate} at T=298.15K and atmospheric pressure. <i>Fluid Phase Equilibria</i> , 2010 , 291, 59-65	2.5	39

77	Isobaric Phase Equilibria of Diethyl Carbonate with Five Alcohols at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 86-91	2.8	38
76	Extraction of toluene from aliphatic compounds using an ionic liquid as solvent: Influence of the alkane on the (liquid+liquid) equilibrium. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 562-568	2.9	37
75	Extraction of Benzene from Aliphatic Compounds Using Commercial Ionic Liquids as Solvents: Study of the Liquid-Liquid Equilibrium at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3376-3383	2.8	37
74	Separation of benzene from alkanes by solvent extraction with 1-ethylpyridinium ethylsulfate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1234-1239	2.9	37
73	Physical properties of seven deep eutectic solvents based on l-proline or betaine. <i>Journal of Chemical Thermodynamics</i> , 2019 , 131, 517-523	2.9	36
72	Liquid extraction of aromatic/cyclic aliphatic hydrocarbon mixtures using ionic liquids as solvent: Literature review and new experimental LLE data. <i>Fuel Processing Technology</i> , 2014 , 125, 207-216	7.2	35
71	Physicochemical Characterization of New Sulfate Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 14-20	2.8	35
70	Dynamic Viscosities of Diethyl Carbonate with Linear and Secondary Alcohols at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 157-162	2.8	35
69	Physical properties of the binary systems methylcyclopentane with ketones (acetone, butanone and 2-pentanone) at T = (293.15, 298.15, and 303.15) K. New UNIFAC-VISCO interaction parameters. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 707-716	2.9	33
68	Physical Properties of the Ternary Mixture Ethanol+Water+1-Butyl-3-Methylimidazolium Chloride at 298.15 K. <i>Journal of Solution Chemistry</i> , 2006 , 35, 1217-1225	1.8	33
67	Isobaric Vapor-Liquid Equilibria of Diethyl Carbonate with Four Alkanes at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 1098-1102	2.8	33
66	Application of Pyrrolidinium-Based Ionic Liquid as Solvent for the Liquid Extraction of Benzene from Its Mixtures with Aliphatic Hydrocarbons. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 1342-1349	3.9	31
65	Osmotic and apparent molar properties of binary mixtures alcohol+1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2013 , 61, 64-73	2.9	31
64	Dynamic Viscosities of the Binary Systems Cyclohexane and Cyclopentane with Acetone, Butanone, or 2-Pentanone at Three Temperatures T = (293.15, 298.15, and 303.15) K. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1462-1469	2.8	30
63	Viscosities, Densities, and Speed of Sound of the Cycloalkanes with Secondary Alcohols at T = (293.15, 298.15, and 303.15) K: New UNIFAC-VISCO Interaction Parameters. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1076-1087	2.8	30
62	Phase behavior of ternary mixtures {aliphatic hydrocarbon+aromatic hydrocarbon+ionic liquid}: Experimental LLE data and their modeling by COSMO-RS. <i>Journal of Chemical Thermodynamics</i> , 2014 , 77, 222-229	2.9	29
61	Acoustic, volumetric and osmotic properties of binary mixtures containing the ionic liquid 1-butyl-3-methylimidazolium dicyanamide mixed with primary and secondary alcohols. <i>Journal of Chemical Thermodynamics</i> , 2012 , 50, 19-29	2.9	29
60	Application of [EMim][ESO4] ionic liquid as solvent in the extraction of toluene from cycloalkanes: Study of liquid-liquid equilibria at T=298.15K. <i>Fluid Phase Equilibria</i> , 2011 , 303, 174-179	2.5	28

59	Evaluation of ionic liquids as solvent for aromatic extraction: Experimental, correlation and COSMO-RS predictions. <i>Journal of Chemical Thermodynamics</i> , 2013 , 67, 5-12	2.9	27
58	Physical properties of the ternary mixture ethanol + water + 1-hexyl-3-methylimidazolium chloride at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2006 , 44, 409-417	1.5	27
57	Osmotic coefficients of binary mixtures of 1-butyl-3-methylimidazolium methylsulfate and 1,3-dimethylimidazolium methylsulfate with alcohols at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 617-622	2.9	26
56	Application of [EMpy][ESO4] ionic liquid as solvent for the liquid extraction of xylenes from hexane. <i>Fluid Phase Equilibria</i> , 2010 , 295, 249-254	2.5	26
55	Removal of phenolic pollutants from wastewater streams using ionic liquids. <i>Separation and Purification Technology</i> , 2020 , 236, 116310	8.3	26
54	Extraction of adipic, levulinic and succinic acids from water using TOPO-based deep eutectic solvents. <i>Separation and Purification Technology</i> , 2020 , 241, 116692	8.3	24
53	Thermal behavior and heat capacities of pyrrolidinium-based ionic liquids by DSC. <i>Fluid Phase Equilibria</i> , 2018 , 470, 51-59	2.5	24
52	(Liquid+liquid) equilibrium data for the ternary systems (cycloalkane+ethylbenzene+1-ethyl-3-methylimidazolium ethylsulfate) at T=298.15K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 725-730	2.9	24
51	Phase Equilibria of the Binary Systems 1-Hexene with o-Xylene, m-Xylene, p-Xylene, Toluene, and Ethylbenzene at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 867-871	2.8	24
50	(Liquid + liquid) equilibria for the ternary mixtures (alkane + toluene + ionic liquid) at T= 298.15 K: Influence of the anion on the phase equilibria. <i>Journal of Chemical Thermodynamics</i> , 2012 , 47, 402-407	2.9	22
49	Liquid-Liquid Equilibria of the Ternary Systems of Alkane + Aromatic + 1-Ethylpyridinium Ethylsulfate Ionic Liquid at T = (283.15 and 298.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5169-5175	2.8	22
48	Study of the influence of the structure of the alcohol on vapor pressures and osmotic coefficients of binary mixtures alcohol+1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at T=323.15K. <i>Fluid Phase Equilibria</i> , 2012 , 313, 38-45	2.5	21
47	Physical Properties of Binary Alcohol + Ionic Liquid Mixtures at Several Temperatures and Atmospheric Pressure. <i>Journal of Solution Chemistry</i> , 2013 , 42, 746-763	1.8	21
46	Liquid-Liquid Extraction of Aromatic Compounds from Cycloalkanes Using 1-Butyl-3-methylimidazolium Methylsulfate Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 189-196	2.8	19
45	Vapour pressures and osmotic coefficients of binary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate and 1-ethyl-3-methylpyridinium ethylsulfate with alcohols at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 1439-1445	2.9	19
44	Separation of toluene from cyclic hydrocarbons using 1-butyl-3-methylimidazolium methylsulfate ionic liquid at T = 298.15 K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 705-710	2.9	19
43	Quaternary (liquid+liquid) equilibrium data for the extraction of toluene from alkanes using the ionic liquid [EMim][MSO4]. <i>Journal of Chemical Thermodynamics</i> , 2014 , 76, 79-86	2.9	18
42	(Liquid + liquid) equilibrium at T = 298.15 K for ternary mixtures of alkane + aromatic compounds + imidazolium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 74, 138-143	2.9	18

41	Effect of the Chain Length on the Aromatic Ring in the Separation of Aromatic Compounds from Methylcyclohexane Using the Ionic Liquid 1-Ethyl-3-methylpyridinium Ethylsulfate. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2289-2293	2.8	18
40	Determination and modelling of osmotic coefficients and vapour pressures of binary systems 1- and 2-propanol with C _n MimNTf ₂ ionic liquids (n = 2, 3, and 4) at T = 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1256-1262	2.9	18
39	Vapour pressures, osmotic and activity coefficients for binary mixtures containing (1-ethylpyridinium ethylsulfate + several alcohols) at T = 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 625-630	2.9	18
38	Using bis(trifluoromethylsulfonyl)imide based ionic liquids to extract phenolic compounds. <i>Journal of Chemical Thermodynamics</i> , 2019 , 131, 159-167	2.9	18
37	Comparative study of the LLE of the quaternary and ternary systems involving benzene, n-octane, n-decane and the ionic liquid [BMpyr][NTf ₂]. <i>Journal of Chemical Thermodynamics</i> , 2016 , 98, 56-61	2.9	16
36	Measurement and modeling of osmotic coefficients of binary mixtures (alcohol+1,3-dimethylpyridinium methylsulfate) at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 908-913	2.9	16
35	Application of the ionic liquid tributylmethylammonium bis(trifluoromethylsulfonyl)imide as solvent for the extraction of benzene from octane and decane at T = 298.15 K and atmospheric pressure. <i>Fluid Phase Equilibria</i> , 2016 , 417, 137-143	2.5	15
34	Experimental data, correlation and prediction of the extraction of benzene from cyclic hydrocarbons using [Epy][ESO ₄] ionic liquid. <i>Fluid Phase Equilibria</i> , 2014 , 361, 83-92	2.5	15
33	Physicochemical Characterization of New Sulfonate and Sulfate Ammonium Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 241-248	2.8	15
32	Measurement and Correlation of Liquid-Liquid Equilibria for Ternary and Quaternary Systems of Heptane, Cyclohexane, Toluene, and [EMim][OAc] at 298.15 K. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 9471-9477	3.9	14
31	Phase equilibria of binary mixtures (ionic liquid+aromatic hydrocarbon): Effect of the structure of the components on the solubility. <i>Fluid Phase Equilibria</i> , 2013 , 360, 416-422	2.5	14
30	Study of [EMim][ESO ₄] ionic liquid as solvent in the liquid-liquid extraction of xylenes from their mixtures with hexane. <i>Fluid Phase Equilibria</i> , 2011 , 305, 227-232	2.5	14
29	Automatic implementation of thermodynamic models for reliable parameter estimation using computer algebra. <i>Computers and Chemical Engineering</i> , 2002 , 26, 1473-1479	4	13
28	Densities and Derived Volumetric Properties of Ionic Liquids with [Nf ₂] and [NTf ₂] Anions at High Pressures. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 954-964	2.8	11
27	(Liquid+liquid) equilibrium of ternary and quaternary systems containing heptane, cyclohexane, toluene and the ionic liquid [EMim][N(CN) ₂]. Experimental data and correlation. <i>Journal of Chemical Thermodynamics</i> , 2016 , 94, 16-23	2.9	11
26	Osmotic coefficients of alcoholic mixtures containing BMpyrDCA: Experimental determination and correlation. <i>Journal of Chemical Thermodynamics</i> , 2014 , 72, 9-15	2.9	9
25	Vapour pressures and osmotic coefficients of binary mixtures containing alcohol and pyrrolidinium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013 , 66, 137-143	2.9	9
24	Separation of Benzene from Heptane Using Tree Ionic Liquids: BMimMSO ₄ , BMimNTf ₂ , and PMimNTf ₂ . <i>Procedia Engineering</i> , 2012 , 42, 1597-1605		9

23	Determination and correlation of (liquid + liquid) equilibria of ternary and quaternary systems with octane, decane, benzene and [BMpyr][DCA] at T = 298.15 K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2016 , 94, 197-203	2.9	8
22	Thermal Behaviour of Pure Ionic Liquids 2015 ,		7
21	Solubility, density and excess molar volume of binary mixtures of aromatic compounds and common ionic liquids at T = 283.15 K and atmospheric pressure. <i>Physics and Chemistry of Liquids</i> , 2015 , 53, 419-428	1.5	7
20	Mutual Solubility of Aromatic Hydrocarbons in Pyrrolidinium and Ammonium-Based Ionic Liquids and Its Modeling Using the Cubic-Plus-Association (CPA) Equation of State. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 633-642	2.8	6
19	Ionic Liquids-Based Aqueous Biphasic Systems with Citrate Biodegradable Salts. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1103-1108	2.8	6
18	Thermodynamic behavior of binary mixtures CnMpyNTf2 ionic liquids with primary and secondary alcohols. <i>Thermochimica Acta</i> , 2012 , 549, 49-56	2.9	6
17	Vapor-Liquid Equilibria for the Ternary System Acetone + Methanol + Chlorobenzene at 101.325 kPa. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 1203-1205	2.8	6
16	Physical and Excess Properties for Binary Systems Containing an Alcohol and Ionic Liquid at T = 298.15 K. <i>Procedia Engineering</i> , 2012 , 42, 1383-1389		5
15	Experimental Determination, Correlation, and Prediction of Physical Properties of the Ternary Mixtures Ethanol and 1-Propanol + Water + 1-Ethyl-3-methylpyridinium Ethylsulfate at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2229-2234	2.8	5
14	Excess molar enthalpies of (methylcyclohexane + an alkanol) at the temperature 323.15 K IV. General discussion of results. <i>Journal of Chemical Thermodynamics</i> , 1992 , 24, 449-453	2.9	5
13	Separation of Benzene from Hexane Using 3-butyl-1-methylimidazolium Bis(trifluoromethylsulfonyl)imide as Entrainer: Liquid-Liquid Equilibrium Data, Process Simulation and Process Separation in a Packed Bed Column. <i>Procedia Engineering</i> , 2012 , 42, 1606-1610		4
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8	High pressure densities and derived thermodynamic properties of deep eutectic solvents with menthol and saturated fatty acids. <i>Journal of Chemical Thermodynamics</i> , 2021 , 162, 106578	2.9	3
7	Influence of the Structure of the Cation of Ionic Liquids on the Vapor Pressure and Osmotic Coefficients in their Binary Mixtures with 1-Propanol. <i>Procedia Engineering</i> , 2012 , 42, 1053-1060		2
6	Dynamic Viscosities of KI or NH4I in Methanol and NH4I in Ethanol at Several Temperatures and 0.1 MPa. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 109-112	2.8	2

5	Extraction of Carboxylic Acids from Aqueous Solutions by Using [BMim][NTf ₂] and Salting-out Agents. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4717-4723	2.8	1
4	Role of the cation on the liquid extraction of levulinic acid from water using NTf ₂ -based ionic liquids: Experimental data and computational analysis. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112561	6	1
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