

# Angeles Dominguez

## List of Publications by Year in descending order

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133  
papers

6,072  
citations

50170

46  
h-index

85405

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134  
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134  
docs citations

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times ranked

3127  
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#	ARTICLE	IF	CITATIONS
1	Physical Properties of Pure 1-Ethyl-3-methylimidazolium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 2096-2102.	1.0	340
2	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.	1.0	314
3	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 &amp; Engineering Data</i> , 2006, 51, 696-701.	1.0	288
4	Temperature Dependence and Structural Influence on the Thermophysical Properties of Eleven Commercial Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 2492-2504.	1.8	171
5	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 &amp; Engineering Data</i> , 2006, 51, 1446-1452.	1.0	166
6	Physical Properties of Binary Mixtures of the Ionic Liquid 1-Ethyl-3-methylimidazolium Ethyl Sulfate with Several Alcohols at $T = (298.15, 313.15, \text{ and } 328.15) \text{ K}$ and Atmospheric Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , 2007, 52, 1641-1648.	1.0	153
7	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 &amp; Engineering Data</i> , 2004, 49, 1590-1596.	1.0	150
8	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 &amp; Engineering Data</i> , 2008, 53, 820-825.	1.0	107
9	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 &amp; Engineering Data</i> , 2006, 51, 2178-2181.	1.0	103
10	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.	1.8	94
11	Study of the behaviour of the azeotropic mixture ethanol-water with imidazolium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2007, 259, 51-56.	1.4	91
12	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.	1.0	88
13	(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.	1.0	85
14	Liquid-liquid extraction of phenolic compounds from water using ionic liquids: Literature review and new experimental data using [C2mim]FSI. <i>Journal of Environmental Management</i> , 2018, 228, 475-482.	3.8	81
15	Physical and Excess Properties of Eight Binary Mixtures Containing Water and Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 2165-2176.	1.0	80
16	Physical properties of the ternary system (ethanol+water+1-butyl-3-methylimidazolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (m 2008, 40, 1274-1281.	1.0	77
17	Physical properties of seven deep eutectic solvents based on l-proline or betaine. <i>Journal of Chemical Thermodynamics</i> , 2019, 131, 517-523.	1.0	75
18	Viscosities of Dimethyl Carbonate or Diethyl Carbonate with Alkanes at Four Temperatures. New UNIFAC-VISCO Parameters. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 146-151.	1.0	70

#	ARTICLE	IF	CITATIONS
19	Removing phenolic pollutants using Deep Eutectic Solvents. Separation and Purification Technology, 2019, 227, 115703.	3.9	69
20	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. Journal of Chemical Thermodynamics, 2010, 42, 104-109.	1.0	68
21	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. Journal of Chemical & Engineering Data, 2010, 55, 1003-1011.	1.0	68
22	Thermal Analysis and Heat Capacities of 1-Alkyl-3-methylimidazolium Ionic Liquids with NTF <sub>2</sub> <sup>+</sup> , TFO <sup>+</sup> , and DCA <sup>+</sup> Anions. Industrial & Engineering Chemistry Research, 2013, 52, 2103-2110.	1.8	68
23	Vapour-liquid equilibria of dimethyl carbonate with linear alcohols and estimation of interaction parameters for the UNIFAC and ASOG method. Fluid Phase Equilibria, 2002, 201, 187-201.	1.4	67
24	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. Journal of Chemical Thermodynamics, 2012, 45, 9-15.	1.0	64
25	Viscosity, density, and speed of sound of methylcyclopentane with primary and secondary alcohols at T=(293.15, 298.15, and 303.15)K. Journal of Chemical Thermodynamics, 2006, 38, 1172-1185.	1.0	61
26	Excess molar properties of ternary system (ethanol+water+1,3-dimethylimidazolium methylsulphate) and its binary mixtures at several temperatures. Journal of Chemical Thermodynamics, 2008, 40, 1208-1216.	1.0	59
27	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. Journal of Chemical & Engineering Data, 2004, 49, 1225-1230.	1.0	58
28	Vapor-Liquid Equilibria for the Ternary System Ethanol + Water + 1-Butyl-3-methylimidazolium Methylsulfate and the Corresponding Binary Systems at 101.3 kPa. Journal of Chemical & Engineering Data, 2009, 54, 1004-1008.	1.0	58
29	Osmotic coefficients of aqueous solutions of four ionic liquids at T=(313.15 and 333.15) K. Journal of Chemical Thermodynamics, 2008, 40, 1346-1351.	1.0	57
30	Dynamic viscosities of 2-butanol with alkanes (C8, C10, and C12) at several temperatures. Journal of Chemical Thermodynamics, 2004, 36, 267-275.	1.0	56
31	Vapor-liquid equilibria for the quaternary reactive system ethyl acetate+ethanol+water+acetic acid and some of the constituent binary systems at 101.3kPa. Fluid Phase Equilibria, 2005, 235, 215-222.	1.4	56
32	Liquid-Liquid Equilibrium for Ternary Mixtures of Hexane + Aromatic Compounds + [EMpy][ESO <sub>4</sub> ] at T = 298.15 K. Journal of Chemical & Engineering Data, 2010, 55, 633-638.	1.0	56
33	Application of [HMim][NTf <sub>2</sub> ], [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. Journal of Chemical Thermodynamics, 2012, 53, 60-66.	1.0	56
34	Dynamic viscosities of binary mixtures of cycloalkanes with primary alcohols at T=(293.15, 298.15, and) Tj ETQq0 0 0 rgBT /Overlock 10 322-334.	1.0	55
35	Separation of binary mixtures aromatic+aliphatic using ionic liquids: Influence of the structure of the ionic liquid, aromatic and aliphatic. Chemical Engineering Journal, 2011, 175, 213-221.	6.6	55
36	Thermal analysis and heat capacities of pyridinium and imidazolium ionic liquids. Thermochimica Acta, 2013, 565, 178-182.	1.2	54

#	ARTICLE	IF	CITATIONS
37	Removal of phenolic pollutants from wastewater streams using ionic liquids. Separation and Purification Technology, 2020, 236, 116310.	3.9	53
38	Experimental densities, refractive indices, and speeds of sound of 12 binary mixtures containing alkanes and aromatic compounds at T=313.15K. Journal of Chemical Thermodynamics, 2009, 41, 939-944.	1.0	52
39	Synthesis and temperature dependence of physical properties of four pyridinium-based ionic liquids: Influence of the size of the cation. Journal of Chemical Thermodynamics, 2010, 42, 1324-1329.	1.0	52
40	Capacity of ionic liquids [EMim][NTf2] and [EMpy][NTf2] for extraction of toluene from mixtures with alkanes: Comparative study of the effect of the cation. Fluid Phase Equilibria, 2012, 315, 46-52.	1.4	52
41	Excess properties of binary mixtures containing 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid and polar organic compounds. Journal of Chemical Thermodynamics, 2012, 47, 300-311.	1.0	52
42	Synthesis and Physical Properties of 1-Ethyl 3-methylpyridinium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. Journal of Chemical & Engineering Data, 2008, 53, 1824-1828.	1.0	51
43	Synthesis and Physical Properties of 1-Ethylpyridinium Ethylsulfate and its Binary Mixtures with Ethanol and 1-Propanol at Several Temperatures. Journal of Chemical & Engineering Data, 2009, 54, 1353-1358.	1.0	50
44	Viscosities of dimethyl carbonate with alcohols at several temperatures. Fluid Phase Equilibria, 2004, 216, 167-174.	1.4	49
45	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. Journal of Chemical & Engineering Data, 2008, 53, 881-887.	1.0	49
46	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. Journal of Chemical & Engineering Data, 2007, 52, 2529-2535.	1.0	48
47	Osmotic coefficients of binary mixtures of four ionic liquids with ethanol or water at T=(313.15 and) Tj ETQq1 1 0.784314 rgBT / Over	1.0	48
48	Separation of toluene from alkanes using 1-ethyl-3-methylpyridinium ethylsulfate ionic liquid at T=298.15K and atmospheric pressure. Journal of Chemical Thermodynamics, 2010, 42, 752-757.	1.0	48
49	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. Journal of Chemical & Engineering Data, 2010, 55, 2786-2791.	1.0	48
50	Liquid Extraction of Benzene from Its Mixtures Using 1-Ethyl-3-methylimidazolium Ethylsulfate as a Solvent. Journal of Chemical & Engineering Data, 2010, 55, 4931-4936.	1.0	46
51	Liquid extraction of aromatic/cyclic aliphatic hydrocarbon mixtures using ionic liquids as solvent: Literature review and new experimental LLE data. Fuel Processing Technology, 2014, 125, 207-216.	3.7	45
52	Extraction of adipic, levulinic and succinic acids from water using TOPO-based deep eutectic solvents. Separation and Purification Technology, 2020, 241, 116692.	3.9	45
53	Isobaric vapour-liquid equilibria of dimethyl carbonate with alkanes and cyclohexane at 101.3 kPa. Fluid Phase Equilibria, 2002, 198, 95-109.	1.4	44
54	Extraction of Benzene from Aliphatic Compounds Using Commercial Ionic Liquids as Solvents: Study of the Liquid-Liquid Equilibrium at $T = 298.15$ K. Journal of Chemical & Engineering Data, 2011, 56, 3376-3383.	1.0	44

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55	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. Journal of Chemical Thermodynamics, 2014, 74, 193-200.	1.0	44
56	Excess properties of binary mixtures hexane, heptane, octane and nonane with benzene, toluene and ethylbenzene at $T = 283.15$ and $298.15$ K. Physics and Chemistry of Liquids, 2010, 48, 514-533.	0.4	43
57	Separation of Benzene from Linear Alkanes ( $C_6 \hat{C}_9$ ) Using 1-Ethyl-3-Methylimidazolium Ethylsulfate at $T = 298.15$ K. Journal of Chemical & Engineering Data, 2010, 55, 3422-3427.	1.0	43
58	Dynamic Viscosities of Diethyl Carbonate with Linear and Secondary Alcohols at Several Temperatures. Journal of Chemical & Engineering Data, 2004, 49, 157-162.	1.0	42
59	Isobaric Phase Equilibria of Diethyl Carbonate with Five Alcohols at 101.3 kPa. Journal of Chemical & Engineering Data, 2003, 48, 86-91.	1.0	40
60	Separation of benzene from alkanes by solvent extraction with 1-ethylpyridinium ethylsulfate ionic liquid. Journal of Chemical Thermodynamics, 2010, 42, 1234-1239.	1.0	40
61	Thermal behavior and heat capacities of pyrrolidinium-based ionic liquids by DSC. Fluid Phase Equilibria, 2018, 470, 51-59.	1.4	40
62	Measurement and correlation of liquid-liquid equilibria for ternary systems {cyclooctane+aromatic hydrocarbon+1-ethyl-3-methylpyridinium ethylsulfate} at $T=298.15$ K and atmospheric pressure. Fluid Phase Equilibria, 2010, 291, 59-65.	1.4	39
63	Extraction of toluene from aliphatic compounds using an ionic liquid as solvent: Influence of the alkane on the (liquid+liquid) equilibrium. Journal of Chemical Thermodynamics, 2011, 43, 562-568.	1.0	39
64	Physicochemical Characterization of New Sulfate Ionic Liquids. Journal of Chemical & Engineering Data, 2011, 56, 14-20.	1.0	37
65	Application of Pyrrolidinium-Based Ionic Liquid as Solvent for the Liquid Extraction of Benzene from Its Mixtures with Aliphatic Hydrocarbons. Industrial & Engineering Chemistry Research, 2015, 54, 1342-1349.	1.8	36
66	Isobaric Vapor-Liquid Equilibria of Diethyl Carbonate with Four Alkanes at 101.3 kPa. Journal of Chemical & Engineering Data, 2002, 47, 1098-1102.	1.0	35
67	Dynamic Viscosities of the Binary Systems Cyclohexane and Cyclopentane with Acetone, Butanone, or 2-Pentanone at Three Temperatures $T = (293.15, 298.15, \text{ and } 303.15)$ K. Journal of Chemical & Engineering Data, 2005, 50, 1462-1469.	1.0	35
68	Acoustic, volumetric and osmotic properties of binary mixtures containing the ionic liquid 1-butyl-3-methylimidazolium dicyanamide mixed with primary and secondary alcohols. Journal of Chemical Thermodynamics, 2012, 50, 19-29.	1.0	35
69	Osmotic and apparent molar properties of binary mixtures alcohol+1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid. Journal of Chemical Thermodynamics, 2013, 61, 64-73.	1.0	35
70	Physical properties of the binary systems methylcyclopentane with ketones (acetone, butanone and) $T_j$ ETQq0 0 0 rgBT /Overlock 10 Tf Journal of Chemical Thermodynamics, 2006, 38, 707-716.	1.0	34
71	Physical Properties of the Ternary Mixture Ethanol+Water+1-Butyl-3-Methylimidazolium Chloride at 298.15 K. Journal of Solution Chemistry, 2006, 35, 1217-1225.	0.6	34
72	Phase behavior of ternary mixtures {aliphatic hydrocarbon+aromatic hydrocarbon+ionic liquid}: Experimental LLE data and their modeling by COSMO-RS. Journal of Chemical Thermodynamics, 2014, 77, 222-229.	1.0	34

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73	Viscosities, Densities, and Speed of Sound of the Cycloalkanes with Secondary Alcohols at T = (293.15, Tj ETQq1 1 0.784314 rgBT /Cve Data, 2006, 51, 1076-1087.	1.0	33
74	Physical properties of the ternary mixture ethanol+water+1-hexyl-3-methylimidazolium chloride at 298.15K. Physics and Chemistry of Liquids, 2006, 44, 409-417.	0.4	31
75	Application of [EMim][ESO4] ionic liquid as solvent in the extraction of toluene from cycloalkanes: Study of liquid-liquid equilibria at T=298.15K. Fluid Phase Equilibria, 2011, 303, 174-179.	1.4	31
76	Evaluation of ionic liquids as solvent for aromatic extraction: Experimental, correlation and COSMO-RS predictions. Journal of Chemical Thermodynamics, 2013, 67, 5-12.	1.0	30
77	Osmotic coefficients of binary mixtures of 1-butyl-3-methylimidazolium methylsulfate and 1,3-dimethylimidazolium methylsulfate with alcohols at T=323.15K. Journal of Chemical Thermodynamics, 2009, 41, 617-622.	1.0	29
78	Separation of toluene from cyclic hydrocarbons using 1-butyl-3-methylimidazolium methylsulfate ionic liquid at T=298.15K and atmospheric pressure. Journal of Chemical Thermodynamics, 2011, 43, 705-710.	1.0	29
79	Phase Equilibria of the Binary Systems 1-Hexene with o-Xylene, m-Xylene, p-Xylene, Toluene, and Ethylbenzene at 101.3 kPa. Journal of Chemical & Engineering Data, 2002, 47, 867-871.	1.0	28
80	Application of [EMpy][ESO4] ionic liquid as solvent for the liquid extraction of xylenes from hexane. Fluid Phase Equilibria, 2010, 295, 249-254.	1.4	27
81	(Liquid + liquid) equilibria for the ternary mixtures (alkane + toluene + ionic liquid) at T= 298.15 K: Influence of the anion on the phase equilibria. Journal of Chemical Thermodynamics, 2012, 47, 402-407.	1.0	26
82	Physical Properties of Binary Alcohol+Ionic Liquid Mixtures at Several Temperatures and Atmospheric Pressure. Journal of Solution Chemistry, 2013, 42, 746-763.	0.6	26
83	(Liquid+liquid) equilibrium data for the ternary systems (cycloalkane+ethylbenzene+1-ethyl-3-methylimidazolium ethylsulfate) at T=298.15K and atmospheric pressure. Journal of Chemical Thermodynamics, 2011, 43, 725-730.	1.0	25
84	Liquid-Liquid Equilibria of the Ternary Systems of Alkane + Aromatic + 1-Ethylpyridinium Ethylsulfate Ionic Liquid at T = (283.15 and 298.15) K. Journal of Chemical & Engineering Data, 2010, 55, 5169-5175.	1.0	24
85	Liquid-Liquid Extraction of Aromatic Compounds from Cycloalkanes Using 1-Butyl-3-methylimidazolium Methylsulfate Ionic Liquid. Journal of Chemical & Engineering Data, 2013, 58, 189-196.	1.0	24
86	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. Journal of Chemical Thermodynamics, 2009, 41, 1439-1445.	1.0	23
87	Application of the ionic liquid tributylmethylammonium bis(trifluoromethylsulfonyl)imide as solvent for the extraction of benzene from octane and decane at T=298.15K and atmospheric pressure. Fluid Phase Equilibria, 2016, 417, 137-143.	1.4	23
88	Using bis(trifluoromethylsulfonyl)imide based ionic liquids to extract phenolic compounds. Journal of Chemical Thermodynamics, 2019, 131, 159-167.	1.0	23
89	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. Fluid Phase Equilibria, 2012, 313, 38-45.	1.4	21
90	Quaternary (liquid+liquid) equilibrium data for the extraction of toluene from alkanes using the ionic liquid [EMim][MSO4]. Journal of Chemical Thermodynamics, 2014, 76, 79-86.	1.0	20

#	ARTICLE	IF	CITATIONS
91	Comparative study of the LLE of the quaternary and ternary systems involving benzene, n-octane, n-decane and the ionic liquid [BMpyr][NTf <sub>2</sub> ]. Journal of Chemical Thermodynamics, 2016, 98, 56-61.	1.0	20
92	Densities and Derived Volumetric Properties of Ionic Liquids with [Nf <sub>2</sub> ] and [NTf <sub>2</sub> ] <sup>2</sup> Anions at High Pressures. Journal of Chemical & Engineering Data, 2018, 63, 954-964.	1.0	20
93	Vapour pressures, osmotic and activity coefficients for binary mixtures containing (1-ethylpyridinium) Tj ETQq1 1 0,784314 rgBT /Over	1.0	19
94	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. Journal of Chemical & Engineering Data, 2010, 55, 2289-2293.	1.0	19
95	Determination and modelling of osmotic coefficients and vapour pressures of binary systems 1- and 2-propanol with C <sub>n</sub> MimNTf <sub>2</sub> ionic liquids (n=2, 3, and 4) at T=323.15K. Journal of Chemical Thermodynamics, 2011, 43, 1256-1262.	1.0	19
96	Physicochemical Characterization of New Sulfonate and Sulfate Ammonium Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 241-248.	1.0	19
97	Experimental data, correlation and prediction of the extraction of benzene from cyclic hydrocarbons using [Epy][ESO <sub>4</sub> ] ionic liquid. Fluid Phase Equilibria, 2014, 361, 83-92.	1.4	19
98	Measurement and modeling of osmotic coefficients of binary mixtures (alcohol+1,3-dimethylpyridinium methylsulfate) at T=323.15K. Journal of Chemical Thermodynamics, 2011, 43, 908-913.	1.0	18
99	(Liquid+liquid) equilibrium at T=298.15K for ternary mixtures of alkane+aromatic compounds+imidazolium-based ionic liquids. Journal of Chemical Thermodynamics, 2014, 74, 138-143.	1.0	18
100	Automatic implementation of thermodynamic models for reliable parameter estimation using computer algebra. Computers and Chemical Engineering, 2002, 26, 1473-1479.	2.0	17
101	Measurement and Correlation of Liquid-Liquid Equilibria for Ternary and Quaternary Systems of Heptane, Cyclohexane, Toluene, and [EMim][OAc] at 298.15 K. Industrial & Engineering Chemistry Research, 2014, 53, 9471-9477.	1.8	16
102	Study of [EMim][ESO <sub>4</sub> ] ionic liquid as solvent in the liquid-liquid extraction of xylenes from their mixtures with hexane. Fluid Phase Equilibria, 2011, 305, 227-232.	1.4	14
103	Phase equilibria of binary mixtures (ionic liquid+aromatic hydrocarbon): Effect of the structure of the components on the solubility. Fluid Phase Equilibria, 2013, 360, 416-422.	1.4	14
104	Hydrophobic deep eutectic solvents as extraction agents of nitrophenolic pollutants from aqueous systems. Environmental Technology and Innovation, 2022, 25, 102170.	3.0	14
105	Thermal Behaviour of Pure Ionic Liquids. , 0, , .		13
106	(Liquid+liquid) equilibrium of ternary and quaternary systems containing heptane, cyclohexane, toluene and the ionic liquid [EMim][N(CN) <sub>2</sub> ]. Experimental data and correlation. Journal of Chemical Thermodynamics, 2016, 94, 16-23.	1.0	12
107	High pressure densities and derived thermodynamic properties of deep eutectic solvents with menthol and saturated fatty acids. Journal of Chemical Thermodynamics, 2021, 162, 106578.	1.0	12
108	Osmotic coefficients of alcoholic mixtures containing BMpyrDCA: Experimental determination and correlation. Journal of Chemical Thermodynamics, 2014, 72, 9-15.	1.0	10

#	ARTICLE	IF	CITATIONS
109	Determination and correlation of (liquid+liquid) equilibria of ternary and quaternary systems with octane, decane, benzene and [Bm <sub>2</sub> pyr][DCA] at T=298.15K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2016, 94, 197-203.	1.0	10
110	Separation of Benzene from Heptane Using Tree Ionic Liquids: BMimMSO <sub>4</sub> , BMimNTf <sub>2</sub> , and PMimNTf <sub>2</sub> . <i>Procedia Engineering</i> , 2012, 42, 1597-1605.	1.2	9
111	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.	1.0	9
112	Solubility, density and excess molar volume of binary mixtures of aromatic compounds and common ionic liquids at T=283.15K and atmospheric pressure. <i>Physics and Chemistry of Liquids</i> , 2015, 53, 419-428.	0.4	9
113	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 &amp; Engineering Data</i> , 2017, 62, 633-642.	1.0	9
114	Vapor-Liquid Equilibria for the Ternary System Acetone + Methanol + Chlorobenzene at 101.325 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , 1995, 40, 1203-1205.	1.0	8
115	Ionic Liquids-Based Aqueous Biphasic Systems with Citrate Biodegradable Salts. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 1103-1108.	1.0	8
116	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 &amp; Engineering Data</i> , 2009, 54, 2229-2234.	1.0	6
117	Evaluation of [C <sub>3</sub> mim][NTf <sub>2</sub> ] as Solvent for the Liquid-Liquid Extraction of Benzene from Mixtures of Benzene and Hexane. <i>Separation Science and Technology</i> , 2012, 47, 331-336.	1.3	6
118	Thermodynamic behavior of binary mixtures C <sub>n</sub> MpyNTf <sub>2</sub> ionic liquids with primary and secondary alcohols. <i>Thermochimica Acta</i> , 2012, 549, 49-56.	1.2	6
119	Role of the cation on the liquid extraction of levulinic acid from water using Ntf <sub>2</sub> -based ionic liquids: Experimental data and computational analysis. <i>Journal of Molecular Liquids</i> , 2020, 302, 112561.	2.3	6
120	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.	1.0	5
121	Dynamic Viscosities of KI or NH <sub>4</sub> I in Methanol and NH <sub>4</sub> I in Ethanol at Several Temperatures and 0.1 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , 2005, 50, 109-112.	1.0	5
122	Physical and Excess Properties for Binary Systems Containing an Alcohol and Ionic Liquid at T = 298.15K. <i>Procedia Engineering</i> , 2012, 42, 1383-1389.	1.2	5
123	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.	1.2	5
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127	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.	1.2	2
128	Extraction of Carboxylic Acids from Aqueous Solutions by Using [BMim][NTf <sub>2</sub> ] and Salting-out Agents. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4717-4723.	1.0	2
129	Vapor-liquid equilibrium of the system methanol + benzene + cyclohexane at 760 mmHg. <i>Journal of Chemical &amp; Engineering Data</i> , 1990, 35, 30-33.	1.0	1
130	Activity and Osmotic Coefficients of Binary Mixtures of NTf <sub>2</sub> <sup>+</sup> Ionic Liquids with a Primary Alcohol. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 4123-4130.	1.0	1
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132	Analysis of a modification of the ASOG method for vapor-liquid equilibrium prediction. <i>Chemical Engineering and Processing: Process Intensification</i> , 1993, 32, 277-281.	1.8	0
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