

# Ana Soto

## List of Publications by Citations

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ext. citations

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L-index

#	Paper	IF	Citations
169	Gasoline desulfurization using extraction with [C8mim][BF4] ionic liquid. <i>AIChE Journal</i> , <b>2007</b> , 53, 3108-3115	3.65	161
168	Ionic liquids on desulfurization of fuel oils. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 294, 39-48	2.5	155
167	Solvent extraction of thiophene from n-alkanes (C7, C12, and C16) using the ionic liquid [C8mim][BF4]. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 966-972	2.9	127
166	Partitioning of antibiotics in a two-liquid phase system formed by water and a room temperature ionic liquid. <i>Separation and Purification Technology</i> , <b>2005</b> , 44, 242-246	8.3	115
165	Physical and Excess Properties for Binary Mixtures of 1-Methyl-3-Octylimidazolium Tetrafluoroborate, [Omim][BF4], Ionic Liquid with Different Alcohols. <i>Journal of Solution Chemistry</i> , <b>2006</b> , 35, 63-78	1.8	109
164	Apparent Molar Volume, Isentropic Compressibility, Refractive Index, and Viscosity of DL-Alanine in Aqueous NaCl Solutions. <i>Journal of Solution Chemistry</i> , <b>2003</b> , 32, 53-63	1.8	109
163	1-Ethyl-3-methylimidazolium bis((trifluoromethyl)sulfonyl)amide as solvent for the separation of aromatic and aliphatic hydrocarbons by liquid extraction [extension to C7- and C8-fractions]. <i>Green Chemistry</i> , <b>2008</b> , 10, 1294	10	105
162	Thiophene separation from aliphatic hydrocarbons using the 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid. <i>Fluid Phase Equilibria</i> , <b>2008</b> , 270, 97-102	2.5	105
161	Extractive and oxidative-extractive desulfurization of fuels with ionic liquids. <i>Fuel</i> , <b>2014</b> , 117, 882-889	7.1	102
160	Phase behaviour of 1-methyl-3-octylimidazolium bis(trifluoromethylsulfonyl)imide with thiophene and aliphatic hydrocarbons: The influence of n-alkane chain length. <i>Fluid Phase Equilibria</i> , <b>2008</b> , 263, 176-181	2.5	99
159	Thermodynamics of Diglycine and Triglycine in Aqueous NaCl Solutions: Apparent Molar Volume, Isentropic Compressibility, and Refractive Index. <i>Journal of Solution Chemistry</i> , <b>2004</b> , 33, 11-21	1.8	95
158	Bis((trifluoromethyl)sulfonyl)amide ionic liquids as solvents for the extraction of aromatic hydrocarbons from their mixtures with alkanes: effect of the nature of the cation. <i>Green Chemistry</i> , <b>2009</b> , 11, 365-372	10	94
157	Volumetric and Viscosity Study for the Mixtures of 2-Ethoxy-2-methylpropane, Ethanol, and 1-Ethyl-3-methylimidazolium Ethyl Sulfate Ionic Liquid. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1453-1457	2.8	93
156	Absorption of Carbon Dioxide in Two Binary Mixtures of Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 5975-5984	3.9	91
155	Use of a green and cheap ionic liquid to purify gasoline octane boosters. <i>Green Chemistry</i> , <b>2007</b> , 9, 247-253	2.5	81
154	Effect of anion fluorination in 1-ethyl-3-methylimidazolium as solvent for the liquid extraction of ethanol from ethyl tert-butyl ether. <i>Fluid Phase Equilibria</i> , <b>2006</b> , 242, 164-168	2.5	76
153	Experimental Determination of Liquid-Liquid Equilibrium Using Ionic Liquids: tert-Amyl Ethyl Ether + Ethanol + 1-Octyl-3-Methylimidazolium Chloride System at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 514-517	2.8	76

152	Enhanced oil recovery using the ionic liquid trihexyl(tetradecyl)phosphonium chloride: phase behaviour and properties. <i>RSC Advances</i> , <b>2012</b> , 2, 9392	3.7	73
151	(Liquid+liquid) equilibria of [C8mim][NTf2] ionic liquid with a sulfur-component and hydrocarbons. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 265-270	2.9	73
150	tert-Amyl Ethyl Ether Separation from Its Mixtures with Ethanol Using the 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid: Liquid-Liquid Equilibrium. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 8323-8327	3.9	73
149	Citrus essential oil terpenes by extraction using 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid: Effect of the temperature. <i>Chemical Engineering Journal</i> , <b>2007</b> , 133, 213-218	14.7	72
148	Essential oil terpenes by extraction using organic solvents or ionic liquids. <i>AIChE Journal</i> , <b>2006</b> , 52, 2089-2097	3.6	65
147	Physical and equilibrium properties of diisopropyl ether+isopropyl alcohol+water system. <i>Fluid Phase Equilibria</i> , <b>2000</b> , 170, 113-126	2.5	65
146	Experimental data and modelling of apparent molar volumes, isentropic compressibilities and refractive indices in aqueous solutions of glycine + NaCl. <i>Biophysical Chemistry</i> , <b>1998</b> , 74, 165-73	3.5	64
145	Physico-chemical Properties of Binary and Ternary Mixtures of Ethyl Acetate + Ethanol + 1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at 298.15 K and Atmospheric Pressure. <i>Journal of Solution Chemistry</i> , <b>2010</b> , 39, 371-383	1.8	61
144	Evaluation of the polysubstituted pyridinium ionic liquid [hmmpy][Ntf2] as a suitable solvent for desulfurization: Phase equilibria. <i>Journal of Chemical Thermodynamics</i> , <b>2010</b> , 42, 712-718	2.9	61
143	A thermodynamic study on binary and ternary mixtures of acetonitrile, water and butyl acetate. <i>Fluid Phase Equilibria</i> , <b>2002</b> , 203, 83-98	2.5	59
142	Combined physical and chemical absorption of carbon dioxide in a mixture of ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 77, 197-205	2.9	56
141	VLE Measurements of Binary Mixtures of Methanol, Ethanol, 2-Methoxy-2-methylpropane, and 2-Methoxy-2-methylbutane at 101.32 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 718-723	3.8	54
140	Extraction Ability of Nitrogen-Containing Compounds Involved in the Desulfurization of Fuels by Using Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 3262-3267	2.8	52
139	Desulfurization of fuels by liquid-liquid extraction with 1-ethyl-3-methylimidazolium ionic liquids. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 356, 126-135	2.5	51
138	Liquid-liquid equilibrium and interfacial tension of the ternary system heptane + thiophene + 1-ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 298, 240-245	2.5	51
137	Liquid-Liquid Equilibria for Systems Composed by 1-Methyl-3-octylimidazolium Tetrafluoroborate Ionic Liquid, Thiophene, and n-Hexane or Cyclohexane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 1729-1732	2.8	51
136	Desulfurization of fuel-oils with [C2mim][NTf2]: A comparative study. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 57, 248-255	2.9	50
135	Mixtures of Ethanol and the Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate for the Fractionated Solubility of Biopolymers of Lignocellulosic Biomass. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 11850-11861	3.9	48

134	Physical properties and phase equilibria of the system isopropyl acetate+isopropanol+1-octyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 287, 84-94	2.5	48
133	Densities, refractive indices, and excess molar volumes of the ternary systems water + methanol + 1-octanol and water + ethanol + 1-octanol and their binary mixtures at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1993</b> , 38, 336-340	2.8	48
132	Deterpenation of Citrus Essential Oil by Liquid-Liquid Extraction with 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)amide Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 1273-1281	2.8	45
131	Measurement and Correlation of Liquid-Liquid Equilibria of Two Imidazolium Ionic Liquids with Thiophene and Methylcyclohexane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 2409-2412	2.8	44
130	Purification of ethyl tert-butyl ether from its mixtures with ethanol by using an ionic liquid. <i>Chemical Engineering Journal</i> , <b>2006</b> , 115, 219-223	14.7	44
129	Effect of the cation and the anion of an electrolyte on the solubility of DL-aminobutyric acid in aqueous solutions: measurement and modelling. <i>Biophysical Chemistry</i> , <b>1998</b> , 73, 77-83	3.5	43
128	A comparative study on solvents for separation of tert-amyl ethyl ether and ethanol mixtures. New experimental data for 1-ethyl-3-methyl imidazolium ethyl sulfate ionic liquid. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 6929-6935	4.4	43
127	Mixtures of ionic liquids as more efficient media for cellulose dissolution. <i>Carbohydrate Polymers</i> , <b>2017</b> , 178, 277-285	10.3	42
126	Physical and excess properties of (methyl acetate+methanol+1-octyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide) and its binary mixtures at T=298.15K and atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , <b>2009</b> , 41, 1317-1323	2.9	42
125	Characterization and interfacial properties of the surfactant ionic liquid 1-dodecyl-3-methyl imidazolium acetate for enhanced oil recovery. <i>RSC Advances</i> , <b>2015</b> , 5, 37392-37398	3.7	41
124	Improved concentration of citrus essential oil by solvent extraction with acetate ionic liquids. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 361, 37-44	2.5	41
123	Hexyl dimethylpyridinium ionic liquids for desulfurization of fuels. Effect of the position of the alkyl side chains. <i>Fluid Phase Equilibria</i> , <b>2012</b> , 314, 107-112	2.5	41
122	Characterization and phase behavior of the surfactant ionic liquid tributylmethylphosphonium dodecylsulfate for enhanced oil recovery. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 417, 87-95	2.5	39
121	Liquid-Liquid Equilibria for [C8mim][NTf2] + Thiophene + 2,2,4-Trimethylpentane or + Toluene. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 1750-1755	2.8	38
120	VLE for water + ethanol + 1-octanol mixtures. Experimental measurements and correlations. <i>Fluid Phase Equilibria</i> , <b>1996</b> , 122, 117-129	2.5	38
119	Thermophysical Characterization of the Mixtures of the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate with 1-Propanol or 2-Propanol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 2299-2310	2.8	36
118	Enhanced Oil Recovery with the Ionic Liquid Trihexyl(tetradecyl)phosphonium Chloride: A Phase Equilibria Study at 75 °C. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 5806-5810	4.1	36
117	Isobaric vapour-liquid equilibria and physical properties for isopropyl acetate+isopropanol+1-butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide mixtures. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 300, 162-171	2.5	36

116	Liquid-liquid Equilibria of ([C2mim][EtSO4] + Thiophene + 2,2,4-Trimethylpentane) and ([C2mim][EtSO4] + Thiophene + Toluene): Experimental Data and Correlation. <i>Journal of Solution Chemistry</i> , <b>2008</b> , 37, 1355-1363	1.8	36
115	Citrus Essential Oil Deterpenation by Liquid-Liquid Extraction. <i>Canadian Journal of Chemical Engineering</i> , <b>2008</b> , 83, 366-370	2.3	36
114	Physical Properties of Binary and Ternary Mixtures of Ethyl Acetate, Ethanol, and 1-Octyl-3-methyl-imidazolium Bis(trifluoromethylsulfonyl)imide at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 1022-1028	2.8	35
113	Liquid-Liquid Equilibria of Linalool + Ethanol + Water, Water + Ethanol + Limonene, and Limonene + Linalool + Water Systems. <i>Journal of Solution Chemistry</i> , <b>2004</b> , 33, 561-569	1.8	35
112	Essential oil deterpenation by solvent extraction using 1-ethyl-3-methylimidazolium 2-(2-methoxyethoxy) ethylsulfate ionic liquid. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 296, 149-153	2.5	34
111	Densities, Speeds of Sound, Refractive Indices, and the Corresponding Changes of Mixing at 25 °C and Atmospheric Pressure for Systems Composed by Ethyl Acetate, Hexane, and Acetone. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 1176-1180	2.8	34
110	Vapor-Liquid Equilibrium of the Ternary System Ethyl Acetate + Hexane + Acetone at 101.32 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2002</b> , 47, 849-854	2.8	32
109	Molar Volumes, Molar Refractions, and Isentropic Compressibilities of (Ethanol + Methanol + 2-Methoxy-2-methylpropane) and (Ethanol + Methanol + 2-Methoxy-2-methylbutane) at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1997</b> , 42, 721-726	2.8	31
108	Effect of cation and anion of an electrolyte on apparent molar volume, isentropic compressibility and refractive index of glycine in aqueous solutions. <i>Biophysical Chemistry</i> , <b>1999</b> , 76, 73-82	3.5	31
107	Efficiency of hydrophobic phosphonium ionic liquids and DMSO as recyclable cellulose dissolution and regeneration media. <i>RSC Advances</i> , <b>2017</b> , 7, 17451-17461	3.7	30
106	Ionic liquids for low-tension oil recovery processes: Phase behavior tests. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 504, 404-416	9.3	29
105	Propanediols for separation of citrus oil: liquid-liquid equilibria of limonene + linalool + (1,2-propanediol or 1,3-propanediol). <i>Fluid Phase Equilibria</i> , <b>2003</b> , 211, 129-140	2.5	29
104	The effect of temperature on polyethylene glycol (4000 or 8000)(sodium or ammonium) sulfate Aqueous Two Phase Systems. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 428, 95-101	2.5	28
103	Carbon dioxide absorption in the ionic liquid 1-ethylpyridinium ethylsulfate and in its mixtures with another ionic liquid. <i>International Journal of Greenhouse Gas Control</i> , <b>2013</b> , 18, 296-304	4.2	28
102	Non-ideal behavior of ionic liquid mixtures to enhance CO2 capture. <i>Fluid Phase Equilibria</i> , <b>2017</b> , 450, 175-183	2.5	28
101	(Vapour+liquid) equilibrium of (DIPE+IPA+water) at 101.32kPa. <i>Journal of Chemical Thermodynamics</i> , <b>2003</b> , 35, 871-884	2.9	27
100	Viscosities and Volumetric Properties of Binary and Ternary Mixtures of Tris(2-hydroxyethyl) Methylammonium Methylsulfate + Water + Ethanol at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 770-775	2.8	26
99	Measurements and modelling of the solubility of a mixture of two amino acids in aqueous solutions. <i>Fluid Phase Equilibria</i> , <b>1999</b> , 158-160, 893-901	2.5	26

98	Activity coefficients of the electrolyte and the amino acid in water + NaNO(3) + glycine and water + NaCl + DL-methionine systems at 298.15 K. <i>Biophysical Chemistry</i> , <b>1997</b> , 67, 97-105	3.5	25
97	Liquid-Liquid Equilibrium of Diisopropyl Ether + Ethanol + Water System at Different Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2002</b> , 47, 529-532	2.8	25
96	Interaction of DL-threonine with NaCl and NaNO <sub>3</sub> in aqueous solutions: e.m.f. measurements with ion-selective electrodes. <i>Journal of Chemical Thermodynamics</i> , <b>1997</b> , 29, 609-622	2.9	24
95	Liquid-Liquid equilibria of limonene+linalool+diethylene glycol system at different temperatures. <i>Chemical Engineering Journal</i> , <b>2002</b> , 89, 223-227	14.7	24
94	Phase behavior of the surfactant ionic liquid trihexyltetradecylphosphonium bis(2,4,4-trimethylpentyl)phosphinate with water and dodecane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 480, 50-59	5.1	23
93	Measurement and PC-SAFT modelling of three-phase behaviour. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1800-10	3.6	23
92	Interactions of DL-serine and L-serine with NaCl and KCl in aqueous solutions. <i>Journal of Solution Chemistry</i> , <b>1997</b> , 26, 941-955	1.8	23
91	Liquid-Liquid equilibria for butyl tert-butyl ether + (methanol or ethanol) + water at several temperatures. <i>Fluid Phase Equilibria</i> , <b>2004</b> , 224, 185-192	2.5	23
90	Molar Volume, Refractive Index, and Isentropic Compressibility at 298.15 K for 1-Butanol + Ethanol + 2-Methoxy-2-methylpropane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1999</b> , 44, 291-295	2.8	23
89	Densities, Refractive Indices, Speeds of Sound, and Isentropic Compressibilities of Water + Methanol + 2-Methoxy-2-methylbutane at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 724-727	2.8	23
88	Liquid-liquid equilibria of water + methanol + (MTBE or TAME) mixtures. <i>Canadian Journal of Chemical Engineering</i> , <b>1994</b> , 72, 935-938	2.3	23
87	Measurements of the density, refractive index, electrical conductivity, thermal conductivity and dynamic viscosity for tributylmethylphosphonium and methylsulfate based ionic liquids. <i>Thermochimica Acta</i> , <b>2018</b> , 664, 81-90	2.9	22
86	Influence of Methanol on the Dissolution of Lignocellulose Biopolymers with the Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 9605-9614	3.9	22
85	Experimental VLE at 101.32 kPa in binary systems composed of ethyl methanoate and alkan-1-ols or alkan-2-ols and treatment of data using a correlation with temperature-dependent parameters. <i>Fluid Phase Equilibria</i> , <b>1998</b> , 146, 351-370	2.5	22
84	Effect of the anion and the cation of an electrolyte on the activity coefficient of dl-alanine in aqueous solutions. <i>Fluid Phase Equilibria</i> , <b>1998</b> , 142, 193-204	2.5	21
83	Physical and excess properties of binary and ternary mixtures of 1,1-dimethylethoxy-butane, methanol, ethanol and water at 298.15K. <i>Thermochimica Acta</i> , <b>2005</b> , 435, 197-201	2.9	21
82	Liquid-liquid equilibria of mutually immiscible ionic liquids with a common anion of basic character. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 102, 12-21	2.9	20
81	Surface Tension of Binary Mixtures of 1-Alkyl-3-Methyl-Imidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids with Alcohols. <i>Journal of Solution Chemistry</i> , <b>2014</b> , 43, 404-420	1.8	19

80	Isobaric Vapor-Liquid Equilibria at 101.32 kPa and Densities, Speeds of Sound, and Refractive Indices at 298.15 K for MTBE or DIPE or TAME + 1-Propanol Binary Systems. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 92-97	2.8	19
79	Photocatalytic degradation of methyl orange, methylene blue and rhodamine B with AgCl nanocatalyst synthesised from its bulk material in the ionic liquid [P]Cl. <i>Water Science and Technology</i> , <b>2017</b> , 75, 128-140	2.2	18
78	Improved Reactivity of Cellulose via Its Crystallinity Reduction by Nondissolving Pretreatment with an Ionic Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 9164-9171	8.3	18
77	Properties modification by eutectic formation in mixtures of ionic liquids. <i>RSC Advances</i> , <b>2015</b> , 5, 22178-22187	3.7	18
76	Alkylpyridinium Alkylsulfate Ionic Liquids as Solvents for the Deterpenation of Citrus Essential Oil. <i>Separation Science and Technology</i> , <b>2012</b> , 47, 292-299	2.5	18
75	Isomer effect in the separation of octane and xylenes using the ionic liquid 1-ethyl-3-methylimidazolium bis((trifluoromethyl)sulfonyl)amide. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 294, 180-185	2.5	18
74	Molar Volume, Molar Refraction, and Isentropic Compressibility Changes of Mixing at 25°C for the System Ethanol + Methanol + Dibutyl Ether. <i>Journal of Solution Chemistry</i> , <b>1998</b> , 27, 911-923	1.8	18
73	Phase stability of the system limonene+linalool+2-aminoethanol. <i>Fluid Phase Equilibria</i> , <b>2004</b> , 226, 121-127	2.5	18
72	Density, Refractive Index, and Speed of Sound for 2-Ethoxy-2-Methylbutane + Ethanol + Water at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 536-539	2.8	18
71	Isobaric Vapor-Liquid Equilibria of Methanol + Hexyl Acetate and Ethanol + Hexyl Acetate. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1995</b> , 40, 515-518	2.8	17
70	Water/oil/[P6,6,6,14][NTf2] phase equilibria. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 75, 63-68	2.9	16
69	Aqueous two-phase systems with thermo-sensitive EOPO co-polymer (UCON) and sulfate salts: Effect of temperature and cation. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 108, 136-142	2.9	15
68	Liquid-Liquid-Liquid equilibria for water+[P66614][DCA]+dodecane ternary system. <i>Fluid Phase Equilibria</i> , <b>2015</b> , 405, 124-131	2.5	15
67	Water + ethanol + 2-methoxy-2-methylbutane: Properties of mixing at 298.15 K and isobaric vapour-liquid equilibria at 101.32 kPa. <i>Fluid Phase Equilibria</i> , <b>1997</b> , 141, 207-220	2.5	15
66	Quaternary liquid-liquid equilibria of systems with two partially miscible solvent pairs: 1-octanol+2-methoxy-2-methylpropane+water+ethanol at 25°C. <i>Fluid Phase Equilibria</i> , <b>1998</b> , 146, 161-173	2.5	15
65	Isobaric Vapor-Liquid Equilibria of Methanol + 1-Octanol and Ethanol + 1-Octanol Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1995</b> , 40, 1011-1014	2.8	15
64	Direct preparation of sulfide semiconductor nanoparticles from the corresponding bulk powders in an ionic liquid. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1424-7	16.4	14
63	(Liquid + liquid) equilibria of (tert -amyl ethyl ether+ ethanol + water) at several temperatures. <i>Journal of Chemical Thermodynamics</i> , <b>2001</b> , 33, 139-146	2.9	14

62	Determination and correlation of liquid-liquid equilibrium data for the quaternary system 1-octanol+2-methoxy-2-methylbutane+water+methanol at 25°C. <i>Fluid Phase Equilibria</i> , <b>1999</b> , 158-160, 949-960	2.5	14
61	Excess volumes and refractions and liquid-liquid equilibria of the ternary system water + ethanol + hexyl acetate. <i>Fluid Phase Equilibria</i> , <b>1993</b> , 87, 347-364	2.5	14
60	Good Reporting Practice for Thermophysical and Thermochemical Property Measurements (IUPAC Technical Report).. <i>Pure and Applied Chemistry</i> , <b>2021</b> , 93,	2.1	14
59	Thermal behaviour of mixtures of 1-alkylpyridinium halides with and without a common ion. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 268, 781-790	6	13
58	Measurement and prediction of isobaric vapour-liquid equilibrium data of the system ethanol+methanol+2-methoxy-2-methylpropane. <i>Fluid Phase Equilibria</i> , <b>1998</b> , 146, 139-153	2.5	13
57	Liquid-Liquid Equilibria of 1-Octanol + 2-Methoxy-2-methylpropane + Water + Methanol at 25 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1998</b> , 43, 255-258	2.8	13
56	Physical Properties of the Ternary System 1-Butanol + Methanol + 2-Methoxy-2-methylpropane at 298.15 K: Measurement and Prediction. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1999</b> , 44, 1028-1033 <sup>2,8</sup>	2.8	13
55	Tributyl(tetradecyl)phosphonium Chloride Ionic Liquid for Surfactant-Enhanced Oil Recovery. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 6758-6765	4.1	12
54	Liquid-liquid interfacial tension of equilibrated mixtures of ionic liquids and hydrocarbons. <i>Science China Chemistry</i> , <b>2012</b> , 55, 1519-1524	7.9	12
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44	Vapor-Liquid Equilibria at 101.32 kPa of the Ternary Systems 2-Methoxy-2-methylpropane + Methanol + Water and 2-Methoxy-2-methylpropane + Ethanol + Water. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1998</b> , 43, 708-713	2.8	10
43	Densities, Refractive Indices, and Excess Molar Volumes of Water + Ethanol + 2-Methoxy-2-methylpropane at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1995</b> , 40, 1285-1287	2.8	10
42	Deterpenation of citrus essential oil with 1-ethyl-3-methylimidazolium acetate: A comparison of unit operations. <i>Separation and Purification Technology</i> , <b>2020</b> , 250, 117208	8.3	9
41	Ionic Liquids Derived from Proline: Application as Surfactants. <i>ChemPhysChem</i> , <b>2018</b> , 19, 2885-2893	3.2	9
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39	Isobaric vapor-liquid equilibria of 1,1-dimethylethoxy-butane+methanol or ethanol+water at 101.32kPa. <i>Fluid Phase Equilibria</i> , <b>2007</b> , 259, 57-65	2.5	9
38	Extraction equilibria of the type 2: ternary liquid mixture {x <sub>1</sub> tert-butyl methyl ether +x <sub>2</sub> water + (1-x <sub>1</sub> -x <sub>2</sub> )1-octanol} at 298.15 K and 308.15 K. <i>Journal of Chemical Thermodynamics</i> , <b>1996</b> , 28, 3-6	2.9	9
37	Phase equilibria of water + methanol + hexyl acetate mixtures. <i>Fluid Phase Equilibria</i> , <b>1997</b> , 128, 261-270	2.5	8
36	(Liquid+liquid) equilibrium of (dibutyl ether+methanol+water) at different temperatures. <i>Journal of Chemical Thermodynamics</i> , <b>2005</b> , 37, 1007-1012	2.9	8
35	Isobaric vapor-liquid equilibria for systems composed by 2-ethoxy-2-methylbutane, methanol or ethanol and water at 101.32kPa. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 233, 9-18	2.5	8
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33	Liquid-Liquid Equilibrium for tert-Amyl Ethyl Ether + Methanol + Water. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 557-561	2.8	8
32	Recovery of the ionic liquids [C <sub>2</sub> mim][OAc] or [C <sub>2</sub> mim][SCN] by distillation from their binary mixtures with methanol or ethanol. <i>Separation and Purification Technology</i> , <b>2020</b> , 248, 117103	8.3	7
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