

Ana Soto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169
papers

5,304
citations

42
h-index

62
g-index

174
ext. papers

5,675
ext. citations

3.7
avg, IF

5.72
L-index

#	Paper	IF	Citations
169	Acetone + 1-ethyl-3-methylimidazolium acetate phase diagram: A correlation challenge. <i>Fluid Phase Equilibria</i> , 2022 , 557, 113419	2.5	
168	Recovery of dialkylimidazolium-based ionic liquids from their mixtures with acetone or water by flash distillation. <i>Journal of Molecular Liquids</i> , 2022 , 346, 118292	6	
167	Design and performance analysis of a formulation based on SDBS and ionic liquid for EOR in carbonate reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 209, 109856	4.4	0
166	Tetrabutylphosphonium acetate and its eutectic mixtures with common-cation halides as solvents for carbon dioxide capture. <i>Chemical Engineering Journal</i> , 2021 , 409, 128191	14.7	2
165	Recovery of lactose and proteins from cheese whey with poly(ethylene)glycol/sulfate aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2021 , 255, 117686	8.3	6
164	Highly viscous fluid displaced by a chemically controlled reactive interface. <i>Chaos</i> , 2021 , 31, 023135	3.3	0
163	Good Reporting Practice for Thermophysical and Thermochemical Property Measurements (IUPAC Technical Report).. <i>Pure and Applied Chemistry</i> , 2021 , 93,	2.1	14
162	Nanomaterial Synthesis in Ionic Liquids and Their Use on the Photocatalytic Degradation of Emerging Pollutants. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
161	AOT + Polyethylene Glycol Eutectics for Enhanced Oil Recovery. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8164	2.6	0
160	Insights on the laccase extraction and activity in ionic-liquid-based aqueous biphasic systems. <i>Separation and Purification Technology</i> , 2020 , 248, 117052	8.3	11
159	Recovery of the ionic liquids [C2mim][OAc] or [C2mim][SCN] by distillation from their binary mixtures with methanol or ethanol. <i>Separation and Purification Technology</i> , 2020 , 248, 117103	8.3	7
158	Deterpenation of citrus essential oil with 1-ethyl-3-methylimidazolium acetate: A comparison of unit operations. <i>Separation and Purification Technology</i> , 2020 , 250, 117208	8.3	9
157	Aqueous Two-Phase Systems: A Correlation Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6318-6328	3.9	3
156	Phase equilibrium for polymer/ionic liquid aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2020 , 506, 112387	2.5	4
155	Separation of Linalool from Limonene via Extractive Distillation with 1-Butyl-3-methylimidazolium Acetate as Entrainer. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 19449-19457	3.9	5
154	Design and Characterization of Naphthalene Ionic Liquids. <i>Frontiers in Chemistry</i> , 2020 , 8, 208	5	2
153	Thermo-Rheology of a Proline-Based Surface-Active Ionic Liquid: Mixtures with Water and n-Octane. <i>Chemical Engineering and Technology</i> , 2019 , 42, 1952-1959	2	3

152	Improved Reactivity of Cellulose via Its Crystallinity Reduction by Nondissolving Pretreatment with an Ionic Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9164-9171	8.3	18
151	Potential impact on the recruitment of chemical engineering graduates due to the industrial internship. <i>Education for Chemical Engineers</i> , 2019 , 26, 107-113	2.4	6
150	Equilibria and correlation of systems involving 1-hexyl-3-methylpyridinium trifluoromethanesulfonate.. <i>RSC Advances</i> , 2019 , 9, 42524-42532	3.7	
149	Phase equilibria of 1-hexyl-3-methylimidazolium acetate with water and oil. <i>Fluid Phase Equilibria</i> , 2019 , 483, 144-152	2.5	4
148	Measurements of the density, refractive index, electrical conductivity, thermal conductivity and dynamic viscosity for tributylmethylphosphonium and methylsulfate based ionic liquids. <i>Thermochemica Acta</i> , 2018 , 664, 81-90	2.9	22
147	Thermal behaviour of mixtures of 1-alkylpyridinium halides with and without a common ion. <i>Journal of Molecular Liquids</i> , 2018 , 268, 781-790	6	13
146	Ionic Liquids Derived from Proline: Application as Surfactants. <i>ChemPhysChem</i> , 2018 , 19, 2885-2893	3.2	9
145	Polyethylene glycol (1500 or 600) Ⓢpotassium tartrate aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2018 , 470, 120-125	2.5	5
144	3. Solubilities of Amino Acids in Aqueous Electrolyte Solutions 2018 , 86-113		
143	Data Quality and Assessment, Validation Methods and Error Propagation through the Simulation Software: Report from the Round-Table Discussion at the 10 World Congress of Chemical Engineering in Barcelona (October 1-5, 2017). <i>Chemical Engineering Research and Design</i> , 2018 , 137, A1-A1	5.5	5
142	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> , 2017 , 108, 136-142	2.9	15
141	Tributyl(tetradecyl)phosphonium Chloride Ionic Liquid for Surfactant-Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2017 , 31, 6758-6765	4.1	12
140	Ionic liquids for low-tension oil recovery processes: Phase behavior tests. <i>Journal of Colloid and Interface Science</i> , 2017 , 504, 404-416	9.3	29
139	Efficiency of hydrophobic phosphonium ionic liquids and DMSO as recyclable cellulose dissolution and regeneration media. <i>RSC Advances</i> , 2017 , 7, 17451-17461	3.7	30
138	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> , 2017 , 75, 128-140	2.2	18
137	Mixtures of ionic liquids as more efficient media for cellulose dissolution. <i>Carbohydrate Polymers</i> , 2017 , 178, 277-285	10.3	42
136	Non-ideal behavior of ionic liquid mixtures to enhance CO2 capture. <i>Fluid Phase Equilibria</i> , 2017 , 450, 175-183	2.5	28
135	Correlation of three-liquid-phase equilibria involving ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 21610-7	3.6	6

134	The effect of temperature on polyethylene glycol (4000 or 8000)(Sodium or ammonium) sulfate Aqueous Two Phase Systems. <i>Fluid Phase Equilibria</i> , 2016 , 428, 95-101	2.5	28
133	Thermophysical Characterization of the Mixtures of the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate with 1-Propanol or 2-Propanol. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 2299-2310	2.8	36
132	Characterization and phase behavior of the surfactant ionic liquid tributylmethylphosphonium dodecylsulfate for enhanced oil recovery. <i>Fluid Phase Equilibria</i> , 2016 , 417, 87-95	2.5	39
131	Ionic Liquids for Extraction Processes in Refinery-Related Applications. <i>Green Chemistry and Sustainable Technology</i> , 2016 , 39-65	1.1	3
130	Liquid-liquid equilibria of mutually immiscible ionic liquids with a common anion of basic character. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 12-21	2.9	20
129	Liquid-Liquid-Liquid equilibria for water+[P66614][DCA]+dodecane ternary system. <i>Fluid Phase Equilibria</i> , 2015 , 405, 124-131	2.5	15
128	Synthesis of AgCl nanoparticles in ionic liquid and their application in photodegradation of Orange II. <i>Journal of Materials Science</i> , 2015 , 50, 3576-3585	4.3	11
127	Characterization and interfacial properties of the surfactant ionic liquid 1-dodecyl-3-methyl imidazolium acetate for enhanced oil recovery. <i>RSC Advances</i> , 2015 , 5, 37392-37398	3.7	41
126	Properties modification by eutectic formation in mixtures of ionic liquids. <i>RSC Advances</i> , 2015 , 5, 22178-22187	3.7	18
125	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> , 2015 , 480, 50-59	5.1	23
124	Influence of Methanol on the Dissolution of Lignocellulose Biopolymers with the Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 9605-9614	3.9	22
123	Measurement and PC-SAFT modelling of three-phase behaviour. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 1800-10	3.6	23
122	Extractive and oxidative-extractive desulfurization of fuels with ionic liquids. <i>Fuel</i> , 2014 , 117, 882-889	7.1	102
121	Surface Tension of Binary Mixtures of 1-Alkyl-3-Methyl-Imidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids with Alcohols. <i>Journal of Solution Chemistry</i> , 2014 , 43, 404-420	1.8	19
120	Improved concentration of citrus essential oil by solvent extraction with acetate ionic liquids. <i>Fluid Phase Equilibria</i> , 2014 , 361, 37-44	2.5	41
119	Mixtures of Ethanol and the Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate for the Fractionated Solubility of Biopolymers of Lignocellulosic Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 11850-11861	3.9	48
118	Combined physical and chemical absorption of carbon dioxide in a mixture of ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 77, 197-205	2.9	56
117	Water/oil/[P6,6,6,14][NTf2] phase equilibria. <i>Journal of Chemical Thermodynamics</i> , 2014 , 75, 63-68	2.9	16

116	Synthesis and characterization of highly concentrated AgI[P6,6,6,14]Cl ionanofluids. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	11
115	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> , 2013 , 18, 296-304	4.2	28
114	Enhanced Oil Recovery with the Ionic Liquid Trihexyl(tetradecyl)phosphonium Chloride: A Phase Equilibria Study at 75 °C. <i>Energy & Fuels</i> , 2013 , 27, 5806-5810	4.1	36
113	Desulfurization of fuels by liquid-liquid extraction with 1-ethyl-3-methylimidazolium ionic liquids. <i>Fluid Phase Equilibria</i> , 2013 , 356, 126-135	2.5	51
112	Absorption of Carbon Dioxide in Two Binary Mixtures of Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 5975-5984	3.9	91
111	Desulfurization of fuel-oils with [C2mim][NTf2]: A comparative study. <i>Journal of Chemical Thermodynamics</i> , 2013 , 57, 248-255	2.9	50
110	Direct preparation of sulfide semiconductor nanoparticles from the corresponding bulk powders in an ionic liquid. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1424-7	16.4	14
109	Enhanced oil recovery using the ionic liquid trihexyl(tetradecyl)phosphonium chloride: phase behaviour and properties. <i>RSC Advances</i> , 2012 , 2, 9392	3.7	73
108	Alkylpyridinium Alkylsulfate Ionic Liquids as Solvents for the Deterpenation of Citrus Essential Oil. <i>Separation Science and Technology</i> , 2012 , 47, 292-299	2.5	18
107	Preparation of metal oxide nanoparticles in ionic liquid medium. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	11
106	Liquid-liquid interfacial tension of equilibrated mixtures of ionic liquids and hydrocarbons. <i>Science China Chemistry</i> , 2012 , 55, 1519-1524	7.9	12
105	Direct Preparation of Sulfide Semiconductor Nanoparticles from the Corresponding Bulk Powders in an Ionic Liquid. <i>Angewandte Chemie</i> , 2012 , 124, 1453-1456	3.6	5
104	Hexyl dimethylpyridinium ionic liquids for desulfurization of fuels. Effect of the position of the alkyl side chains. <i>Fluid Phase Equilibria</i> , 2012 , 314, 107-112	2.5	41
103	Deterpenation of Citrus Essential Oil by Liquid-Liquid Extraction with 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)amide Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 1273-1281	2.8	45
102	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> , 2011 , 300, 162-171	2.5	36
101	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 & Engineering Data</i> , 2010 , 55, 92-97	2.8	19
100	Extraction Ability of Nitrogen-Containing Compounds Involved in the Desulfurization of Fuels by Using Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3262-3267	2.8	52
99	Ionic liquids on desulfurization of fuel oils. <i>Fluid Phase Equilibria</i> , 2010 , 294, 39-48	2.5	155

98	Essential oil deterpenation by solvent extraction using 1-ethyl-3-methylimidazolium 2-(2-methoxyethoxy) ethylsulfate ionic liquid. <i>Fluid Phase Equilibria</i> , 2010 , 296, 149-153	2.5	34
97	Physico-chemical Properties of Binary and Ternary Mixtures of Ethyl Acetate + Ethanol + 1-Butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide at 298.15 K and Atmospheric Pressure. <i>Journal of Solution Chemistry</i> , 2010 , 39, 371-383	1.8	61
96	Evaluation of the polysubstituted pyridinium ionic liquid [hmmpy][Ntf2] as a suitable solvent for desulfurization: Phase equilibria. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 712-718	2.9	61
95	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> , 2010 , 294, 180-188	2.5	18
94	Physical properties and phase equilibria of the system isopropyl acetate+isopropanol+1-octyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide. <i>Fluid Phase Equilibria</i> , 2010 , 287, 84-94	2.5	48
93	Liquid-liquid equilibrium and interfacial tension of the ternary system heptane + thiophene + 1-ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide. <i>Fluid Phase Equilibria</i> , 2010 , 298, 240-245	2.5	51
92	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> , 2009 , 41, 1317-1323	2.9	42
91	Mixing properties of tris(2-hydroxyethyl)methylammonium methylsulfate, water, and methanol at 298.15K. Data treatment using several correlation equations. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 235-242	2.9	9
90	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 & Engineering Data</i> , 2009 , 54, 1022-1028	2.8	35
89	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> , 2009 , 11, 365-372	10	94
88	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> , 2008 , 10, 1294	10	105
87	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 & Engineering Data</i> , 2008 , 53, 770-775	2.8	26
86	Liquid-liquid Equilibria for [C8mim][NTf2] + Thiophene + 2,2,4-Trimethylpentane or + Toluene. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1750-1755	2.8	38
85	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> , 2008 , 37, 1355-1363	1.8	36
84	Citrus Essential Oil Deterpenation by Liquid-Liquid Extraction. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 83, 366-370	2.3	36
83	(Liquid+liquid) equilibria of [C8mim][NTf2] ionic liquid with a sulfur-component and hydrocarbons. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 265-270	2.9	73
82	Solvent extraction of thiophene from n-alkanes (C7, C12, and C16) using the ionic liquid [C8mim][BF4]. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 966-972	2.9	127
81	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> , 2008 , 263, 176-181	2.5	99

80	Thiophene separation from aliphatic hydrocarbons using the 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid. <i>Fluid Phase Equilibria</i> , 2008 , 270, 97-102	2.5	105
79	Use of a green and cheap ionic liquid to purify gasoline octane boosters. <i>Green Chemistry</i> , 2007 , 9, 247-253		81
78	Solubility Issues in Environmental Pollution 2007 , 411-427		1
77	Gasoline desulfurization using extraction with [C8mim][BF4] ionic liquid. <i>AIChE Journal</i> , 2007 , 53, 3108-3115	3.65	161
76	Isobaric vapor-liquid equilibria of 1,1-dimethylethoxy-butane+methanol or ethanol+water at 101.32kPa. <i>Fluid Phase Equilibria</i> , 2007 , 259, 57-65	2.5	9
75	Citrus essential oil terpenes by extraction using 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid: Effect of the temperature. <i>Chemical Engineering Journal</i> , 2007 , 133, 213-218	14.7	72
74	Measurement and Correlation of Liquid-Liquid Equilibria of Two Imidazolium Ionic Liquids with Thiophene and Methylcyclohexane. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2409-2412	2.8	44
73	Liquid-Liquid Equilibria for Systems Composed by 1-Methyl-3-octylimidazolium Tetrafluoroborate Ionic Liquid, Thiophene, and n-Hexane or Cyclohexane. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1729-1732	2.8	51
72	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> , 2006 , 61, 6929-6935	4.4	43
71	Essential oil terpenes by extraction using organic solvents or ionic liquids. <i>AIChE Journal</i> , 2006 , 52, 2089-2097	3.6	65
70	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 & Engineering Data</i> , 2006 , 51, 1453-1457	2.8	93
69	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> , 2006 , 242, 164-168	2.5	76
68	Purification of ethyl tert-butyl ether from its mixtures with ethanol by using an ionic liquid. <i>Chemical Engineering Journal</i> , 2006 , 115, 219-223	14.7	44
67	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> , 2006 , 35, 63-78	1.8	109
66	(Liquid+liquid) equilibrium of (dibutyl ether+methanol+water) at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 1007-1012	2.9	8
65	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> , 2005 , 435, 197-201	2.9	21
64	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> , 2005 , 233, 9-18	2.5	8
63	Partitioning of antibiotics in a two-liquid phase system formed by water and a room temperature ionic liquid. <i>Separation and Purification Technology</i> , 2005 , 44, 242-246	8.3	115

62	Thermodynamics of Diglycine and Triglycine in Aqueous NaCl Solutions: Apparent Molar Volume, Isentropic Compressibility, and Refractive Index. <i>Journal of Solution Chemistry</i> , 2004 , 33, 11-21	1.8	95
61	Liquid-Liquid Equilibria of Linalool + Ethanol + Water, Water + Ethanol + Limonene, and Limonene + Linalool + Water Systems. <i>Journal of Solution Chemistry</i> , 2004 , 33, 561-569	1.8	35
60	Phase stability of the system limonene+linalool+2-aminoethanol. <i>Fluid Phase Equilibria</i> , 2004 , 226, 121-127	1.8	18
59	Liquid-Liquid equilibria for butyl tert-butyl ether + (methanol or ethanol) + water at several temperatures. <i>Fluid Phase Equilibria</i> , 2004 , 224, 185-192	2.5	23
58	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 & Engineering Data</i> , 2004 , 49, 514-517	2.8	76
57	tert-Amyl Ethyl Ether Separation from Its Mixtures with Ethanol Using the 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid: Liquid-Liquid Equilibrium. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 8323-8327	3.9	73
56	Apparent Molar Volume, Isentropic Compressibility, Refractive Index, and Viscosity of DL-Alanine in Aqueous NaCl Solutions. <i>Journal of Solution Chemistry</i> , 2003 , 32, 53-63	1.8	109
55	(Vapour+liquid) equilibrium of (DIPE+IPA+water) at 101.32kPa. <i>Journal of Chemical Thermodynamics</i> , 2003 , 35, 871-884	2.9	27
54	Propanediols for separation of citrus oil: liquid-liquid equilibria of limonene + linalool + (1,2-propanediol or 1,3-propanediol). <i>Fluid Phase Equilibria</i> , 2003 , 211, 129-140	2.5	29
53	A thermodynamic study on binary and ternary mixtures of acetonitrile, water and butyl acetate. <i>Fluid Phase Equilibria</i> , 2002 , 203, 83-98	2.5	59
52	Liquid-Liquid equilibria of limonene+linalool+diethylene glycol system at different temperatures. <i>Chemical Engineering Journal</i> , 2002 , 89, 223-227	14.7	24
51	Liquid-Liquid Equilibrium of Diisopropyl Ether + Ethanol + Water System at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 529-532	2.8	25
50	Vapor-Liquid Equilibrium of the Ternary System Ethyl Acetate + Hexane + Acetone at 101.32 kPa. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 849-854	2.8	32
49	Thermophysical properties for 1-butanol+ethanol+2-methoxy-2-methylbutane ternary system. <i>Fluid Phase Equilibria</i> , 2001 , 187-188, 155-169	2.5	7
48	(Liquid + liquid) equilibria of (tert -amyl ethyl ether+ ethanol + water) at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2001 , 33, 139-146	2.9	14
47	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 & Engineering Data</i> , 2001 , 46, 1176-1180	2.8	34
46	Property Changes of Mixing for the 1-Butanol + Methanol + 2-Methoxy-2-methylbutane System at 298.15 K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2001 , 46, 962-966	2.8	7
45	Liquid-Liquid Equilibrium for tert-Amyl Ethyl Ether + Methanol + Water. <i>Journal of Chemical & Engineering Data</i> , 2001 , 46, 557-561	2.8	8

44	Physical Properties and Their Changes on Mixing at 298.15 K and Atmospheric Pressure for the 2-Ethoxy-2-methylbutane + Methanol + Water System. <i>Journal of Chemical & Engineering Data</i> , 2001 , 46, 1261-1265	2.8	6
43	Physical and equilibrium properties of diisopropyl ether+isopropyl alcohol+water system. <i>Fluid Phase Equilibria</i> , 2000 , 170, 113-126	2.5	65
42	Phase equilibria involved in extractive distillation of 2-methoxy-2-methylpropane+methanol using 1-butanol as entrainer. <i>Fluid Phase Equilibria</i> , 2000 , 171, 207-218	2.5	8
41	Density, Refractive Index, and Speed of Sound for 2-Ethoxy-2-Methylbutane + Ethanol + Water at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 536-539	2.8	18
40	Experimental Determination of the Vapor-Liquid Equilibrium at 101.32 kPa of the Ternary System 1-Butanol + Methanol + TAME. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 1112-1115	2.8	5
39	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> , 1999 , 76, 73-82	3.5	31
38	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> , 1999 , 158-160, 949-960	2.5	14
37	Measurements and modelling of the solubility of a mixture of two amino acids in aqueous solutions. <i>Fluid Phase Equilibria</i> , 1999 , 158-160, 893-901	2.5	26
36	Thermodynamic behaviour of ethanol+methanol+2-ethoxy-2-methylpropane system. Physical properties and phase equilibria. <i>Fluid Phase Equilibria</i> , 1999 , 165, 121-139	2.5	12
35	Extractive distillation of 2-methoxy-2-methylpropane + ethanol using 1-butanol as entrainer: Equilibria and simulation. <i>Canadian Journal of Chemical Engineering</i> , 1999 , 77, 1135-1140	2.3	12
34	Molar Volume, Refractive Index, and Isentropic Compressibility at 298.15 K for 1-Butanol + Ethanol + 2-Methoxy-2-methylpropane. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 291-295	2.8	23
33	Physical Properties of the Ternary System 1-Butanol + Methanol + 2-Methoxy-2-methylpropane at 298.15 K: Measurement and Prediction. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 1028-1033	2.8	13
32	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> , 1998 , 27, 911-923	1.8	18
31	Use of Physical Properties for Compositional Analysis of Ternary Mixtures. Application to Mixtures of 2-Methoxy-2-methylbutane, Methanol, and 2,2,4-Trimethylpentane or Methylcyclohexane. <i>Journal of Solution Chemistry</i> , 1998 , 27, 601-619	1.8	11
30	Measurement and prediction of isobaric vapour-liquid equilibrium data of the system ethanol+methanol+2-methoxy-2-methylpropane. <i>Fluid Phase Equilibria</i> , 1998 , 146, 139-153	2.5	13
29	Isobaric (vapour+liquid) equilibrium of (ethanol+methanol+2-methoxy-2-methylbutane). <i>Journal of Chemical Thermodynamics</i> , 1998 , 30, 1363-1372	2.9	1
28	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> , 1998 , 73, 77-83	3.5	43
27	Experimental data and modelling of apparent molar volumes, isentropic compressibilities and refractive indices in aqueous solutions of glycine + NaCl. <i>Biophysical Chemistry</i> , 1998 , 74, 165-73	3.5	64

26	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> , 1998 , 142, 193-204	2.5	21
25	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> , 1998 , 146, 351-370	2.5	22
24	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> , 1998 , 146, 161-173	2.5	15
23	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 & Engineering Data</i> , 1998 , 43, 708-713	2.8	10
22	Liquid-Liquid Equilibria of 1-Octanol + 2-Methoxy-2-methylpropane + Water + Methanol at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 255-258	2.8	13
21	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 & Engineering Data</i> , 1997 , 42, 721-726	2.8	31
20	Vapor-Liquid Equilibria of 2-Methoxy-2-methylbutane + Methanol + Water at 101.32 kPa. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 434-437	2.8	
19	Interactions of DL-serine and L-serine with NaCl and KCl in aqueous solutions. <i>Journal of Solution Chemistry</i> , 1997 , 26, 941-955	1.8	23
18	Phase equilibria of water + methanol + hexyl acetate mixtures. <i>Fluid Phase Equilibria</i> , 1997 , 128, 261-270	2.5	8
17	Vapour-liquid equilibrium data for the recovery of 1-octanol from ternary mixtures with methanol and water. <i>Fluid Phase Equilibria</i> , 1997 , 129, 187-195	2.5	3
16	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> , 1997 , 141, 207-220	2.5	15
15	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> , 1997 , 67, 97-105	3.5	25
14	Interaction of DL-threonine with NaCl and NaNO ₃ in aqueous solutions: e.m.f. measurements with ion-selective electrodes. <i>Journal of Chemical Thermodynamics</i> , 1997 , 29, 609-622	2.9	24
13	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 & Engineering Data</i> , 1996 , 41, 718-723	2.8	54
12	Densities, Refractive Indices, Speeds of Sound, and Isentropic Compressibilities of Water + Methanol + 2-Methoxy-2-methylbutane at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 724-727	2.8	23
11	Extraction equilibria of the type 2: ternary liquid mixture {x ₁ tert-butyl methyl ether + x ₂ water + (1 - x ₁ - x ₂)1-octanol} at 298.15 K and 308.15 K. <i>Journal of Chemical Thermodynamics</i> , 1996 , 28, 3-6	2.9	9
10	VLE for water + ethanol + 1-octanol mixtures. Experimental measurements and correlations. <i>Fluid Phase Equilibria</i> , 1996 , 122, 117-129	2.5	38
9	Densities, Refractive Indices, and Excess Molar Volumes of Water + Ethanol + 2-Methoxy-2-methylpropane at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 1285-1287	2.8	10

8	Isobaric Vapor-Liquid Equilibria of Water + Ethanol + Hexyl Acetate. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 1094-1096	2.8	3
7	Densities, Refractive Indices, and Excess Molar Volumes of Water + Methanol + 2-Methoxy-2-methylpropane at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 647-649 ^{2.8}		11
6	Isobaric Vapor-Liquid Equilibria of Methanol + Hexyl Acetate and Ethanol + Hexyl Acetate. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 515-518	2.8	17
5	Isobaric Vapor-Liquid Equilibria of Methanol + 1-Octanol and Ethanol + 1-Octanol Mixtures. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 1011-1014	2.8	15
4	Liquid-liquid equilibria of water + methanol + (MTBE or TAME) mixtures. <i>Canadian Journal of Chemical Engineering</i> , 1994 , 72, 935-938	2.3	23
3	Densities, refractive indexes, and excess molar volumes of water + methanol + hexyl acetate and its binary sub-mixtures at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1994 , 39, 95-97	2.8	12
2	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 & Engineering Data</i> , 1993 , 38, 336-340	2.8	48
1	Excess volumes and refractions and liquid-liquid equilibria of the ternary system water + ethanol + hexyl acetate. <i>Fluid Phase Equilibria</i> , 1993 , 87, 347-364	2.5	14