

Alberto Arce

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145
papers

5,597
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45
h-index

67
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150
ext. papers

5,876
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
145	Separation of aromatic hydrocarbons from alkanes using the ionic liquid 1-ethyl-3-methylimidazolium bis((trifluoromethyl) sulfonyl)amide. <i>Green Chemistry</i> , 2007 , 9, 70-74	10	204
144	Separation of benzene and hexane by solvent extraction with 1-alkyl-3-methylimidazolium bis((trifluoromethyl)sulfonyl)amide ionic liquids: effect of the alkyl-substituent length. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4732-6	3.4	184
143	Gasoline desulfurization using extraction with [C8mim][BF4] ionic liquid. <i>AIChE Journal</i> , 2007 , 53, 3108-3115	3.65	161
142	Ionic liquids on desulfurization of fuel oils. <i>Fluid Phase Equilibria</i> , 2010 , 294, 39-48	2.5	155
141	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
140	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
139	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
138	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
137	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
136	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
135	Extractive and oxidative-extractive desulfurization of fuels with ionic liquids. <i>Fuel</i> , 2014 , 117, 882-889	7.1	102
134	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
133	Mutually immiscible ionic liquids. <i>Chemical Communications</i> , 2006 , 2548-50	5.8	99
132	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
131	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
130	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
129	Absorption of Carbon Dioxide in Two Binary Mixtures of Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 5975-5984	3.9	91

128	Use of a green and cheap ionic liquid to purify gasoline octane boosters. <i>Green Chemistry</i> , 2007 , 9, 247-253		81
127	Application of mutually immiscible ionic liquids to the separation of aromatic and aliphatic hydrocarbons by liquid extraction: a preliminary approach. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2538-42	3.6	77
126	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
125	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
124	Solubilities and diffusivities of water vapor in poly(methylmethacrylate), poly(2-hydroxyethylmethacrylate), poly(N-vinyl-2-pyrrolidone) and poly(acrylonitrile). <i>Polymer</i> , 2003 , 44, 6323-6333	3.9	74
123	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
122	(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
121	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
120	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
119	Liquid-Liquid Equilibria of the Ternary Mixtures Water + Propanoic Acid + Methyl Ethyl Ketone and Water + Propanoic Acid + Methyl Propyl Ketone. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 225-229	2.8	71
118	Essential oil terpenes by extraction using organic solvents or ionic liquids. <i>AIChE Journal</i> , 2006 , 52, 2089-2097	3.6	65
117	Physical and equilibrium properties of diisopropyl ether+isopropyl alcohol+water system. <i>Fluid Phase Equilibria</i> , 2000 , 170, 113-126	2.5	65
116	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
115	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> , 2010 , 39, 371-383	1.8	61
114	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
113	Phase equilibria of mixtures of mutually immiscible ionic liquids. <i>Fluid Phase Equilibria</i> , 2007 , 261, 427-433	5	61
112	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
111	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	3.8	54

110	Liquid-liquid equilibria of the ternary system water + propanoic acid + methyl isobutyl ketone at various temperatures. <i>Journal of Chemical & Engineering Data</i> , 1993 , 38, 201-203	2.8	53
109	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
108	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
107	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
106	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
105	Liquid-liquid equilibria of the system water + acetic acid + methyl isopropyl ketone between 25 and 55.degree.C. <i>Journal of Chemical & Engineering Data</i> , 1989 , 34, 415-419	2.8	51
104	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
103	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
102	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
101	Sorption and transport of water vapor in thin polymer films at 35 °C. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 103-108	3.6	45
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	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

92	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
91	VLE for water + ethanol + 1-octanol mixtures. Experimental measurements and correlations. <i>Fluid Phase Equilibria</i> , 1996 , 122, 117-129	2.5	38
90	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
89	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
88	Citrus Essential Oil Deterpenation by Liquid-Liquid Extraction. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 83, 366-370	2.3	36
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	(Vapour+liquid) equilibrium of (DIPE+IPA+water) at 101.32kPa. <i>Journal of Chemical Thermodynamics</i> , 2003 , 35, 871-884	2.9	27
77	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
76	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
75	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

74	Liquid-Liquid equilibria of limonene+linalool+diethylene glycol system at different temperatures. <i>Chemical Engineering Journal</i> , 2002 , 89, 223-227	14.7	24
73	Liquid-Liquid Equilibria of Water + Methanol + 1-Octanol and Water + Ethanol + 1-Octanol at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 1994 , 39, 378-380	2.8	24
72	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
71	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
70	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
69	Liquid-liquid equilibria of (MTBE or TAME) + ethanol + water mixtures. <i>Canadian Journal of Chemical Engineering</i> , 1996 , 74, 419-422	2.3	23
68	Liquid-liquid equilibria of water + methanol + (MTBE or TAME) mixtures. <i>Canadian Journal of Chemical Engineering</i> , 1994 , 72, 935-938	2.3	23
67	Measurements of the density, refractive index, electrical conductivity, thermal conductivity and dynamic viscosity for tributylmethylphosphonium and methylsulfate based ionic liquids. <i>Thermochimica Acta</i> , 2018 , 664, 81-90	2.9	22
66	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
65	LLE data for the systems water + (methanol or ethanol) + n-amyl acetate. <i>Fluid Phase Equilibria</i> , 1995 , 109, 291-297	2.5	21
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	Phase stability of the system limonene+linalool+2-aminoethanol. <i>Fluid Phase Equilibria</i> , 2004 , 226, 121-127	2.5	18

56	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
55	Liquid-Liquid equilibria of the system water + acetic acid + methyl ethyl ketone at several temperatures. <i>Fluid Phase Equilibria</i> , 1987 , 32, 151-162	2.5	18
54	Activities of aqueous . <i>Chemical Engineering Science</i> , 2007 , 62, 3849-3857	4.4	17
53	Liquid-Liquid Equilibria of the Systems Ethyl Acetate + Ethanol + Water, Butyl Acetate + Ethanol + Water, and Ethyl Acetate + Butyl Acetate + Water.. <i>Journal of Chemical Engineering of Japan</i> , 1999 , 32, 440-444	0.8	17
52	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
51	Chiral co-ordination of bridging formamido-ligands in clusters of type [HO ₃ (CO) ₁₀ (μ -RNHCO)]. <i>Journal of the Chemical Society Chemical Communications</i> , 1980 , 1102-1103		16
50	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
49	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
48	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
47	Optimization of UNIQUAC structural parameters for individual mixtures; application to new experimental liquid-liquid equilibrium data for aqueous solutions of methanol and ethanol with isoamyl acetate. <i>Fluid Phase Equilibria</i> , 1994 , 93, 285-295	2.5	15
46	(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
45	Determination and correlation of liquid-liquid equilibrium data for the quaternary system 1-octanol+2-methoxy-2-methylbutane+water+ethanol at 25°C. <i>Fluid Phase Equilibria</i> , 1999 , 158-160, 949-960	2.5	14
44	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
43	Measurement of Ion Activity Coefficients in Aqueous Solutions of Mixed Electrolyte with a Common Ion: NaNO ₃ + KNO ₃ , NaCl + KCl, and NaBr + NaCl. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 345-350	2.8	13
42	Effect of the reference solution in the measurement of ion activity coefficients using cells with transference at T=298.15K. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 244-250	2.9	13
41	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
40	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
39	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

38	Liquid-liquid interfacial tension of equilibrated mixtures of ionic liquids and hydrocarbons. <i>Science China Chemistry</i> , 2012 , 55, 1519-1524	7.9	12
37	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
36	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
35	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
34	Vapour-liquid equilibria of pyridine + acetate mixtures at 101.325 kPa. <i>Collection of Czechoslovak Chemical Communications</i> , 1991 , 56, 2773-2785		12
33	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
32	Preparation of metal oxide nanoparticles in ionic liquid medium. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	11
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	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
29	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
28	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
27	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
26	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
25	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
24	Answer to Comment on individual ion activities of Na ⁺ and Cl ⁻ by Arce, Wilczek-Vera and Vera by F. Malatesta. <i>Chemical Engineering Science</i> , 2010 , 65, 2263-2264	4.4	8
23	Phase equilibria of water + methanol + hexyl acetate mixtures. <i>Fluid Phase Equilibria</i> , 1997 , 128, 261-270	2.5	8
22	(Liquid+liquid) equilibrium of (dibutyl ether+methanol+water) at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 1007-1012	2.9	8
21	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

20	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
19	Liquid-Liquid Equilibrium for tert-Amyl Ethyl Ether + Methanol + Water. <i>Journal of Chemical & Engineering Data</i> , 2001 , 46, 557-561	2.8	8
18	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
17	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
16	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
15	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
14	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
13	Polyethylene glycol (1500 or 600) -potassium tartrate aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2018 , 470, 120-125	2.5	5
12	Liquid extraction equilibria of type 2: (tert-amyl methyl ether + 1-octonal + water) at T=(298.15 and 308.15) K. <i>Journal of Chemical Thermodynamics</i> , 1998 , 30, 799-804	2.9	4
11	Vapor-liquid equilibrium of the system ethanol + benzene + cyclohexane at 760 mm mercury. <i>Journal of Chemical & Engineering Data</i> , 1987 , 32, 247-250	2.8	4
10	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
9	Isobaric Vapor-Liquid Equilibria of Water + Ethanol + Hexyl Acetate. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 1094-1096	2.8	3
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6	Solubility Issues in Environmental Pollution 2007 , 411-427		1
5	Analysis of the relationship between ternary mixtures and their binary sub-systems as represented by the uniquac and nrtl models. <i>Thermochimica Acta</i> , 1995 , 261, 59-68	2.9	1
4	Analysis of the relationship between ternary mixtures and their binary subsystems as represented by the uniquac and nrtl models. <i>Thermochimica Acta</i> , 1995 , 260, 105-114	2.9	1
3	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

- 2 Revising Concepts on Liquid-Liquid Extraction: Data Treatment and Data Reliability. *Journal of Chemical & Engineering Data*, **2022**, 67, 286-296 2.8 0
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