

Eugnia A Macedo

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160
papers

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165
ext. papers

5,989
ext. citations

3.8
avg, IF

5.83
L-index

#	Paper	IF	Citations
160	Solubility of NaCl, NaBr, and KCl in Water, Methanol, Ethanol, and Their Mixed Solvents. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 29-32	2.8	259
159	Temperature Dependence and Structural Influence on the Thermophysical Properties of Eleven Commercial Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 2492-2504	3.9	142
158	Calculation of phase equilibria for solutions of strong electrolytes in solvent-water mixtures. <i>Chemical Engineering Science</i> , 1990 , 45, 875-882	4.4	139
157	Immobilization of commercial laccase onto green coconut fiber by adsorption and its application for reactive textile dyes degradation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011 , 72, 6-12		107
156	Temperature and solvent effects in the solubility of some pharmaceutical compounds: Measurements and modeling. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 37, 499-507	5.1	99
155	Unified approach to the self-diffusion coefficients of dense fluids over wide ranges of temperature and pressure—hard-sphere, square-well, Lennard-Jones and real substances. <i>Chemical Engineering Science</i> , 1998 , 53, 2403-2422	4.4	98
154	1-Octanol/Water Partition Coefficients of n-Alkanes from Molecular Simulations of Absolute Solvation Free Energies. <i>Journal of Chemical Theory and Computation</i> , 2009 , 5, 2436-46	6.4	96
153	Ionic liquids as alternative co-solvents for laccase: study of enzyme activity and stability. <i>Biotechnology and Bioengineering</i> , 2008 , 101, 201-7	4.9	83
152	Solubilities of biologically active phenolic compounds: measurements and modeling. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 3469-76	3.4	77
151	Representation of salt solubility in mixed solvents: A comparison of thermodynamic models. <i>Fluid Phase Equilibria</i> , 1996 , 116, 209-216	2.5	77
150	Equation of state modelling of systems with ionic liquids: Literature review and application with the Cubic Plus Association (CPA) model. <i>Fluid Phase Equilibria</i> , 2012 , 332, 128-143	2.5	74
149	Solid-liquid equilibrium of D-lactose in ethanol/water. <i>Fluid Phase Equilibria</i> , 2000 , 173, 121-134	2.5	74
148	Effect of the Integration Method on the Accuracy and Computational Efficiency of Free Energy Calculations Using Thermodynamic Integration. <i>Journal of Chemical Theory and Computation</i> , 2010 , 6, 1018-1027	6.4	71
147	Solubility of Amino Acids: A Group-Contribution Model Involving Phase and Chemical Equilibria. <i>Industrial & Engineering Chemistry Research</i> , 1994 , 33, 1341-1347	3.9	70
146	New Equations for Tracer Diffusion Coefficients of Solutes in Supercritical and Liquid Solvents Based on the Lennard-Jones Fluid Model. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 2462-2472	3.9	68
145	Physical and Excess Properties of Eight Binary Mixtures Containing Water and Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2165-2176	2.8	66
144	A modified UNIFAC model for the calculation of thermodynamic properties of aqueous and non-aqueous solutions containing sugars. <i>Fluid Phase Equilibria</i> , 1997 , 139, 47-74	2.5	66

143	Thermodynamic properties of sugars in aqueous solutions: correlation and prediction using a modified UNIQUAC model. <i>Fluid Phase Equilibria</i> , 1996 , 123, 71-95	2.5	66
142	Effect of KCl and Na ₂ SO ₄ on the Solubility of Glycine and dl-Alanine in Water at 298.15 K. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 8892-8898	3.9	61
141	Solubility of sugars and sugar alcohols in ionic liquids: measurement and PC-SAFT modeling. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 9980-95	3.4	59
140	Thermal Analysis and Heat Capacities of 1-Alkyl-3-methylimidazolium Ionic Liquids with NTf ₂ ⁻ TFO ⁻ and DCA ⁻ Anions. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 2103-2110	3.9	59
139	KCl effect on the solubility of five different amino acids in water. <i>Fluid Phase Equilibria</i> , 2007 , 255, 131-137	5	59
138	Effect of the temperature on the physical properties of pure 1-propyl 3-methylimidazolium bis(trifluoromethylsulfonyl)imide and characterization of its binary mixtures with alcohols. <i>Journal of Chemical Thermodynamics</i> , 2012 , 45, 9-15	2.9	57
137	Application of statistical experimental methodology to optimize reactive dye decolourization by commercial laccase. <i>Journal of Hazardous Materials</i> , 2009 , 162, 1255-60	12.8	57
136	Immobilization of commercial laccase on spent grain. <i>Process Biochemistry</i> , 2012 , 47, 1095-1101	4.8	56
135	Green coconut fiber: a novel carrier for the immobilization of commercial laccase by covalent attachment for textile dyes decolourization. <i>World Journal of Microbiology and Biotechnology</i> , 2012 , 28, 2827-38	4.4	56
134	Immobilization of laccase on modified silica: stabilization, thermal inactivation and kinetic behaviour in 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid. <i>Bioresource Technology</i> , 2013 , 131, 405-12	11	55
133	Phase Equilibria in Sugar Solutions Using the A-UNIFAC Model. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 6212-6222	3.9	55
132	Thermophysical Properties of the Pure Ionic Liquid 1-Butyl-1-methylpyrrolidinium Dicyanamide and Its Binary Mixtures with Alcohols. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1440-1448	2.8	53
131	Kinetic modelling and simulation of laccase catalyzed degradation of reactive textile dyes. <i>Bioresource Technology</i> , 2008 , 99, 4768-74	11	53
130	Diffusion Coefficients of Ethers in Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 1490-1498	3.9	52
129	Excess properties of binary mixtures containing 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid and polar organic compounds. <i>Journal of Chemical Thermodynamics</i> , 2012 , 47, 300-311	2.9	51
128	Osmotic coefficients of aqueous solutions of four ionic liquids at T=(313.15 and 333.15) K. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1346-1351	2.9	51
127	Synthesis and temperature dependence of physical properties of four pyridinium-based ionic liquids: Influence of the size of the cation. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1324-1329	2.9	50
126	Modeling and measurements of solid-liquid and vapor-liquid equilibria of polyols and carbohydrates in aqueous solution. <i>Carbohydrate Research</i> , 2002 , 337, 1563-71	2.9	50

125	Modeling thermodynamic properties of aqueous single-solute and multi-solute sugar solutions with PC-SAFT. <i>AIChE Journal</i> , 2013 , 59, 4794-4805	3.6	49
124	LLE for (water+ionic liquid) binary systems using [Cxmim][BF ₄] (x=6, 8) ionic liquids. <i>Fluid Phase Equilibria</i> , 2010 , 296, 184-191	2.5	49
123	Synthesis and Physical Properties of 1-Ethyl 3-methylpyridinium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1824-1828	2.8	48
122	Osmotic coefficients of binary mixtures of four ionic liquids with ethanol or water at T=(313.15 and 333.15)K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 11-16	2.9	47
121	Modelling of phase equilibria for associating mixtures using an equation of state. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 1105-1117	2.9	47
120	High-pressure solubilities of carbon dioxide in ionic liquids based on bis(trifluoromethylsulfonyl)imide and chloride. <i>Journal of Supercritical Fluids</i> , 2012 , 65, 1-10	4.2	46
119	Effect of Aqueous Two-Phase System Constituents in Different Poly(ethylene glycol) Salt Phase Diagrams. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1203-1208	2.8	46
118	Modeling the discoloration of a mixture of reactive textile dyes by commercial laccase. <i>Bioresource Technology</i> , 2009 , 100, 1094-9	11	46
117	Phase equilibria of d-glucose and sucrose in mixed solvent mixtures: Comparison of UNIQUAC 1-based models. <i>Carbohydrate Research</i> , 1997 , 303, 135-151	2.9	46
116	Generalised free-volume theory for transport properties and new trends about the relationship between free volume and equations of state. <i>Fluid Phase Equilibria</i> , 2002 , 202, 89-107	2.5	46
115	The MHV2 model: a UNIFAC-based equation of state model for vapor-liquid and liquid-liquid equilibria of mixtures with strong electrolytes. <i>Industrial & Engineering Chemistry Research</i> , 1992 , 31, 1195-1201	3.9	46
114	Thermal analysis and heat capacities of pyridinium and imidazolium ionic liquids. <i>Thermochimica Acta</i> , 2013 , 565, 178-182	2.9	43
113	Solubility of high-value compounds in ethyl lactate: Measurements and modeling. <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 93-100	2.9	42
112	Physicochemical Characterization of the PEG8000-Na ₂ SO ₄ Aqueous Two-Phase System. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 8199-8204	3.9	42
111	Models for self-diffusion coefficients of dense fluids, including hydrogen-bonding substances. <i>Chemical Engineering Science</i> , 1998 , 53, 2423-2429	4.4	41
110	Effect of the temperature on the physical properties of the pure ionic liquid 1-ethyl-3-methylimidazolium methylsulfate and characterization of its binary mixtures with alcohols. <i>Journal of Chemical Thermodynamics</i> , 2014 , 74, 193-200	2.9	40
109	Thermodynamics of Ternary Mixtures Containing Sugars. SLE of d-Fructose in Pure and Mixed Solvents. Comparison between Modified UNIQUAC and Modified UNIFAC. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 4633-4640	3.9	40
108	Physical Properties of the Pure Deep Eutectic Solvent, [ChCl]:[Lev] (1:2) DES, and Its Binary Mixtures with Alcohols. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 4191-4202	2.8	39

107	Solubility of xylitol and sorbitol in ionic liquids [Experimental data and modeling. <i>Journal of Chemical Thermodynamics</i> , 2012 , 55, 184-192	2.9	39
106	The Effect of Salts on the Liquid-Liquid Phase Equilibria of PEG600 + Salt Aqueous Two-Phase Systems. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 3528-3535	2.8	39
105	Correlations between distribution coefficients of various biomolecules in different polymer/polymer aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2008 , 267, 150-157	2.5	39
104	Binary diffusion coefficients of α -pinene and β -pinene in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004 , 32, 167-175	4.2	39
103	Comparison between Different Explicit Expressions of the Effective Hard Sphere Diameter of Lennard-Jones Fluid: Application to Self-Diffusion Coefficients. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 221-227	3.9	39
102	Accurate correlations for the self-diffusion coefficients of CO ₂ , CH ₄ , C ₂ H ₄ , H ₂ O, and D ₂ O over wide ranges of temperature and pressure. <i>Journal of Supercritical Fluids</i> , 1995 , 8, 310-317	4.2	39
101	Prediction of the n-hexane/water and 1-octanol/water partition coefficients for environmentally relevant compounds using molecular simulation. <i>AIChE Journal</i> , 2012 , 58, 1929-1938	3.6	38
100	Activity Coefficient and Solubility of Amino Acids in Water by the Modified Wilson Model. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 3200-3204	3.9	38
99	Solubility of monosaccharides in ionic liquids [Experimental data and modeling. <i>Fluid Phase Equilibria</i> , 2012 , 314, 22-28	2.5	36
98	Liquid-Liquid Equilibria of UCON + (Sodium or Potassium) Phosphate Salt Aqueous Two-Phase Systems at 23 °C. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1285-1288	2.8	35
97	Fructose and Glucose Dissolution in Ionic Liquids: Solubility and Thermodynamic Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 3424-3435	3.9	34
96	Study of the alkyl chain length on laccase stability and enzymatic kinetic with imidazolium ionic liquids. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 164, 524-33	3.2	34
95	Studies of laccase from <i>Trametes versicolor</i> in aqueous solutions of several methylimidazolium ionic liquids. <i>Bioresource Technology</i> , 2011 , 102, 7494-9	11	34
94	"On the Collander equation": protein partitioning in polymer/polymer aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2008 , 1190, 39-43	4.5	34
93	Perspectives on the biotechnological production and potential applications of lactosucrose: A review. <i>Journal of Functional Foods</i> , 2015 , 19, 74-90	5.1	33
92	Density of Mixtures Containing Sugars and Ionic Liquids: Experimental Data and PC-SAFT Modeling. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2942-2954	2.8	33
91	Optimisation of reactive textile dyes degradation by laccase-mediated system. <i>Journal of Chemical Technology and Biotechnology</i> , 2008 , 83, 1609-1615	3.5	33
90	Toward Thermodynamic Predictions of Aqueous Vitamin Solubility: An Activity Coefficient-Based Approach. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 7362-7369	3.9	31

89	Effect of the number, position and length of alkyl chains on the physical properties of polysubstituted pyridinium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 69, 19-26	2.9	31
88	Interference of some aqueous two-phase system phase-forming components in protein determination by the Bradford method. <i>Analytical Biochemistry</i> , 2012 , 421, 719-24	3.1	31
87	Osmotic and apparent molar properties of binary mixtures alcohol+1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2013 , 61, 64-73	2.9	31
86	A new modified Wilson equation for the calculation of vapor-liquid equilibrium of aqueous polymer solutions. <i>Fluid Phase Equilibria</i> , 2003 , 213, 53-63	2.5	31
85	Using molecular simulation to predict solute solvation and partition coefficients in solvents of different polarity. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9155-64	3.6	30
84	Measurement and Modeling of Solubilities of d-Glucose in Water/Alcohol and Alcohol/Alcohol Systems. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 2816-2820	3.9	30
83	Infinite Dilution Diffusion Coefficients of Linalool and Benzene in Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 1351-1354	2.8	30
82	Acoustic, volumetric and osmotic properties of binary mixtures containing the ionic liquid 1-butyl-3-methylimidazolium dicyanamide mixed with primary and secondary alcohols. <i>Journal of Chemical Thermodynamics</i> , 2012 , 50, 19-29	2.9	29
81	$\kappa(\text{CH}_2)$ in PEGSalt and UconSalt Aqueous Two-Phase Systems. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1622-1625	2.8	29
80	(Liquid+liquid) equilibria of polymer-salt aqueous two-phase systems for laccase partitioning: UCON 50-HB-5100 with potassium citrate and (sodium or potassium) formate at 23°C. <i>Journal of Chemical Thermodynamics</i> , 2012 , 55, 166-171	2.9	27
79	Representation of solubilities of amino acids using the uniquac model for electrolytes. <i>Chemical Engineering Science</i> , 1994 , 49, 3803-3812	4.4	27
78	Dissolution and Fractionation of nut shells in ionic liquids. <i>Bioresource Technology</i> , 2017 , 227, 188-196	11	26
77	Relative hydrophobicity of equilibrium phases in biphasic systems (ionic liquid + water). <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 221-228	2.9	26
76	The effect of ammonium sulfate on the solubility of amino acids in water at (298.15 and 323.15) K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 193-196	2.9	26
75	Osmotic coefficients of binary mixtures of 1-butyl-3-methylimidazolium methylsulfate and 1,3-dimethylimidazolium methylsulfate with alcohols at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 617-622	2.9	26
74	Application of the GCA-EoS model to the supercritical processing of fatty oil derivatives. <i>Journal of Food Engineering</i> , 2005 , 70, 579-587	6	26
73	Thermal behavior and heat capacities of pyrrolidinium-based ionic liquids by DSC. <i>Fluid Phase Equilibria</i> , 2018 , 470, 51-59	2.5	24
72	Solute partitioning in polymerSalt ATPS: The Collander equation. <i>Fluid Phase Equilibria</i> , 2010 , 296, 173-175	2.4	24

71	Recovery of Peniophora cinerea laccase using aqueous two-phase systems composed by ethylene oxide/propylene oxide copolymer and potassium phosphate salts. <i>Journal of Chromatography A</i> , 2013 , 1321, 14-20	4.5	23
70	Sequential decolourization of reactive textile dyes by laccase mediator system. <i>Journal of Chemical Technology and Biotechnology</i> , 2009 , 84, 442-446	3.5	23
69	DeltaG(CH ₂) as solvent descriptor in polymer/polymer aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2008 , 1185, 85-92	4.5	23
68	Influence of the Molecular Weight of PEG on the Polymer/Salt Phase Diagrams of Aqueous Two-Phase Systems. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 4229-4235	2.8	22
67	Study of the influence of the structure of the alcohol on vapor pressures and osmotic coefficients of binary mixtures alcohol+1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at T=323.15K. <i>Fluid Phase Equilibria</i> , 2012 , 313, 38-45	2.5	21
66	Physical Properties of Binary Alcohol + Ionic Liquid Mixtures at Several Temperatures and Atmospheric Pressure. <i>Journal of Solution Chemistry</i> , 2013 , 42, 746-763	1.8	21
65	Laccase production by free and immobilized mycelia of Peniophora cinerea and Trametes versicolor: a comparative study. <i>Bioprocess and Biosystems Engineering</i> , 2013 , 36, 365-73	3.7	20
64	Treatment and kinetic modelling of a simulated dye house effluent by enzymatic catalysis. <i>Bioresource Technology</i> , 2009 , 100, 6236-42	11	20
63	Solubility of l-serine, l-threonine and l-isoleucine in aqueous aliphatic alcohol solutions. <i>Fluid Phase Equilibria</i> , 2008 , 270, 1-9	2.5	20
62	New Modified Wilson Model for Electrolyte Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 5702-5707	3.9	20
61	Prediction of protein partition in polymer/salt aqueous two-phase systems using the modified Wilson model. <i>Biochemical Engineering Journal</i> , 2005 , 24, 147-155	4.2	20
60	New Galactosidase producers with potential for prebiotic synthesis. <i>Bioresource Technology</i> , 2018 , 250, 131-139	11	20
59	Predicting hydration Gibbs energies of alkyl-aromatics using molecular simulation: a comparison of current force fields and the development of a new parameter set for accurate solvation data. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 17384-94	3.6	19
58	Vapour pressures and osmotic coefficients of binary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate and 1-ethyl-3-methylpyridinium ethylsulfate with alcohols at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 1439-1445	2.9	19
57	Gibbs free energy of transfer of a methylene group on {UCON + (sodium or potassium) phosphate salts} aqueous two-phase systems: Hydrophobicity effects. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1063-1069	2.9	19
56	Cutinase activity in supercritical and organic media: water activity, solvation and acid-base effects. <i>Journal of Supercritical Fluids</i> , 2005 , 35, 62-69	4.2	19
55	Effect of molecular weight of polyethylene glycol on the partitioning of DNP-amino acids: PEG (4000, 6000) with sodium citrate at 298.15 K. <i>Fluid Phase Equilibria</i> , 2016 , 428, 84-91	2.5	18
54	Determination and modelling of osmotic coefficients and vapour pressures of binary systems 1- and 2-propanol with C _n MimNTF ₂ ionic liquids (n = 2, 3, and 4) at T = 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1256-1262	2.9	18

53	Vapour pressures, osmotic and activity coefficients for binary mixtures containing (1-ethylpyridinium ethylsulfate + several alcohols) at T = 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 625-630	2.9	18
52	Separation of carbohydrates and sugar alcohols from ionic liquids using antisolvents. <i>Separation and Purification Technology</i> , 2014 , 132, 496-504	8.3	17
51	Kinetic modelling of decyl acetate synthesis by immobilized lipase-catalysed transesterification of vinyl acetate with decanol in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2009 , 50, 138-145	4.2	17
50	Biocatalytic Approaches Using Lactulose: End Product Compared with Substrate. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2016 , 15, 878-896	16.4	17
49	Measurement and modeling of osmotic coefficients of binary mixtures (alcohol+1,3-dimethylpyridinium methylsulfate) at T=323.15K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 908-913	2.9	16
48	Liquid-Liquid Equilibrium of Aqueous Polymer Two-Phase Systems Using the Modified Wilson Equation. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 2328-2332	3.9	16
47	Representation of liquid-liquid equilibria for polymer-aqueous two-phase systems. <i>Chemical Engineering Science</i> , 2004 , 59, 1153-1159	4.4	16
46	Viscosity of pure supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2005 , 36, 106-117	4.2	16
45	Free Energy of Transfer of a Methylene Group in Biphasic Systems of Water and Ionic Liquids [C3mpip][NTf2], [C3mpyr][NTf2], and [C4mpyr][NTf2]. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8061-8068	3.9	15
44	Calculation of drug-like molecules solubility using predictive activity coefficient models. <i>Fluid Phase Equilibria</i> , 2012 , 322-323, 48-55	2.5	15
43	Molecular simulation of the hydration Gibbs energy of barbiturates. <i>Fluid Phase Equilibria</i> , 2010 , 289, 148-155	2.5	15
42	Water solubility of drug-like molecules with the cubic-plus-association equation of state. <i>Fluid Phase Equilibria</i> , 2010 , 298, 75-82	2.5	15
41	Effect of the relative humidity and isomeric structure on the physical properties of pyridinium based-ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015 , 86, 96-105	2.9	14
40	Phase equilibria of binary mixtures (ionic liquid+aromatic hydrocarbon): Effect of the structure of the components on the solubility. <i>Fluid Phase Equilibria</i> , 2013 , 360, 416-422	2.5	14
39	Solubility of drug-like molecules in pure organic solvents with the CPA EoS. <i>Fluid Phase Equilibria</i> , 2011 , 303, 62-70	2.5	14
38	Osmotic coefficients and apparent molar volumes of 1-hexyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid in alcohols. <i>Journal of Chemical Thermodynamics</i> , 2014 , 69, 93-100	2.9	13
37	Thermodynamic Modeling of Several Aqueous Alkanol Solutions Containing Amino Acids with the Perturbed-Chain Statistical Associated Fluid Theory Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 5498-5505	3.9	13
36	Recovery of flavonoids using novel biodegradable choline amino acids ionic liquids based ATPS. <i>Fluid Phase Equilibria</i> , 2019 , 493, 1-9	2.5	12

35	Liquid-liquid equilibria of binary systems {benzene + [x-Mim][NTf2] ionic liquid}: Experimental data and thermodynamic modeling using a group contribution equation of state. <i>Fluid Phase Equilibria</i> , 2014 , 362, 163-169	2.5	12
34	Liquid-liquid equilibria of mixtures with ethyl lactate and various hydrocarbons. <i>Fluid Phase Equilibria</i> , 2012 , 320, 38-42	2.5	12
33	Trihexyl(tetradecyl)phosphonium bromide: Liquid density, surface tension and solubility of carbondioxide. <i>Fluid Phase Equilibria</i> , 2012 , 324, 8-12	2.5	12
32	Prediction of thermodynamic properties using a modified UNIFAC model: application to sugar industrial systems. <i>Fluid Phase Equilibria</i> , 1999 , 158-160, 391-399	2.5	12
31	Infinite-dilution activity coefficients by comparative ebulliometry: five systems containing ethyl formate. <i>Fluid Phase Equilibria</i> , 1993 , 85, 171-179	2.5	12
30	Partitioning of DNP-amino acids in ionic liquid/citrate salt based Aqueous Two-Phase System. <i>Fluid Phase Equilibria</i> , 2019 , 484, 82-87	2.5	12
29	Polyethylene glycol 8000+ citrate salts aqueous two-phase systems: Relative hydrophobicity of the equilibrium phases. <i>Fluid Phase Equilibria</i> , 2016 , 407, 298-303	2.5	11
28	Stability and kinetic behavior of immobilized laccase from <i>Myceliophthora thermophila</i> in the presence of the ionic liquid 1-ethyl-3-methylimidazolium ethylsulfate. <i>Biotechnology Progress</i> , 2014 , 30, 790-6	2.8	11
27	Partitioning of DNP-Amino Acids in New Biodegradable Choline Amino Acid/Ionic Liquid-Based Aqueous Two-Phase Systems. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4733-4740	2.8	10
26	Effect of different organic salts on amino acids partition behaviour in PEG-salt ATPS. <i>Fluid Phase Equilibria</i> , 2018 , 456, 84-91	2.5	10
25	Solubility Enhancement of Vitamins in Water in the Presence of Covitamins: Measurements and ePC-SAFT Predictions. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 21761-21771	3.9	10
24	Vapor-liquid equilibrium for the systems ethyl formate-methyl ethyl ketone, ethyl formate-toluene and ethyl formate-methyl ethyl ketone-toluene: new unifac parameters for interactions between the groups ACH/HCOO, ACCH2/HCOO and CH2Co/HCOO. <i>Fluid Phase Equilibria</i> , 1984 , 18, 197-210	2.5	10
23	Cation effect on the (PEG 8000 + sodium sulfate) and (PEG 8000 + magnesium sulfate) aqueous two-phase system: Relative hydrophobicity of the equilibrium phases. <i>Journal of Chemical Thermodynamics</i> , 2015 , 91, 321-326	2.9	9
22	Influence of the number, position and length of the alkyl-substituents on the solubility of water in pyridinium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2014 , 383, 72-77	2.5	9
21	Kinetic and Stability Study of the Peroxidase Inhibition in Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10810-10815	3.9	9
20	Activity coefficients at infinite dilution for different alcohols and ketones in [EMpy][ESO4]: Experimental data and modeling with PC-SAFT. <i>Fluid Phase Equilibria</i> , 2016 , 424, 32-40	2.5	8
19	Factors affecting water colour removal by tyrosinase. <i>International Journal of Environmental Studies</i> , 2013 , 70, 316-326	1.8	8
18	Ionic Liquids-Based Aqueous Biphasic Systems with Citrate Biodegradable Salts. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1103-1108	2.8	6

17	Infinite-dilution activity coefficients by comparative ebulliometry. Binary systems containing chloroform and diethylamine. <i>Fluid Phase Equilibria</i> , 1994 , 95, 149-162	2.5	6
16	(Vapor + liquid) equilibria of alcohol + 1-methyl-1-propylpiperidinium triflate ionic liquid: VPO measurements and modeling. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 183-190	2.9	5
15	Peroxidase biocatalysis in water-soluble ionic liquids: activity, kinetic and thermal stability. <i>Biocatalysis and Biotransformation</i> , 2012 , 30, 417-425	2.5	4
14	Optimization of laccase catalyzed degradation of reactive textile dyes in supercritical carbon dioxide medium by response surface methodology. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010 , 99, 311	1.6	4
13	Study of Liquid-Liquid Equilibrium of Aqueous Two-Phase Systems Based on Ethyl Lactate and Partitioning of Rutin and Quercetin. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 21196-21204	3.9	4
12	Solubility of DNP-amino acids and their partitioning in biodegradable ATPS: Experimental and ePC-SAFT modeling. <i>Fluid Phase Equilibria</i> , 2021 , 527, 112830	2.5	4
11	Influence of the alkyl chain cation position on thermal behaviour: (1,2) and (1,4) pyridinium Bis(trifluoromethylsulfonyl)imide - Based ionic liquids. <i>Fluid Phase Equilibria</i> , 2020 , 519, 112658	2.5	3
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9	Partitioning of water-soluble vitamins in biodegradable aqueous two-phase systems: Electrolyte perturbed-chain statistical associating fluid theory predictions and experimental validation. <i>AIChE Journal</i> , 2020 , 66, e16984	3.6	3
8	Thermodynamic study of ATPS involving ethyl lactate and different inorganic salts. <i>Separation and Purification Technology</i> , 2021 , 275, 119155	8.3	3
7	Application of a group contribution equation of state to model the phase behavior of mixtures containing alkanes and ionic liquids. <i>Fluid Phase Equilibria</i> , 2015 , 387, 32-37	2.5	2
6	χ (CH ₂) in Biphasic Systems of Water and Bis(trifluoromethylsulfonyl)Imide-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1565-1570	2.8	1
5	Hydrophobic deep eutectic solvents as extraction agents of nitrophenolic pollutants from aqueous systems. <i>Environmental Technology and Innovation</i> , 2022 , 25, 102170	7	1
4	Determining the dissociation extent of ionic liquids in water using the PDH χ -UNIQUAC model. <i>Journal of Molecular Liquids</i> , 2022 , 348, 118403	6	1
3	Calculating the closest approach parameter for ethyl lactate-based ATPS. <i>Fluid Phase Equilibria</i> , 2022 , 556, 113389	2.5	0
2	Activity and Osmotic Coefficients of Binary Mixtures of NTF ₂ Ionic Liquids with a Primary Alcohol. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 4123-4130	2.8	
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