

# Eug nia A Macedo

## List of Publications by Year in descending order

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163  
papers

6,464  
citations

44042

48  
h-index

95218

68  
g-index

165  
all docs

165  
docs citations

165  
times ranked

5180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solubility of NaCl, NaBr, and KCl in Water, Methanol, Ethanol, and Their Mixed Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2005, 50, 29-32.	1.0	326
2	Temperature Dependence and Structural Influence on the Thermophysical Properties of Eleven Commercial Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 2492-2504.	1.8	171
3	Calculation of phase equilibria for solutions of strong electrolytes in solvent-water mixtures. <i>Chemical Engineering Science</i> , 1990, 45, 875-882.	1.9	155
4	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.	1.8	127
5	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.	1.9	117
6	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.	1.9	115
7	1-Octanol/Water Partition Coefficients of <i>n</i> -Alkanes from Molecular Simulations of Absolute Solvation Free Energies. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 2436-2446.	2.3	115
8	Ionic liquids as alternative co-solvents for laccase: Study of enzyme activity and stability. <i>Biotechnology and Bioengineering</i> , 2008, 101, 201-207.	1.7	91
9	Solubilities of Biologically Active Phenolic Compounds: Measurements and Modeling. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3469-3476.	1.2	89
10	Representation of salt solubility in mixed solvents: A comparison of thermodynamic models. <i>Fluid Phase Equilibria</i> , 1996, 116, 209-216.	1.4	86
11	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.	2.3	83
12	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.	1.4	82
13	Solubility of Amino Acids: A Group-Contribution Model Involving Phase and Chemical Equilibria. <i>Industrial &amp; Engineering Chemistry Research</i> , 1994, 33, 1341-1347.	1.8	81
14	Solid-liquid equilibrium of $\beta$ -lactose in ethanol/water. <i>Fluid Phase Equilibria</i> , 2000, 173, 121-134.	1.4	80
15	Physical and Excess Properties of Eight Binary Mixtures Containing Water and Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 2165-2176.	1.0	80
16	New Equations for Tracer Diffusion Coefficients of Solutes in Supercritical and Liquid Solvents Based on the Lennard-Jones Fluid Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 1997, 36, 246-252.	1.8	78
17	Thermodynamic properties of sugars in aqueous solutions: correlation and prediction using a modified UNIQUAC model. <i>Fluid Phase Equilibria</i> , 1996, 123, 71-95.	1.4	74
18	Effect of KCl and Na <sub>2</sub> SO <sub>4</sub> on the Solubility of Glycine and dl-Alanine in Water at 298.15 K. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 8892-8898.	1.8	74

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19	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.	1.4	72
20	Application of statistical experimental methodology to optimize reactive dye decolourization by commercial laccase. <i>Journal of Hazardous Materials</i> , 2009, 162, 1255-1260.	6.5	70
21	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, 405-412.	4.8	69
22	KCl effect on the solubility of five different amino acids in water. <i>Fluid Phase Equilibria</i> , 2007, 255, 131-137.	1.4	68
23	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, 2827-2838.	1.7	68
24	Thermal Analysis and Heat Capacities of 1-Alkyl-3-methylimidazolium Ionic Liquids with NTf <sub>2</sub> <sup>+</sup> , TFO <sup>+</sup> , and DCA <sup>+</sup> Anions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 2103-2110.	1.8	68
25	Solubility of Sugars and Sugar Alcohols in Ionic Liquids: Measurement and PC-SAFT Modeling. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9980-9995.	1.2	67
26	Thermophysical Properties of the Pure Ionic Liquid 1-Butyl-1-methylpyrrolidinium Dicyanamide and Its Binary Mixtures with Alcohols. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 1440-1448.	1.0	66
27	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.	1.0	64
28	Phase Equilibria in Sugar Solutions Using the A-UNIFAC Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 6212-6222.	1.8	62
29	LLE for (water+ionic liquid) binary systems using [C <sub>x</sub> mim][BF <sub>4</sub> ] (x=6, 8) ionic liquids. <i>Fluid Phase Equilibria</i> , 2010, 296, 184-191.	1.4	60
30	Immobilization of commercial laccase on spent grain. <i>Process Biochemistry</i> , 2012, 47, 1095-1101.	1.8	59
31	Modeling the discoloration of a mixture of reactive textile dyes by commercial laccase. <i>Bioresource Technology</i> , 2009, 100, 1094-1099.	4.8	58
32	Diffusion Coefficients of Ethers in Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 1490-1498.	1.8	57
33	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.	1.0	57
34	Modeling thermodynamic properties of aqueous single-solute and multi-solute sugar solutions with PC-SAFT. <i>AIChE Journal</i> , 2013, 59, 4794-4805.	1.8	57
35	Kinetic modelling and simulation of laccase catalyzed degradation of reactive textile dyes. <i>Bioresource Technology</i> , 2008, 99, 4768-4774.	4.8	56
36	Modeling and measurements of solid-liquid and vapor-liquid equilibria of polyols and carbohydrates in aqueous solution. <i>Carbohydrate Research</i> , 2002, 337, 1563-1571.	1.1	55

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37	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.	1.6	55
38	Physical Properties of the Pure Deep Eutectic Solvent, [ChCl]:[Lev] (1:2) DES, and Its Binary Mixtures with Alcohols. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 4191-4202.	1.0	55
39	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.	1.4	54
40	Modelling of phase equilibria for associating mixtures using an equation of state. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 1105-1117.	1.0	54
41	Thermal analysis and heat capacities of pyridinium and imidazolium ionic liquids. <i>Thermochimica Acta</i> , 2013, 565, 178-182.	1.2	54
42	Effect of Aqueous Two-Phase System Constituents in Different Poly(ethylene glycol)â€“Salt Phase Diagrams. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 1203-1208.	1.0	53
43	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.	1.0	52
44	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.	1.0	52
45	The MHV2 model: a UNIFAC-based equation of state model for vapor-liquid and liquid-liquid equilibria of mixtures with strong electrolytes. <i>Industrial &amp; Engineering Chemistry Research</i> , 1992, 31, 1195-1201.	1.8	51
46	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 &amp; Engineering Data</i> , 2008, 53, 1824-1828.	1.0	51
47	Solubility of high-value compounds in ethyl lactate: Measurements and modeling. <i>Journal of Chemical Thermodynamics</i> , 2012, 48, 93-100.	1.0	51
48	Models for self-diffusion coefficients of dense fluids, including hydrogen-bonding substances. <i>Chemical Engineering Science</i> , 1998, 53, 2423-2429.	1.9	50
49	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.	1.1	48
50	Osmotic coefficients of binary mixtures of four ionic liquids with ethanol or water at T=(313.15 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	48
51	The Effect of Salts on the Liquidâ€“Liquid Phase Equilibria of PEG600 + Salt Aqueous Two-Phase Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 3528-3535.	1.0	48
52	Solubility of xylitol and sorbitol in ionic liquids â€“ Experimental data and modeling. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 184-192.	1.0	47
53	Activity Coefficient and Solubility of Amino Acids in Water by the Modified Wilson Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 3200-3204.	1.8	45
54	Physicochemical Characterization of the PEG8000-Na2SO4 Aqueous Two-Phase System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 8199-8204.	1.8	45

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55	Fructose and Glucose Dissolution in Ionic Liquids: Solubility and Thermodynamic Modeling. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 3424-3435.	1.8	45
56	Accurate correlations for the self-diffusion coefficients of CO <sub>2</sub> , CH <sub>4</sub> , C <sub>2</sub> H <sub>4</sub> , H <sub>2</sub> O, and D <sub>2</sub> O over wide ranges of temperature and pressure. <i>Journal of Supercritical Fluids</i> , 1995, 8, 310-317.	1.6	44
57	Binary diffusion coefficients of $\hat{1}$ -pinene and $\hat{2}$ -pinene in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004, 32, 167-175.	1.6	44
58	Prediction of the $\hat{1}$ -hexane/water and $\hat{1}$ -octanol/water partition coefficients for environmentally relevant compounds using molecular simulation. <i>AIChE Journal</i> , 2012, 58, 1929-1938.	1.8	44
59	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.	1.0	44
60	Perspectives on the biotechnological production and potential applications of lactosucrose: A review. <i>Journal of Functional Foods</i> , 2015, 19, 74-90.	1.6	44
61	Thermodynamics of Ternary Mixtures Containing Sugars. SLE of Fructose in Pure and Mixed Solvents. Comparison between Modified UNIQUAC and Modified UNIFAC. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 4633-4640.	1.8	43
62	Comparison between Different Explicit Expressions of the Effective Hard Sphere Diameter of Lennard-Jones Fluid: A Application to Self-Diffusion Coefficients. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 221-227.	1.8	42
63	Correlations between distribution coefficients of various biomolecules in different polymer/polymer aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2008, 267, 150-157.	1.4	41
64	Solubility of monosaccharides in ionic liquids – Experimental data and modeling. <i>Fluid Phase Equilibria</i> , 2012, 314, 22-28.	1.4	41
65	Thermal behavior and heat capacities of pyrrolidinium-based ionic liquids by DSC. <i>Fluid Phase Equilibria</i> , 2018, 470, 51-59.	1.4	40
66	Optimisation of reactive textile dyes degradation by laccase – mediator system. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1609-1615.	1.6	39
67	Studies of laccase from <i>Trametes versicolor</i> in aqueous solutions of several methylimidazolium ionic liquids. <i>Bioresource Technology</i> , 2011, 102, 7494-7499.	4.8	39
68	Toward Thermodynamic Predictions of Aqueous Vitamin Solubility: An Activity Coefficient-Based Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 7362-7369.	1.8	39
69	Study of the Alkyl Chain Length on Laccase Stability and Enzymatic Kinetic with Imidazolium Ionic Liquids. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 524-533.	1.4	38
70	Interference of some aqueous two-phase system phase-forming components in protein determination by the Bradford method. <i>Analytical Biochemistry</i> , 2012, 421, 719-724.	1.1	37
71	Liquid-Liquid Equilibria of UCON + (Sodium or Potassium) Phosphate Salt Aqueous Two-Phase Systems at 23 °C. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1285-1288.	1.0	36
72	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.	1.0	36

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73	Density of Mixtures Containing Sugars and Ionic Liquids: Experimental Data and PC-SAFT Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 2942-2954.	1.0	36
74	Dissolution and fractionation of nut shells in ionic liquids. <i>Bioresource Technology</i> , 2017, 227, 188-196.	4.8	36
75	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.	1.0	35
76	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.	1.0	35
77	On the Collander equation: Protein partitioning in polymer/polymer aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2008, 1190, 39-43.	1.8	34
78	Infinite Dilution Diffusion Coefficients of Linalool and Benzene in Supercritical Carbon Dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , 2002, 47, 1351-1354.	1.0	33
79	Measurement and Modeling of Solubilities of D-Glucose in Water/Alcohol and Alcohol/Alcohol Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 1997, 36, 2816-2820.	1.8	32
80	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.	1.4	32
81	$\hat{\gamma}^E$ (CH <sub>2</sub> ) in PEG-Salt and UCON-Salt Aqueous Two-Phase Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1622-1625.	1.0	32
82	(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.	1.0	32
83	Representation of solubilities of amino acids using the uniuac model for electrolytes. <i>Chemical Engineering Science</i> , 1994, 49, 3803-3812.	1.9	31
84	New $\beta$ -galactosidase producers with potential for prebiotic synthesis. <i>Bioresource Technology</i> , 2018, 250, 131-139.	4.8	31
85	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.	1.0	30
86	Using molecular simulation to predict solute solvation and partition coefficients in solvents of different polarity. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9155.	1.3	30
87	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.	1.0	29
88	Relative hydrophobicity of equilibrium phases in biphasic systems (ionic liquid+water). <i>Journal of Chemical Thermodynamics</i> , 2012, 48, 221-228.	1.0	29
89	Influence of the Molecular Weight of PEG on the Polymer/Salt Phase Diagrams of Aqueous Two-Phase Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 4229-4235.	1.0	28
90	Application of the GCA-EoS model to the supercritical processing of fatty oil derivatives. <i>Journal of Food Engineering</i> , 2005, 70, 579-587.	2.7	27

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91	Recovery of <i>Peniophora cinerea</i> 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.	1.8	26
92	Physical Properties of Binary Alcohol-Ionic Liquid Mixtures at Several Temperatures and Atmospheric Pressure. <i>Journal of Solution Chemistry</i> , 2013, 42, 746-763.	0.6	26
93	Effect of molecular weight of polyethylene glycol on the partitioning of DNP-amino acids: PEG (4000). <i>Tj ETQq1 1 0,784314 rgBT /Over</i>	1.4	26
94	Solubility of L-serine, L-threonine and L-isoleucine in aqueous aliphatic alcohol solutions. <i>Fluid Phase Equilibria</i> , 2008, 270, 1-9.	1.4	25
95	Sequential decolourization of reactive textile dyes by laccase mediator system. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 442-446.	1.6	25
96	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.	1.6	25
97	Laccase production by free and immobilized mycelia of <i>Peniophora cinerea</i> and <i>Trametes versicolor</i> : a comparative study. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 365-373.	1.7	25
98	$\beta$ -G(CH <sub>2</sub> ) as solvent descriptor in polymer/polymer aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2008, 1185, 85-92.	1.8	24
99	Solute partitioning in polymer-salt ATPS: The Collander equation. <i>Fluid Phase Equilibria</i> , 2010, 296, 173-177.	1.4	24
100	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.	1.8	23
101	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.	1.0	23
102	Treatment and kinetic modelling of a simulated dye house effluent by enzymatic catalysis. <i>Bioresource Technology</i> , 2009, 100, 6236-6242.	4.8	22
103	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.	1.3	22
104	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.	1.0	22
105	New Modified Wilson Model for Electrolyte Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 5702-5707.	1.8	21
106	Gibbs free energy of transfer of a methylene group on {UON+(sodium or potassium) phosphate salts} aqueous two-phase systems: Hydrophobicity effects. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 1063-1069.	1.0	21
107	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.	1.4	21
108	Effect of different organic salts on amino acids partition behaviour in PEG-salt ATPS. <i>Fluid Phase Equilibria</i> , 2018, 456, 84-91.	1.4	20

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109	Recovery of flavonoids using novel biodegradable choline amino acids ionic liquids based ATPS. Fluid Phase Equilibria, 2019, 493, 1-9.	1.4	20
110	Cutinase activity in supercritical and organic media: water activity, solvation and acid-base effects. Journal of Supercritical Fluids, 2005, 35, 62-69.	1.6	19
111	Vapour pressures, osmotic and activity coefficients for binary mixtures containing (1-ethylpyridinium) Tj ETQq1 1 0,784314 rgBT /Ove	1.0	19
112	Determination and modelling of osmotic coefficients and vapour pressures of binary systems 1- and 2-propanol with CnMimNTf2 ionic liquids (n=2, 3, and 4) at T=323.15K. Journal of Chemical Thermodynamics, 2011, 43, 1256-1262.	1.0	19
113	Stability and kinetic behavior of immobilized laccase from <i>Myceliophthora thermophila</i> in the presence of the ionic liquid 1-ethyl-3-methylimidazolium ethylsulfate. Biotechnology Progress, 2014, 30, 790-796.	1.3	19
114	Separation of carbohydrates and sugar alcohols from ionic liquids using antisolvents. Separation and Purification Technology, 2014, 132, 496-504.	3.9	19
115	Biocatalytic Approaches Using Lactulose: End Product Compared with Substrate. Comprehensive Reviews in Food Science and Food Safety, 2016, 15, 878-896.	5.9	19
116	Partitioning of DNP-amino acids in ionic liquid/citrate salt based Aqueous Two-Phase System. Fluid Phase Equilibria, 2019, 484, 82-87.	1.4	19
117	Viscosity of pure supercritical fluids. Journal of Supercritical Fluids, 2005, 36, 106-117.	1.6	18
118	Water solubility of drug-like molecules with the cubic-plus-association equation of state. Fluid Phase Equilibria, 2010, 298, 75-82.	1.4	18
119	Measurement and modeling of osmotic coefficients of binary mixtures (alcohol+1,3-dimethylpyridinium methylsulfate) at T=323.15K. Journal of Chemical Thermodynamics, 2011, 43, 908-913.	1.0	18
120	Study of Liquid-Liquid Equilibrium of Aqueous Two-Phase Systems Based on Ethyl Lactate and Partitioning of Rutin and Quercetin. Industrial & Engineering Chemistry Research, 2020, 59, 21196-21204.	1.8	18
121	Liquid-Liquid Equilibrium of Aqueous Polymer Two-Phase Systems Using the Modified Wilson Equation. Industrial & Engineering Chemistry Research, 2005, 44, 2328-2332.	1.8	17
122	Molecular simulation of the hydration Gibbs energy of barbiturates. Fluid Phase Equilibria, 2010, 289, 148-155.	1.4	17
123	Solubility of drug-like molecules in pure organic solvents with the CPA EoS. Fluid Phase Equilibria, 2011, 303, 62-70.	1.4	17
124	Calculation of drug-like molecules solubility using predictive activity coefficient models. Fluid Phase Equilibria, 2012, 322-323, 48-55.	1.4	17
125	Representation of liquid-liquid equilibria for polymer-salt aqueous two-phase systems. Chemical Engineering Science, 2004, 59, 1153-1159.	1.9	16
126	Novel ethyl lactate based ATPS for the purification of rutin and quercetin. Separation and Purification Technology, 2020, 252, 117447.	3.9	16

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127	Free Energy of Transfer of a Methylene Group in Biphasic Systems of Water and Ionic Liquids [C <sub>3</sub> mpip][NTf <sub>2</sub> ], [C <sub>3</sub> mpyr][NTf <sub>2</sub> ], and [C <sub>4</sub> mpyr][NTf <sub>2</sub> ]. Industrial & Engineering Chemistry Research, 2012, 51, 8061-8068.	1.8	15
128	Liquid-liquid equilibria of mixtures with ethyl lactate and various hydrocarbons. Fluid Phase Equilibria, 2012, 320, 38-42.	1.4	15
129	Trihexyl(tetradecyl)phosphonium bromide: Liquid density, surface tension and solubility of carbon dioxide. Fluid Phase Equilibria, 2012, 324, 8-12.	1.4	15
130	Osmotic coefficients and apparent molar volumes of 1-hexyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid in alcohols. Journal of Chemical Thermodynamics, 2014, 69, 93-100.	1.0	15
131	Prediction of thermodynamic properties using a modified UNIFAC model: application to sugar industrial systems. Fluid Phase Equilibria, 1999, 158-160, 391-399.	1.4	14
132	Phase equilibria of binary mixtures (ionic liquid+aromatic hydrocarbon): Effect of the structure of the components on the solubility. Fluid Phase Equilibria, 2013, 360, 416-422.	1.4	14
133	Partitioning of DNP-Amino Acids in New Biodegradable Choline Amino Acid/Ionic Liquid-Based Aqueous Two-Phase Systems. Journal of Chemical & Engineering Data, 2019, 64, 4733-4740.	1.0	14
134	Hydrophobic deep eutectic solvents as extraction agents of nitrophenolic pollutants from aqueous systems. Environmental Technology and Innovation, 2022, 25, 102170.	3.0	14
135	Infinite-dilution activity coefficients by comparative ebulliometry: five systems containing ethyl formate. Fluid Phase Equilibria, 1993, 85, 171-179.	1.4	13
136	Thermodynamic Modeling of Several Aqueous Alkanol Solutions Containing Amino Acids with the Perturbed-Chain Statistical Associated Fluid Theory Equation of State. Industrial & Engineering Chemistry Research, 2009, 48, 5498-5505.	1.8	13
137	Liquid-liquid equilibria of binary systems {benzene+[x-Mim][NTf <sub>2</sub> ] ionic liquid}: Experimental data and thermodynamic modeling using a group contribution equation of state. Fluid Phase Equilibria, 2014, 362, 163-169.	1.4	13
138	Cation effect on the (PEG 8000 + sodium sulfate) and (PEG 8000 + magnesium sulfate) aqueous two-phase system: Relative hydrophobicity of the equilibrium phases. Journal of Chemical Thermodynamics, 2015, 91, 321-326.	1.0	12
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