

# Eug nia A Macedo

## List of Publications by Year in descending order

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163  
papers

6,464  
citations

44069

48  
h-index

95266

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. Journal of Chemical & Engineering Data, 2005, 50, 29-32.	1.9	326
2	Temperature Dependence and Structural Influence on the Thermophysical Properties of Eleven Commercial Ionic Liquids. Industrial & Engineering Chemistry Research, 2012, 51, 2492-2504.	3.7	171
3	Calculation of phase equilibria for solutions of strong electrolytes in solvent-water mixtures. Chemical Engineering Science, 1990, 45, 875-882.	3.8	155
4	Immobilization of commercial laccase onto green coconut fiber by adsorption and its application for reactive textile dyes degradation. Journal of Molecular Catalysis B: Enzymatic, 2011, 72, 6-12.	1.8	127
5	Temperature and solvent effects in the solubility of some pharmaceutical compounds: Measurements and modeling. European Journal of Pharmaceutical Sciences, 2009, 37, 499-507.	4.0	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. Chemical Engineering Science, 1998, 53, 2403-2422.	3.8	115
7	1-Octanol/Water Partition Coefficients of <i>n</i> -Alkanes from Molecular Simulations of Absolute Solvation Free Energies. Journal of Chemical Theory and Computation, 2009, 5, 2436-2446.	5.3	115
8	Ionic liquids as alternative co-solvents for laccase: Study of enzyme activity and stability. Biotechnology and Bioengineering, 2008, 101, 201-207.	3.3	91
9	Solubilities of Biologically Active Phenolic Compounds: Measurements and Modeling. Journal of Physical Chemistry B, 2009, 113, 3469-3476.	2.6	89
10	Representation of salt solubility in mixed solvents: A comparison of thermodynamic models. Fluid Phase Equilibria, 1996, 116, 209-216.	2.5	86
11	Effect of the Integration Method on the Accuracy and Computational Efficiency of Free Energy Calculations Using Thermodynamic Integration. Journal of Chemical Theory and Computation, 2010, 6, 1018-1027.	5.3	83
12	Equation of state modelling of systems with ionic liquids: Literature review and application with the Cubic Plus Association (CPA) model. Fluid Phase Equilibria, 2012, 332, 128-143.	2.5	82
13	Solubility of Amino Acids: A Group-Contribution Model Involving Phase and Chemical Equilibria. Industrial & Engineering Chemistry Research, 1994, 33, 1341-1347.	3.7	81
14	Solid-liquid equilibrium of $\alpha$ -lactose in ethanol/water. Fluid Phase Equilibria, 2000, 173, 121-134.	2.5	80
15	Physical and Excess Properties of Eight Binary Mixtures Containing Water and Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 2165-2176.	1.9	80
16	New Equations for Tracer Diffusion Coefficients of Solutes in Supercritical and Liquid Solvents Based on the Lennard-Jones Fluid Model. Industrial & Engineering Chemistry Research, 1997, 36, 246-252.	3.7	78
17	Thermodynamic properties of sugars in aqueous solutions: correlation and prediction using a modified UNIQUAC model. Fluid Phase Equilibria, 1996, 123, 71-95.	2.5	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. Industrial & Engineering Chemistry Research, 2005, 44, 8892-8898.	3.7	74

#	ARTICLE	IF	CITATIONS
19	A modified UNIFAC model for the calculation of thermodynamic properties of aqueous and non-aqueous solutions containing sugars. Fluid Phase Equilibria, 1997, 139, 47-74.	2.5	72
20	Application of statistical experimental methodology to optimize reactive dye decolourization by commercial laccase. Journal of Hazardous Materials, 2009, 162, 1255-1260.	12.4	70
21	Immobilization of laccase on modified silica: Stabilization, thermal inactivation and kinetic behaviour in 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid. Bioresource Technology, 2013, 131, 405-412.	9.6	69
22	KCl effect on the solubility of five different amino acids in water. Fluid Phase Equilibria, 2007, 255, 131-137.	2.5	68
23	Green coconut fiber: a novel carrier for the immobilization of commercial laccase by covalent attachment for textile dyes decolourization. World Journal of Microbiology and Biotechnology, 2012, 28, 2827-2838.	3.6	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. Industrial & Engineering Chemistry Research, 2013, 52, 2103-2110.	3.7	68
25	Solubility of Sugars and Sugar Alcohols in Ionic Liquids: Measurement and PC-SAFT Modeling. Journal of Physical Chemistry B, 2013, 117, 9980-9995.	2.6	67
26	Thermophysical Properties of the Pure Ionic Liquid 1-Butyl-1-methylpyrrolidinium Dicyanamide and Its Binary Mixtures with Alcohols. Journal of Chemical & Engineering Data, 2013, 58, 1440-1448.	1.9	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. Journal of Chemical Thermodynamics, 2012, 45, 9-15.	2.0	64
28	Phase Equilibria in Sugar Solutions Using the A-UNIFAC Model. Industrial & Engineering Chemistry Research, 2003, 42, 6212-6222.	3.7	62
29	LLE for (water+ionic liquid) binary systems using [Cxmim][BF <sub>4</sub> ] (x=6, 8) ionic liquids. Fluid Phase Equilibria, 2010, 296, 184-191.	2.5	60
30	Immobilization of commercial laccase on spent grain. Process Biochemistry, 2012, 47, 1095-1101.	3.7	59
31	Modeling the discoloration of a mixture of reactive textile dyes by commercial laccase. Bioresource Technology, 2009, 100, 1094-1099.	9.6	58
32	Diffusion Coefficients of Ethers in Supercritical Carbon Dioxide. Industrial & Engineering Chemistry Research, 1998, 37, 1490-1498.	3.7	57
33	Osmotic coefficients of aqueous solutions of four ionic liquids at T=(313.15 and 333.15) K. Journal of Chemical Thermodynamics, 2008, 40, 1346-1351.	2.0	57
34	Modeling thermodynamic properties of aqueous single-solute and multi-solute sugar solutions with PC-SAFT. AIChE Journal, 2013, 59, 4794-4805.	3.6	57
35	Kinetic modelling and simulation of laccase catalyzed degradation of reactive textile dyes. Bioresource Technology, 2008, 99, 4768-4774.	9.6	56
36	Modeling and measurements of solid-liquid and vapor-liquid equilibria of polyols and carbohydrates in aqueous solution. Carbohydrate Research, 2002, 337, 1563-1571.	2.3	55

#	ARTICLE	IF	CITATIONS
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.	3.2	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.	1.9	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.	2.5	54
40	Modelling of phase equilibria for associating mixtures using an equation of state. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 1105-1117.	2.0	54
41	Thermal analysis and heat capacities of pyridinium and imidazolium ionic liquids. <i>Thermochimica Acta</i> , 2013, 565, 178-182.	2.7	54
42	Effect of Aqueous Two-Phase System Constituents in Different Poly(ethylene glycol)-Salt Phase Diagrams. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 1203-1208.	1.9	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.	2.0	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.	2.0	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.	3.7	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.	1.9	51
47	Solubility of high-value compounds in ethyl lactate: Measurements and modeling. <i>Journal of Chemical Thermodynamics</i> , 2012, 48, 93-100.	2.0	51
48	Models for self-diffusion coefficients of dense fluids, including hydrogen-bonding substances. <i>Chemical Engineering Science</i> , 1998, 53, 2423-2429.	3.8	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.	2.3	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	2.0	48
51	The Effect of Salts on the Liquid-Liquid Phase Equilibria of PEG600 + Salt Aqueous Two-Phase Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 3528-3535.	1.9	48
52	Solubility of xylitol and sorbitol in ionic liquids - Experimental data and modeling. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 184-192.	2.0	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.	3.7	45
54	Physicochemical Characterization of the PEG8000-Na2SO4 Aqueous Two-Phase System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 8199-8204.	3.7	45

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55	Fructose and Glucose Dissolution in Ionic Liquids: Solubility and Thermodynamic Modeling. Industrial & Engineering Chemistry Research, 2013, 52, 3424-3435.	3.7	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. Journal of Supercritical Fluids, 1995, 8, 310-317.	3.2	44
57	Binary diffusion coefficients of $\alpha$ -pinene and $\beta$ -pinene in supercritical carbon dioxide. Journal of Supercritical Fluids, 2004, 32, 167-175.	3.2	44
58	Prediction of the $\alpha$ -hexane/water and $1$ -octanol/water partition coefficients for environmentally relevant compounds using molecular simulation. AIChE Journal, 2012, 58, 1929-1938.	3.6	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. Journal of Chemical Thermodynamics, 2014, 74, 193-200.	2.0	44
60	Perspectives on the biotechnological production and potential applications of lactosucrose: A review. Journal of Functional Foods, 2015, 19, 74-90.	3.4	44
61	Thermodynamics of Ternary Mixtures Containing Sugars. SLE of Fructose in Pure and Mixed Solvents. Comparison between Modified UNIQUAC and Modified UNIFAC. Industrial & Engineering Chemistry Research, 2001, 40, 4633-4640.	3.7	43
62	Comparison between Different Explicit Expressions of the Effective Hard Sphere Diameter of Lennard-Jones Fluid: A Application to Self-Diffusion Coefficients. Industrial & Engineering Chemistry Research, 1998, 37, 221-227.	3.7	42
63	Correlations between distribution coefficients of various biomolecules in different polymer/polymer aqueous two-phase systems. Fluid Phase Equilibria, 2008, 267, 150-157.	2.5	41
64	Solubility of monosaccharides in ionic liquids – Experimental data and modeling. Fluid Phase Equilibria, 2012, 314, 22-28.	2.5	41
65	Thermal behavior and heat capacities of pyrrolidinium-based ionic liquids by DSC. Fluid Phase Equilibria, 2018, 470, 51-59.	2.5	40
66	Optimisation of reactive textile dyes degradation by laccase – mediator system. Journal of Chemical Technology and Biotechnology, 2008, 83, 1609-1615.	3.2	39
67	Studies of laccase from Trametes versicolor in aqueous solutions of several methylimidazolium ionic liquids. Bioresource Technology, 2011, 102, 7494-7499.	9.6	39
68	Toward Thermodynamic Predictions of Aqueous Vitamin Solubility: An Activity Coefficient-Based Approach. Industrial & Engineering Chemistry Research, 2019, 58, 7362-7369.	3.7	39
69	Study of the Alkyl Chain Length on Laccase Stability and Enzymatic Kinetic with Imidazolium Ionic Liquids. Applied Biochemistry and Biotechnology, 2011, 164, 524-533.	2.9	38
70	Interference of some aqueous two-phase system phase-forming components in protein determination by the Bradford method. Analytical Biochemistry, 2012, 421, 719-724.	2.4	37
71	Liquid-Liquid Equilibria of UCON + (Sodium or Potassium) Phosphate Salt Aqueous Two-Phase Systems at 23 °C. Journal of Chemical & Engineering Data, 2010, 55, 1285-1288.	1.9	36
72	Effect of the number, position and length of alkyl chains on the physical properties of polysubstituted pyridinium ionic liquids. Journal of Chemical Thermodynamics, 2014, 69, 19-26.	2.0	36

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73	Density of Mixtures Containing Sugars and Ionic Liquids: Experimental Data and PC-SAFT Modeling. Journal of Chemical & Engineering Data, 2014, 59, 2942-2954.	1.9	36
74	Dissolution and fractionation of nut shells in ionic liquids. Bioresource Technology, 2017, 227, 188-196.	9.6	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. Journal of Chemical Thermodynamics, 2012, 50, 19-29.	2.0	35
76	Osmotic and apparent molar properties of binary mixtures alcohol+1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid. Journal of Chemical Thermodynamics, 2013, 61, 64-73.	2.0	35
77	On the Collander equation: Protein partitioning in polymer/polymer aqueous two-phase systems. Journal of Chromatography A, 2008, 1190, 39-43.	3.7	34
78	Infinite Dilution Diffusion Coefficients of Linalool and Benzene in Supercritical Carbon Dioxide. Journal of Chemical & Engineering Data, 2002, 47, 1351-1354.	1.9	33
79	Measurement and Modeling of Solubilities of Glucose in Water/Alcohol and Alcohol/Alcohol Systems. Industrial & Engineering Chemistry Research, 1997, 36, 2816-2820.	3.7	32
80	A new modified Wilson equation for the calculation of vapor-liquid equilibrium of aqueous polymer solutions. Fluid Phase Equilibria, 2003, 213, 53-63.	2.5	32
81	$\gamma^E_{CH_2}$ in PEG-Salt and UCON-Salt Aqueous Two-Phase Systems. Journal of Chemical & Engineering Data, 2008, 53, 1622-1625.	1.9	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. Journal of Chemical Thermodynamics, 2012, 55, 166-171.	2.0	32
83	Representation of solubilities of amino acids using the uniquac model for electrolytes. Chemical Engineering Science, 1994, 49, 3803-3812.	3.8	31
84	New $\beta$ -galactosidase producers with potential for prebiotic synthesis. Bioresource Technology, 2018, 250, 131-139.	9.6	31
85	The effect of ammonium sulfate on the solubility of amino acids in water at (298.15 and 323.15)K. Journal of Chemical Thermodynamics, 2009, 41, 193-196.	2.0	30
86	Using molecular simulation to predict solute solvation and partition coefficients in solvents of different polarity. Physical Chemistry Chemical Physics, 2011, 13, 9155.	2.8	30
87	Osmotic coefficients of binary mixtures of 1-butyl-3-methylimidazolium methylsulfate and 1,3-dimethylimidazolium methylsulfate with alcohols at T=323.15K. Journal of Chemical Thermodynamics, 2009, 41, 617-622.	2.0	29
88	Relative hydrophobicity of equilibrium phases in biphasic systems (ionic liquid+water). Journal of Chemical Thermodynamics, 2012, 48, 221-228.	2.0	29
89	Influence of the Molecular Weight of PEG on the Polymer/Salt Phase Diagrams of Aqueous Two-Phase Systems. Journal of Chemical & Engineering Data, 2016, 61, 4229-4235.	1.9	28
90	Application of the GCA-EoS model to the supercritical processing of fatty oil derivatives. Journal of Food Engineering, 2005, 70, 579-587.	5.2	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.	3.7	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.	1.2	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 /Ove</i>	2.5	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.	2.5	25
95	Sequential decolourization of reactive textile dyes by laccase mediator system. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 442-446.	3.2	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.	3.2	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.	3.4	25
98	$\delta^{\text{H}}\text{G}(\text{CH}_2)$ as solvent descriptor in polymer/polymer aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2008, 1185, 85-92.	3.7	24
99	Solute partitioning in polymer+salt ATPS: The Collander equation. <i>Fluid Phase Equilibria</i> , 2010, 296, 173-177.	2.5	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.	3.6	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.	2.0	23
102	Treatment and kinetic modelling of a simulated dye house effluent by enzymatic catalysis. <i>Bioresource Technology</i> , 2009, 100, 6236-6242.	9.6	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.	2.8	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.	2.0	22
105	New Modified Wilson Model for Electrolyte Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 5702-5707.	3.7	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.	2.0	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.	2.5	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.	2.5	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.	2.5	20
110	Cutinase activity in supercritical and organic media: water activity, solvation and acid-base effects. Journal of Supercritical Fluids, 2005, 35, 62-69.	3.2	19
111	Vapour pressures, osmotic and activity coefficients for binary mixtures containing (1-ethylpyridinium) Tj ETQq1 1 0,784314 rgBT /Over	2.0	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.	2.0	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.	2.6	19
114	Separation of carbohydrates and sugar alcohols from ionic liquids using antisolvents. Separation and Purification Technology, 2014, 132, 496-504.	7.9	19
115	Biocatalytic Approaches Using Lactulose: End Product Compared with Substrate. Comprehensive Reviews in Food Science and Food Safety, 2016, 15, 878-896.	11.7	19
116	Partitioning of DNP-amino acids in ionic liquid/citrate salt based Aqueous Two-Phase System. Fluid Phase Equilibria, 2019, 484, 82-87.	2.5	19
117	Viscosity of pure supercritical fluids. Journal of Supercritical Fluids, 2005, 36, 106-117.	3.2	18
118	Water solubility of drug-like molecules with the cubic-plus-association equation of state. Fluid Phase Equilibria, 2010, 298, 75-82.	2.5	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.	2.0	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.	3.7	18
121	Liquid-Liquid Equilibrium of Aqueous Polymer Two-Phase Systems Using the Modified Wilson Equation. Industrial & Engineering Chemistry Research, 2005, 44, 2328-2332.	3.7	17
122	Molecular simulation of the hydration Gibbs energy of barbiturates. Fluid Phase Equilibria, 2010, 289, 148-155.	2.5	17
123	Solubility of drug-like molecules in pure organic solvents with the CPA EoS. Fluid Phase Equilibria, 2011, 303, 62-70.	2.5	17
124	Calculation of drug-like molecules solubility using predictive activity coefficient models. Fluid Phase Equilibria, 2012, 322-323, 48-55.	2.5	17
125	Representation of liquid-liquid equilibria for polymer-salt aqueous two-phase systems. Chemical Engineering Science, 2004, 59, 1153-1159.	3.8	16
126	Novel ethyl lactate based ATPS for the purification of rutin and quercetin. Separation and Purification Technology, 2020, 252, 117447.	7.9	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.	3.7	15
128	Liquid-liquid equilibria of mixtures with ethyl lactate and various hydrocarbons. Fluid Phase Equilibria, 2012, 320, 38-42.	2.5	15
129	Trihexyl(tetradecyl)phosphonium bromide: Liquid density, surface tension and solubility of carbondioxide. Fluid Phase Equilibria, 2012, 324, 8-12.	2.5	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.	2.0	15
131	Prediction of thermodynamic properties using a modified UNIFAC model: application to sugar industrial systems. Fluid Phase Equilibria, 1999, 158-160, 391-399.	2.5	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.	2.5	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.	1.9	14
134	Hydrophobic deep eutectic solvents as extraction agents of nitrophenolic pollutants from aqueous systems. Environmental Technology and Innovation, 2022, 25, 102170.	6.1	14
135	Infinite-dilution activity coefficients by comparative ebulliometry: five systems containing ethyl formate. Fluid Phase Equilibria, 1993, 85, 171-179.	2.5	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.	3.7	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.	2.5	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.	2.0	12
139	Activity coefficients at infinite dilution for different alcohols and ketones in [EMpy][ESO4]: Experimental data and modeling with PC-SAFT. Fluid Phase Equilibria, 2016, 424, 32-40.	2.5	12
140	Solubility Enhancement of Vitamins in Water in the Presence of Covitamins: Measurements and ePC-SAFT Predictions. Industrial & Engineering Chemistry Research, 2019, 58, 21761-21771.	3.7	12
141	Thermodynamic study of ATPS involving ethyl lactate and different inorganic salts. Separation and Purification Technology, 2021, 275, 119155.	7.9	12
142	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, ACCH <sub>2</sub> /HCOO and CH <sub>2</sub> Co/HCOO. Fluid Phase Equilibria, 1984, 18, 197-210.	2.5	11
143	Kinetic and Stability Study of the Peroxidase Inhibition in Ionic Liquids. Industrial & Engineering Chemistry Research, 2009, 48, 10810-10815.	3.7	11
144	Influence of the number, position and length of the alkyl-substituents on the solubility of water in pyridinium-based ionic liquids. Fluid Phase Equilibria, 2014, 383, 72-77.	2.5	11

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145	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
146	pH Study and Partition of Riboflavin in an Ethyl Lactate-Based Aqueous Two-Phase System with Sodium Citrate. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 1985-1993.	1.9	10
147	Factors affecting water colour removal by tyrosinase. <i>International Journal of Environmental Studies</i> , 2013, 70, 316-326.	1.6	9
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