Eugnia A Macedo

List of Publications by Year in Descending Order

160 papers	5,488 citations	46 h-index	61 g-index
165 ext. papers	5,989 ext. citations	3.8 avg, IF	5.83 L-index

#	Paper	IF	Citations
160	Calculating the closest approach parameter for ethyl lactate-based ATPS. *Fluid Phase Equilibria*, **2022**, 556, 113389	2.5	0
159	Hydrophobic deep eutectic solvents as extraction agents of nitrophenolic pollutants from aqueous systems. *Environmental Technology and Innovation*, **2022**, 25, 102170	7	1
158	Determining the dissociation extent of ionic liquids in water using the PDH+UNIQUAC model. *Journal of Molecular Liquids*, **2022**, 348, 118403	6	1
157	Solubility of DNP-amino acids and their partitioning in biodegradable ATPS: Experimental and ePC-SAFT modeling. *Fluid Phase Equilibria*, **2021**, 527, 112830	2.5	4
156	Thermodynamic study of ATPS involving ethyl lactate and different inorganic salts. *Separation and Purification Technology*, **2021**, 275, 119155	8.3	3
155	Influence of the alkyl chain cation position on thermal behaviour: (1,2) and (1,4) pyridinium Bis(trifluoromethylsulfonyl)imide - Based ionic liquids. *Fluid Phase Equilibria*, **2020**, 519, 112658	2.5	3
154	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	3.8	4
153	Novel ethyl lactate based ATPS for the purification of rutin and quercetin. *Separation and Purification Technology*, **2020**, 252, 117447	8.3	3
152	Partitioning of water-soluble vitamins in biodegradable aqueous two-phase systems: Electrolyte perturbed-chain statistical associating fluid theory predictions and experimental validation. *AICHE Journal*, **2020**, 66, e16984	3.6	3
151	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	2.8	10
150	Toward Thermodynamic Predictions of Aqueous Vitamin Solubility: An Activity Coefficient-Based Approach. *Industrial & Engineering Chemistry Research*, **2019**, 58, 7362-7369	3.9	31
149	Recovery of flavonoids using novel biodegradable choline amino acids ionic liquids based ATPS. *Fluid Phase Equilibria*, **2019**, 493, 1-9	2.5	12
148	Solubility Enhancement of Vitamins in Water in the Presence of Covitamins: Measurements and ePC-SAFT Predictions. *Industrial & Engineering Chemistry Research*, **2019**, 58, 21761-21771	3.9	10
147	Equilibrium in Electrolyte Systems **2019**, 529-562		
146	Partitioning of DNP-amino acids in ionic liquid/citrate salt based Aqueous Two-Phase System. *Fluid Phase Equilibria*, **2019**, 484, 82-87	2.5	12
145	Thermal behavior and heat capacities of pyrrolidinium-based ionic liquids by DSC. *Fluid Phase Equilibria*, **2018**, 470, 51-59	2.5	24
144	Ionic Liquids-Based Aqueous Biphasic Systems with Citrate Biodegradable Salts. *Journal of Chemical & Engineering Data*, **2018**, 63, 1103-1108	2.8	6

143	Effect of different organic salts on amino acids partition behaviour in PEG-salt ATPS. *Fluid Phase Equilibria*, **2018**, 456, 84-91	2.5	10
142	New -galactosidase producers with potential for prebiotic synthesis. *Bioresource Technology*, **2018**, 250, 131-139	11	20
141	Dissolution and fractionation of nut shells in ionic liquids. *Bioresource Technology*, **2017**, 227, 188-196	11	26
140	Polyethylene glycol 8000+ citrate salts aqueous two-phase systems: Relative hydrophobicity of the equilibrium phases. *Fluid Phase Equilibria*, **2016**, 407, 298-303	2.5	11
139	Activity and Osmotic Coefficients of Binary Mixtures of NTf2-Ionic Liquids with a Primary Alcohol. *Journal of Chemical & Engineering Data*, **2016**, 61, 4123-4130	2.8	
138	Effect of molecular weight of polyethylene glycol on the partitioning of DNP-amino acids: PEG (4000, 6000) with sodium citrate at 298.15 K. *Fluid Phase Equilibria*, **2016**, 428, 84-91	2.5	18
137	Physical Properties of the Pure Deep Eutectic Solvent, [ChCl]:[Lev] (1:2) DES, and Its Binary Mixtures with Alcohols. *Journal of Chemical & Engineering Data*, **2016**, 61, 4191-4202	2.8	39
136	(Vapor + liquid) equilibria of alcohol + 1-methyl-1-propylpiperidinium triflate ionic liquid: VPO measurements and modeling. *Journal of Chemical Thermodynamics*, **2016**, 97, 183-190	2.9	5
135	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	8
134	Biocatalytic Approaches Using Lactulose: End Product Compared with Substrate. *Comprehensive Reviews in Food Science and Food Safety*, **2016**, 15, 878-896	16.4	17
133	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	2.8	22
132	Effect of the relative humidity and isomeric structure on the physical properties of pyridinium based-ionic liquids. *Journal of Chemical Thermodynamics*, **2015**, 86, 96-105	2.9	14
131	Perspectives on the biotechnological production and potential applications of lactosucrose: A review. *Journal of Functional Foods*, **2015**, 19, 74-90	5.1	33
130	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	2.9	9
129	Application of a group contribution equation of state to model the phase behavior of mixtures containing alkanes and ionic liquids. *Fluid Phase Equilibria*, **2015**, 387, 32-37	2.5	2
128	Liquid-liquid equilibria of binary systems {benzene + [x-Mim][NTf2] ionic liquid}: Experimental data and thermodynamic modeling using a group contribution equation of state. *Fluid Phase Equilibria*, **2014**, 362, 163-169	2.5	12
127	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	2.9	31
126	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	9

125	Osmotic coefficients and apparent molar volumes of 1-hexyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid in alcohols. *Journal of Chemical Thermodynamics*, **2014**, 69, 93-100	2.9	13
124	Density of Mixtures Containing Sugars and Ionic Liquids: Experimental Data and PC-SAFT Modeling. *Journal of Chemical & Engineering Data*, **2014**, 59, 2942-2954	2.8	33
123	Separation of carbohydrates and sugar alcohols from ionic liquids using antisolvents. *Separation and Purification Technology*, **2014**, 132, 496-504	8.3	17
122	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	2.9	40
121	Stability and kinetic behavior of immobilized laccase from Myceliophthora thermophila in the presence of the ionic liquid 1-ethyl-3-methylimidazolium ethylsulfate. *Biotechnology Progress*, **2014**, 30, 790-6	2.8	11
120	Factors affecting water colour removal by tyrosinase. *International Journal of Environmental Studies* , **2013**, 70, 316-326	1.8	8
119	Solubility of sugars and sugar alcohols in ionic liquids: measurement and PC-SAFT modeling. *Journal of Physical Chemistry B*, **2013**, 117, 9980-95	3.4	59
118	Thermal analysis and heat capacities of pyridinium and imidazolium ionic liquids. *Thermochimica Acta*, **2013**, 565, 178-182	2.9	43
117	Immobilization of laccase on modified silica: stabilization, thermal inactivation and kinetic behaviour in 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid. *Bioresource Technology*, **2013**, 131, 405-12	11	55
116	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
115	Modeling thermodynamic properties of aqueous single-solute and multi-solute sugar solutions with PC-SAFT. *AICHE Journal*, **2013**, 59, 4794-4805	3.6	49
114	Laccase production by free and immobilized mycelia of Peniophora cinerea and Trametes versicolor: a comparative study. *Bioprocess and Biosystems Engineering*, **2013**, 36, 365-73	3.7	20
113	Recovery of Peniophora cinerea laccase using aqueous two-phase systems composed by ethylene oxide/propylene oxide copolymer and potassium phosphate salts. *Journal of Chromatography A*, **2013**, 1321, 14-20	4.5	23
112	Fructose and Glucose Dissolution in Ionic Liquids: Solubility and Thermodynamic Modeling. *Industrial & Engineering Chemistry Research*, **2013**, 52, 3424-3435	3.9	34
111	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	2.8	53
110	(CH2) in Biphasic Systems of Water and Bis(trifluoromethylsulfonyl)Imide-Based Ionic Liquids. *Journal of Chemical & Engineering Data*, **2013**, 58, 1565-1570	2.8	1
109	Physical Properties of Binary Alcohol + Ionic Liquid Mixtures at Several Temperatures and Atmospheric Pressure. *Journal of Solution Chemistry*, **2013**, 42, 746-763	1.8	21
108	Osmotic and apparent molar properties of binary mixtures alcohol+1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid. *Journal of Chemical Thermodynamics*, **2013**, 61, 64-73	2.9	31

107	The Effect of Salts on the Liquid–Liquid Phase Equilibria of PEG600 + Salt Aqueous Two-Phase Systems. *Journal of Chemical & Engineering Data*, **2013**, 58, 3528-3535	2.8	39
106	Thermal Analysis and Heat Capacities of 1-Alkyl-3-methylimidazolium Ionic Liquids with NTf2−, TFO−, and DCA− Anions. *Industrial & Engineering Chemistry Research*, **2013**, 52, 2103-2110	3.9	59
105	High-pressure solubilities of carbon dioxide in ionic liquids based on bis(trifluoromethylsulfonyl)imide and chloride. *Journal of Supercritical Fluids*, **2012**, 65, 1-10	4.2	46
104	Immobilization of commercial laccase on spent grain. *Process Biochemistry*, **2012**, 47, 1095-1101	4.8	56
103	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	2.9	57
102	Excess properties of binary mixtures containing 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid and polar organic compounds. *Journal of Chemical Thermodynamics*, **2012**, 47, 300-311	2.9	51
101	Solubility of high-value compounds in ethyl lactate: Measurements and modeling. *Journal of Chemical Thermodynamics*, **2012**, 48, 93-100	2.9	42
100	Relative hydrophobicity of equilibrium phases in biphasic systems (ionic liquid + water). *Journal of Chemical Thermodynamics*, **2012**, 48, 221-228	2.9	26
99	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	2.9	29
98	Effect of Aqueous Two-Phase System Constituents in Different Poly(ethylene glycol)−Salt Phase Diagrams. *Journal of Chemical & Engineering Data*, **2012**, 57, 1203-1208	2.8	46
97	Free Energy of Transfer of a Methylene Group in Biphasic Systems of Water and Ionic Liquids [C3mpip][NTf2], [C3mpyrr][NTf2], and [C4mpyrr][NTf2]. *Industrial & Engineering Chemistry Research*, **2012**, 51, 8061-8068	3.9	15
96	(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	2.9	27
95	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	74
94	Physical and Excess Properties of Eight Binary Mixtures Containing Water and Ionic Liquids. *Journal of Chemical & Engineering Data*, **2012**, 57, 2165-2176	2.8	66
93	Solubility of xylitol and sorbitol in ionic liquids − Experimental data and modeling. *Journal of Chemical Thermodynamics*, **2012**, 55, 184-192	2.9	39
92	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, 2827-38	4.4	56
91	Temperature Dependence and Structural Influence on the Thermophysical Properties of Eleven Commercial Ionic Liquids. *Industrial & Engineering Chemistry Research*, **2012**, 51, 2492-2504	3.9	142
90	Prediction of the n-hexane/water and 1-octanol/water partition coefficients for environmentally relevant compounds using molecular simulation. *AICHE Journal*, **2012**, 58, 1929-1938	3.6	38

89	Interference of some aqueous two-phase system phase-forming components in protein determination by the Bradford method. *Analytical Biochemistry*, **2012**, 421, 719-24	3.1	31
88	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. *Fluid Phase Equilibria*, **2012**, 313, 38-45	2.5	21
87	Solubility of monosaccharides in ionic liquids Experimental data and modeling. *Fluid Phase Equilibria*, **2012**, 314, 22-28	2.5	36
86	Calculation of drug-like molecules solubility using predictive activity coefficient models. *Fluid Phase Equilibria*, **2012**, 322-323, 48-55	2.5	15
85	Liquid liquid equilibria of mixtures with ethyl lactate and various hydrocarbons. *Fluid Phase Equilibria*, **2012**, 320, 38-42	2.5	12
84	Trihexyl(tetradecyl)phosphonium bromide: Liquid density, surface tension and solubility of carbondioxide. *Fluid Phase Equilibria*, **2012**, 324, 8-12	2.5	12
83	Peroxidase biocatalysis in water-soluble ionic liquids: activity, kinetic and thermal stability. *Biocatalysis and Biotransformation*, **2012**, 30, 417-425	2.5	4
82	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		107
81	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	2.9	16
80	Study of the alkyl chain length on laccase stability and enzymatic kinetic with imidazolium ionic liquids. *Applied Biochemistry and Biotechnology*, **2011**, 164, 524-33	3.2	34
79	Studies of laccase from Trametes versicolor in aqueous solutions of several methylimidazolium ionic liquids. *Bioresource Technology*, **2011**, 102, 7494-9	11	34
78	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. *Physical Chemistry Chemical Physics*, **2011**, 13, 17384-94	3.6	19
77	Using molecular simulation to predict solute solvation and partition coefficients in solvents of different polarity. *Physical Chemistry Chemical Physics*, **2011**, 13, 9155-64	3.6	30
76	Solubility of drug-like molecules in pure organic solvents with the CPA EoS. *Fluid Phase Equilibria*, **2011**, 303, 62-70	2.5	14
75	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 = 323.15 K. *Journal of Chemical Thermodynamics*, **2011**, 43, 1256-1262	2.9	18
74	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	2.8	35
73	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	6.4	71
72	Solute partitioning in polymer salt ATPS: The Collander equation. *Fluid Phase Equilibria*, **2010**, 296, 173-177	2.5	24

71	Synthesis and temperature dependence of physical properties of four pyridinium-based ionic liquids: Influence of the size of the cation. *Journal of Chemical Thermodynamics*, **2010**, 42, 1324-1329	2.9	50
70	Optimization of laccase catalyzed degradation of reactive textile dyes in supercritical carbon dioxide medium by response surface methodology. *Reaction Kinetics, Mechanisms and Catalysis*, **2010**, 99, 311	1.6	4
69	Vapour pressures, osmotic and activity coefficients for binary mixtures containing (1-ethylpyridinium ethylsulfate + several alcohols) at T = 323.15 K. *Journal of Chemical Thermodynamics*, **2010**, 42, 625-630	2.9	18
68	Gibbs free energy of transfer of a methylene group on {UCON + (sodium or potassium) phosphate salts} aqueous two-phase systems: Hydrophobicity effects. *Journal of Chemical Thermodynamics*, **2010**, 42, 1063-1069	2.9	19
67	Molecular simulation of the hydration Gibbs energy of barbiturates. *Fluid Phase Equilibria*, **2010**, 289, 148-155	2.5	15
66	LLE for (water+ionic liquid) binary systems using [Cxmim][BF4] (x=6, 8) ionic liquids. *Fluid Phase Equilibria*, **2010**, 296, 184-191	2.5	49
65	Water solubility of drug-like molecules with the cubic-plus-association equation of state. *Fluid Phase Equilibria*, **2010**, 298, 75-82	2.5	15
64	Temperature and solvent effects in the solubility of some pharmaceutical compounds: Measurements and modeling. *European Journal of Pharmaceutical Sciences*, **2009**, 37, 499-507	5.1	99
63	Sequential decolourization of reactive textile dyes by laccase mediator system. *Journal of Chemical Technology and Biotechnology*, **2009**, 84, 442-446	3.5	23
62	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	2.9	26
61	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	2.9	26
60	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. *Journal of Chemical Thermodynamics*, **2009**, 41, 1439-1445	2.9	19
59	Modeling the discoloration of a mixture of reactive textile dyes by commercial laccase. *Bioresource Technology*, **2009**, 100, 1094-9	11	46
58	Kinetic modelling of decyl acetate synthesis by immobilized lipase-catalysed transesterification of vinyl acetate with decanol in supercritical carbon dioxide. *Journal of Supercritical Fluids*, **2009**, 50, 138-145	4.2	17
57	Application of statistical experimental methodology to optimize reactive dye decolourization by commercial laccase. *Journal of Hazardous Materials*, **2009**, 162, 1255-60	12.8	57
56	Osmotic coefficients of binary mixtures of four ionic liquids with ethanol or water at T=(313.15 and 333.15)K. *Journal of Chemical Thermodynamics*, **2009**, 41, 11-16	2.9	47
55	Treatment and kinetic modelling of a simulated dye house effluent by enzymatic catalysis. *Bioresource Technology*, **2009**, 100, 6236-42	11	20
54	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	3.9	13

53	Kinetic and Stability Study of the Peroxidase Inhibition in Ionic Liquids. *Industrial & Engineering Chemistry Research*, **2009**, 48, 10810-10815	3.9	9
52	Solubilities of biologically active phenolic compounds: measurements and modeling. *Journal of Physical Chemistry B*, **2009**, 113, 3469-76	3.4	77
51	1-Octanol/Water Partition Coefficients of n-Alkanes from Molecular Simulations of Absolute Solvation Free Energies. *Journal of Chemical Theory and Computation*, **2009**, 5, 2436-46	6.4	96
50	Synthesis and Physical Properties of 1-Ethyl 3-methylpyridinium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. *Journal of Chemical & Engineering Data*, **2008**, 53, 1824-1828	2.8	48
49	□G(CH2) in PEG–Salt and Ucon–Salt Aqueous Two-Phase Systems. *Journal of Chemical & Engineering Data*, **2008**, 53, 1622-1625	2.8	29
48	Solubility of l-serine, l-threonine and l-isoleucine in aqueous aliphatic alcohol solutions. *Fluid Phase Equilibria*, **2008**, 270, 1-9	2.5	20
47	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	2.9	51
46	Optimisation of reactive textile dyes degradation by laccase–mediator system. *Journal of Chemical Technology and Biotechnology*, **2008**, 83, 1609-1615	3.5	33
45	Ionic liquids as alternative co-solvents for laccase: study of enzyme activity and stability. *Biotechnology and Bioengineering*, **2008**, 101, 201-7	4.9	83
44	Kinetic modelling and simulation of laccase catalyzed degradation of reactive textile dyes. *Bioresource Technology*, **2008**, 99, 4768-74	11	53
43	DeltaG(CH2) as solvent descriptor in polymer/polymer aqueous two-phase systems. *Journal of Chromatography A*, **2008**, 1185, 85-92	4.5	23
42	"On the Collander equation": protein partitioning in polymer/polymer aqueous two-phase systems. *Journal of Chromatography A*, **2008**, 1190, 39-43	4.5	34
41	Correlations between distribution coefficients of various biomolecules in different polymer/polymer aqueous two-phase systems. *Fluid Phase Equilibria*, **2008**, 267, 150-157	2.5	39
40	Physicochemical Characterization of the PEG8000-Na2SO4 Aqueous Two-Phase System. *Industrial & Engineering Chemistry Research*, **2007**, 46, 8199-8204	3.9	42
39	KCl effect on the solubility of five different amino acids in water. *Fluid Phase Equilibria*, **2007**, 255, 131-137	2.5	59
38	Effect of KCl and Na2SO4 on the Solubility of Glycine and dl-Alanine in Water at 298.15 K. *Industrial & Engineering Chemistry Research*, **2005**, 44, 8892-8898	3.9	61
37	Liquid–liquid Equilibrium of Aqueous Polymer Two-Phase Systems Using the Modified Wilson Equation. *Industrial & Engineering Chemistry Research*, **2005**, 44, 2328-2332	3.9	16
36	Prediction of protein partition in polymer/salt aqueous two-phase systems using the modified Wilson model. *Biochemical Engineering Journal*, **2005**, 24, 147-155	4.2	20

35	Application of the GCA-EoS model to the supercritical processing of fatty oil derivatives. *Journal of Food Engineering*, **2005**, 70, 579-587	6	26
34	Cutinase activity in supercritical and organic media: water activity, solvation and acid–base effects. *Journal of Supercritical Fluids*, **2005**, 35, 62-69	4.2	19
33	Solubility of NaCl, NaBr, and KCl in Water, Methanol, Ethanol, and Their Mixed Solvents. *Journal of Chemical & Engineering Data*, **2005**, 50, 29-32	2.8	259
32	Viscosity of pure supercritical fluids. *Journal of Supercritical Fluids*, **2005**, 36, 106-117	4.2	16
31	Modelling of phase equilibria for associating mixtures using an equation of state. *Journal of Chemical Thermodynamics*, **2004**, 36, 1105-1117	2.9	47
30	Binary diffusion coefficients of α-pinene and β-pinene in supercritical carbon dioxide. *Journal of Supercritical Fluids*, **2004**, 32, 167-175	4.2	39
29	Representation of liquid–liquid equilibria for polymer–salt aqueous two-phase systems. *Chemical Engineering Science*, **2004**, 59, 1153-1159	4.4	16
28	Activity Coefficient and Solubility of Amino Acids in Water by the Modified Wilson Model. *Industrial & Engineering Chemistry Research*, **2004**, 43, 3200-3204	3.9	38
27	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	31
26	Phase Equilibria in Sugar Solutions Using the A-UNIFAC Model. *Industrial & Engineering Chemistry Research*, **2003**, 42, 6212-6222	3.9	55
25	New Modified Wilson Model for Electrolyte Solutions. *Industrial & Engineering Chemistry Research*, **2003**, 42, 5702-5707	3.9	20
24	Modeling and measurements of solid-liquid and vapor-liquid equilibria of polyols and carbohydrates in aqueous solution. *Carbohydrate Research*, **2002**, 337, 1563-71	2.9	50
23	Generalised free-volume theory for transport properties and new trends about the relationship between free volume and equations of state. *Fluid Phase Equilibria*, **2002**, 202, 89-107	2.5	46
22	Infinite Dilution Diffusion Coefficients of Linalool and Benzene in Supercritical Carbon Dioxide. *Journal of Chemical & Engineering Data*, **2002**, 47, 1351-1354	2.8	30
21	Thermodynamics of Ternary Mixtures Containing Sugars. SLE of d-Fructose in Pure and Mixed Solvents. Comparison between Modified UNIQUAC and Modified UNIFAC. *Industrial & Engineering Chemistry Research*, **2001**, 40, 4633-4640	3.9	40
20	Solid–liquid equilibrium of α-lactose in ethanol/water. *Fluid Phase Equilibria*, **2000**, 173, 121-134	2.5	74
19	Prediction of thermodynamic properties using a modified UNIFAC model: application to sugar industrial systems. *Fluid Phase Equilibria*, **1999**, 158-160, 391-399	2.5	12
18	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	4.4	98

17	Models for self-diffusion coefficients of dense fluids, including hydrogen-bonding substances. *Chemical Engineering Science*, **1998**, 53, 2423-2429	4.4	41
16	Diffusion Coefficients of Ethers in Supercritical Carbon Dioxide. *Industrial & Engineering Chemistry Research*, **1998**, 37, 1490-1498	3.9	52
15	Comparison between Different Explicit Expressions of the Effective Hard Sphere Diameter of Lennard-Jones Fluid:Application to Self-Diffusion Coefficients. *Industrial & Engineering Chemistry Research*, **1998**, 37, 221-227	3.9	39
14	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	3.9	68
13	Measurement and Modeling of Solubilities of d-Glucose in Water/Alcohol and Alcohol/Alcohol Systems. *Industrial & Engineering Chemistry Research*, **1997**, 36, 2816-2820	3.9	30
12	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	66
11	Phase equilibria of d-glucose and sucrose in mixed solvent mixtures: Comparison of UNIQUAC 1-based models. *Carbohydrate Research*, **1997**, 303, 135-151	2.9	46
10	Representation of salt solubility in mixed solvents: A comparison of thermodynamic models. *Fluid Phase Equilibria*, **1996**, 116, 209-216	2.5	77
9	Thermodynamic properties of sugars in aqueous solutions: correlation and prediction using a modified UNIQUAC model. *Fluid Phase Equilibria*, **1996**, 123, 71-95	2.5	66
8	Accurate correlations for the self-diffusion coefficients of CO2, CH4, C2H4, H2O, and D2O over wide ranges of temperature and pressure. *Journal of Supercritical Fluids*, **1995**, 8, 310-317	4.2	39
7	Infinite-dilution activity coefficients by comparative ebulliometry. Binary systems containing chloroform and diethylamine. *Fluid Phase Equilibria*, **1994**, 95, 149-162	2.5	6
6	Representation of solubilities of amino acids using the uniquac model for electrolytes. *Chemical Engineering Science*, **1994**, 49, 3803-3812	4.4	27
5	Solubility of Amino Acids: A Group-Contribution Model Involving Phase and Chemical Equilibria. *Industrial & Engineering Chemistry Research*, **1994**, 33, 1341-1347	3.9	70
4	Infinite-dilution activity coefficients by comparative ebulliometry: five systems containing ethyl formate. *Fluid Phase Equilibria*, **1993**, 85, 171-179	2.5	12
3	The MHV2 model: a UNIFAC-based equation of state model for vapor-liquid and liquid-liquid equilibria of mixtures with strong electrolytes. *Industrial & Engineering Chemistry Research*, **1992**, 31, 1195-1201	3.9	46
2	Calculation of phase equilibria for solutions of strong electrolytes in solvent–water mixtures. *Chemical Engineering Science*, **1990**, 45, 875-882	4.4	139
1	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. *Fluid Phase Equilibria*, **1984**, 18, 197-210	2.5	10