

Eva Rodil

List of Publications by Year in descending order

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68
papers

2,050
citations

201385

27
h-index

253896

43
g-index

73
all docs

73
docs citations

73
times ranked

1732
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of dialkylimidazolium-based ionic liquids from their mixtures with acetone or water by flash distillation. <i>Journal of Molecular Liquids</i> , 2022, 346, 118292.	2.3	3
2	Nanomaterial Synthesis in Ionic Liquids and Their Use on the Photocatalytic Degradation of Emerging Pollutants. <i>Nanomaterials</i> , 2021, 11, 411.	1.9	2
3	Towards improving the sustainability of bioplastics: Process modelling and life cycle assessment of two separation routes for 2,5-furandicarboxylic acid. <i>Separation and Purification Technology</i> , 2020, 233, 116056.	3.9	32
4	Separation of Linalool from Limonene via Extractive Distillation with 1-Butyl-3-methylimidazolium Acetate as Entrainer. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19449-19457.	1.8	20
5	Recovery of the ionic liquids [C2mim][OAc] or [C2mim][SCN] by distillation from their binary mixtures with methanol or ethanol. <i>Separation and Purification Technology</i> , 2020, 248, 117103.	3.9	11
6	Deterpenation of citrus essential oil with 1-ethyl-3-methylimidazolium acetate: A comparison of unit operations. <i>Separation and Purification Technology</i> , 2020, 250, 117208.	3.9	15
7	Potential impact on the recruitment of chemical engineering graduates due to the industrial internship. <i>Education for Chemical Engineers</i> , 2019, 26, 107-113.	2.8	12
8	Measurements of the density, refractive index, electrical conductivity, thermal conductivity and dynamic viscosity for tributylmethylphosphonium and methylsulfate based ionic liquids. <i>Thermochimica Acta</i> , 2018, 664, 81-90.	1.2	34
9	Polyethylene glycol (1500 or 600) + potassium tartrate aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2018, 470, 120-125.	1.4	9
10	7. Removal of Metals from Aqueous Solutions by Complexation using Surfactants. , 2018, , 205-249.		0
11	8. Extraction of Proteins from Aqueous Solutions by Complexation Using Surfactants. , 2018, , 250-290.		0
12	Environmental sustainability assessment of HMF and FDCA production from lignocellulosic biomass through life cycle assessment (LCA). <i>Holzforschung</i> , 2018, 73, 105-115.	0.9	27
13	Photocatalytic degradation of methyl orange, methylene blue and rhodamine B with AgCl nanocatalyst synthesised from its bulk material in the ionic liquid [P6,6,6,14]Cl. <i>Water Science and Technology</i> , 2017, 75, 128-140.	1.2	24
14	The effect of temperature on polyethylene glycol (4000 or 8000) + (sodium or ammonium) sulfate Aqueous Two Phase Systems. <i>Fluid Phase Equilibria</i> , 2016, 428, 95-101.	1.4	34
15	Synthesis of AgCl nanoparticles in ionic liquid and their application in photodegradation of Orange II. <i>Journal of Materials Science</i> , 2015, 50, 3576-3585.	1.7	13
16	Extractive and oxidative-extractive desulfurization of fuels with ionic liquids. <i>Fuel</i> , 2014, 117, 882-889.	3.4	124
17	Surface Tension of Binary Mixtures of 1-Alkyl-3-Methyl-Imidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids with Alcohols. <i>Journal of Solution Chemistry</i> , 2014, 43, 404-420.	0.6	26
18	Synthesis and characterization of highly concentrated Ag+ [P6,6,6,14]Cl ionic liquids. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	12

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19	Preparation of metal oxide nanoparticles in ionic liquid medium. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	16
20	Direct Preparation of Sulfide Semiconductor Nanoparticles from the Corresponding Bulk Powders in an Ionic Liquid. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1424-1427.	7.2	14
21	Isobaric vapour-liquid equilibria and physical properties for isopropyl acetate+isopropanol+1-butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide mixtures. <i>Fluid Phase Equilibria</i> , 2011, 300, 162-171.	1.4	40
22	Physico-chemical Properties of Binary and Ternary Mixtures of Ethyl Acetate + Ethanol + 1-Butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide at 298.15 K and Atmospheric Pressure. <i>Journal of Solution Chemistry</i> , 2010, 39, 371-383.	0.6	65
23	Physical properties and phase equilibria of the system isopropyl acetate+isopropanol+1-octyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide. <i>Fluid Phase Equilibria</i> , 2010, 287, 84-94.	1.4	55
24	Isobaric Vapor-Liquid Equilibria at 101.32 kPa and Densities, Speeds of Sound, and Refractive Indices at 298.15 K for MTBE or DIPE or TAME + 1-Propanol Binary Systems. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 92-97.	1.0	22
25	Physical and excess properties of (methyl acetate+methanol+1-octyl-3-methyl-imidazolium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 1317-1323.	1.0	46
26	Physical Properties of Binary and Ternary Mixtures of Ethyl Acetate, Ethanol, and 1-Octyl-3-methyl-imidazolium Bis(trifluoromethylsulfonyl)imide at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1022-1028.	1.0	42
27	Measurement of Ion Activity Coefficients in Aqueous Solutions of Mixed Electrolyte with a Common Ion: $\text{NaNO}_3 + \text{KNO}_3$, $\text{NaCl} + \text{KCl}$, and $\text{NaBr} + \text{NaCl}$. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 345-350.	1.0	15
28	Preparation of AgX (X = Cl, I) nanoparticles using ionic liquids. <i>Nanotechnology</i> , 2008, 19, 105603.	1.3	36
29	Preparation of AgBr Nanoparticles in Microemulsions Via Reaction of AgNO_3 with CTAB Counterion. <i>Journal of Nanoparticle Research</i> , 2007, 9, 787-796.	0.8	42
30	A Novel Approach for the Preparation of AgBr Nanoparticles from Their Bulk Solid Precursor Using CTAB Microemulsions. <i>Langmuir</i> , 2006, 22, 2264-2272.	1.6	47
31	Volumetric and Viscosity Study for the Mixtures of 2-Ethoxy-2-methylpropane, Ethanol, and 1-Ethyl-3-methylimidazolium Ethyl Sulfate Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1453-1457.	1.0	100
32	Towards accurate values of individual ion activities. <i>Fluid Phase Equilibria</i> , 2006, 241, 59-69.	1.4	49
33	A complete discussion of the rationale supporting the experimental determination of individual ionic activities. <i>Fluid Phase Equilibria</i> , 2006, 244, 33-45.	1.4	29
34	Physical and Excess Properties for Binary Mixtures of 1-Methyl-3-Octylimidazolium Tetrafluoroborate, [Omim][BF ₄], Ionic Liquid with Different Alcohols. <i>Journal of Solution Chemistry</i> , 2006, 35, 63-78.	0.6	117
35	Isobaric vapor-liquid equilibria for systems composed by 2-ethoxy-2-methylbutane, methanol or ethanol and water at 101.32kPa. <i>Fluid Phase Equilibria</i> , 2005, 233, 9-18.	1.4	8
36	A novel method for the preparation of silver chloride nanoparticles starting from their solid powder using microemulsions. <i>Journal of Colloid and Interface Science</i> , 2005, 288, 457-467.	5.0	80

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37	Precipitation and Recovery of Cytochrome c and Hemoglobin Using AOT and Acetone. Separation Science and Technology, 2005, 39, 1005-1019.	1.3	10
38	Surfactant precipitation and polar solvent recovery of $\hat{I}\pm$ -chymotrypsin and ribonuclease-A. Biochemical Engineering Journal, 2004, 17, 91-97.	1.8	15
39	Removal of aluminum from aqueous solutions using sodium di-(n-octyl) phosphinate. Chemical Engineering Journal, 2004, 97, 225-232.	6.6	12
40	On the activity of ions and the junction potential: Revised values for all data. AIChE Journal, 2004, 50, 445-462.	1.8	82
41	Formation of silver bromide precipitate of nanoparticles in a single microemulsion utilizing the surfactant counterion. Journal of Colloid and Interface Science, 2004, 273, 426-434.	5.0	55
42	Selective removal of gallium (III) from aqueous solutions containing zinc or aluminum using sodium di-(n-octyl) phosphinate. Water Research, 2004, 38, 1745-1752.	5.3	3
43	(Vapour+liquid) equilibrium of (DIPE+IPA+water) at 101.32kPa. Journal of Chemical Thermodynamics, 2003, 35, 871-884.	1.0	28
44	The activity of ions: analysis of the theory and data for aqueous solutions of MgBr ₂ , CaBr ₂ and BaBr ₂ at 298.2 K. Fluid Phase Equilibria, 2003, 205, 115-132.	1.4	26
45	Selective Precipitation of Lysozyme from Egg White Using AOT. Journal of Food Science, 2003, 68, 595-598.	1.5	22
46	Formation of Silver Chloride Nanoparticles in Microemulsions by Direct Precipitation with the Surfactant Counterion. Langmuir, 2003, 19, 8467-8474.	1.6	69
47	Vapor-Liquid Equilibrium of the Ternary System Ethyl Acetate + Hexane + Acetone at 101.32 kPa. Journal of Chemical & Engineering Data, 2002, 47, 849-854.	1.0	38
48	A thermodynamic study on binary and ternary mixtures of acetonitrile, water and butyl acetate. Fluid Phase Equilibria, 2002, 203, 83-98.	1.4	70
49	Densities, Speeds of Sound, Refractive Indices, and the Corresponding Changes of Mixing at 25 °C and Atmospheric Pressure for Systems Composed by Ethyl Acetate, Hexane, and Acetone. Journal of Chemical & Engineering Data, 2001, 46, 1176-1180.	1.0	38
50	Property Changes of Mixing for the 1-Butanol + Methanol + 2-Methoxy-2-methylbutane System at 298.15 K and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2001, 46, 962-966.	1.0	7
51	Physical Properties and Their Changes on Mixing at 298.15 K and Atmospheric Pressure for the 2-Ethoxy-2-methylbutane + Methanol + Water System. Journal of Chemical & Engineering Data, 2001, 46, 1261-1265.	1.0	6
52	Individual activity coefficients of chloride ions in aqueous solutions of MgCl ₂ , CaCl ₂ and BaCl ₂ at 298.2 K. Fluid Phase Equilibria, 2001, 187-188, 15-27.	1.4	44
53	Thermophysical properties for 1-butanol+ethanol+2-methoxy-2-methylbutane ternary system. Fluid Phase Equilibria, 2001, 187-188, 155-169.	1.4	8
54	Measurement and correlation of the activity coefficients of individual ions in aqueous electrolyte solutions of Na ₂ SO ₄ and K ₂ SO ₄ . Canadian Journal of Chemical Engineering, 2001, 79, 771-776.	0.9	15

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55	Determination of the activity of H ⁺ ions within and beyond the pH meter range. <i>AIChE Journal</i> , 2001, 47, 2807-2818.	1.8	21
56	Physical and equilibrium properties of diisopropyl ether+isopropyl alcohol+water system. <i>Fluid Phase Equilibria</i> , 2000, 170, 113-126.	1.4	69
57	Phase equilibria involved in extractive distillation of 2-methoxy-2-methylpropane+methanol using 1-butanol as entrainer. <i>Fluid Phase Equilibria</i> , 2000, 171, 207-218.	1.4	9
58	Density, Refractive Index, and Speed of Sound for 2-Ethoxy-2-Methylbutane + Ethanol + Water at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 536-539.	1.0	20
59	Experimental Determination of the Vapor-Liquid Equilibrium at 101.32 kPa of the Ternary System 1-Butanol + Methanol + TAME. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 1112-1115.	1.0	5
60	Thermodynamic behaviour of ethanol+methanol+2-ethoxy-2-methylpropane system. Physical properties and phase equilibria. <i>Fluid Phase Equilibria</i> , 1999, 165, 121-139.	1.4	12
61	Extractive distillation of 2-methoxy-2-methylpropane + ethanol using 1-butanol as entrainer: Equilibria and simulation. <i>Canadian Journal of Chemical Engineering</i> , 1999, 77, 1135-1140.	0.9	13
62	Molar Volume, Refractive Index, and Isentropic Compressibility at 298.15 K for 1-Butanol + Ethanol + 2-Methoxy-2-methylpropane. <i>Journal of Chemical & Engineering Data</i> , 1999, 44, 291-295.	1.0	23
63	Physical Properties of the Ternary System 1-Butanol + Methanol + 2-Methoxy-2-methylpropane at 298.15 K: Measurement and Prediction. <i>Journal of Chemical & Engineering Data</i> , 1999, 44, 1028-1033.	1.0	13
64	Title is missing!. <i>Journal of Solution Chemistry</i> , 1998, 27, 911-923.	0.6	19
65	Title is missing!. <i>Journal of Solution Chemistry</i> , 1998, 27, 601-619.	0.6	11
66	Measurement and prediction of isobaric vapour-liquid equilibrium data of the system ethanol+methanol+2-methoxy-2-methylpropane. <i>Fluid Phase Equilibria</i> , 1998, 146, 139-153.	1.4	13
67	Isobaric (vapour+liquid) equilibrium of (ethanol+methanol+2-methoxy-2-methylbutane). <i>Journal of Chemical Thermodynamics</i> , 1998, 30, 1363-1372.	1.0	1
68	Molar Volumes, Molar Refractions, and Isentropic Compressibilities of (Ethanol + Methanol +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 of <i>Chemical & Engineering Data</i> , 1997, 42, 721-726.	1.0	33