# Eva Rodil

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 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 | Extractive and oxidative-extractive desulfurization of fuels with ionic liquids. Fuel, 2014, 117, 882-889. | 3.4 | 124 |
| 2 | Physical and Excess Properties for Binary Mixtures of 1-Methyl-3-Octylimidazolium Tetrafluoroborate, [Omim][BF4], Ionic Liquid with Different Alcohols. Journal of Solution Chemistry, 2006, 35, 63-78. | 0.6 | 117 |
| 3 | Volumetric and Viscosity Study for the Mixtures of 2-Ethoxy-2-methylpropane, Ethanol, and 1-Ethyl-3-methylimidazolium Ethyl Sulfate Ionic Liquid. Journal of Chemical & Engineering Data, 2006, 51, 1453-1457. | 1.0 | 100 |
| 4 | On the activity of ions and the junction potential: Revised values for all data. AICHE Journal, 2004, 50, 445-462. | 1.8 | 82 |
| 5 | A novel method for the preparation of silver chloride nanoparticles starting from their solid powder using microemulsions. Journal of Colloid and Interface Science, 2005, 288, 457-467. | 5.0 | 80 |
| 6 | A thermodynamic study on binary and ternary mixtures of acetonitrile, water and butyl acetate. Fluid Phase Equilibria, 2002, 203, 83-98. | 1.4 | 70 |
| 7 | Physical and equilibrium properties of diisopropyl ether+isopropyl alcohol+water system. Fluid Phase Equilibria, 2000, 170, 113-126. | 1.4 | 69 |
| 8 | Formation of Silver Chloride Nanoparticles in Microemulsions by Direct Precipitation with the Surfactant Counterion. Langmuir, 2003, 19, 8467-8474. | 1.6 | 69 |
| 9 | Physico-chemical Properties of Binary and Ternary Mixtures of Ethyl Acetate + Ethanol + 1-Butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide at 298.15ÂK and Atmospheric Pressure. Journal of Solution Chemistry, 2010, 39, 371-383. | 0.6 | 65 |
| 10 | Formation of silver bromide precipitate of nanoparticles in aÂsingle microemulsion utilizing the surfactant counterion. Journal of Colloid and Interface Science, 2004, 273, 426-434. | 5.0 | 55 |
| 11 | Physical properties and phase equilibria of the system isopropyl acetate+isopropanol+1-octyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide. Fluid Phase Equilibria, 2010, 287, 84-94. | 1.4 | 55 |
| 12 | Towards accurate values of individual ion activities. Fluid Phase Equilibria, 2006, 241, 59-69. | 1.4 | 49 |
| 13 | A Novel Approach for the Preparation of AgBr Nanoparticles from Their Bulk Solid Precursor Using CTAB Microemulsions. Langmuir, 2006, 22, 2264-2272. | 1.6 | 47 |
| 14 | Physical and excess properties of (methyl acetate+methanol+1-octyl-3-methyl-imidazolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Tc Journal of Chemical Thermodynamics, 2009, 41, 1317-1323. | 1.0 | 46 |
| 15 | Individual activity coefficients of chloride ions in aqueous solutions of MgCl2, CaCl2 and BaCl2 at 298.2 K. Fluid Phase Equilibria, 2001, 187-188, 15-27. | 1.4 | 44 |
| 16 | Preparation of AgBr Nanoparticles in Microemulsions Via Reaction of AgNO3 with CTAB Counterion. Journal of Nanoparticle Research, 2007, 9, 787-796. | 0.8 | 42 |
| 17 | Physical Properties of Binary and Ternary Mixtures of Ethyl Acetate, Ethanol, and 1-Octyl-3-methyl-imidazolium Bis(trifluoromethylsulfonyl)imide at 298.15 K. Journal of Chemical & Engineering Data, 2009, 54, 1022-1028. | 1.0 | 42 |
| 18 | Isobaric vapourâ€“liquid equilibria and physical properties for isopropyl acetate+isopropanol+1-butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide mixtures. Fluid Phase Equilibria, 2011, 300, 162-171. | 1.4 | 40 |

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|---|---|---|---|
| 19 | Densities, Speeds of Sound, Refractive Indices, and the Corresponding Changes of Mixing at 25 Â°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 |
| 20 | Vaporâ^'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 |
| 21 | Preparation of AgX (X = Cl, I) nanoparticles using ionic liquids. Nanotechnology, 2008, 19, 105603. | 1.3 | 36 |
| 22 | The effect of temperature on polyethylene glycol (4000 or 8000)â€"(sodium or ammonium) sulfate Aqueous Two Phase Systems. Fluid Phase Equilibria, 2016, 428, 95-101. | 1.4 | 34 |
| 23 | Measurements of the density, refractive index, electrical conductivity, thermal conductivity and dynamic viscosity for tributylmethylphosphonium and methylsulfate based ionic liquids. Thermochimica Acta, 2018, 664, 81-90. | 1.2 | 34 |
| 24 | Molar Volumes, Molar Refractions, and Isentropic Compressibilities of (Ethanol + Methanol +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 of Chemical & Engineering Data, 1997, 42, 721-726. | 1.0 | 33 |
| 25 | Towards improving the sustainability of bioplastics: Process modelling and life cycle assessment of two separation routes for 2,5-furandicarboxylic acid. Separation and Purification Technology, 2020, 233, 116056. | 3.9 | 32 |
| 26 | A complete discussion of the rationale supporting the experimental determination of individual ionic activities. Fluid Phase Equilibria, 2006, 244, 33-45. | 1.4 | 29 |
| 27 | (Vapour+liquid) equilibrium of (DIPE+IPA+water) at 101.32kPa. Journal of Chemical Thermodynamics, 2003, 35, 871-884. | 1.0 | 28 |
| 28 | Environmental sustainability assessment of HMF and FDCA production from lignocellulosic biomass through life cycle assessment (LCA). Holzforschung, 2018, 73, 105-115. | 0.9 | 27 |
| 29 | The activity of ions: analysis of the theory and data for aqueous solutions of MgBr2, CaBr2 and BaBr2 at 298.2 K. Fluid Phase Equilibria, 2003, 205, 115-132. | 1.4 | 26 |
| 30 | Surface Tension of Binary Mixtures of 1-Alkyl-3-Methyl-Imidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids with Alcohols. Journal of Solution Chemistry, 2014, 43, 404-420. | 0.6 | 26 |
| 31 | 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. Water Science and Technology, 2017, 75, 128-140. | 1.2 | 24 |
| 32 | Molar Volume, Refractive Index, and Isentropic Compressibility at 298.15 K for 1-Butanol + Ethanol + 2-Methoxy-2-methylpropane. Journal of Chemical & Engineering Data, 1999, 44, 291-295. | 1.0 | 23 |
| 33 | Selective Precipitation of Lysozyme from Egg White Using AOT. Journal of Food Science, 2003, 68, 595-598. | 1.5 | 22 |
| 34 | Isobaric Vaporâ^'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. Journal of Chemical & Engineering Data, 2010, 55, 92-97. | 1.0 | 22 |
| 35 | Determination of the activity of H+ ions within and beyond the pH meter range. AICHE Journal, 2001, 47, 2807-2818. | 1.8 | 21 |
| 36 | Density, Refractive Index, and Speed of Sound for 2-Ethoxy-2-Methylbutane + Ethanol + Water at 298.15 K. Journal of Chemical & Engineering Data, 2000, 45, 536-539. | 1.0 | 20 |

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|---|---|---|---|
| 37 | Separation of Linalool from Limonene via Extractive Distillation with 1-Butyl-3-methylimidazolium Acetate as Entrainer. Industrial & Engineering Chemistry Research, 2020, 59, 19449-19457. | 1.8 | 20 |
| 38 | Title is missing!. Journal of Solution Chemistry, 1998, 27, 911-923. | 0.6 | 19 |
| 39 | Preparation of metal oxide nanoparticles in ionic liquid medium. Journal of Nanoparticle Research, 2012, 14, 1. | 0.8 | 16 |
| 40 | Measurement and correlation of the activity coefficients of individual ions in aqueous electrolyte solutions of Na<sub>2</sub>So<sub>4</sub> and K<sub>2</sub>So<sub>4</sub>. Canadian Journal of Chemical Engineering, 2001, 79, 771-776. | 0.9 | 15 |
| 41 | Surfactant precipitation and polar solvent recovery of Î±-chymotrypsin and ribonuclease-A. Biochemical Engineering Journal, 2004, 17, 91-97. | 1.8 | 15 |
| 42 | Measurement of Ion Activity Coefficients in Aqueous Solutions of Mixed Electrolyte with a Common Ion: NaNO<sub>3</sub> + KNO<sub>3</sub>, NaCl + KCl, and NaBr + NaCl. Journal of Chemical & Engineering Data, 2009, 54, 345-350. | 1.0 | 15 |
| 43 | Deterpenation of citrus essential oil with 1-ethyl-3-methylimidazolium acetate: A comparison of unit operations. Separation and Purification Technology, 2020, 250, 117208. | 3.9 | 15 |
| 44 | Direct Preparation of Sulfide Semiconductor Nanoparticles from the Corresponding Bulk Powders in an Ionic Liquid. Angewandte Chemie - International Edition, 2012, 51, 1424-1427. | 7.2 | 14 |
| 45 | Measurement and prediction of isobaric vapourâ€“liquid equilibrium data of the system ethanol+methanol+2-methoxy-2-methylpropane. Fluid Phase Equilibria, 1998, 146, 139-153. | 1.4 | 13 |
| 46 | Extractive distillation of 2â€methoxyâ€2â€methylpropane + ethanol using 1â€butanol as entrainer: Equilibria and simulation. Canadian Journal of Chemical Engineering, 1999, 77, 1135-1140. | 0.9 | 13 |
| 47 | Physical Properties of the Ternary System 1-Butanol + Methanol + 2-Methoxy-2-methylpropane at 298.15 K:â€‰ Measurement and Prediction. Journal of Chemical & Engineering Data, 1999, 44, 1028-1033. | 1.0 | 13 |
| 48 | Synthesis of AgCl nanoparticles in ionic liquid and their application in photodegradation of Orange II. Journal of Materials Science, 2015, 50, 3576-3585. | 1.7 | 13 |
| 49 | Thermodynamic behaviour of ethanol+methanol+2-ethoxy-2-methylpropane system. Physical properties and phase equilibria. Fluid Phase Equilibria, 1999, 165, 121-139. | 1.4 | 12 |
| 50 | Removal of aluminum from aqueous solutions using sodium di-(n-octyl) phosphinate. Chemical Engineering Journal, 2004, 97, 225-232. | 6.6 | 12 |
| 51 | Synthesis and characterization of highly concentrated Agâ€“[P6,6,6,14]Cl ionanofluids. Journal of Nanoparticle Research, 2013, 15, 1. | 0.8 | 12 |
| 52 | Potential impact on the recruitment of chemical engineering graduates due to the industrial internship. Education for Chemical Engineers, 2019, 26, 107-113. | 2.8 | 12 |
| 53 | Title is missing!. Journal of Solution Chemistry, 1998, 27, 601-619. | 0.6 | 11 |
| 54 | Recovery of the ionic liquids [C2mim][OAc] or [C2mim][SCN] by distillation from their binary mixtures with methanol or ethanol. Separation and Purification Technology, 2020, 248, 117103. | 3.9 | 11 |

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|---|---|---|---|
| 55 | Precipitation and Recovery of Cytochrome c and Hemoglobin Using AOT and Acetone. Separation Science and Technology, 2005, 39, 1005-1019. | 1.3 | 10 |
| 56 | Phase equilibria involved in extractive distillation of 2-methoxy-2-methylpropane+methanol using 1-butanol as entrainer. Fluid Phase Equilibria, 2000, 171, 207-218. | 1.4 | 9 |
| 57 | Polyethylene glycol (1500 or 600) â€“ potassium tartrate aqueous two-phase systems. Fluid Phase Equilibria, 2018, 470, 120-125. | 1.4 | 9 |
| 58 | Thermophysical properties for 1-butanol+ethanol+2-methoxy-2-methylbutane ternary system. Fluid Phase Equilibria, 2001, 187-188, 155-169. | 1.4 | 8 |
| 59 | Isobaric vaporâ€“liquid equilibria for systems composed by 2-ethoxy-2-methylbutane, methanol or ethanol and water at 101.32kPa. Fluid Phase Equilibria, 2005, 233, 9-18. | 1.4 | 8 |
| 60 | 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 |
| 61 | 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 |
| 62 | Experimental Determination of the Vaporâ”Liquid Equilibrium at 101.32 kPa of the Ternary System 1-Butanol + Methanol + TAME. Journal of Chemical & Engineering Data, 2000, 45, 1112-1115. | 1.0 | 5 |
| 63 | 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 |
| 64 | Recovery of dialkylimidazolium-based ionic liquids from their mixtures with acetone or water by flash distillation. Journal of Molecular Liquids, 2022, 346, 118292. | 2.3 | 3 |
| 65 | Nanomaterial Synthesis in Ionic Liquids and Their Use on the Photocatalytic Degradation of Emerging Pollutants. Nanomaterials, 2021, 11, 411. | 1.9 | 2 |
| 66 | Isobaric (vapour+liquid) equilibrium of (ethanol+methanol+2-methoxy-2-methylbutane). Journal of Chemical Thermodynamics, 1998, 30, 1363-1372. | 1.0 | 1 |
| 67 | 7. Removal of Metals from Aqueous Solutions by Complexation using Surfactants. , 2018, , 205-249. | | 0 |
| 68 | 8. Extraction of Proteins from Aqueous Solutions by Complexation Using Surfactants. , 2018, , 250-290. | | 0 |