# MÃ³nia A R Martins

List of Publications by Year
in descending order



| 44 | 2,439 | 21 | 44 |
|---|---|---|---|
| papers | citations | h-index | g-index |
| | | 331670 | 243625 |

| 44 | 44 | 44 | 1681 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Insights into the Nature of Eutectic and Deep Eutectic Mixtures. Journal of Solution Chemistry, 2019, 48, 962-982. | 1.2 | 603 |
| 2 | Phenolic hydrogen bond donors in the formation of non-ionic deep eutectic solvents: the quest for type V DES. Chemical Communications, 2019, 55, 10253-10256. | 4.1 | 272 |
| 3 | Tunable Hydrophobic Eutectic Solvents Based on Terpenes and Monocarboxylic Acids. ACS Sustainable Chemistry and Engineering, 2018, 6, 8836-8846. | 6.7 | 207 |
| 4 | Sustainable hydrophobic terpene-based eutectic solvents for the extraction and separation of metals. Chemical Communications, 2018, 54, 8104-8107. | 4.1 | 116 |
| 5 | Design and Characterization of Sugar-Based Deep Eutectic Solvents Using Conductor-like Screening Model for Real Solvents. ACS Sustainable Chemistry and Engineering, 2018, 6, 10724-10734. | 6.7 | 98 |
| 6 | Measurement and PC-SAFT modeling of solid-liquid equilibrium of deep eutectic solvents of quaternary ammonium chlorides and carboxylic acids. Fluid Phase Equilibria, 2017, 448, 69-80. | 2.5 | 88 |
| 7 | Greener Terpeneâ€“Terpene Eutectic Mixtures as Hydrophobic Solvents. ACS Sustainable Chemistry and Engineering, 2019, 7, 17414-17423. | 6.7 | 85 |
| 8 | Indirect assessment of the fusion properties of choline chloride from solid-liquid equilibria data. Fluid Phase Equilibria, 2017, 448, 9-14. | 2.5 | 73 |
| 9 | Non-Ideality in Thymol + Menthol Type V Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2021, 9, 2203-2211. | 6.7 | 72 |
| 10 | Understanding the Formation of Deep Eutectic Solvents: Betaine as a Universal Hydrogen Bond Acceptor. ChemSusChem, 2020, 13, 4916-4921. | 6.8 | 68 |
| 11 | Densities, viscosities and derived thermophysical properties of water-saturated imidazolium-based ionic liquids. Fluid Phase Equilibria, 2016, 407, 188-196. | 2.5 | 67 |
| 12 | Non-ionic hydrophobic eutectics â€“ versatile solvents for tailored metal separation and valorisation. Green Chemistry, 2020, 22, 2810-2820. | 9.0 | 67 |
| 13 | Terpenes solubility in water and their environmental distribution. Journal of Molecular Liquids, 2017, 241, 996-1002. | 4.9 | 59 |
| 14 | Characterization and Modeling of the Liquid Phase of Deep Eutectic Solvents Based on Fatty Acids/Alcohols and Choline Chloride. Industrial & Engineering Chemistry Research, 2017, 56, 12192-12202. | 3.7 | 57 |
| 15 | Selection of Ionic Liquids to be Used as Separation Agents for Terpenes and Terpenoids. ACS Sustainable Chemistry and Engineering, 2016, 4, 548-556. | 6.7 | 49 |
| 16 | The Role of Polyfunctionality in the Formation of [Ch]Cl-Carboxylic Acid-Based Deep Eutectic Solvents. Industrial & Engineering Chemistry Research, 2018, 57, 11195-11209. | 3.7 | 46 |
| 17 | Measurements of activity coefficients at infinite dilution of organic solutes and water on polar imidazolium-based ionic liquids. Journal of Chemical Thermodynamics, 2015, 91, 194-203. | 2.0 | 45 |
| 18 | Impact of the cation symmetry on the mutual solubilities between water and imidazolium-based ionic liquids. Fluid Phase Equilibria, 2014, 375, 161-167. | 2.5 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Eutectic Mixtures Based on Polyalcohols as Sustainable Solvents: Screening and Characterization. ACS Sustainable Chemistry and Engineering, 2020, 8, 15317-15326. | 6.7 | 29 |
| 20 | Liquefying Compounds by Forming Deep Eutectic Solvents: A Case Study for Organic Acids and Alcohols. Journal of Physical Chemistry B, 2020, 124, 4174-4184. | 2.6 | 25 |
| 21 | What a difference a methyl group makes â€“ probing cholineâ€“urea molecular interactions through urea structure modification. Physical Chemistry Chemical Physics, 2019, 21, 18278-18289. | 2.8 | 24 |
| 22 | Selection and characterization of non-ideal ionic liquids mixtures to be used in CO2 capture. Fluid Phase Equilibria, 2020, 518, 112621. | 2.5 | 23 |
| 23 | The Role of Charge Transfer in the Formation of Type I Deep Eutectic Solvent-Analogous Ionic Liquid Mixtures. Molecules, 2019, 24, 3687. | 3.8 | 21 |
| 24 | Solubility and solid phase studies of isomeric phenolic acids in pure solvents. Journal of Molecular Liquids, 2018, 272, 1048-1057. | 4.9 | 19 |
| 25 | Differences on the impact of water on the deep eutectic solvents betaine/urea and choline/urea. Journal of Chemical Physics, 2021, 155, 034501. | 3.0 | 19 |
| 26 | Can cholinium chloride form eutectic solvents with organic chloride-based salts?. Fluid Phase Equilibria, 2019, 493, 120-126. | 2.5 | 16 |
| 27 | Vapor pressure predictions of multi-functional oxygen-containing organic compounds with COSMO-RS. Atmospheric Environment, 2016, 133, 135-144. | 4.1 | 15 |
| 28 | Physico-chemical characterization of aqueous solutions of superbase ionic liquids with cellulose dissolution capability. Fluid Phase Equilibria, 2022, 556, 113414. | 2.5 | 15 |
| 29 | Partial Molar Volumes of Glycine and dl-Alanine in Aqueous Ammonium Sulfate Solutions at 278.15, 288.15, 298.15 and 308.15Â K. Journal of Solution Chemistry, 2014, 43, 972-988. | 1.2 | 14 |
| 30 | Ionic liquids as entrainers for terpenes fractionation and other relevant separation problems. Journal of Molecular Liquids, 2021, 323, 114647. | 4.9 | 14 |
| 31 | Analysis of the isomerism effect on the mutual solubilities of bis(trifluoromethylsulfonyl)imide-based ionic liquids with water. Fluid Phase Equilibria, 2014, 381, 28-35. | 2.5 | 13 |
| 32 | Solid-liquid phase behavior of eutectic solvents containing sugar alcohols. Journal of Molecular Liquids, 2021, 337, 116392. | 4.9 | 12 |
| 33 | Extensive characterization of choline chloride and its solidâ€“liquid equilibrium with water. Physical Chemistry Chemical Physics, 2022, 24, 14886-14897. | 2.8 | 12 |
| 34 | The role of ionic vs. non-ionic excipients in APIs-based eutectic systems. European Journal of Pharmaceutical Sciences, 2021, 156, 105583. | 4.0 | 10 |
| 35 | Development of a robust soft-SAFT model for protic ionic liquids using new high-pressure density data. Fluid Phase Equilibria, 2021, 539, 113036. | 2.5 | 10 |
| 36 | Selecting Critical Properties of Terpenes and Terpenoids through Group-Contribution Methods and Equations of State. Industrial & Engineering Chemistry Research, 2017, 56, 9895-9905. | 3.7 | 9 |

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|---|---|---|---|
| 37 | The impact of oligomeric anions on the speciation of protic ionic liquids. Fluid Phase Equilibria, 2021, 531, 112919. | 2.5 | 7 |
| 38 | Surface crystallization of ionic liquid crystals. Physical Chemistry Chemical Physics, 2019, 21, 17792-17800. | 2.8 | 6 |
| 39 | Aqueous solubilities of five N-(diethylaminothiocarbonyl)benzimido derivatives at TÂ=Â298.15ÂK. Chemosphere, 2016, 160, 45-53. | 8.2 | 5 |
| 40 | Infinite Dilution Activity Coefficients in the Smectic and Isotropic Phases of Tetrafluoroborate-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2021, 66, 2587-2596. | 1.9 | 5 |
| 41 | Physical properties and solid-liquid equilibria for hexafluorophosphate-based ionic liquid ternary mixtures and their corresponding subsystems. Journal of Molecular Liquids, 2020, 316, 113742. | 4.9 | 4 |
| 42 | Encapsulated Protic Ionic Liquids as Sustainable Materials for CO<sub>2</sub> Separation. Industrial & Engineering Chemistry Research, 2022, 61, 4046-4057. | 3.7 | 4 |
| 43 | Solidâ€“Liquid Equilibria for Hexafluorophosphate-Based Ionic Liquid Quaternary Mixtures and Their Corresponding Subsystems. Journal of Physical Chemistry B, 2019, 123, 8954-8969. | 2.6 | 3 |
| 44 | Densities, heat capacities, viscosities, 1H- and 13C-NMR spectra, and solvatochromic parameters of binary mixtures of 1,3-dimethyl-1,3-diazinan-2-one (DMPU) and water. Journal of Chemical Thermodynamics, 2021, 161, 106550. | 2.0 | 3 |