MÃ³nia A R Martins

List of Publications by Year
in descending order

44 papers	2,439 citations	331670 21 h-index	243625 44 g-index
44 all docs	44 docs citations	44 times ranked	1681 citing authors

#	Article	IF	Citations
1	Physico-chemical characterization of aqueous solutions of superbase ionic liquids with cellulose dissolution capability. Fluid Phase Equilibria, 2022, 556, 113414.	2.5	15
2	Encapsulated Protic Ionic Liquids as Sustainable Materials for CO₂ Separation. Industrial & Engineering Chemistry Research, 2022, 61, 4046-4057.	3.7	4
3	Extensive characterization of choline chloride and its solidâ€“liquid equilibrium with water. Physical Chemistry Chemical Physics, 2022, 24, 14886-14897.	2.8	12
4	The role of ionic vs. non-ionic excipients in APIs-based eutectic systems. European Journal of Pharmaceutical Sciences, 2021, 156, 105583.	4.0	10
5	The impact of oligomeric anions on the speciation of protic ionic liquids. Fluid Phase Equilibria, 2021, 531, 112919.	2.5	7
6	Ionic liquids as entrainers for terpenes fractionation and other relevant separation problems. Journal of Molecular Liquids, 2021, 323, 114647.	4.9	14
7	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
8	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
9	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
10	Solid-liquid phase behavior of eutectic solvents containing sugar alcohols. Journal of Molecular Liquids, 2021, 337, 116392.	4.9	12
11	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
12	Non-Ideality in Thymol + Menthol Type V Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2021, 9, 2203-2211.	6.7	72
13	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
14	Understanding the Formation of Deep Eutectic Solvents: Betaine as a Universal Hydrogen Bond Acceptor. ChemSusChem, 2020, 13, 4916-4921.	6.8	68
15	Eutectic Mixtures Based on Polyalcohols as Sustainable Solvents: Screening and Characterization. ACS Sustainable Chemistry and Engineering, 2020, 8, 15317-15326.	6.7	29
16	Non-ionic hydrophobic eutectics â€“ versatile solvents for tailored metal separation and valorisation. Green Chemistry, 2020, 22, 2810-2820.	9.0	67
17	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
18	Selection and characterization of non-ideal ionic liquids mixtures to be used in CO2 capture. Fluid Phase Equilibria, 2020, 518, 112621.	2.5	23

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19	Insights into the Nature of Eutectic and Deep Eutectic Mixtures. Journal of Solution Chemistry, 2019, 48, 962-982.	1.2	603
20	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
21	Surface crystallization of ionic liquid crystals. Physical Chemistry Chemical Physics, 2019, 21, 17792-17800.	2.8	6
22	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
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	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
25	Greener Terpeneâ€“Terpene Eutectic Mixtures as Hydrophobic Solvents. ACS Sustainable Chemistry and Engineering, 2019, 7, 17414-17423.	6.7	85
26	Can cholinium chloride form eutectic solvents with organic chloride-based salts?. Fluid Phase Equilibria, 2019, 493, 120-126.	2.5	16
27	Solubility and solid phase studies of isomeric phenolic acids in pure solvents. Journal of Molecular Liquids, 2018, 272, 1048-1057.	4.9	19
28	Tunable Hydrophobic Eutectic Solvents Based on Terpenes and Monocarboxylic Acids. ACS Sustainable Chemistry and Engineering, 2018, 6, 8836-8846.	6.7	207
29	Sustainable hydrophobic terpene-based eutectic solvents for the extraction and separation of metals. Chemical Communications, 2018, 54, 8104-8107.	4.1	116
30	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
31	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
32	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
33	Indirect assessment of the fusion properties of choline chloride from solid-liquid equilibria data. Fluid Phase Equilibria, 2017, 448, 9-14.	2.5	73
34	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
35	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
36	Terpenes solubility in water and their environmental distribution. Journal of Molecular Liquids, 2017, 241, 996-1002.	4.9	59

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37	Vapor pressure predictions of multi-functional oxygen-containing organic compounds with COSMO-RS. Atmospheric Environment, 2016, 133, 135-144.	4.1	15
38	Aqueous solubilities of five N-(diethylaminothiocarbonyl)benzimido derivatives at TÂ=Â298.15ÂK. Chemosphere, 2016, 160, 45-53.	8.2	5
39	Densities, viscosities and derived thermophysical properties of water-saturated imidazolium-based ionic liquids. Fluid Phase Equilibria, 2016, 407, 188-196.	2.5	67
40	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
41	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
42	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
43	Partial Molar Volumes of Glycine and dl-Alanine in Aqueous Ammonium Sulfate Solutions at 278.15, 288.15, 298.15 and 308.15ÂK. Journal of Solution Chemistry, 2014, 43, 972-988.	1.2	14
44	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