Liliana P Silva

List of Publications by Year
in descending order

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29	1,468	394286 19	477173 29
papers	citations	h-index	g-index

29	29	29	1044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	2.2	272
2	Tunable Hydrophobic Eutectic Solvents Based on Terpenes and Monocarboxylic Acids. ACS Sustainable Chemistry and Engineering, 2018, 6, 8836-8846.	3.2	207
3	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.	3.2	98
4	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.	1.4	88
5	Greener Terpeneâ€“Terpene Eutectic Mixtures as Hydrophobic Solvents. ACS Sustainable Chemistry and Engineering, 2019, 7, 17414-17423.	3.2	85
6	Indirect assessment of the fusion properties of choline chloride from solid-liquid equilibria data. Fluid Phase Equilibria, 2017, 448, 9-14.	1.4	73
7	Non-Ideality in Thymol + Menthol Type V Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2021, 9, 2203-2211.	3.2	72
8	Understanding the Formation of Deep Eutectic Solvents: Betaine as a Universal Hydrogen Bond Acceptor. ChemSusChem, 2020, 13, 4916-4921.	3.6	68
9	Using COSMO-RS to design choline chloride pharmaceutical eutectic solvents. Fluid Phase Equilibria, 2019, 497, 71-78.	1.4	64
10	Terpenes solubility in water and their environmental distribution. Journal of Molecular Liquids, 2017, 241, 996-1002.	2.3	59
11	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.	1.8	57
12	The Role of Polyfunctionality in the Formation of [Ch]Cl-Carboxylic Acid-Based Deep Eutectic Solvents. Industrial & Engineering Chemistry Research, 2018, 57, 11195-11209.	1.8	46
13	A methodology to parameterize SAFT-type equations of state for solid precursors of deep eutectic solvents: the example of cholinium chloride. Physical Chemistry Chemical Physics, 2019, 21, 15046-15061.	1.3	32
14	Eutectic Mixtures Based on Polyalcohols as Sustainable Solvents: Screening and Characterization. ACS Sustainable Chemistry and Engineering, 2020, 8, 15317-15326.	3.2	29
15	Liquefying Compounds by Forming Deep Eutectic Solvents: A Case Study for Organic Acids and Alcohols. Journal of Physical Chemistry B, 2020, 124, 4174-4184.	1.2	25
16	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.	1.3	24
17	Hollow Fibers with Encapsulated Green Amino Acid-Based Ionic Liquids for Dehydration. ACS Sustainable Chemistry and Engineering, 2020, 8, 17763-17771.	3.2	23
18	The Role of Charge Transfer in the Formation of Type I Deep Eutectic Solvent-Analogous Ionic Liquid Mixtures. Molecules, 2019, 24, 3687.	1.7	21

#	Article	IF	Citations
19	Solubility and solid phase studies of isomeric phenolic acids in pure solvents. Journal of Molecular Liquids, 2018, 272, 1048-1057.	2.3	19
20	Encapsulated Aminoâ€Acidâ€Based Ionic Liquids for CO₂ Capture. European Journal of Inorganic Chemistry, 2020, 2020, 3158-3166.	1.0	19
21	Differences on the impact of water on the deep eutectic solvents betaine/urea and choline/urea. Journal of Chemical Physics, 2021, 155, 034501.	1.2	19
22	Can cholinium chloride form eutectic solvents with organic chloride-based salts?. Fluid Phase Equilibria, 2019, 493, 120-126.	1.4	16
23	Solid-liquid phase behavior of eutectic solvents containing sugar alcohols. Journal of Molecular Liquids, 2021, 337, 116392.	2.3	12
24	The role of ionic vs. non-ionic excipients in APIs-based eutectic systems. European Journal of Pharmaceutical Sciences, 2021, 156, 105583.	1.9	10
25	Development of a robust soft-SAFT model for protic ionic liquids using new high-pressure density data. Fluid Phase Equilibria, 2021, 539, 113036.	1.4	10
26	Liquefying Flavonoids with Terpenoids through Deep Eutectic Solvent Formation. Molecules, 2022, 27, 2649.	1.7	9
27	Comment on â€œStructural Study of a Eutectic Solvent Reveals Hydrophobic Segregation and Lack of Hydrogen Bonding between the Componentsâ€• ACS Sustainable Chemistry and Engineering, 2022, 10, 8669-8670.	3.2	5
28	Encapsulated Protic Ionic Liquids as Sustainable Materials for CO₂ Separation. Industrial & Engineering Chemistry Research, 2022, 61, 4046-4057.	1.8	4
29	The excess volumes of protic ionic liquids and its significance to their thermodynamic modelling. Fluid Phase Equilibria, 2022, 552, 113277.	1.4	2