

Andreia S L Gouveia

List of Publications by Year in descending order

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17
papers

590
citations

758635

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878
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Eutectic Solvents as Azeotrope Breakers: Liquid-Liquid Extraction and COSMO-RS Prediction. ACS Sustainable Chemistry and Engineering, 2016, 4, 5640-5650.	3.2	105
2	Polymeric ionic liquid-based membranes: Influence of polycation variation on gas transport and CO ₂ selectivity properties. Journal of Membrane Science, 2015, 486, 40-48.	4.1	92
3	Turning into poly(ionic liquid)s as a tool for polyimide modification: synthesis, characterization and CO ₂ separation properties. Polymer Chemistry, 2016, 7, 580-591.	1.9	81
4	Density, Viscosity, and Refractive Index of Ionic Liquid Mixtures Containing Cyano and Amino Acid-Based Anions. Journal of Chemical & Engineering Data, 2016, 61, 83-93.	1.0	62
5	Ionic liquids with anions based on fluorosulfonyl derivatives: from asymmetrical substitutions to a consistent force field model. Physical Chemistry Chemical Physics, 2017, 19, 29617-29624.	1.3	49
6	CO ₂ /H ₂ separation through poly(ionic liquid)-ionic liquid membranes: The effect of multicomponent gas mixtures, temperature and gas feed pressure. Separation and Purification Technology, 2021, 259, 118113.	3.9	38
7	Towards the potential of cyano and amino acid-based ionic liquid mixtures for facilitated CO ₂ transport membranes. Journal of Membrane Science, 2016, 510, 174-181.	4.1	28
8	Exploring the effect of fluorinated anions on the CO ₂ /N ₂ separation of supported ionic liquid membranes. Physical Chemistry Chemical Physics, 2017, 19, 28876-28884.	1.3	25
9	Study on Gas Permeation and CO ₂ Separation through Ionic Liquid-Based Membranes with Siloxane-Functionalized Cations. Industrial & Engineering Chemistry Research, 2017, 56, 2229-2239.	1.8	23
10	Towards Biohydrogen Separation Using Poly(Ionic Liquid)/Ionic Liquid Composite Membranes. Membranes, 2018, 8, 124.	1.4	22
11	Poly(ionic liquid)-Ionic Liquid Membranes with Fluorosulfonyl-Derived Anions: Characterization and Biohydrogen Separation. ACS Sustainable Chemistry and Engineering, 2020, 8, 7087-7096.	3.2	21
12	Neat ionic liquids versus ionic liquid mixtures: a combination of experimental data and molecular simulation. Physical Chemistry Chemical Physics, 2019, 21, 23305-23309.	1.3	12
13	Ionic liquid-based semi-interpenetrating polymer network (sIPN) membranes for CO ₂ separation. Separation and Purification Technology, 2021, 274, 118437.	3.9	11
14	Aqueous Biphasic Systems of Pyrrolidinium Ionic Liquids with Organic Acid-Derived Anions and K ₃ PO ₄ . Journal of Chemical & Engineering Data, 2017, 62, 1182-1188.	1.0	7
15	Tuning the miscibility of water in imide-based ionic liquids. Physical Chemistry Chemical Physics, 2020, 22, 25236-25242.	1.3	6
16	Ionic Liquid with Silyl Substituted Cation: Thermophysical and CO ₂ /N ₂ Permeation Properties. Israel Journal of Chemistry, 2019, 59, 852-865.	1.0	4
17	Processing of poly(ionic liquid)-ionic liquid membranes using femtosecond (fs) laser radiation: Effect on CO ₂ separation performance. Journal of Membrane Science, 2022, 642, 119903.	4.1	4