

Yu Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4747246/publications.pdf>

Version: 2024-02-01

16
papers

1,302
citations

687363

13
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1310
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of CO ₂ to value-added products mediated by ionic liquids. <i>Green Chemistry</i> , 2019, 21, 2544-2574.	9.0	199
2	Revisiting greenness of ionic liquids and deep eutectic solvents. <i>Green Chemical Engineering</i> , 2021, 2, 174-186.	6.3	193
3	Water sorption in ionic liquids: kinetics, mechanisms and hydrophilicity. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12252.	2.8	175
4	Carbon dioxide capture by a dual amino ionic liquid with amino-functionalized imidazolium cation and taurine anion. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 628-633.	4.6	153
5	Capture of Toxic Gases by Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5410-5430.	6.7	122
6	Water absorption by deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2601-2610.	2.8	109
7	Quantitative Research on the Vaporization and Decomposition of [EMIM][Tf ₂ N] by Thermogravimetric Analysis-Mass Spectrometry. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 7418-7427.	3.7	83
8	Visible-light-driven conversion of CO ₂ from air to CO using an ionic liquid and a conjugated polymer. <i>Green Chemistry</i> , 2017, 19, 5777-5781.	9.0	62
9	Water Sorption in Functionalized Ionic Liquids: Kinetics and Intermolecular Interactions. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 2073-2083.	3.7	56
10	Significant Improvement in Dissolving Lithium-Ion Battery Cathodes Using Novel Deep Eutectic Solvents at Low Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12940-12948.	6.7	45
11	Water Sorption in Amino Acid Ionic Liquids: Kinetic, Mechanism, and Correlations between Hygroscopicity and Solvatochromic Parameters. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 138-148.	6.7	41
12	Visible Light-Driven Photoreduction of CO ₂ to CH ₄ over TiO ₂ Using a Multiple-Site Ionic Liquid as an Absorbent and Photosensitizer. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9088-9094.	6.7	26
13	Vaporization enthalpy, long-term evaporation and evaporation mechanism of polyethylene glycol-based deep eutectic solvents. <i>New Journal of Chemistry</i> , 2020, 44, 9493-9501.	2.8	18
14	Tuning refractive index of deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2022, 348, 118031.	4.9	9
15	Room-temperature conversion of CO ₂ into quinazoline-2,4(1 <i>H</i>),3 <i>H</i>)-dione using deep eutectic solvents at atmospheric pressure with high efficiency. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1968-1977.	3.7	6
16	Factors affecting the refractive index of amino acid-based deep eutectic solvents. <i>Chemical Thermodynamics and Thermal Analysis</i> , 2021, 3-4, 100016.	1.5	5