

Yujiao Xie

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Screening of deep eutectic solvents (DESs) as green CO ₂ sorbents: from solubility to viscosity. <i>New Journal of Chemistry</i> , 2017, 41, 290-301.	1.4	186
2	Effect of Water on the Density, Viscosity, and CO ₂ Solubility in Choline Chloride/Urea. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 3344-3352.	1.0	170
3	Energy consumption analysis for CO ₂ separation using imidazolium-based ionic liquids. <i>Applied Energy</i> , 2014, 136, 325-335.	5.1	78
4	Efficient catalytic conversion of cellulose to levulinic acid in the biphasic system of molten salt hydrate and methyl isobutyl ketone. <i>Green Chemistry</i> , 2020, 22, 4240-4251.	4.6	44
5	Evaluation of imidazolium-based ionic liquids for biogas upgrading. <i>Applied Energy</i> , 2016, 175, 69-81.	5.1	36
6	Techno-economic evaluation of biogas upgrading using ionic liquids in comparison with industrially used technology in Scandinavian anaerobic digestion plants. <i>Applied Energy</i> , 2018, 227, 742-750.	5.1	33
7	Synergetic Effect of Brønsted/Lewis Acid Sites and Water on the Catalytic Dehydration of Glucose to 5-Hydroxymethylfurfural by Heteropolyacid-Based Ionic Hybrids. <i>ChemistryOpen</i> , 2018, 7, 824-832.	0.9	22
8	AlNb/SBA-15 Catalysts with Tunable Lewis and Bronsted Acidic Sites for Glucose Conversion to HMF. <i>ChemistrySelect</i> , 2018, 3, 3555-3560.	0.7	22
9	Al ₂ O ₃ -TiO ₂ Modified Sulfonated Carbon with Hierarchically Ordered Pores for Glucose Conversion to HMF. <i>ChemistrySelect</i> , 2019, 4, 5724-5731.	0.7	19
10	A Microtubular Direct Carbon Solid Oxide Fuel Cell Operated on the Biochar Derived from Pepper Straw. <i>Energy Technology</i> , 2020, 8, 1901077.	1.8	18
11	N-Doped Carbon Materials as Heterogeneous Catalysts for High Efficiency Isomerization Glucose to Fructose in Aqueous Media. <i>Catalysis Letters</i> , 2020, 150, 493-504.	1.4	17
12	Enhancing the Power Output of Direct Carbon Solid Oxide Fuel Cell Using Ba-Loaded Activated Carbon Fuel. <i>Energy Technology</i> , 2019, 7, 1800885.	1.8	16
13	Synergistic catalysis of species in molten salt hydrate for conversion of cellulose to 5-hydroxymethylfurfural. <i>Biomass and Bioenergy</i> , 2022, 158, 106363.	2.9	14
14	Isomerization Kinetics of Glucose to Fructose in Aqueous Solution with Magnesium-Aluminum Hydrotalcites. <i>ChemistrySelect</i> , 2020, 5, 270-279.	0.7	13
15	Energy Analysis of Physical Absorption and Chemical Absorption of CO ₂ in Ionic Liquids. <i>Energy Technology</i> , 2020, 8, 1900529.	1.8	7
16	A Thermodynamic Study of Aqueous 1-Allyl-3-Methylimidazolium Formate Ionic Liquid as a Tailored Sorbent for Carbon Dioxide Separation. <i>Energy Technology</i> , 2017, 5, 1464-1471.	1.8	5
17	Temperature-Responsive HCl-Releasing Catalysts for Cellulose Hydrolysis into Glucose. <i>Catalysis Letters</i> , 2020, 150, 3184-3195.	1.4	4