

Fang Lu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

1,764
citations

16
h-index

32
g-index

32
ext. papers

2,044
ext. citations

8
avg, IF

4.64
L-index

#	Paper	IF	Citations
31	Catalytic production of low-carbon footprint sustainable natural gas.. <i>Nature Communications</i> , 2022 , 13, 258	17.4	0
30	Sustainable synthesis of high-density fuel via catalytic cascade cycloaddition reaction. <i>Journal of Energy Chemistry</i> , 2022 , 69, 231-231	12	1
29	Catalytic Complete Cleavage of C _D and C _T Bonds in Biomass to Natural Gas over Ru(0). <i>ACS Catalysis</i> , 2022 , 12, 5549-5558	13.1	0
28	Catalytic Conversion of Sugar-Derived Polyhydroxy Acid to Trimellitate. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4510-4515	3.9	4
27	Effect of Tungsten Species on Selective Hydrogenolysis of Glycerol to 1,3-Propanediol. <i>ChemSusChem</i> , 2021 , 14, 569-581	8.3	16
26	Molybdenum-Catalyzed Deoxygenation Coupling of Lignin-Derived Alcohols for Functionalized Bibenzyl Chemicals. <i>Chemistry - A European Journal</i> , 2021 , 27, 1292-1296	4.8	3
25	Sustainable Synthesis of Functionalized Naphthalenedicarboxylic Acid from Lignocellulose-Derived Platform Chemicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 17096-17102	8.3	1
24	Sustainable synthesis of 1,2,3,4-cyclohexanetetracarboxylate from sugar-derived carboxylic acids. <i>Chemical Communications</i> , 2020 , 56, 7499-7502	5.8	4
23	Breaking the Limit of Lignin Monomer Production via Cleavage of Interunit Carbon-Carbon Linkages. <i>Chem</i> , 2019 , 5, 1521-1536	16.2	84
22	Single-Site Molybdenum Catalyst for the Synthesis of Fumarate. <i>ChemCatChem</i> , 2019 , 11, 4291-4296	5.2	10
21	Immobilized Ni Clusters in Mesoporous Aluminum Silica Nanospheres for Catalytic Hydrogenolysis of Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19034-19041	8.3	22
20	Production of Plant Phthalate and its Hydrogenated Derivative from Bio-Based Platform Chemicals. <i>ChemSusChem</i> , 2018 , 11, 1621-1627	8.3	14
19	A strategy of ketalization for the catalytic selective dehydration of biomass-based polyols over H-beta zeolite. <i>Green Chemistry</i> , 2018 , 20, 634-640	10	16
18	Selective synthesis of dimethoxyethane via directly catalytic etherification of crude ethylene glycol. <i>Green Chemistry</i> , 2017 , 19, 3327-3333	10	7
17	A strategy for generating high-quality cellulose and lignin simultaneously from woody biomass. <i>Green Chemistry</i> , 2017 , 19, 4849-4857	10	53
16	High Yield Production of Natural Phenolic Alcohols from Woody Biomass Using a Nickel-Based Catalyst. <i>ChemSusChem</i> , 2016 , 9, 3353-3360	8.3	72
15	Production of Diethyl Terephthalate from Biomass-Derived Muconic Acid. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 249-53	16.4	81

14	Production of Diethyl Terephthalate from Biomass-Derived Muconic Acid. <i>Angewandte Chemie</i> , 2016 , 128, 257-261	3.6	35
13	Catalytic etherification of hydroxyl compounds to methyl ethers with 1,2-dimethoxyethane. <i>RSC Advances</i> , 2015 , 5, 24139-24143	3.7	7
12	Preparing acid-resistant Ru-based catalysts by carbothermal reduction for hydrogenation of itaconic acid. <i>RSC Advances</i> , 2015 , 5, 97256-97263	3.7	10
11	Formation of uniform hollow nanocages with heteroatom-doped MCM-41 structures. <i>RSC Advances</i> , 2015 , 5, 5068-5071	3.7	3
10	Hydrogen bond distinction and activation upon catalytic etherification of hydroxyl compounds. <i>Chemical Communications</i> , 2015 , 51, 1077-80	5.8	27
9	Direct conversion of fructose-based carbohydrates to 5-ethoxymethylfurfural catalyzed by AlCl ₃ ·3H ₂ O/BF ₃ ·Et ₂ O in ethanol. <i>Journal of Energy Chemistry</i> , 2013 , 22, 93-97	12	32
8	Preparation of hydrophobic hollow silica nanospheres with porous shells and their application in pollutant removal. <i>RSC Advances</i> , 2013 , 3, 1158-1164	3.7	25
7	Immobilized Ru Clusters in Nanosized Mesoporous Zirconium Silica for the Aqueous Hydrogenation of Furan Derivatives at Room Temperature. <i>ChemCatChem</i> , 2013 , 5, 2822-2826	5.2	72
6	Advances in selective catalytic transformation of polyols to value-added chemicals. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 492-507	11.3	48
5	Conversion of furfural into cyclopentanone over Ni ₂ Cu bimetallic catalysts. <i>Green Chemistry</i> , 2013 , 15, 1932	10	253
4	Catalytic Conversion of Glycerol 2012 , 349-373		
3	Size effect on cell uptake in well-suspended, uniform mesoporous silica nanoparticles. <i>Small</i> , 2009 , 5, 1408-13	11	766
2	Fast Aqueous/Organic Hydrogenation of Arenes, Olefins and Carbonyl Compounds by Poly(N-Vinylpyrrolidone)-Ru as Amphiphilic Microreactor System. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 857-861	5.6	38
1	Selective Hydrogenation of Benzene to Cyclohexene Over Colloidal Ruthenium Catalyst Stabilized by Silica. <i>Catalysis Letters</i> , 2006 , 109, 175-180	2.8	59