

Junfeng Feng

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

549
citations

623734

14
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrotreatment of lipid model for diesel-like alkane using nitrogen-doped mesoporous carbon-supported molybdenum carbide. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 150-160.	20.2	65
2	Activated carbon supported molybdenum and tungsten carbides for hydrotreatment of fatty acids into green diesel. <i>Fuel</i> , 2018, 228, 103-111.	6.4	49
3	In situ catalytic hydrogenation of model compounds and biomass-derived phenolic compounds for bio-oil upgrading. <i>Renewable Energy</i> , 2017, 105, 140-148.	8.9	46
4	Liquid phase in situ hydrodeoxygenation of biomass-derived phenolic compounds to hydrocarbons over bifunctional catalysts. <i>Applied Catalysis A: General</i> , 2017, 542, 163-173.	4.3	41
5	Preparation of methyl levulinate from fractionation of direct liquefied bamboo biomass. <i>Applied Energy</i> , 2015, 154, 520-527.	10.1	40
6	Selective catalytic conversion of waste lignocellulosic biomass for renewable value-added chemicals via directional microwave-assisted liquefaction. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1035-1047.	4.9	34
7	Characterization of depolymerized lignin and renewable phenolic compounds from liquefied waste biomass. <i>RSC Advances</i> , 2016, 6, 95698-95707.	3.6	31
8	Directional liquefaction of biomass for phenolic compounds and in situ hydrodeoxygenation upgrading of phenolics using bifunctional catalysts. <i>Energy</i> , 2017, 135, 1-13.	8.8	27
9	Synchronous conversion of lignocellulosic polysaccharides to levulinic acid with synergic bifunctional catalysts in a biphasic cosolvent system. <i>Industrial Crops and Products</i> , 2020, 145, 112084.	5.2	26
10	Maximizing utilization of poplar wood by microwave-assisted pretreatment with methanol/dioxane binary solvent. <i>Bioresource Technology</i> , 2020, 300, 122657.	9.6	24
11	Directional depolymerization of lignin into high added-value chemical with synergistic effect of binary solvents. <i>Bioresource Technology</i> , 2021, 321, 124440.	9.6	23
12	Directional synergistic conversion of lignocellulosic biomass with matching-solvents for added-value chemicals. <i>Green Chemistry</i> , 2019, 21, 4951-4957.	9.0	22
13	Highly efficient and selective fractionation strategy for lignocellulosic biomass with recyclable dioxane/ethylene glycol binary solvent. <i>Industrial Crops and Products</i> , 2020, 144, 112038.	5.2	19
14	One-step method to produce methyl- β -glucoside from lignocellulosic biomass. <i>RSC Advances</i> , 2015, 5, 38783-38791.	3.6	17
15	Renewable platform chemicals from directional microwave-assisted liquefaction coupling stepwise extraction of waste biomass. <i>Bioresource Technology</i> , 2017, 244, 496-508.	9.6	12
16	Organosolv fractionation of a lignocellulosic biomass feedstock using a pilot scale microwave-heating reactor. <i>Industrial Crops and Products</i> , 2022, 180, 114700.	5.2	12
17	Collaborative Conversion of Biomass Carbohydrates into Valuable Chemicals: Catalytic Strategy and Mechanism Research. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13760-13769.	5.2	11
18	Efficient Ni-Cu/AC Bimetal Catalyst for Hydrogenolysis of Lignin to Produce High-Value-Added Chemicals. <i>ChemistrySelect</i> , 2020, 5, 10090-10097.	1.5	11

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19	Directional and integrated conversion of whole components in biomass for levulinates and phenolics with biphasic system. <i>Bioresource Technology</i> , 2020, 315, 123776.	9.6	10
20	Highly efficient isomerization of glucose to fructose over a novel aluminum doped graphitic carbon nitride bifunctional catalyst. <i>Journal of Cleaner Production</i> , 2022, 346, 131144.	9.3	10
21	Efficient Utilization and Conversion of Whole Components in Waste Biomass with One-Pot-Oriented Liquefaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18142-18152.	6.7	8
22	Acid-Catalyzed Conversion of Cellulose Into Levulinic Acid With Biphasic Solvent System. <i>Frontiers in Plant Science</i> , 2021, 12, 630807.	3.6	7
23	In Situ Hydrodeoxygenation of Lignin-Derived Phenols With Synergistic Effect Between the Bimetal and Nb ₂ O ₅ Support. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	4