

Chenxi Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7356761/publications.pdf>

Version: 2024-02-01

23
papers

875
citations

471477

17
h-index

677123

22
g-index

23
all docs

23
docs citations

23
times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar-advanced thermocatalytic salvaging of the waste disposable mask with the production of hydrogen and mono-aromatic hydrocarbons. <i>Journal of Hazardous Materials</i> , 2022, 426, 128080.	12.4	25
2	Biochar: From by-products of agro-industrial lignocellulosic waste to tailored carbon-based catalysts for biomass thermochemical conversions. <i>Chemical Engineering Journal</i> , 2022, 441, 135972.	12.7	69
3	Improvement of the carbon yield from biomass carbonization through sulfuric acid pre-dehydration at room temperature. <i>Bioresource Technology</i> , 2022, 355, 127251.	9.6	17
4	Integrated harvest of phenolic monomers and hydrogen through catalytic pyrolysis of biomass over nanocellulose derived biochar catalyst. <i>Bioresource Technology</i> , 2021, 320, 124352.	9.6	41
5	One-step synthesis of biomass-based sulfonated carbon catalyst by direct carbonization-sulfonation for organosolv delignification. <i>Bioresource Technology</i> , 2021, 319, 124194.	9.6	27
6	High yield production of nanocrystalline cellulose by microwave-assisted dilute-acid pretreatment combined with enzymatic hydrolysis. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 160, 108292.	3.6	14
7	Enhanced production of renewable aromatic hydrocarbons for jet-fuel from softwood biomass and plastic waste using hierarchical ZSM-5 modified with lignin-assisted re-assembly. <i>Energy Conversion and Management</i> , 2021, 236, 114020.	9.2	42
8	Catalytic upcycling of waste plastics over nanocellulose derived biochar catalyst for the coupling harvest of hydrogen and liquid fuels. <i>Science of the Total Environment</i> , 2021, 779, 146463.	8.0	22
9	Biochar-driven simplification of the compositions of cellulose-pyrolysis-derived biocrude oil coupled with the promotion of hydrogen generation. <i>Bioresource Technology</i> , 2021, 334, 125251.	9.6	17
10	Lignin-Mediated Preparation of Hierarchical ZSM-5 Catalysts and Their Effects in the Catalytic Co-pyrolysis of Softwood Biomass and Low-Density Polyethylene Mixtures. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12602-12613.	6.7	18
11	Synthesis and characterization of sulfonated activated carbon as a catalyst for bio-jet fuel production from biomass and waste plastics. <i>Bioresource Technology</i> , 2020, 297, 122411.	9.6	75
12	From Douglas fir to renewable H ₂ -enriched syngas via ex situ catalytic pyrolysis over metal nanoparticles@nanocellulose derived carbon catalysts. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1084-1087.	4.9	4
13	<i>Development of meso-microstructure in MFI zeolites via nanocrystalline cellulose templating for conversion of lignocellulosic biomass to aromatic hydrocarbons</i>, , 2020, , .		0
14	A novel production of phase-divided jet-fuel-range hydrocarbons and phenol-enriched chemicals from catalytic co-pyrolysis of lignocellulosic biomass with low-density polyethylene over carbon catalysts. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3687-3700.	4.9	20
15	Synthesis of graphene-like carbon from biomass pyrolysis and its applications. <i>Chemical Engineering Journal</i> , 2020, 399, 125808.	12.7	128
16	Application of highly stable biochar catalysts for efficient pyrolysis of plastics: a readily accessible potential solution to a global waste crisis. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4614-4624.	4.9	48
17	Enhancing jet fuel range hydrocarbons production from catalytic co-pyrolysis of Douglas fir and low-density polyethylene over bifunctional activated carbon catalysts. <i>Energy Conversion and Management</i> , 2020, 211, 112757.	9.2	47
18	Jet fuel and hydrogen produced from waste plastics catalytic pyrolysis with activated carbon and MgO. <i>Science of the Total Environment</i> , 2020, 727, 138411.	8.0	80

#	ARTICLE	IF	CITATIONS
19	Phenols production from Douglas fir catalytic pyrolysis with MgO and biomass-derived activated carbon catalysts. <i>Energy</i> , 2020, 199, 117459.	8.8	35
20	Microwave-assisted synthesis of bifunctional magnetic solid acid for hydrolyzing cellulose to prepare nanocellulose. <i>Science of the Total Environment</i> , 2020, 731, 138751.	8.0	12
21	Upgrading of pyrolytic lignin into hexamethylbenzene with high purity: demonstration of the "all-to-one" biochemical production strategy in thermo-chemical conversion. <i>Green Chemistry</i> , 2019, 21, 1000-1005.	9.0	17
22	Co-processing of crude and hydrotreated pyrolysis liquids and VGO in a pilot scale FCC riser setup. <i>Fuel Processing Technology</i> , 2018, 181, 157-165.	7.2	50
23	Coprocessing of Catalytic-Pyrolysis-Derived Bio-Oil with VGO in a Pilot-Scale FCC Riser. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3525-3534.	3.7	67