

Yan Sun

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

348
citations

840776

11
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	BTX from anisole by hydrodeoxygenation and transalkylation at ambient pressure with zeolite catalysts. <i>Fuel</i> , 2018, 221, 440-446.	6.4	59
2	The mechanism of wet/dry torrefaction pretreatment on the pyrolysis performance of tobacco stalk. <i>Bioresource Technology</i> , 2019, 286, 121390.	9.6	31
3	High-Quality Fuel from the Upgrading of Heavy Bio-oil by the Combination of Ultrasonic Treatment and Mutual Solvent. <i>Energy & Fuels</i> , 2018, 32, 3477-3487.	5.1	26
4	Enhancing Hydrodeoxygenation of Bio-oil via Bimetallic Ni-V Catalysts Modified by Cross-Surface Migrated-Carbon from Biochar. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21482-21498.	8.0	26
5	High yield self-nitrogen-oxygen doped hydrochar derived from microalgae carbonization in bio-oil: Properties and potential applications. <i>Bioresource Technology</i> , 2020, 314, 123735.	9.6	25
6	Benzene, toluene and xylene (BTX) from in-situ gas phase hydrodeoxygenation of guaiacol with liquid hydrogen donor over bifunctional non-noble-metal zeolite catalysts. <i>Renewable Energy</i> , 2020, 152, 1391-1402.	8.9	24
7	Hydrogen from Rice Husk Pyrolysis Volatiles via Non-Noble Ni-Fe Catalysts Supported on Five Differently Treated Rice Husk Pyrolysis Carbon Supports. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8325-8339.	6.7	21
8	The complete utilization of rice husk for production of synthesis gas. <i>RSC Advances</i> , 2017, 7, 33532-33543.	3.6	18
9	Supplied Oxygen Properties of NiO/NiAl ₂ O ₄ in Chemical Looping Re-Forming of Biomass Pyrolysis Gas: The Influence of Synthesis Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14660-14668.	6.7	18
10	Influence of Ultrasonic/Torrefaction Assisted Deep Eutectic Solvents on the Upgrading of Bio-Oil from Corn Stalk. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8562-8576.	6.7	16
11	Hydrogen from pyrolytic acid via modified bimetal Al-SBA-15 catalysts. <i>Applied Catalysis A: General</i> , 2017, 547, 75-85.	4.3	14
12	Influence of Synthesized Method on the Cycle Stability of NiO/NiAl ₂ O ₄ during Chemical Looping Combustion of Biomass Pyrolysis Gas. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13163-13173.	3.7	11
13	The influence of torrefaction on pyrolysed biomass: The relationship of bio-oil composition with the torrefaction severity. <i>Bioresource Technology</i> , 2020, 314, 123780.	9.6	11
14	Influence of Mixed Supports on the Steam Catalytic Reforming of Wood Vinegar. <i>Energy & Fuels</i> , 2017, 31, 1678-1688.	5.1	9
15	Pretreatment Influence of an Imitative Deep Eutectic Solvent Composed of Biomass Light Oil and Choline Chloride on Boosting Selective Saccharification during Corn Stalk Pyrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12813-12824.	6.7	8
16	N,N-Dimethylformamide solvent assisted hydrothermal pretreatment of <i>Chlorella</i> for coproduction of sugar, nitrogenous compounds and carbon dots. <i>Bioresource Technology</i> , 2022, 344, 126143.	9.6	7
17	Boosting levoglucosan and furfural production from corn stalks pyrolysis via electro-assisted seawater pretreatment. <i>Bioresource Technology</i> , 2022, 346, 126478.	9.6	7
18	Chemical Looping Hydrogen Generation over Ceria/Zirconia-Enhanced NiO-NiFe ₂ O ₄ Oxygen Carrier. <i>Energy & Fuels</i> , 2019, 33, 9149-9160.	5.1	6

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19	Synergistic Effects on the Co-pyrolysis of Agricultural Wastes and Sewage Sludge at Various Ratios. ACS Omega, 2022, 7, 1264-1272.	3.5	6
20	The steam reforming of guaiacol for hydrogen via Ni/Al ₂ O ₃ : The influence of dispersion. International Journal of Energy Research, 2020, 44, 2754-2767.	4.5	3
21	Alkene and benzene derivate obtained from catalytic reforming of acetone-butanol-ethanol (ABE) from carbohydrates fermentation broth. Renewable Energy, 2019, 135, 1213-1223.	8.9	1
22	Biomass Derived low concentration CO ₂ mixed Gas Combined Steam to Reform Methane through Ni based volcanic rock catalyst. International Journal of Hydrogen Energy, 2022, 47, 23139-23150.	7.1	1