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Recent advances in one-stage conversion of lipid-based biomass-derived oils into fuel components - aromatics and isomerized alkanes

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#	Paper	IF	Citations
28	Green Diesel Production over Nickel-Alumina Nanostructured Catalysts Promoted by Copper. <i>Energies</i> , 2020 , 13, 3707	3.1	12
27	Advances in solid catalysts for selective hydrogenolysis of glycerol to 1,3-propanediol. <i>Catalysis Reviews - Science and Engineering</i> , 2020 , 1-65	12.6	5
26	Effect of Water and Glycerol in Deoxygenation of Coconut Oil over Bimetallic NiCo/SAPO-11 Nanocatalyst under N Atmosphere. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
25	Jatropha curcas for jet biofuel production: Current status and future prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 135, 110396	16.2	21
24	Catalytic co-pyrolysis of polycarbonate and polyethylene/polypropylene mixtures: Promotion of oil deoxygenation and aromatic hydrocarbon formation. <i>Fuel</i> , 2021 , 285, 119143	7.1	7
23	Highlighting the Greener Shift in Transportation Energy and Fuels Based on Novel Catalytic Materials. <i>Energy & Fuels</i> , 2021 , 35, 25-44	4.1	4
22	Effects of Zn Addition into ZSM-5 Zeolite on Dehydrocyclization-Cracking of Soybean Oil Using Hierarchical Zeolite-AlO Composite-Supported Pt/NiMo Sulfided Catalysts. <i>ACS Omega</i> , 2021 , 6, 5509-5517	3.9	3
21	Deoxygenations of palm oil-derived methyl esters over mono- and bimetallic NiCo catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105128	6.8	7
20	Production of Gasolines and Monocyclic Aromatic Hydrocarbons: From Fossil Raw Materials to Green Processes. <i>Energies</i> , 2021 , 14, 4061	3.1	6
19	Biodiesel Upgrading to Renewable Diesel over Nickel Supported on Natural Mordenite Catalysts. <i>Industrial & Engineering Chemistry Research</i> ,	3.9	1
18	Renewable aromatic hydrocarbons from flash catalytic pyrolysis of Monoraphidium sp. lipid extract. <i>Bioresource Technology Reports</i> , 2021 , 15, 100799	4.1	0
17	Dehydrocyclization-cracking of soybean oil using Zeolite-Al ₂ O ₃ hierarchical composite-supported Pt, Pd, CoMo, and NiMo sulfide catalysts. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	
16	Unraveling enhanced activity and coke resistance of Pt-based catalyst in bio-aviation fuel refining. <i>Applied Energy</i> , 2021 , 301, 117469	10.7	5
15	Thermochemical behaviors, kinetics and bio-oils investigation during co-pyrolysis of biomass components and polyethylene based on simplex-lattice mixture design. <i>Energy</i> , 2022 , 239, 122234	7.9	3
14	Recent advancements in catalytic conversion pathways for synthetic jet fuel produced from bioresources. <i>Energy Conversion and Management</i> , 2021 , 251, 114974	10.6	5
13	Green Chemistry, Biocatalysis and the Chemical Industry of the Future.. <i>ChemSusChem</i> , 2022 ,	8.3	5
12	Hydrogen production via steam reforming of glycerol over Ce-La-Cu-O ternary oxide catalyst: an experimental and DFT study. <i>Applied Surface Science</i> , 2022 , 586, 152798	6.7	2

11	Current progress in lipid-based biofuels: Feedstocks and production technologies.. <i>Bioresource Technology</i> , 2022 , 351, 127020	11	1
10	One-pot selective production of deoxygenated monomeric, dimeric, and trimeric hydrocarbons from xylose-derived 2-methylfuran using multifunctional tungstate-zirconia-supported Ru, Pd, and Ni catalysts. <i>Chemical Engineering Journal</i> , 2022 , 441, 135581	14.7	0
9	The Contribution of the Spatial Restriction for Improvement of Hydrogenation and Water-tolerant for Cu/SiO ₂ Catalysts by Varied Pores of Support. <i>ChemistrySelect</i> , 2021 , 6, 13479-13487	1.8	0
8	Hydrodeoxygenation of m-cresol over Pd/Al-SBA-15 catalysts: Effect of Al content on the deoxygenation reaction pathways. <i>Applied Catalysis A: General</i> , 2022 , 641, 118686	5.1	0
7	Catalytic Cracking of Fatty Acid Methyl Esters for the Production of Green Aromatics Using Zn-Modified HZSM-5 Catalysts. <i>Energy & Fuels</i> ,	4.1	0
6	Upgrading biomass-derived pyrolysis bio-oil to bio-jet fuel through catalytic cracking and hydrodeoxygenation: A review of recent progress. <i>Energy Conversion and Management</i> , 2022 , 268, 115956	10.6	1
5	One-step synthesis of highly active and stable Ni-ZrO ₂ catalysts for the conversion of methyl laurate to alkanes. <i>Journal of Catalysis</i> , 2022 , 413, 297-310	7.3	0
4	Influence of the support on activity and stability of Ni and Ni-Mo catalysts in the hydroprocessing of fatty acids into motor fuels components. <i>Applied Catalysis A: General</i> , 2022 , 118801	5.1	
3	Direct Production of Jet Fuel by Catalytic Hydrocracking of Glycerol Trioleate over a Ni/Mo Catalyst Supported on Nb ₂ O ₅ /ZrO ₂ .		
2	The conversion of biomass to fuels via cutting-edge technologies: Explorations from natural utilization systems. 2023 , 331, 125668		0
1	Hydrodeoxygenation/Isoomerization of Methyl Palmitate over SAPO-11-Supported Ni-Phosphide Catalysts. 2022 , 12, 1486		0