

Mariam Ameen

List of Publications by Year in descending order

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41
papers

1,185
citations

394286

19
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395590

33
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42
all docs

42
docs citations

42
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic hydrodeoxygenation of triglycerides: An approach to clean diesel fuel production. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1072-1088.	8.2	138
2	A review on the waste biomass derived catalysts for biodiesel production. <i>Environmental Technology and Innovation</i> , 2021, 21, 101200.	3.0	98
3	A Comprehensive Review on Oil Extraction and Biodiesel Production Technologies. <i>Sustainability</i> , 2021, 13, 788.	1.6	85
4	Removal of micropollutants from municipal wastewater using different types of activated carbons. <i>Journal of Environmental Management</i> , 2021, 278, 111302.	3.8	80
5	Catalytic hydrodeoxygenation of rubber seed oil over sonochemically synthesized Ni-Mo/ γ -Al ₂ O ₃ catalyst for green diesel production. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 90-102.	3.8	74
6	Effect of acid catalysts on hydrothermal carbonization of Malaysian oil palm residues (leaves, fronds). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	2.9	69
7	Production of Fuel Additive Solketal via Catalytic Conversion of Biodiesel-Derived Glycerol. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20961-20978.	1.8	65
8	The effect of metal loading over Ni/ γ -Al ₂ O ₃ and Mo/ γ -Al ₂ O ₃ catalysts on reaction routes of hydrodeoxygenation of rubber seed oil for green diesel production. <i>Catalysis Today</i> , 2020, 355, 51-64.	2.2	50
9	Recent Advances and Development of Various Oxygen Carriers for the Chemical Looping Combustion Process: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8621-8641.	1.8	44
10	Photoreduction of Carbon Dioxide to Methanol over Copper Based Zeolitic Imidazolate Framework-8: A New Generation Photocatalyst. <i>Catalysts</i> , 2018, 8, 581.	1.6	41
11	Development of lignin based heterogeneous solid acid catalyst derived from sugarcane bagasse for microwave assisted-transesterification of waste cooking oil. <i>Biomass and Bioenergy</i> , 2021, 146, 105978.	2.9	33
12	Evaluation and detoxification of aflatoxins in ground and tree nuts using food grade organic acids. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 29, 101749.	1.5	32
13	Solvent extraction and performance analysis of residual palm oil for biodiesel production: Experimental and simulation study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105519.	3.3	28
14	Catalytic reforming of oxygenated hydrocarbons for the hydrogen production: an outlook. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8441-8464.	2.9	27
15	Biogasoline production from linoleic acid via catalytic cracking over nickel and copper-doped ZSM-5 catalysts. <i>Environmental Research</i> , 2020, 186, 109616.	3.7	24
16	Hydroprocessing of Crude Jatropha Oil Using Hierarchical Structured TiO ₂ Nanocatalysts. <i>Procedia Engineering</i> , 2016, 148, 275-281.	1.2	23
17	Waste sugarcane bagasse-derived nanocatalyst for microwave-assisted transesterification: Thermal, kinetic and optimization study. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 122-141.	1.9	23
18	Liquid value-added chemicals production from aqueous phase reforming of sorbitol and glycerol over sonosynthesized Ni-based catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105766.	3.3	22

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19	Physicochemical Properties of Ni-Mo/ γ -Al ₂ O ₃ Catalysts Synthesized via Sonochemical Method. <i>Procedia Engineering</i> , 2016, 148, 64-71.	1.2	21
20	In-situ hydrogenolysis of glycerol using hydrogen produced via aqueous phase reforming of glycerol over sonochemically synthesized nickel-based nano-catalyst. <i>Molecular Catalysis</i> , 2021, 514, 111860.	1.0	20
21	Parametric Studies on Hydrodeoxygenation of Rubber Seed Oil for Diesel Range Hydrocarbon Production. <i>Energy & Fuels</i> , 2020, 34, 4603-4617.	2.5	17
22	In-situ hydrogen generation from 1,2,3,4-tetrahydronaphthalene for catalytic conversion of oleic acid to diesel fuel hydrocarbons: Parametric studies using Response Surface Methodology approach. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20678-20689.	3.8	16
23	Tailor made Functional Zeolite as Sustainable Potential Candidates for Catalytic Cracking of Heavy Hydrocarbons. <i>Catalysis Letters</i> , 2022, 152, 732-744.	1.4	14
24	Effect of Calcium Doping Using Aqueous Phase Reforming of Glycerol over Sonochemically Synthesized Nickel-Based Supported ZrO ₂ Catalyst. <i>Catalysts</i> , 2021, 11, 977.	1.6	14
25	H-Y zeolite as hydrodeoxygenation catalyst for diesel range hydrocarbon production from rubber seed oil. <i>Materials Today: Proceedings</i> , 2019, 16, 1742-1749.	0.9	13
26	Process optimization of green diesel selectivity and understanding of reaction intermediates. <i>Renewable Energy</i> , 2020, 149, 1092-1106.	4.3	13
27	Activation of Nano Kaolin Clay for Bio-Glycerol Conversion to a Valuable Fuel Additive. <i>Sustainability</i> , 2021, 13, 2631.	1.6	12
28	Production of gasoline range hydrocarbons from catalytic cracking of linoleic acid over various acidic zeolite catalysts. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34039-34046.	2.7	11
29	Thermodynamic Equilibrium Analysis of Triolein Hydrodeoxygenation for Green Diesel Production. <i>Procedia Engineering</i> , 2016, 148, 1369-1376.	1.2	10
30	Effects of ultrasound irradiations time over Ni-Mo/ γ -Al ₂ O ₃ catalyst synthesis for 1,3-Propanediol selectively via aqueous phase reforming of glycerol. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100096.	2.9	10
31	Catalytic Evaluation of Nanoflower Structured Manganese Oxide Electrocatalyst for Oxygen Reduction in Alkaline Media. <i>Catalysts</i> , 2020, 10, 822.	1.6	9
32	Comparative Study on Ni/Al ₂ O ₃ Prepared via Ultrasonic Irradiation and Impregnation Approaches as an Oxygen Carrier in Chemical Looping Combustion. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13542-13552.	1.8	9
33	Enhancing biogas production in anaerobic co-digestion of fresh chicken manure with corn stover at laboratory scale. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
34	Comprehensive Review on Biodiesel Production from Palm Oil Mill Effluent. <i>ChemBioEng Reviews</i> , 2021, 8, 439-462.	2.6	7
35	Upgrading biocrudes derived from agricultural biomass into advanced biofuels: Perspective from Malaysia. <i>Fuel</i> , 2022, 323, 124300.	3.4	7
36	Five-lump kinetic approach on biofuel production from refined rubber seed oil over Cu/ZSM-5 catalyst via catalytic cracking reaction. <i>Renewable Energy</i> , 2021, 171, 1445-1453.	4.3	6

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37	Effects of Ultrasound Irradiation on Synthesis of Solid Acid Catalysts. Key Engineering Materials, 0, 701, 67-72.	0.4	3
38	Emerging Technologies for Biofuels Production. , 2019, , 45-76.		3
39	Thermodynamic Analysis of Aqueous Phase Reforming of Sorbitol. Journal of Computational and Theoretical Nanoscience, 2020, 17, 1004-1008.	0.4	2
40	Solvothermal Synthesis of Anatase TiO ₂ Nanosheets with Exposed {001} Facets. Sains Malaysiana, 2017, 46, 2515-2521.	0.3	2
41	Recent Technology Developments in Biogas Production from Waste Materials in Malaysia. ChemBioEng Reviews, 2021, 8, 564-592.	2.6	1