

Mahashanon Arumugam

List of Publications by Year in descending order

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13
papers

378
citations

1040056

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13
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic remediation of organic waste over Keggin-based polyoxometalate materials: A review. <i>Chemosphere</i> , 2021, 263, 128244.	8.2	87
2	Effective catalytic deoxygenation of palm fatty acid distillate for green diesel production under hydrogen-free atmosphere over bimetallic catalyst CoMo supported on activated carbon. <i>Fuel Processing Technology</i> , 2020, 208, 106519.	7.2	62
3	Waste clamshell-derived CaO supported Co and W catalysts for renewable fuels production via cracking-deoxygenation of triolein. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 110-120.	5.5	61
4	Solvent-free catalytic deoxygenation of palm fatty acid distillate over cobalt and manganese supported on activated carbon originating from waste coconut shell. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 144, 104690.	5.5	50
5	Octanoic acid hydrodeoxygenation over bifunctional Ni/Al-SBA-15 catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 6673-6680.	4.1	34
6	Mercerizing Extraction and Physicochemical Characterizations of Lignocellulosic Fiber from the Leaf Waste of <i>Mikania micrantha</i> Kunth ex H.B.K. <i>Journal of Natural Fibers</i> , 2020, 17, 726-737.	3.1	18
7	Hierarchical HZSM-5 for Catalytic Cracking of Oleic Acid to Biofuels. <i>Nanomaterials</i> , 2021, 11, 747.	4.1	16
8	Catalytic deoxygenation by H ₂ -free single-step conversion of free fatty acid feedstock over a Co-Ag carbon-based catalyst for green diesel production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 160, 105334.	5.5	16
9	Chemoenzymatic Epoxidation of Alkenes and Reusability Study of the Phenylacetic Acid. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	2.1	9
10	Green solvothermal synthesis and characterisation of surface organosilylated hierarchical nanozeolite ZSM-5. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111516.	4.4	8
11	Hydrodeoxygenation of fatty acid over La-modified HZSM5 for premium quality renewable diesel production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 161, 105406.	5.5	8
12	Optimization of Lipase-Mediated Synthesis of 1-Nonene Oxide Using Phenylacetic Acid and Hydrogen Peroxide. <i>International Journal of Molecular Sciences</i> , 2012, 13, 13140-13149.	4.1	7
13	Enzyme-facilitated synthesis of 1-nonene oxide and simple GC-MS SIM method for rapid screening of epoxidation processes. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 476-484.	2.0	2