

Amin Talebian-Kiakalaieh

List of Publications by Year in descending order

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22
papers

1,581
citations

471061

17
h-index

676716

22
g-index

23
all docs

23
docs citations

23
times ranked

2107
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipase@zeolitic imidazolate framework ZIF-90: A highly stable and recyclable biocatalyst for the synthesis of fruity banana flavour. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1301-1311.	3.6	41
2	Bio-removal of phenol by the immobilized laccase on the fabricated parent and hierarchical NaY and ZSM-5 zeolites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 120, 300-312.	2.7	31
3	Layered double hydroxide uniformly coated on mesoporous silica with tunable morphologies for catalytic transesterification of glycerol with dimethyl carbonate. <i>Applied Clay Science</i> , 2021, 210, 106135.	2.6	9
4	Biodegradation of bisphenol A by the immobilized laccase on some synthesized and modified forms of zeolite Y. <i>Journal of Hazardous Materials</i> , 2020, 386, 121950.	6.5	73
5	Synthesis of hierarchical Y and ZSM-5 zeolites using post-treatment approach to maximize catalytic cracking performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 88, 167-177.	2.9	28
6	Hierarchical faujasite zeolite-supported heteropoly acid catalyst for acetalization of crude-glycerol to fuel additives. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 79, 452-464.	2.9	40
7	Reduction of CO ₂ emission by INCAM model in Malaysia biomass power plants during the year 2016. <i>Waste Management</i> , 2018, 73, 256-264.	3.7	9
8	A Review on the Catalytic Acetalization of Bio-renewable Glycerol to Fuel Additives. <i>Frontiers in Chemistry</i> , 2018, 6, 573.	1.8	75
9	Oxidation of bio-renewable glycerol to value-added chemicals through catalytic and electro-chemical processes. <i>Applied Energy</i> , 2018, 230, 1347-1379.	5.1	55
10	Hydrogen production from catalytic steam reforming of glycerol over various supported nickel catalysts. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9087-9098.	3.8	68
11	Coke-tolerant SiW ₂₀ -Al/Zr ₁₀ catalyst for glycerol dehydration to acrolein. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1697-1710.	6.9	22
12	Thermo-kinetic and diffusion studies of glycerol dehydration to acrolein using HSiW ₁₂ -Al ₂ O ₃ supported ZrO ₂ solid acid catalyst. <i>Renewable Energy</i> , 2017, 114, 794-804.	4.3	15
13	Gas phase selective conversion of glycerol to acrolein over supported silicotungstic acid catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 300-312.	2.9	31
14	Theoretical and experimental evaluation of mass transfer limitation in gas phase dehydration of glycerol to acrolein over supported HSiW catalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 11-17.	2.7	10
15	Supported silicotungstic acid on zirconia catalyst for gas phase dehydration of glycerol to acrolein. <i>Catalysis Today</i> , 2015, 256, 315-324.	2.2	25
16	Single and Two-Step Homogeneous Catalyzed Transesterification of Waste Cooking Oil: Optimization by Response Surface Methodology. <i>International Journal of Green Energy</i> , 2015, 12, 888-899.	2.1	6
17	Kinetic Modeling, Thermodynamic, and Mass-Transfer Studies of Gas-Phase Glycerol Dehydration to Acrolein over Supported Silicotungstic Acid Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8113-8121.	1.8	21
18	Glycerol for renewable acrolein production by catalytic dehydration. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 40, 28-59.	8.2	129

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19	Immobilized lipase-catalyzed transesterification of <i>Jatropha curcas</i> oil: Optimization and modeling. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 444-451.	2.7	47
20	A review on novel processes of biodiesel production from waste cooking oil. <i>Applied Energy</i> , 2013, 104, 683-710.	5.1	576
21	Microwave assisted biodiesel production from <i>Jatropha curcas</i> L. seed by two-step in situ process: Optimization using response surface methodology. <i>Bioresource Technology</i> , 2013, 136, 565-573.	4.8	101
22	Transesterification of waste cooking oil by heteropoly acid (HPA) catalyst: Optimization and kinetic model. <i>Applied Energy</i> , 2013, 102, 283-292.	5.1	168