Amin Talebian-Kiakalaieh

List of Publications by Year
in descending order

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	A review on novel processes of biodiesel production from waste cooking oil. Applied Energy, 2013, 104, 683-710.	5.1	576
2	Transesterification of waste cooking oil by heteropoly acid (HPA) catalyst: Optimization and kinetic model. Applied Energy, 2013, 102, 283-292.	5.1	168
3	Glycerol for renewable acrolein production by catalytic dehydration. Renewable and Sustainable Energy Reviews, 2014, 40, 28-59.	8.2	129
4	Microwave assisted biodiesel production from Jatropha curcas L. seed by two-step in situ process: Optimization using response surface methodology. Bioresource Technology, 2013, 136, 565-573.	4.8	101
5	A Review on the Catalytic Acetalization of Bio-renewable Glycerol to Fuel Additives. Frontiers in Chemistry, 2018, 6, 573.	1.8	75
6	Biodegradation of bisphenol A by the immobilized laccase on some synthesized and modified forms of zeolite Y. Journal of Hazardous Materials, 2020, 386, 121950.	6.5	73
7	Hydrogen production from catalytic steam reforming of glycerol over various supported nickel catalysts. International Journal of Hydrogen Energy, 2017, 42, 9087-9098.	3.8	68
8	Oxidation of bio-renewable glycerol to value-added chemicals through catalytic and electro-chemical processes. Applied Energy, 2018, 230, 1347-1379.	5.1	55
9	Immobilized lipase-catalyzed transesterification of Jatropha curcas oil: Optimization and modeling. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 444-451.	2.7	47
10	Lipase@zeolitic imidazolate framework ZIF-90: A highly stable and recyclable biocatalyst for the synthesis of fruity banana flavour. International Journal of Biological Macromolecules, 2021, 166, 1301-1311.	3.6	41
11	Hierarchical faujasite zeolite-supported heteropoly acid catalyst for acetalization of crude-glycerol to fuel additives. Journal of Industrial and Engineering Chemistry, 2019, 79, 452-464.	2.9	40
12	Gas phase selective conversion of glycerol to acrolein over supported silicotungstic acid catalyst. Journal of Industrial and Engineering Chemistry, 2016, 34, 300-312.	2.9	31
13	Bio-removal of phenol by the immobilized laccase on the fabricated parent and hierarchical NaY and ZSM-5 zeolites. Journal of the Taiwan Institute of Chemical Engineers, 2021, 120, 300-312.	2.7	31
14	Synthesis of hierarchical Y and ZSM-5 zeolites using post-treatment approach to maximize catalytic cracking performance. Journal of Industrial and Engineering Chemistry, 2020, 88, 167-177.	2.9	28
15	Supported silicotungstic acid on zirconia catalyst for gas phase dehydration of glycerol to acrolein. Catalysis Today, 2015, 256, 315-324.	2.2	25
16	Coke-tolerant SiW 20 -Al/Zr 10 catalyst for glycerol dehydration to acrolein. Chinese Journal of Catalysis, 2017, 38, 1697-1710.	6.9	22
17	Kinetic Modeling, Thermodynamic, and Mass-Transfer Studies of Gas-Phase Glycerol Dehydration to Acrolein over Supported Silicotungstic Acid Catalyst. Industrial & Engineering Chemistry Research, 2015, 54, 8113-8121.	1.8	21
18	Thermo-kinetic and diffusion studies of glycerol dehydration to acrolein using HSiW-Î³-Al2O3 supported ZrO2 solid acid catalyst. Renewable Energy, 2017, 114, 794-804.	4.3	15

#	Article	IF	Citations
19	Theoretical and experimental evaluation of mass transfer limitation in gas phase dehydration of glycerol to acrolein over supported HSiW catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 11-17.	2.7	10
20	Reduction of CO 2 emission by INCAM model in Malaysia biomass power plants during the year 2016. Waste Management, 2018, 73, 256-264.	3.7	9
21	Layered double hydroxide uniformly coated on mesoporous silica with tunable morphorlogies for catalytic transesterification of glycerol with dimethyl carbonate. Applied Clay Science, 2021, 210, 106135.	2.6	9
22	Single and Two-Step Homogeneous Catalyzed Transesterification of Waste Cooking Oil: Optimization by Response Surface Methodology. International Journal of Green Energy, 2015, 12, 888-899.	2.1	6