Mohd Razali Shamsuddin

List of Publications by Year
in descending order

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32 papers	1,901 citations	331670 21 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	1785 citing authors

#	Article	IF	Citations
1	Waste ostrich- and chicken-eggshells as heterogeneous base catalyst for biodiesel production from used cooking oil: Catalyst characterization and biodiesel yield performance. Applied Energy, 2015, 160, 58-70.	10.1	290
2	Investigation of heterogeneous solid acid catalyst performance on low grade feedstocks for biodiesel production: A review. Energy Conversion and Management, 2017, 141, 171-182.	9.2	240
3	Modified waste egg shell derived bifunctional catalyst for biodiesel production from high FFA waste cooking oil. A review. Renewable and Sustainable Energy Reviews, 2018, 82, 3645-3655.	16.4	159
4	Esterification of palm fatty acid distillate using sulfonated carbon-based catalyst derived from palm kernel shell and bamboo. Energy Conversion and Management, 2019, 181, 562-570.	9.2	107
5	Synthesis of biodiesel from palm fatty acid distillate using sulfonated palm seed cake catalyst. Renewable Energy, 2017, 111, 611-619.	8.9	98
6	Effective biodiesel synthesis from waste cooking oil and biomass residue solid green catalyst. Chemical Engineering Journal, 2018, 347, 137-144.	12.7	94
7	Methyl ester production from palm fatty acid distillate using sulfonated glucose-derived acid catalyst. Renewable Energy, 2015, 81, 347-354.	8.9	91
8	Biodiesel production in the presence of sulfonated mesoporous ZnAl2O4 catalyst via esterification of palm fatty acid distillate (PFAD). Fuel, 2016, 178, 253-262.	6.4	80
9	Green diesel production from palm fatty acid distillate over SBA-15-supported nickel, cobalt, and nickel/cobalt catalysts. Biomass and Bioenergy, 2020, 134, 105476.	5.7	78
10	Biodiesel synthesis over millimetric Î³-Al2O3/KI catalyst. Energy, 2015, 89, 965-973.	8.8	69
11	Mesoporous NiO/Al-SBA-15 catalysts for solvent-free deoxygenation of palm fatty acid distillate. Microporous and Mesoporous Materials, 2019, 276, 13-22.	4.4	68
12	Meso- and macroporous sulfonated starch solid acid catalyst for esterification of palm fatty acid distillate. Arabian Journal of Chemistry, 2016, 9, 179-189.	4.9	63
13	Methyl ester production from palm fatty acid distillate (PFAD) using sulfonated cow dung-derived carbon-based solid acid catalyst. Energy Conversion and Management, 2019, 196, 1306-1315.	9.2	49
14	Esterification of palm fatty acid distillate (PFAD) to biodiesel using Bi-functional catalyst synthesized from waste angel wing shell (Cyrtopleura costata). Renewable Energy, 2019, 131, 187-196.	8.9	47
15	Production of green diesel from catalytic deoxygenation of chicken fat oil over a series binary metal oxide-supported MWCNTs. RSC Advances, 2020, 10, 626-642.	3.6	46
16	Production of biodiesel from palm fatty acid distillate using sulfonated-glucose solid acid catalyst: Characterization and optimization. Chinese Journal of Chemical Engineering, 2015, 23, 1857-1864.	3.5	45
17	Production of methyl esters from waste cooking oil using a heterogeneous biomass-based catalyst. Renewable Energy, 2017, 114, 638-643.	8.9	34
18	Sucrose-derived catalytic biodiesel synthesis from low cost palm fatty acid distillate. Chemical Engineering Research and Design, 2015, 95, 126-135.	5.6	32

#	Article	IF	Citations
19	Efficient reaction for biodiesel manufacturing using bi-functional oxide catalyst. Catalysis Communications, 2021, 149, 106201.	3.3	32
20	Production of methyl esters from waste cooking oil and chicken fat oil via simultaneous esterification and transesterification using acid catalyst. Energy Conversion and Management, 2020, 226, 113366.	9.2	31
21	Effective biodiesel synthesis from palm fatty acid distillate (PFAD) using carbon-based solid acid catalyst derived glycerol. Renewable Energy, 2019, 142, 658-667.	8.9	30
22	Technological Advancement for Efficiency Enhancement of Biodiesel and Residual Glycerol Refining: A Mini Review. Processes, 2021, 9, 1198.	2.8	21
23	Development of bimetallic nickel-based catalysts supported on activated carbon for green fuel production. RSC Advances, 2020, 10, 37218-37232.	3.6	20
24	Enhanced CO₂methanation at mild temperature on Ni/zeolite from kaolin: effect of metalâ€“support interface. RSC Advances, 2021, 11, 16376-16387.	3.6	18
25	The effect of structure directing agents on micro/mesopore structures of aluminosilicates from Indonesian kaolin as deoxygenation catalysts. Microporous and Mesoporous Materials, 2021, 315, 110917.	4.4	13
26	Lewis acid Ni/Al-MCM-41 catalysts for H₂-free deoxygenation of Reutealis trisperma oil to biofuels. RSC Advances, 2021, 11, 21885-21896.	3.6	13
27	Promoting dry reforming of methane via bifunctional NiO/dolomite catalysts for production of hydrogen-rich syngas. RSC Advances, 2021, 11, 6667-6681.	3.6	11
28	Insight into <scp> CO ₂ </scp> reforming of <scp> CH ₄ </scp> via <scp>NiO</scp> /dolomite catalysts for production of <scp> H ₂ </scp> rich syngas. International Journal of Energy Research, 2021, 45, 15463-15480.	4.5	7
29	Evaluation of NiO/TALC Catalytic performance in carbon dioxide reforming of methane. Journal of the Taiwan Institute of Chemical Engineers, 2021, 122, 106-117.	5.3	5
30	Catalytic ketonization of palmitic acid over a series of transition metal oxides supported on zirconia oxide-based catalysts. RSC Advances, 2021, 11, 31972-31982.	3.6	4
31	Chemoselective decarboxylation of ceiba oil to diesel-range alkanes over a red mud based catalyst under H₂-free conditions. RSC Advances, 2022, 12, 16903-16917.	3.6	4
32	General Concepts for Catalytic Synthesis of Biodiesel from Waste Cooking Oil. Green Energy and Technology, 2018, , 429-455.	0.6	2