

Yun Hin Taufiq Yap

List of Publications by Year in descending order

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305
papers

12,787
citations

22132

59
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39638

94
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306
all docs

306
docs citations

306
times ranked

9844
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly active Ni-promoted mesostructured silica nanoparticles for CO ₂ methanation. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 359-368.	10.8	404
2	The crucial roles of inflammatory mediators in inflammation: A review. <i>Veterinary World</i> , 2018, 11, 627-635.	0.7	384
3	Waste ostrich- and chicken-eggshells as heterogeneous base catalyst for biodiesel production from used cooking oil: Catalyst characterization and biodiesel yield performance. <i>Applied Energy</i> , 2015, 160, 58-70.	5.1	290
4	Investigation of heterogeneous solid acid catalyst performance on low grade feedstocks for biodiesel production: A review. <i>Energy Conversion and Management</i> , 2017, 141, 171-182.	4.4	240
5	Calcium-based mixed oxide catalysts for methanolysis of <i>Jatropha curcas</i> oil to biodiesel. <i>Biomass and Bioenergy</i> , 2011, 35, 827-834.	2.9	236
6	Efficient biodiesel production from <i>Jatropha curcas</i> using CaSO ₄ /Fe ₂ O ₃ -SiO ₂ core-shell magnetic nanoparticles. <i>Journal of Cleaner Production</i> , 2019, 208, 816-826.	4.6	222
7	The Effect of Sodium Dodecyl Sulfate (SDS) and Cetyltrimethylammonium Bromide (CTAB) on the Properties of ZnO Synthesized by Hydrothermal Method. <i>International Journal of Molecular Sciences</i> , 2012, 13, 13275-13293.	1.8	200
8	Hydrogen rich gas from oil palm biomass as a potential source of renewable energy in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1258-1270.	8.2	196
9	Process optimization design for <i>jatropha</i> -based biodiesel production using response surface methodology. <i>Fuel Processing Technology</i> , 2011, 92, 2420-2428.	3.7	191
10	Preparation and application of binary acid-base CaO-La ₂ O ₃ catalyst for biodiesel production. <i>Renewable Energy</i> , 2015, 74, 124-132.	4.3	160
11	Modified waste egg shell derived bifunctional catalyst for biodiesel production from high FFA waste cooking oil. A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3645-3655.	8.2	159
12	Improving the hydrogen production from water over MgO promoted Ni-Si/CNTs photocatalyst. <i>Journal of Cleaner Production</i> , 2019, 238, 117887.	4.6	158
13	Step towards the sustainable toxic dyes removal and recycling from aqueous solution- A comprehensive review. <i>Resources, Conservation and Recycling</i> , 2021, 175, 105849.	5.3	152
14	Assessment of clean H ₂ energy production from water using novel silicon photocatalyst. <i>Journal of Cleaner Production</i> , 2020, 244, 118805.	4.6	148
15	Studies on design of heterogeneous catalysts for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2013, 91, 131-144.	2.7	143
16	Synthesis of waste cooking oil-based biodiesel via effectual recyclable bi-functional Fe ₂ O ₃ MnOSO ₄ ·2H ₂ O/ZrO ₂ nanoparticle solid catalyst. <i>Fuel</i> , 2015, 142, 38-45.	3.4	139
17	Transesterification of <i>Jatropha curcas</i> crude oil to biodiesel on calcium lanthanum mixed oxide catalyst: Effect of stoichiometric composition. <i>Energy Conversion and Management</i> , 2014, 88, 1290-1296.	4.4	137
18	An Overview of Recent Research in the Conversion of Glycerol into Biofuels, Fuel Additives and other Bio-Based Chemicals. <i>Catalysts</i> , 2019, 9, 15.	1.6	127

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19	Transesterification of non-edible <i>Jatropha curcas</i> oil to biodiesel using binary Ca-Mg mixed oxide catalyst: Effect of stoichiometric composition. <i>Chemical Engineering Journal</i> , 2011, 178, 342-347.	6.6	124
20	Production of biodiesel from non-edible <i>Jatropha curcas</i> oil via transesterification using Bi ₂ O ₃ -La ₂ O ₃ catalyst. <i>Energy Conversion and Management</i> , 2014, 88, 1257-1262.	4.4	122
21	Algae derived biodiesel using nanocatalytic transesterification process. <i>Chemical Engineering Research and Design</i> , 2016, 111, 362-370.	2.7	120
22	Transesterification of <i>Jatropha</i> oil with methanol over Mg-Zn mixed metal oxide catalysts. <i>Energy</i> , 2013, 49, 12-18.	4.5	113
23	Hydrothermal synthesis of zinc oxide nanoparticles using rice as soft biotemplate. <i>Chemistry Central Journal</i> , 2013, 7, 136.	2.6	111
24	A review on catalytic hydrodeoxygenation of lignin to transportation fuels by using nickel-based catalysts. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 138, 110667.	8.2	109
25	Esterification of palm fatty acid distillate using sulfonated carbon-based catalyst derived from palm kernel shell and bamboo. <i>Energy Conversion and Management</i> , 2019, 181, 562-570.	4.4	107
26	Low-cost solid catalyst derived from waste <i>Cyrtopleura costata</i> (Angel Wing Shell) for biodiesel production using microalgae oil. <i>Energy Conversion and Management</i> , 2015, 101, 749-756.	4.4	105
27	Biodiesel production via transesterification of palm oil by using Ca-CeO ₂ mixed oxide catalysts. <i>Fuel</i> , 2015, 162, 288-293.	3.4	104
28	Synthesis of biodiesel from palm fatty acid distillate using sulfonated palm seed cake catalyst. <i>Renewable Energy</i> , 2017, 111, 611-619.	4.3	98
29	Production of green diesel via cleaner catalytic deoxygenation of <i>Jatropha curcas</i> oil. <i>Journal of Cleaner Production</i> , 2017, 167, 1048-1059.	4.6	98
30	Biodiesel from <i>Citrus reticulata</i> (mandarin orange) seed oil, a potential non-food feedstock. <i>Industrial Crops and Products</i> , 2013, 45, 355-359.	2.5	97
31	Advances in solid-catalytic and non-catalytic technologies for biodiesel production. <i>Energy Conversion and Management</i> , 2014, 88, 1200-1218.	4.4	95
32	Effective biodiesel synthesis from waste cooking oil and biomass residue solid green catalyst. <i>Chemical Engineering Journal</i> , 2018, 347, 137-144.	6.6	94
33	Production of biodiesel from palm oil using modified Malaysian natural dolomites. <i>Energy Conversion and Management</i> , 2014, 78, 738-744.	4.4	91
34	Methyl ester production from palm fatty acid distillate using sulfonated glucose-derived acid catalyst. <i>Renewable Energy</i> , 2015, 81, 347-354.	4.3	91
35	Preparation of Na ₂ O supported CNTs nanocatalyst for efficient biodiesel production from waste-oil. <i>Energy Conversion and Management</i> , 2020, 205, 112445.	4.4	86
36	Renewable energy deployment to combat energy crisis in Pakistan. <i>Energy, Sustainability and Society</i> , 2016, 6, .	1.7	85

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37	Characterization of bismuth oxide catalysts prepared from bismuth trinitrate pentahydrate: influence of bismuth concentration. <i>Catalysis Today</i> , 2004, 93-95, 701-709.	2.2	84
38	Synthesis and characterization of ZnO nanostructures using palm olein as biotemplate. <i>Chemistry Central Journal</i> , 2013, 7, 71.	2.6	84
39	Syngas production from glycerol-dry(CO ₂) reforming over La-promoted Ni/Al ₂ O ₃ catalyst. <i>Renewable Energy</i> , 2015, 74, 441-447.	4.3	83
40	Biodiesel production from crude <i>Jatropha Curcas</i> oil using calcium based mixed oxide catalysts. <i>Fuel</i> , 2014, 136, 244-252.	3.4	82
41	Deoxygenation of waste cooking to renewable diesel over walnut shell-derived nanorode activated carbon supported CaO-La ₂ O ₃ catalyst. <i>Energy Conversion and Management</i> , 2017, 151, 311-323.	4.4	82
42	Catalytic gasification of algal biomass for hydrogen-rich gas production: Parametric optimization via central composite design. <i>Energy Conversion and Management</i> , 2018, 158, 235-245.	4.4	81
43	Biodiesel production in the presence of sulfonated mesoporous ZnAl ₂ O ₄ catalyst via esterification of palm fatty acid distillate (PFAD). <i>Fuel</i> , 2016, 178, 253-262.	3.4	80
44	CeO ₂ -SiO ₂ supported nickel catalysts for dry reforming of methane toward syngas production. <i>Applied Catalysis A: General</i> , 2013, 468, 359-369.	2.2	79
45	Synthesis of clamshell derived Ca(OH) ₂ nano-particles via simple surfactant-hydration treatment. <i>Chemical Engineering Journal</i> , 2015, 262, 1043-1051.	6.6	78
46	Green diesel production from palm fatty acid distillate over SBA-15-supported nickel, cobalt, and nickel/cobalt catalysts. <i>Biomass and Bioenergy</i> , 2020, 134, 105476.	2.9	78
47	Ultrathin Assemblies of Porous Array for Enhanced H ₂ Evolution. <i>Scientific Reports</i> , 2020, 10, 2324.	1.6	75
48	Performance and exhaust emission characteristics of direct-injection diesel engine fueled with enriched biodiesel. <i>Energy Conversion and Management</i> , 2015, 106, 365-372.	4.4	74
49	Therapeutic uses of epicatechin in diabetes and cancer. <i>Veterinary World</i> , 2017, 10, 869-872.	0.7	74
50	Transesterification of <i>Nannochloropsis oculata</i> microalga's oil to biodiesel using calcium methoxide catalyst. <i>Energy</i> , 2014, 78, 63-71.	4.5	73
51	Transesterification activity and characterization of natural CaO derived from waste venus clam (<i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>) and Design, 2017, 105, 303-315.	2.7	72
52	Operating parameters and synergistic effects of combining ultrasound and ultraviolet irradiation in the degradation of 2,4,6-trichlorophenol. <i>Desalination</i> , 2011, 276, 303-309.	4.0	69
53	Biodiesel synthesis over millimetric γ -Al ₂ O ₃ /KI catalyst. <i>Energy</i> , 2015, 89, 965-973.	4.5	69
54	Mesoporous NiO/Al-SBA-15 catalysts for solvent-free deoxygenation of palm fatty acid distillate. <i>Microporous and Mesoporous Materials</i> , 2019, 276, 13-22.	2.2	68

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55	Synthesis and catalytic activity of hydration–dehydration treated clamshell derived CaO for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2015, 102, 368-377.	2.7	67
56	Biodiesel production from <i>Jatropha curcas</i> L. oil with Ca and La mixed oxide catalyst in near supercritical methanol conditions. <i>Journal of Supercritical Fluids</i> , 2015, 104, 243-250.	1.6	67
57	In Vitro Antioxidant and Antiproliferative Activities of Methanolic Plant Part Extracts of <i>Theobroma cacao</i> . <i>Molecules</i> , 2014, 19, 18317-18331.	1.7	66
58	Pyro-lytic de-oxygenation of waste cooking oil for green diesel production over Ag ₂ O ₃ -La ₂ O ₃ /AC nano-catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 137, 171-184.	2.6	65
59	Heterogeneous base catalysts for edible palm and non-edible <i>Jatropha</i> -based biodiesel production. <i>Chemistry Central Journal</i> , 2014, 8, 30.	2.6	63
60	A new route for the synthesis of La-Ca oxide supported on nano activated carbon via vacuum impregnation method for one pot esterification-transesterification reaction. <i>Chemical Engineering Journal</i> , 2016, 304, 61-71.	6.6	63
61	Meso- and macroporous sulfonated starch solid acid catalyst for esterification of palm fatty acid distillate. <i>Arabian Journal of Chemistry</i> , 2016, 9, 179-189.	2.3	63
62	A Review on Thermal Conversion of Plant Oil (Edible and Inedible) into Green Fuel Using Carbon-Based Nanocatalyst. <i>Catalysts</i> , 2019, 9, 350.	1.6	62
63	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.	3.7	62
64	Carbohydrate-derived Solid Acid Catalysts for Biodiesel Production from Low-Cost Feedstocks: A Review. <i>Catalysis Reviews - Science and Engineering</i> , 2014, 56, 187-219.	5.7	61
65	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.	2.6	61
66	Effective synthesis of biodiesel from <i>Jatropha curcas</i> oil using betaine assisted nanoparticle heterogeneous catalyst from eggshell of <i>Gallus domesticus</i> . <i>Renewable Energy</i> , 2017, 111, 892-905.	4.3	60
67	Efficient waste <i>Gallus domesticus</i> shell derived calcium-based catalyst for biodiesel production. <i>Fuel</i> , 2018, 211, 67-75.	3.4	60
68	Sulfonated functionalization of carbon derived corncob residue via hydrothermal synthesis route for esterification of palm fatty acid distillate. <i>Energy Conversion and Management</i> , 2020, 210, 112698.	4.4	60
69	Supercritical water gasification of empty fruit bunches from oil palm for hydrogen production. <i>Fuel</i> , 2015, 143, 563-569.	3.4	59
70	Introducing the novel composite photocatalysts to boost the performance of hydrogen (H ₂) production. <i>Journal of Cleaner Production</i> , 2021, 313, 127909.	4.6	57
71	Energy security in Bangladesh perspective–An assessment and implication. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 154-171.	8.2	56
72	Hydrothermal effect on synthesis, characterization and catalytic properties of calcium methoxide for biodiesel production from crude <i>Jatropha curcas</i> . <i>RSC Advances</i> , 2015, 5, 4266-4276.	1.7	56

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73	Methoxy-functionalized mesostructured stable carbon catalysts for effective biodiesel production from non-edible feedstock. <i>Chemical Engineering Journal</i> , 2018, 334, 1851-1868.	6.6	54
74	Synthesis of bimetallic gold-palladium loaded on carbon as efficient catalysts for the oxidation of benzyl alcohol into benzaldehyde. <i>Journal of Molecular Liquids</i> , 2018, 271, 885-891.	2.3	54
75	Biodiesel from low cost palm stearin using metal doped methoxide solid catalyst. <i>Industrial Crops and Products</i> , 2015, 76, 281-289.	2.5	53
76	Alumina supported/unsupported mixed oxides of Ca and Mg as heterogeneous catalysts for transesterification of <i>Nannochloropsis</i> sp. microalgae's oil. <i>Energy Conversion and Management</i> , 2014, 88, 1193-1199.	4.4	52
77	Free-H ₂ deoxygenation of <i>Jatropha curcas</i> oil into cleaner diesel-grade biofuel over coconut residue-derived activated carbon catalyst. <i>Journal of Cleaner Production</i> , 2020, 249, 119381.	4.6	51
78	Synthesis and characterization of Fe ₂ O ₃ /CaO derived from <i>Anadara Granosa</i> for methyl ester production. <i>Energy Conversion and Management</i> , 2016, 126, 124-131.	4.4	50
79	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.	2.6	50
80	Advances in physiochemical and biotechnological approaches for sustainable metal recovery from e-waste: A critical review. <i>Journal of Cleaner Production</i> , 2021, 323, 129015.	4.6	50
81	Improving valuable metal ions capturing from spent Li-ion batteries with novel materials and approaches. <i>Journal of Molecular Liquids</i> , 2021, 338, 116703.	2.3	50
82	Towards the robust hydrogen (H ₂) fuel production with niobium complexes-A review. <i>Journal of Cleaner Production</i> , 2021, 318, 128439.	4.6	50
83	Methyl ester production from palm fatty acid distillate (PFAD) using sulfonated cow dung-derived carbon-based solid acid catalyst. <i>Energy Conversion and Management</i> , 2019, 196, 1306-1315.	4.4	49
84	Properties of high strength concrete using white and dune sands under normal and autoclaved curing. <i>Construction and Building Materials</i> , 2012, 27, 218-222.	3.2	48
85	Modified sulfonation method for converting carbonized glucose into solid acid catalyst for the esterification of palm fatty acid distillate. <i>Fuel</i> , 2018, 229, 68-78.	3.4	48
86	Kinetic and thermodynamic of heterogeneously K ₃ PO ₄ /AC-catalysed transesterification via pseudo-first order mechanism and Eyring-Polanyi equation. <i>Fuel</i> , 2018, 232, 653-658.	3.4	48
87	Production of renewable diesel from <i>Jatropha curcas</i> oil via pyrolytic-deoxygenation over various multi-wall carbon nanotube-based catalysts. <i>Chemical Engineering Research and Design</i> , 2020, 142, 336-349.	2.7	48
88	Sub- and supercritical esterification of palm fatty acid distillate with carbohydrate-derived solid acid catalyst. <i>Chemical Engineering Journal</i> , 2016, 284, 872-878.	6.6	47
89	Catalytic gasification of oil palm frond biomass in supercritical water using MgO supported Ni, Cu and Zn oxides as catalysts for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11215-11228.	3.8	47
90	Esterification of palm fatty acid distillate (PFAD) to biodiesel using Bi-functional catalyst synthesized from waste angel wing shell (<i>Cyrtopleura costata</i>). <i>Renewable Energy</i> , 2019, 131, 187-196.	4.3	47

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91	Efficient deoxygenation of waste cooking oil over Co ₃ O ₄ -La ₂ O ₃ -doped activated carbon for the production of diesel-like fuel. RSC Advances, 2020, 10, 4996-5009.	1.7	47
92	Application of modified red mud in environmentally-benign applications: A review paper. Environmental Engineering Research, 2020, 25, 795-806.	1.5	47
93	Pyrolytic-deoxygenation of triglycerides model compound and non-edible oil to hydrocarbons over SiO ₂ -Al ₂ O ₃ supported NiO-CaO catalysts. Journal of Analytical and Applied Pyrolysis, 2018, 129, 221-230.	2.6	46
94	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.	1.7	46
95	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.	1.7	45
96	Catalytic deoxygenation of triglycerides to green diesel over modified CaO-based catalysts. RSC Advances, 2017, 7, 46445-46460.	1.7	45
97	Structural, thermal, and optical analysis of zinc boro-aluminosilicate glasses containing different alkali and alkaline modifier ions. Journal of Non-Crystalline Solids, 2017, 456, 55-63.	1.5	45
98	Extraction and Characterization of γ -Alumina from Waste Aluminium Dross. Waste and Biomass Valorization, 2017, 8, 321-327.	1.8	45
99	Cold flow and fuel properties of methyl oleate and palm-oil methyl ester blends. Fuel, 2015, 160, 238-244.	3.4	44
100	Heterogeneous calcium-based bimetallic oxide catalyzed transesterification of <i>Elaeis guineensis</i> derived triglycerides for biodiesel production. Energy Conversion and Management, 2017, 141, 20-27.	4.4	43
101	Synthesis of carbonaceous solid acid magnetic catalyst from empty fruit bunch for esterification of palm fatty acid distillate (PFAD). Energy Conversion and Management, 2019, 195, 480-491.	4.4	43
102	Supermagnetic Nano-Bifunctional Catalyst from Rice Husk: Synthesis, Characterization and Application for Conversion of Used Cooking Oil to Biodiesel. Catalysts, 2020, 10, 225.	1.6	43
103	Promoting deoxygenation of triglycerides via Co-Ca loaded SiO ₂ -Al ₂ O ₃ catalyst. Applied Catalysis A: General, 2018, 552, 38-48.	2.2	42
104	Structural and optical studies of Er ³⁺ -doped alkali/alkaline oxide containing zinc boro-aluminosilicate glasses for 1.5 μ m optical amplifier applications. Optical Materials, 2017, 69, 401-419.	1.7	41
105	Structural, thermal and optical absorption features of heavy metal oxides doped tellurite rich glasses. Results in Physics, 2017, 7, 166-174.	2.0	41
106	Waterless purification using oil palm biomass-derived bioadsorbent improved the quality of biodiesel from waste cooking oil. Journal of Cleaner Production, 2017, 165, 262-272.	4.6	41
107	Hydrogen production via CO ₂ dry reforming of glycerol over Re Ni/CaO catalysts. International Journal of Hydrogen Energy, 2019, 44, 20857-20871.	3.8	41
108	Hydrogen production from glycerol dry reforming over Ag-promoted Ni/Al ₂ O ₃ . International Journal of Hydrogen Energy, 2019, 44, 213-225.	3.8	41

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109	Biodiesel production via simultaneous esterification and transesterification of chicken fat oil by mesoporous sulfated Ce supported activated carbon. <i>Biomass and Bioenergy</i> , 2020, 141, 105714.	2.9	41
110	Advancement in heterogeneous base catalyzed technology: An efficient production of biodiesel fuels. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, .	0.8	40
111	Reusable gypsum based catalyst for synthesis of glycerol carbonate from glycerol and urea. <i>Applied Catalysis A: General</i> , 2015, 502, 312-319.	2.2	40
112	Efficient and reusable iron-zinc oxide catalyst for oxidative desulfurization of model fuel. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1645-1656.	3.3	39
113	Renewable diesel via solventless and hydrogen-free catalytic deoxygenation of palm fatty acid distillate. <i>Journal of Cleaner Production</i> , 2020, 274, 122850.	4.6	38
114	Investigation of Ce(III) promoter effects on the tri-metallic Pt, Pd, Ni/MgO catalyst in dry-reforming of methane. <i>RSC Advances</i> , 2016, 6, 10372-10384.	1.7	37
115	Subsolidus phase equilibria and electrical properties of pyrochlores in the Bi ₂ O ₃ -CuO-Ta ₂ O ₅ ternary system. <i>Journal of Alloys and Compounds</i> , 2016, 675, 116-127.	2.8	36
116	Optimization study of SiO ₂ -Al ₂ O ₃ supported bifunctional acid-base NiO-CaO for renewable fuel production using response surface methodology. <i>Energy Conversion and Management</i> , 2017, 141, 325-338.	4.4	36
117	New coumarin and dihydrocinnamic acid derivatives from two malaysian populations of <i>Micromelum minutum</i> . <i>Phytochemistry</i> , 1994, 37, 561-564.	1.4	34
118	Production of methyl esters from waste cooking oil using a heterogeneous biomass-based catalyst. <i>Renewable Energy</i> , 2017, 114, 638-643.	4.3	34
119	Octanoic acid hydrodeoxygenation over bifunctional Ni/Al-SBA-15 catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 6673-6680.	2.1	34
120	Microwave-Assisted Methyl Ester Production from Palm Fatty Acid Distillate over a Heterogeneous Carbon-Based Solid Acid Catalyst. <i>Chemical Engineering and Technology</i> , 2015, 38, 1837-1844.	0.9	33
121	Optimization study of binary metal oxides catalyzed transesterification system for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2015, 94, 430-440.	2.7	33
122	Soulamarin, a New Coumarin from Stem Bark of <i>Calophyllum soulattri</i> . <i>Molecules</i> , 2011, 16, 9721-9727.	1.7	32
123	A new insight to the physical interpretation of activated carbon and iron doped carbon material: Sorption affinity towards organic dye. <i>Bioresource Technology</i> , 2014, 160, 52-56.	4.8	32
124	Sucrose-derived catalytic biodiesel synthesis from low cost palm fatty acid distillate. <i>Chemical Engineering Research and Design</i> , 2015, 95, 126-135.	2.7	32
125	Efficient reaction for biodiesel manufacturing using bi-functional oxide catalyst. <i>Catalysis Communications</i> , 2021, 149, 106201.	1.6	32
126	Enhancing the sorption performance of surfactant-assisted CaO nanoparticles. <i>RSC Advances</i> , 2014, 4, 65127-65136.	1.7	31

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127	Synthesis of Biodiesel through Catalytic Transesterification of Various Feedstocks using Fast Solvothermal Technology: A Critical Review. <i>Catalysis Reviews - Science and Engineering</i> , 2015, 57, 407-435.	5.7	31
128	Pyrolytic deoxygenation of triglyceride via natural waste shell derived Ca(OH) ₂ nanocatalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 117, 46-55.	2.6	31
129	Synthesis of char-based acidic catalyst for methanolysis of waste cooking oil: An insight into a possible valorization pathway for the solid by-product of gasification. <i>Energy Conversion and Management</i> , 2018, 158, 186-192.	4.4	31
130	Production of methyl esters from waste cooking oil and chicken fat oil via simultaneous esterification and transesterification using acid catalyst. <i>Energy Conversion and Management</i> , 2020, 226, 113366.	4.4	31
131	A new cytotoxic carbazole alkaloid from <i>Clausena excavata</i> . <i>Natural Product Research</i> , 2007, 21, 810-813.	1.0	30
132	Enhancement of hydrogen production by secondary metal oxide dopants on NiO/CaO material for catalytic gasification of empty palm fruit bunches. <i>Energy</i> , 2012, 47, 158-165.	4.5	30
133	Screening of solid base catalysts on palm oil based biolubricant synthesis. <i>Journal of Cleaner Production</i> , 2017, 148, 441-451.	4.6	30
134	Effective biodiesel synthesis from palm fatty acid distillate (PFAD) using carbon-based solid acid catalyst derived glycerol. <i>Renewable Energy</i> , 2019, 142, 658-667.	4.3	30
135	New Lithiated NASICON-Type Li ₂ Ni ₂ (MoO ₄) ₃ for Rechargeable Lithium Batteries. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, A242.	2.2	29
136	SiO ₂ -Rich Sugar Cane Bagasse Ash Catalyst for Transesterification of Palm Oil. <i>Bioenergy Research</i> , 2020, 13, 986-997.	2.2	29
137	Functional novel ligand based palladium(II) separation and recovery from e-waste using solvent-ligand approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127767.	2.3	29
138	Biodiesel synthesis from photoautotrophic cultivated oleaginous microalgae using a sand dollar catalyst. <i>RSC Advances</i> , 2015, 5, 47140-47152.	1.7	28
139	Influence of Ce ₂ O ₃ and CeO ₂ promoters on Pd/MgO catalysts in the dry-reforming of methane. <i>RSC Advances</i> , 2015, 5, 81739-81752.	1.7	28
140	Esterification of high free fatty acids in supercritical methanol using sulfated angel wing shells as catalyst. <i>Journal of Supercritical Fluids</i> , 2017, 124, 1-9.	1.6	28
141	Copper-dolomite as effective catalyst for glycerol hydrogenolysis to 1,2-propanediol. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 112, 34-51.	2.7	28
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