

# Yun Hin Taufiq Yap

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4308336/publications.pdf>

Version: 2024-02-01

305  
papers

12,787  
citations

22153

59  
h-index

39675

94  
g-index

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 <sub>2</sub> methanation. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 359-368.	20.2	404
2	The crucial roles of inflammatory mediators in inflammation: A review. <i>Veterinary World</i> , 2018, 11, 627-635.	1.7	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.	10.1	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.	9.2	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.	5.7	236
6	Efficient biodiesel production from <i>Jatropha curcas</i> using CaSO <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> core-shell magnetic nanoparticles. <i>Journal of Cleaner Production</i> , 2019, 208, 816-826.	9.3	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.	4.1	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.	16.4	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.	7.2	191
10	Preparation and application of binary acid-base CaO-La <sub>2</sub> O <sub>3</sub> catalyst for biodiesel production. <i>Renewable Energy</i> , 2015, 74, 124-132.	8.9	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.	16.4	159
12	Improving the hydrogen production from water over MgO promoted Ni-Si/CNTs photocatalyst. <i>Journal of Cleaner Production</i> , 2019, 238, 117887.	9.3	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.	10.8	152
14	Assessment of clean H <sub>2</sub> energy production from water using novel silicon photocatalyst. <i>Journal of Cleaner Production</i> , 2020, 244, 118805.	9.3	148
15	Studies on design of heterogeneous catalysts for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2013, 91, 131-144.	5.6	143
16	Synthesis of waste cooking oil-based biodiesel via effectual recyclable bi-functional Fe <sub>2</sub> O <sub>3</sub> MnOSO <sub>4</sub> ·2H <sub>2</sub> O/ZrO <sub>2</sub> nanoparticle solid catalyst. <i>Fuel</i> , 2015, 142, 38-45.	6.4	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.	9.2	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.	3.5	127

#	ARTICLE	IF	CITATIONS
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.	12.7	124
20	Production of biodiesel from non-edible <i>Jatropha curcas</i> oil via transesterification using Bi <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> catalyst. <i>Energy Conversion and Management</i> , 2014, 88, 1257-1262.	9.2	122
21	Algae derived biodiesel using nanocatalytic transesterification process. <i>Chemical Engineering Research and Design</i> , 2016, 111, 362-370.	5.6	120
22	Transesterification of <i>Jatropha</i> oil with methanol over Mg-Zn mixed metal oxide catalysts. <i>Energy</i> , 2013, 49, 12-18.	8.8	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.	16.4	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.	9.2	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.	9.2	105
27	Biodiesel production via transesterification of palm oil by using Ca-CeO <sub>2</sub> mixed oxide catalysts. <i>Fuel</i> , 2015, 162, 288-293.	6.4	104
28	Synthesis of biodiesel from palm fatty acid distillate using sulfonated palm seed cake catalyst. <i>Renewable Energy</i> , 2017, 111, 611-619.	8.9	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.	9.3	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.	5.2	97
31	Advances in solid-catalytic and non-catalytic technologies for biodiesel production. <i>Energy Conversion and Management</i> , 2014, 88, 1200-1218.	9.2	95
32	Effective biodiesel synthesis from waste cooking oil and biomass residue solid green catalyst. <i>Chemical Engineering Journal</i> , 2018, 347, 137-144.	12.7	94
33	Production of biodiesel from palm oil using modified Malaysian natural dolomites. <i>Energy Conversion and Management</i> , 2014, 78, 738-744.	9.2	91
34	Methyl ester production from palm fatty acid distillate using sulfonated glucose-derived acid catalyst. <i>Renewable Energy</i> , 2015, 81, 347-354.	8.9	91
35	Preparation of Na <sub>2</sub> O supported CNTs nanocatalyst for efficient biodiesel production from waste-oil. <i>Energy Conversion and Management</i> , 2020, 205, 112445.	9.2	86
36	Renewable energy deployment to combat energy crisis in Pakistan. <i>Energy, Sustainability and Society</i> , 2016, 6, .	3.8	85

#	ARTICLE	IF	CITATIONS
37	Characterization of bismuth oxide catalysts prepared from bismuth trinitrate pentahydrate: influence of bismuth concentration. <i>Catalysis Today</i> , 2004, 93-95, 701-709.	4.4	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 <sub>2</sub> ) reforming over La-promoted Ni/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Renewable Energy</i> , 2015, 74, 441-447.	8.9	83
40	Biodiesel production from crude <i>Jatropha Curcas</i> oil using calcium based mixed oxide catalysts. <i>Fuel</i> , 2014, 136, 244-252.	6.4	82
41	Deoxygenation of waste cooking to renewable diesel over walnut shell-derived nanorode activated carbon supported CaO-La <sub>2</sub> O <sub>3</sub> catalyst. <i>Energy Conversion and Management</i> , 2017, 151, 311-323.	9.2	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.	9.2	81
43	Biodiesel production in the presence of sulfonated mesoporous ZnAl <sub>2</sub> O <sub>4</sub> catalyst via esterification of palm fatty acid distillate (PFAD). <i>Fuel</i> , 2016, 178, 253-262.	6.4	80
44	CeO <sub>2</sub> –SiO <sub>2</sub> supported nickel catalysts for dry reforming of methane toward syngas production. <i>Applied Catalysis A: General</i> , 2013, 468, 359-369.	4.3	79
45	Synthesis of clamshell derived Ca(OH) <sub>2</sub> nano-particles via simple surfactant-hydration treatment. <i>Chemical Engineering Journal</i> , 2015, 262, 1043-1051.	12.7	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.	5.7	78
47	Ultrathin Assemblies of Porous Array for Enhanced H <sub>2</sub> Evolution. <i>Scientific Reports</i> , 2020, 10, 2324.	3.3	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.	9.2	74
49	Therapeutic uses of epicatechin in diabetes and cancer. <i>Veterinary World</i> , 2017, 10, 869-872.	1.7	74
50	Transesterification of <i>Nannochloropsis oculata</i> microalga's oil to biodiesel using calcium methoxide catalyst. <i>Energy</i> , 2014, 78, 63-71.	8.8	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.	5.6	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.	8.2	69
53	Biodiesel synthesis over millimetric $\gamma$ -Al <sub>2</sub> O <sub>3</sub> /KI catalyst. <i>Energy</i> , 2015, 89, 965-973.	8.8	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.	4.4	68

#	ARTICLE	IF	CITATIONS
55	Synthesis and catalytic activity of hydration&#x2013;dehydration treated clamshell derived CaO for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2015, 102, 368-377.	5.6	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.	3.2	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.	3.8	66
58	Pyro-lytic de-oxygenation of waste cooking oil for green diesel production over Ag <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> /AC nano-catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 137, 171-184.	5.5	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.	12.7	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.	4.9	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.	3.5	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.	7.2	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.	12.9	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.	5.5	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.	8.9	60
67	Efficient waste <i>Gallus domesticus</i> shell derived calcium-based catalyst for biodiesel production. <i>Fuel</i> , 2018, 211, 67-75.	6.4	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.	9.2	60
69	Supercritical water gasification of empty fruit bunches from oil palm for hydrogen production. <i>Fuel</i> , 2015, 143, 563-569.	6.4	59
70	Introducing the novel composite photocatalysts to boost the performance of hydrogen (H <sub>2</sub> ) production. <i>Journal of Cleaner Production</i> , 2021, 313, 127909.	9.3	57
71	Energy security in Bangladesh perspective&#x2013;An assessment and implication. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 154-171.	16.4	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.	3.6	56

#	ARTICLE	IF	CITATIONS
73	Methoxy-functionalized mesostructured stable carbon catalysts for effective biodiesel production from non-edible feedstock. <i>Chemical Engineering Journal</i> , 2018, 334, 1851-1868.	12.7	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.	4.9	54
75	Biodiesel from low cost palm stearin using metal doped methoxide solid catalyst. <i>Industrial Crops and Products</i> , 2015, 76, 281-289.	5.2	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.	9.2	52
77	Free-H <sub>2</sub> 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.	9.3	51
78	Synthesis and characterization of Fe <sub>2</sub> O <sub>3</sub> /CaO derived from <i>Anadara Granosa</i> for methyl ester production. <i>Energy Conversion and Management</i> , 2016, 126, 124-131.	9.2	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.	5.5	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.	9.3	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.	4.9	50
82	Towards the robust hydrogen (H <sub>2</sub> ) fuel production with niobium complexes-A review. <i>Journal of Cleaner Production</i> , 2021, 318, 128439.	9.3	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.	9.2	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.	7.2	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.	6.4	48
86	Kinetic and thermodynamic of heterogeneously K <sub>3</sub> PO <sub>4</sub> /AC-catalysed transesterification via pseudo-first order mechanism and Eyring-Polanyi equation. <i>Fuel</i> , 2018, 232, 653-658.	6.4	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.	5.6	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.	12.7	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.	7.1	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.	8.9	47

#	ARTICLE	IF	CITATIONS
91	Efficient deoxygenation of waste cooking oil over Co <sub>3</sub> O <sub>4</sub> -La <sub>2</sub> O <sub>3</sub> -doped activated carbon for the production of diesel-like fuel. RSC Advances, 2020, 10, 4996-5009.	3.6	47
92	Application of modified red mud in environmentally-benign applications: A review paper. Environmental Engineering Research, 2020, 25, 795-806.	2.5	47
93	Pyrolytic-deoxygenation of triglycerides model compound and non-edible oil to hydrocarbons over SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> supported NiO-CaO catalysts. Journal of Analytical and Applied Pyrolysis, 2018, 129, 221-230.	5.5	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.	3.6	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.	3.5	45
96	Catalytic deoxygenation of triglycerides to green diesel over modified CaO-based catalysts. RSC Advances, 2017, 7, 46445-46460.	3.6	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.	3.1	45
98	Extraction and Characterization of $\gamma$ -Alumina from Waste Aluminium Dross. Waste and Biomass Valorization, 2017, 8, 321-327.	3.4	45
99	Cold flow and fuel properties of methyl oleate and palm-oil methyl ester blends. Fuel, 2015, 160, 238-244.	6.4	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.	9.2	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.	9.2	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.	3.5	43
103	Promoting deoxygenation of triglycerides via Co-Ca loaded SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst. Applied Catalysis A: General, 2018, 552, 38-48.	4.3	42
104	Structural and optical studies of Er <sup>3+</sup> -doped alkali/alkaline oxide containing zinc boro-aluminosilicate glasses for 1.5 $\mu$ m optical amplifier applications. Optical Materials, 2017, 69, 401-419.	3.6	41
105	Structural, thermal and optical absorption features of heavy metal oxides doped tellurite rich glasses. Results in Physics, 2017, 7, 166-174.	4.1	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.	9.3	41
107	Hydrogen production via CO <sub>2</sub> dry reforming of glycerol over Re Ni/CaO catalysts. International Journal of Hydrogen Energy, 2019, 44, 20857-20871.	7.1	41
108	Hydrogen production from glycerol dry reforming over Ag-promoted Ni/Al <sub>2</sub> O <sub>3</sub> . International Journal of Hydrogen Energy, 2019, 44, 213-225.	7.1	41



#	ARTICLE	IF	CITATIONS
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.	5.7	41
110	Advancement in heterogeneous base catalyzed technology: An efficient production of biodiesel fuels. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, .	2.0	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.	4.3	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.	6.7	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.	9.3	38
114	Investigation of Ce (<math>\text{Ce}</math>) promoter effects on the tri-metallic Pt, Pd, Ni/MgO catalyst in dry-reforming of methane. <i>RSC Advances</i> , 2016, 6, 10372-10384.	3.6	37
115	Subsolidus phase equilibria and electrical properties of pyrochlores in the $\text{Bi}_2\text{O}_3\text{-CuO-Ta}_2\text{O}_5$ ternary system. <i>Journal of Alloys and Compounds</i> , 2016, 675, 116-127.	5.5	36
116	Optimization study of $\text{SiO}_2\text{-Al}_2\text{O}_3$ supported bifunctional acid-base NiO-CaO for renewable fuel production using response surface methodology. <i>Energy Conversion and Management</i> , 2017, 141, 325-338.	9.2	36
117	New coumarin and dihydrocinnamic acid derivatives from two malaysian populations of <i>Micromelum minutum</i> . <i>Phytochemistry</i> , 1994, 37, 561-564.	2.9	34
118	Production of methyl esters from waste cooking oil using a heterogeneous biomass-based catalyst. <i>Renewable Energy</i> , 2017, 114, 638-643.	8.9	34
119	Octanoic acid hydrodeoxygenation over bifunctional Ni/Al-SBA-15 catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 6673-6680.	4.1	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.	1.5	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.	5.6	33
122	Soulamarin, a New Coumarin from Stem Bark of <i>Calophyllum soulattri</i> . <i>Molecules</i> , 2011, 16, 9721-9727.	3.8	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.	9.6	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.	5.6	32
125	Efficient reaction for biodiesel manufacturing using bi-functional oxide catalyst. <i>Catalysis Communications</i> , 2021, 149, 106201.	3.3	32
126	Enhancing the sorption performance of surfactant-assisted CaO nanoparticles. <i>RSC Advances</i> , 2014, 4, 65127-65136.	3.6	31



#	ARTICLE	IF	CITATIONS
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.	12.9	31
128	Pyrolytic deoxygenation of triglyceride via natural waste shell derived Ca(OH) <sub>2</sub> nanocatalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 117, 46-55.	5.5	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.	9.2	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.	9.2	31
131	A new cytotoxic carbazole alkaloid from <i>Clausena excavata</i> . <i>Natural Product Research</i> , 2007, 21, 810-813.	1.8	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.	8.8	30
133	Screening of solid base catalysts on palm oil based biolubricant synthesis. <i>Journal of Cleaner Production</i> , 2017, 148, 441-451.	9.3	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.	8.9	30
135	New Lithiated NASICON-Type Li <sub>2</sub> Ni <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> for Rechargeable Lithium Batteries. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, A242.	2.2	29
136	SiO <sub>2</sub> -Rich Sugar Cane Bagasse Ash Catalyst for Transesterification of Palm Oil. <i>Bioenergy Research</i> , 2020, 13, 986-997.	3.9	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.	4.7	29
138	Biodiesel synthesis from photoautotrophic cultivated oleaginous microalgae using a sand dollar catalyst. <i>RSC Advances</i> , 2015, 5, 47140-47152.	3.6	28
139	Influence of Ce <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> promoters on Pd/MgO catalysts in the dry-reforming of methane. <i>RSC Advances</i> , 2015, 5, 81739-81752.	3.6	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.	3.2	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.	5.3	28
142	Synthesis and characterization of sulfonated carbon catalysts derived from biomass waste and its evaluation in glycerol acetylation. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 2045-2060.	4.6	28
143	A Short Review on Catalyst, Feedstock, Modernised Process, Current State and Challenges on Biodiesel Production. <i>Catalysts</i> , 2021, 11, 1261.	3.5	28
144	The effect of particle size of CaO and MgO as catalysts for gasification of oil palm empty fruit bunch to produce hydrogen. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 3639-3644.	7.1	27

#	ARTICLE	IF	CITATIONS
145	Microwave-assisted Biodiesel Production by Esterification of Palm Fatty Acid Distillate. <i>Journal of Oleo Science</i> , 2014, 63, 849-855.	1.4	27
146	A new furanoxanthone from the stem bark of <i>Calophyllum inophyllum</i> . <i>Journal of Asian Natural Products Research</i> , 2011, 13, 956-960.	1.4	26
147	Thermal behavior of lignocellulosic materials under aerobic/anaerobic environments. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16011-16019.	7.1	26
148	Hydrogen production from wood gasification promoted by waste eggshell catalyst. <i>International Journal of Energy Research</i> , 2013, 37, 1866-1871.	4.5	26
149	Cytotoxic effect of $\beta$ -sitosterol from <i>Kejibeling</i> ( <i>Strobilanthes crispus</i> ) and its mechanism of action towards <i>c-myc</i> gene expression and apoptotic pathway. <i>Medical Journal of Indonesia</i> , 2015, 23, 203-8.	0.5	26
150	Screening of modified CaO-based catalysts with a series of dopants for the supercritical water gasification of empty palm fruit bunches to produce hydrogen. <i>RSC Advances</i> , 2015, 5, 36798-36808.	3.6	26
151	Bio-oil production via catalytic solvolysis of biomass. <i>RSC Advances</i> , 2017, 7, 7820-7830.	3.6	26
152	A Study of the Kinetics and Mechanism of the Adsorption and Anaerobic Partial Oxidation of n-Butane over a Vanadyl Pyrophosphate Catalyst. <i>Journal of Catalysis</i> , 2000, 189, 253-262.	6.2	25
153	Preparation of Vanadium Phosphate Catalysts from $\text{VOPO}_4 \cdot 2\text{H}_2\text{O}$ : Effect of Microwave Irradiation on Morphology and Catalytic Property. <i>Catalysis Letters</i> , 2007, 119, 64-71.	2.6	25
154	High Surface Area Vanadium Phosphate Catalysts for n-Butane Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 7517-7528.	3.7	25
155	Optimization and mechanistic study of the liquid-phase oxidation of naphthalene over biomass-derived iron catalyst. <i>Chemical Engineering Journal</i> , 2014, 252, 382-392.	12.7	25
156	Synthesis of Ferric-Manganese Doped Tungstated Zirconia Nanoparticles as Heterogeneous Solid Superacid Catalyst for Biodiesel Production From Waste Cooking Oil. <i>International Journal of Green Energy</i> , 2015, 12, 987-994.	3.8	25
157	$\text{CO}_2$ Reforming of Methane over Ni/MgO Catalysts Promoted with Zr and La Oxides. <i>ChemistrySelect</i> , 2018, 3, 816-827.	1.5	25
158	Recent advancements and opportunities of decorated graphitic carbon nitride toward solar fuel production and beyond. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4457-4511.	4.9	25
159	High Coke-Resistance Pt/Mg <sub>1-x</sub> Ni <sub>x</sub> O Catalyst for Dry Reforming of Methane. <i>PLoS ONE</i> , 2016, 11, e0145862.	2.5	25
160	Influence of Rare-Earth and Bimetallic Promoters on Various VPO Catalysts for Partial Oxidation of n-Butane. <i>Catalysis Letters</i> , 2009, 130, 504-516.	2.6	24
161	Synthesis of bifunctional nanocatalyst from waste palm kernel shell and its application for biodiesel production. <i>RSC Advances</i> , 2020, 10, 27183-27193.	3.6	24
162	Synthesis and Electrical Properties of Zn-substituted Bismuth Copper Tantalate Pyrochlores. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 718-725.	2.1	23

#	ARTICLE	IF	CITATIONS
163	Solvothermal synthesis of vanadium phosphate catalysts for n-butane oxidation. <i>Chemical Engineering Journal</i> , 2009, 155, 514-522.	12.7	22
164	Preparation and Characterization of Malaysian Dolomites as a Tar Cracking Catalyst in Biomass Gasification Process. <i>Journal of Energy</i> , 2013, 2013, 1-8.	3.2	22
165	Heterogeneous catalysis of transesterification of jatropha curcas oil over calcium cerium bimetallic oxide catalyst. <i>RSC Advances</i> , 2014, 4, 48836-48847.	3.6	22
166	Catalytic deoxygenation of triolein to green fuel over mesoporous TiO <sub>2</sub> aided by in situ hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 11605-11614.	7.1	22
167	Progress on Modified Calcium Oxide Derived Waste-Shell Catalysts for Biodiesel Production. <i>Catalysts</i> , 2021, 11, 194.	3.5	22
168	Pyranoxanthenes from <i>Mesua ferrea</i> . <i>Molecules</i> , 2011, 16, 5647-5654.	3.8	21
169	Physicochemical properties, cytotoxicity, and antimicrobial activity of sulphated zirconia nanoparticles. <i>International Journal of Nanomedicine</i> , 2015, 10, 765.	6.7	21
170	Glycerolysis of palm fatty acid distillate for biodiesel feedstock under different reactor conditions. <i>Fuel</i> , 2016, 174, 133-139.	6.4	21
171	Photocatalytic degradation of cationic dye simulated wastewater using four radiation sources, UVA, UVB, UVC and solar lamp of identical power output. <i>Desalination and Water Treatment</i> , 2016, 57, 7976-7987.	1.0	21
172	Synthesis of MnO-NiO-SO <sub>4</sub> /ZrO <sub>2</sub> solid acid catalyst for methyl ester production from palm fatty acid distillate. <i>Energy Conversion and Management</i> , 2017, 139, 166-174.	9.2	21
173	Technological Advancement for Efficiency Enhancement of Biodiesel and Residual Glycerol Refining: A Mini Review. <i>Processes</i> , 2021, 9, 1198.	2.8	21
174	H <sub>2</sub> -rich syngas from glycerol dry reforming over Ni-based catalysts supported on alumina from aluminum dross. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30959-30975.	7.1	21
175	Catalytic deoxygenation of waste cooking oil utilizing nickel oxide catalysts over various supports to produce renewable diesel fuel. <i>Biomass and Bioenergy</i> , 2021, 154, 106248.	5.7	21
176	An Optimization Study for Transesterification of Palm Oil using Response Surface Methodology (RSM). <i>Sains Malaysiana</i> , 2015, 44, 281-290.	0.5	21
177	Green Biofuel Production via Catalytic Pyrolysis of Waste Cooking Oil using Malaysian Dolomite Catalyst. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2018, 13, 489-501.	1.1	21
178	Bismuth-Modified Vanadyl Pyrophosphate Catalysts. <i>Catalysis Letters</i> , 2003, 89, 87-93.	2.6	20
179	Mucigerin, a new coumarin from <i>Calophyllum mucigerum</i> (Guttiferae). <i>Natural Product Research</i> , 2004, 18, 123-128.	1.8	20
180	Influence of Heterogeneous Catalysts and Reaction Parameters on the Acetylation of Glycerol to Acetin: A Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7155.	2.5	20

#	ARTICLE	IF	CITATIONS
181	Development of bimetallic nickel-based catalysts supported on activated carbon for green fuel production. <i>RSC Advances</i> , 2020, 10, 37218-37232.	3.6	20
182	Application of Plasmonic Metal Nanoparticles in TiO <sub>2</sub> -SiO <sub>2</sub> Composite as an Efficient Solar-Activated Photocatalyst: A Review Paper. <i>Frontiers in Chemistry</i> , 2020, 8, 568063.	3.6	20
183	Transesterification of <i>Jatropha Curcas</i> Oil to Biodiesel by Using Short Necked Clam ( <i>Orbicularia Orbiculata</i> ) Shell Derived Catalyst. <i>Energy Exploration and Exploitation</i> , 2012, 30, 853-866.	2.3	19
184	Green nano-catalyst for methanolysis of non-edible <i>Jatropha</i> oil. <i>Energy Conversion and Management</i> , 2014, 87, 618-627.	9.2	19
185	Synthesis of Waste Cooking Oil Based Biodiesel via Ferric-Manganese Promoted Molybdenum Oxide / Zirconia Nanoparticle Solid acid Catalyst: Influence of Ferric and Manganese Dopants. <i>Journal of Oleo Science</i> , 2015, 64, 505-514.	1.4	19
186	Free solvent oxidation of molecular benzyl alcohol by newly synthesized AuPd/titania catalysts. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107471.	3.9	19
187	Enhanced biodiesel synthesis from palm fatty acid distillate and modified sulfonated glucose catalyst via an oscillation flow reactor system. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102993.	6.7	19
188	Post-functionalization of polymeric mesoporous C@Zn core-shell spheres used for methyl ester production. <i>Renewable Energy</i> , 2016, 99, 1235-1243.	8.9	18
189	Versatile boiler ash containing potassium silicate for the synthesis of organic carbonates. <i>RSC Advances</i> , 2016, 6, 34877-34884.	3.6	18
190	Optimization and Characterization of Mesoporous Sulfonated Carbon Catalyst and Its Application in Modeling and Optimization of Acetin Production. <i>Molecules</i> , 2020, 25, 5221.	3.8	18
191	Nanomaterials: An Overview of Nanorods Synthesis and Optimization. , 0, , .		18
192	Enhanced CO <sub>2</sub> methanation at mild temperature on Ni/zeolite from kaolin: effect of metal support interface. <i>RSC Advances</i> , 2021, 11, 16376-16387.	3.6	18
193	Development of a procedure for spherical alginate-boehmite particle preparation. <i>Advanced Powder Technology</i> , 2013, 24, 1119-1125.	4.1	17
194	Facile Recoverable and Reusable Macroscopic Alumina Supported Ni-based Catalyst for Efficient Hydrogen Production. <i>Scientific Reports</i> , 2019, 9, 16358.	3.3	16
195	Enhanced dry reforming toward hydrogen production over Ni/CeO <sub>2</sub> SiO <sub>2</sub> via different catalyst synthesis routes. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20738-20750.	7.1	16
196	Hierarchical HZSM-5 for Catalytic Cracking of Oleic Acid to Biofuels. <i>Nanomaterials</i> , 2021, 11, 747.	4.1	16
197	Catalytic deoxygenation by H <sub>2</sub> -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
198	Photocatalytic treatment of detergent-contaminated wastewater: A short review on current progress. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 484-498.	2.7	16

#	ARTICLE	IF	CITATIONS
199	Preparation of Activated Carbon from Walnut Shell Doped La and Ca Catalyst for Biodiesel Production from Waste Cooking Oil. <i>Materials Science Forum</i> , 0, 840, 348-352.	0.3	15
200	Comparative study between supported and doped MgO catalysts in supercritical water gasification for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3690-3701.	7.1	15
201	Title is missing!. <i>Catalysis Letters</i> , 2001, 74, 99-104.	2.6	14
202	Synthesis of Vanadium Phosphate Catalysts by Hydrothermal Method for Selective Oxidation of n-butane to Maleic Anhydride. <i>Catalysis Letters</i> , 2006, 106, 177-181.	2.6	14
203	Synthesis, structural and electrical properties of novel pyrochlores in the Bi <sub>2</sub> O <sub>3</sub> –Cu–Ta <sub>2</sub> O <sub>5</sub> ternary system. <i>Ceramics International</i> , 2012, 38, 4253-4261.	4.8	14
204	Viable Glycerol Carbonate Synthesis Through Direct Crude Glycerol Utilization from Biodiesel Industry. <i>Waste and Biomass Valorization</i> , 2017, 8, 1049-1059.	3.4	14
205	Appraisal of Sulphonation Processes to Synthesize Palm Waste Biochar Catalysts for the Esterification of Palm Fatty Acid Distillate. <i>Catalysis</i> , 2019, 9, 184.	3.5	14
206	In-situ operando and ex-situ study on light hydrocarbon-like-diesel and catalyst deactivation kinetic and mechanism study during deoxygenation of sludge oil. <i>Chemical Engineering Journal</i> , 2022, 429, 132206.	12.7	14
207	Title is missing!. <i>Catalysis Letters</i> , 1997, 48, 105-110.	2.6	13
208	Sulfonated SnO <sub>2</sub> nanocatalysts <i>via</i> a self-propagating combustion method for esterification of palm fatty acid distillate. <i>RSC Advances</i> , 2020, 10, 29187-29201.	3.6	13
209	Combustion and Emission Performance of CO/NO <sub>x</sub> /SO <sub>x</sub> for Green Diesel Blends in a Swirl Burner. <i>ACS Omega</i> , 2021, 6, 408-415.	3.5	13
210	The effect of structure directing agents on micro/mesopore structures of aluminosilicates from Indonesian kaolin as deoxygenation catalysts. <i>Microporous and Mesoporous Materials</i> , 2021, 315, 110917.	4.4	13
211	A promoter effect on hydrodeoxygenation reactions of oleic acid by zeolite beta catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 155, 105044.	5.5	13
212	Lewis acid Ni/Al-MCM-41 catalysts for H <sub>2</sub> -free deoxygenation of <i>Reutealis trisperma</i> oil to biofuels. <i>RSC Advances</i> , 2021, 11, 21885-21896.	3.6	13
213	Title is missing!. <i>Catalysis Letters</i> , 1997, 46, 273-277.	2.6	12
214	Synthesis and characterisation of vanadyl pyrophosphate catalysts via vanadyl hydrogen phosphate sesquihydrate precursor. <i>Catalysis Today</i> , 2004, 93-95, 715-722.	4.4	12
215	Innovative process for the synthesis of vanadyl pyrophosphate as a highly selective catalyst for n-butane oxidation. <i>Chemical Engineering Journal</i> , 2010, 165, 328-335.	12.7	12
216	Catalytic Steam Reforming of Glycerol Over Cerium and Palladium-Based Catalysts for Hydrogen Production. <i>Journal of Fuel Cell Science and Technology</i> , 2013, 10, .	0.8	12

#	ARTICLE	IF	CITATIONS
217	Cytotoxicity and physicochemical characterization of iron&ndash;manganese-doped sulfated zirconia nanoparticles. <i>International Journal of Nanomedicine</i> , 2015, 10, 5739.	6.7	12
218	Inducing G2/M Cell Cycle Arrest and Apoptosis through Generation Reactive Oxygen Species (ROS)-Mediated Mitochondria Pathway in HT-29 Cells by Dentatin (DEN) and Dentatin Incorporated in Hydroxypropyl- $\beta$ -Cyclodextrin (DEN-HP $\beta$ CD). <i>International Journal of Molecular Sciences</i> , 2016, 17, 1653.	4.1	12
219	Multiple-objective optimization in green fuel production via catalytic deoxygenation reaction with NiO-dolomite catalyst. <i>Fuel</i> , 2022, 308, 122041.	6.4	12
220	Characterisation and Cytotoxicity Assessment of UV Absorbers-Intercalated Zinc/Aluminium-Layered Double Hydroxides on Dermal Fibroblast Cells. <i>Science of Advanced Materials</i> , 2014, 6, 648-658.	0.7	12
221	Novel Synthesis Techniques for Preparation of Ultrahigh-Crystalline Vanadyl Pyrophosphate as a Highly Selective Catalyst for <i>n</i> -Butane Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 2135-2143.	3.7	11
222	Hydrogen Production from Dry-Reforming of Biogas over Pt/Mg $_{1-x}$ Ni $_x$ O Catalysts. <i>Energy Procedia</i> , 2015, 79, 18-25.	1.8	11
223	Nanolayered composite with enhanced ultraviolet ray absorption properties from simultaneous intercalation of sunscreen molecules. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 6359-6374.	6.7	11
224	Catalytic Supercritical Water Gasification of Empty Palm Fruit Bunches Using ZnO-Doped Ni $\beta$ -CaO Catalyst for Hydrogen Production. <i>Bioenergy Research</i> , 2019, 12, 1066-1076.	3.9	11
225	Catalytic decomposition of methane into hydrogen and carbon nanotubes over mesostructured silica nanoparticle-supported nickel catalysts. <i>Journal of Porous Materials</i> , 2020, 27, 369-382.	2.6	11
226	Promoting dry reforming of methane <i>via</i> bifunctional NiO/dolomite catalysts for production of hydrogen-rich syngas. <i>RSC Advances</i> , 2021, 11, 6667-6681.	3.6	11
227	Single-step catalytic deoxygenation-cracking of tung oil to bio-jet fuel over CoW/silica-alumina catalysts. <i>Fuel</i> , 2022, 325, 124917.	6.4	11
228	Optimization of UV Absorptivity of Layered Double Hydroxide by Intercalating Organic UV-Absorbent Molecules. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1490-1500.	1.1	10
229	Studies on the rheological properties of aluminium oxihydroxide (boehmite) colloidal suspension. <i>Ceramics International</i> , 2014, 40, 3779-3783.	4.8	10
230	Optimization of simultaneous production of waste cooking oil based-biodiesel using iron-manganese doped zirconia-supported molybdenum oxide nanoparticles catalyst. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, 033101.	2.0	10
231	Characterization, drug release profile and cytotoxicity of Dentatin-Hydroxypropyl- $\beta$ -Cyclodextrin complex. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2017, 87, 167-178.	1.6	10
232	Effect of La $_{2}$ O $_{3}$ as a Promoter on the Pt,Pd,Ni/MgO Catalyst in Dry Reforming of Methane Reaction. <i>Catalysts</i> , 2020, 10, 750.	3.5	10
233	Optimization of Carbon Nanotube-Coated Monolith by Direct Liquid Injection Chemical Vapor Deposition Based on Taguchi Method. <i>Catalysts</i> , 2020, 10, 67.	3.5	10
234	A study of the nature of the oxidant in V $_{2}$ O $_{5}$ $\beta$ -MoO $_{3}$ /Al $_{2}$ O $_{3}$ catalyst. <i>Chemical Engineering Science</i> , 2001, 56, 5787-5792.	3.8	9



#	ARTICLE	IF	CITATIONS
235	Seeded Growth Route to Noble Calcium Carbonate Nanocrystal. <i>PLoS ONE</i> , 2015, 10, e0144805.	2.5	9
236	Sonolysis, Photolysis, and Sequential Sonophotolysis for the Degradation of 2,4,6-Trichlorophenol: The Effect of Solution Concentration. <i>Chemical Engineering Communications</i> , 2015, 202, 1061-1068.	2.6	9
237	Ferric-manganese doped sulphated zirconia nanoparticles catalyst for single-step biodiesel production from waste cooking oil: Characterization and optimization. <i>International Journal of Green Energy</i> , 2016, 13, 1305-1313.	3.8	9
238	Basic properties of methyl palmitate-diesel blends. <i>Fuel</i> , 2017, 193, 1-6.	6.4	9
239	Degradation of enriched biodiesel under different storage conditions. <i>Biofuels</i> , 2017, 8, 181-186.	2.4	9
240	Catalytic supercritical water gasification of oil palm frond biomass using nanosized MgO doped Zn catalysts. <i>Journal of Supercritical Fluids</i> , 2019, 154, 104610.	3.2	9
241	Enhancement of CO <sub>2</sub> Reforming of CH <sub>4</sub> Reaction Using Ni,Pd,Pt/Mg <sup>1-x</sup> Ce <sub>x</sub> O and Ni/Mg <sup>1-x</sup> Ce <sub>x</sub> O Catalysts. <i>Catalysts</i> , 2020, 10, 1240.	3.5	9
242	One-pot decarboxylation and decarbonylation reaction of waste cooking oil over activated carbon supported nickel-zinc catalyst into diesel-like fuels. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 164, 105505.	5.5	9
243	A New Pyranoxanthone from <i>Calophyllum soulattri</i> . <i>Molecules</i> , 2011, 16, 3999-4004.	3.8	8
244	A Novel Cyclodione Coumarin from the Stem Bark of <i>Mesua beccariana</i> . <i>Molecules</i> , 2011, 16, 7249-7255.	3.8	8
245	Investigation of the Process Conditions for Hydrogen Production by Steam Reforming of Glycerol over Ni/Al <sub>2</sub> O <sub>3</sub> Catalyst Using Response Surface Methodology (RSM). <i>Materials</i> , 2014, 7, 2257-2272.	2.9	8
246	Improved sinterability and conductivity enhancement of 10-mol% calcium-doped ceria using different fuel-aided combustion reactions and its structural characterisation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 185, 26-36.	3.5	8
247	Biodiesel Synthesis Catalyzed by Transition Metal Oxides: Ferric-Manganese Doped Tungstated/Molybdena Nanoparticle Catalyst. <i>Journal of Oleo Science</i> , 2015, 64, 91-99.	1.4	8
248	Anticancer effect of dentatin and dentatin-hydroxypropyl- $\beta$ -cyclodextrin complex on human colon cancer (HT-29) cell line. <i>Drug Design, Development and Therapy</i> , 2017, Volume 11, 3309-3319.	4.3	8
249	Ni, Zn and Fe hydrotalcite-like catalysts for catalytic biomass compound into green biofuel. <i>Pure and Applied Chemistry</i> , 2020, 92, 587-600.	1.9	8
250	Anticancer palladium-doped magnesia nanoparticles: synthesis, characterization, and <i>in vitro</i> study. <i>Nanomedicine</i> , 2020, 15, 547-561.	3.3	8
251	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
252	Catalytically active metal oxides studies for the conversion technology of carboxylic acids and bioresource based fatty acids to ketones: A review. <i>Bioresource Technology Reports</i> , 2022, 17, 100988.	2.7	8



#	ARTICLE	IF	CITATIONS
253	Production of green diesel via hydrogen-free and solventless deoxygenation reaction of waste cooking oil. <i>Journal of Cleaner Production</i> , 2022, 366, 132971.	9.3	8
254	Modification of Malaysian dolomite using mechanochemical treatment via different media for oil palm fronds gasification. <i>International Journal of Energy Research</i> , 2014, 38, 1008-1015.	4.5	7
255	Effects of Bi and Ni on the properties of a vanadium phosphorus oxide catalyst. <i>Chinese Journal of Catalysis</i> , 2014, 35, 270-276.	14.0	7
256	Structural and catalytic studies of Mg <sub>1-x</sub> Ni <sub>x</sub> O nanomaterials for gasification of biomass in supercritical water for H <sub>2</sub> -rich syngas production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33218-33234.	7.1	7
257	Facile synthesis of nanosized La/ZrO <sub>2</sub> catalysts for ketonization of free fatty acid and biomass feedstocks. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 121, 217-228.	5.3	7
258	Insight into CO <sub>2</sub> reforming of CH <sub>4</sub> via NiO/dolomite catalysts for production of H <sub>2</sub> -rich syngas. <i>International Journal of Energy Research</i> , 2021, 45, 15463-15480.	4.5	7
259	Assessment on the Effect of Sulfuric Acid Concentration on Physicochemical Properties of Sulfated-Titania Catalyst and Glycerol Acetylation Performance. <i>Catalysts</i> , 2021, 11, 1542.	3.5	6
260	Gene Expression Profiling of p53 +/− Knockout and Wild-type Mice Following Diethylstilbestrol Administration. <i>IUBMB Life</i> , 2004, 56, 409-416.	3.4	5
261	Effect of calcination temperatures on physicochemical properties of vanadium–antimony mixed oxide catalysts. <i>Catalysis Today</i> , 2004, 93-95, 631-637.	4.4	5
262	Activation of VOHPO <sub>4</sub> · 0.5H <sub>2</sub> O in Propane/Air Mixture: Effect on Structural, Morphological, Oxidant's Behaviour and Catalytic Property of (VO) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> Catalysts for Propane Oxidation. <i>Catalysis Letters</i> , 2005, 105, 103-110.	2.6	5
263	Synthesis and Characterization of Ni-Doped Vanadium Phosphorus Oxide Catalysts. <i>Chinese Journal of Catalysis</i> , 2007, 28, 1037-1040.	14.0	5
264	Effect of varying reflux durations on the physico-chemical and catalytic performance of vanadium phosphate catalysts synthesized via vanadyl hydrogen phosphate sesquihydrate. <i>Applied Catalysis A: General</i> , 2012, 415-416, 53-58.	4.3	5
265	CO <sub>2</sub> capture on NiO supported imidazolium-based ionic liquid. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
266	Production of green biofuel by using a goat manure supported Ni–Al hydrotalcite catalysed deoxygenation process. <i>RSC Advances</i> , 2019, 9, 1642-1652.	3.6	5
267	Biofuels: Past, Present, Future. <i>Green Energy and Technology</i> , 2020, , 489-504.	0.6	5
268	K <sub>2</sub> O Doped Dolomite as Heterogeneous Catalyst for Fatty Acid Methyl Ester Production from Palm Oil. <i>Catalysts</i> , 2020, 10, 791.	3.5	5
269	Evaluation of NiO/TALC Catalytic performance in carbon dioxide reforming of methane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 122, 106-117.	5.3	5
270	Sustainable Production of Bioenergy. <i>Green Energy and Technology</i> , 2020, , 541-561.	0.6	5

#	ARTICLE	IF	CITATIONS
271	Heterogeneous Photocatalytic Chlorination of Methylene Blue Using a Newly Synthesized TiO <sub>2</sub> -SiO <sub>2</sub> Photocatalyst. <i>Catalysts</i> , 2022, 12, 156.	3.5	5
272	Synthesis of palm-based ethylhexyl ester as a synthetic base oil for drilling fluids using chemical transesterification. <i>Grasas Y Aceites</i> , 2014, 65, e005.	0.9	4
273	Phase equilibria in the Bi <sub>2</sub> O <sub>3</sub> -CuO-Nb <sub>2</sub> O <sub>5</sub> ternary system. <i>Ceramics International</i> , 2017, 43, 4930-4936.	4.8	4
274	Solid-phase and precipitation synthesis of Ti-pyrophosphate for the catalytic oxydehydrogenation of n-butane. <i>Comptes Rendus Chimie</i> , 2017, 20, 1037-1046.	0.5	4
275	Modified local carbonate mineral as deoxygenated catalyst for biofuel production via catalytic pyrolysis of waste cooking oil. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
276	Catalytic conversion of waste cooking oil into biodiesel using functionally advanced recyclable iron-impregnated activated carbon materials. <i>Journal of Dispersion Science and Technology</i> , 2020, , 1-16.	2.4	4
277	The Evaluation on Three Types of Malaysian Dolomites as a Primary Catalyst in Gasification Reaction of EFB and Tar Cracking Efficiency. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	4
278	Selective Deoxygenation of Sludge Palm Oil into Diesel Range Fuel over Mn-Mo Supported on Activated Carbon Catalyst. <i>Catalysts</i> , 2022, 12, 566.	3.5	4
279	Chemoselective decarboxylation of ceiba oil to diesel-range alkanes over a red mud based catalyst under H <sub>2</sub> -free conditions. <i>RSC Advances</i> , 2022, 12, 16903-16917.	3.6	4
280	The effect of cobalt doping on vanadyl pyrophosphate catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 78, 25-34.	0.6	3
281	Physico-chemicals and catalytic properties of manganese-promoted vanadium phosphate (VPO) catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 92, 275-284.	0.6	3
282	Syngas production from the $\text{CO}_2$ reforming of methane over $\text{Co}/\text{hbox}\{\text{Mg}\}_{1-\text{mathrm}\{x\}}\text{hbox}\{\text{Ni}\}_{\text{mathrm}\{x\}}\text{hbox}\{\text{O}\}$ . <i>Journal of Chemical Sciences</i> , 2017, 129, 1781-1786.	1.5	3
283	Appraisal of Biodiesel Prepared Via Acid Catalysis from Palm Fatty Acid Distillate. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 2205-2210.	1.5	3
284	Nanostructured of Vanadium Phosphorus Oxide (Vpo) Catalyst Prepared by Sonochemical Treatment. <i>Advanced Materials Research</i> , 0, 364, 25-29.	0.3	2
285	The Effect of CeO <sub>2</sub> and Fe <sub>2</sub> O <sub>3</sub> Dopants on Ni/ Alumina Based Catalyst for Dry Reforming of Methane to Hydrogen. <i>Advanced Materials Research</i> , 2011, 364, 519-523.	0.3	2
286	Biodiesel Production via Transesterification of Nannochloropsis oculata microalga's Oil Using Calcium Methoxide as Heterogeneous Catalyst. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2014, 93, 995-999.	0.2	2
287	General Concepts for Catalytic Synthesis of Biodiesel from Waste Cooking Oil. <i>Green Energy and Technology</i> , 2018, , 429-455.	0.6	2
288	Characterization of Mn-Doped Vanadium Phosphorus Oxide (VPO) Catalyst: Effect of Ball Milling. <i>Eurasian Chemico-Technological Journal</i> , 2005, 7, 73.	0.6	2

#	ARTICLE	IF	CITATIONS
289	Environment-friendly deoxygenation of non-edible Ceiba oil to liquid hydrocarbon biofuel: process parameters and optimization study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51143-51152.	5.3	2
290	Temperature programmed techniques study on the nature of the oxidant in/on V <sub>2</sub> O <sub>5</sub> catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2006, 89, 9-19.	0.6	1
291	Mechanochemical-treated Cr-promoted Vanadyl Pyrophosphate Catalyst for n-Butane Oxidation to Maleic Anhydride. <i>Petroleum Science and Technology</i> , 2008, 26, 734-741.	1.5	1
292	Effect of Sonochemical Duration on the Synthesis of Vanadium Oxide Nanowires. <i>Advanced Materials Research</i> , 0, 364, 515-518.	0.3	1
293	Production of Biodiesel from Non-Edible <i>Jatropha curcas</i> Oil via Transesterification Using Nd <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> Catalyst. <i>Advanced Materials Research</i> , 0, 620, 335-339.	0.3	1
294	Tin Oxide Doped on Activated Dolomites as Efficient Catalyst for Biodiesel Production. <i>Advanced Materials Research</i> , 0, 620, 378-383.	0.3	1
295	Effect of Different Calcination Duration on Physicochemical Properties of Vanadium Phosphate Catalysts. <i>E-Journal of Chemistry</i> , 2012, 9, 1440-1448.	0.5	1
296	Binary metal-doped methoxide catalyst for biodiesel production from palm stearin. <i>Research on Chemical Intermediates</i> , 2016, 42, 1943-1963.	2.7	1
297	Hydrodeoxygenation of oleic acid for effective diesel-like hydrocarbon production using zeolite-based catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 134, 1069.	1.7	1
298	Synthesis of Carbide Lime Waste Derived Base Catalyst (KF/CLW-Fe <sub>3</sub> O <sub>4</sub> ) for Methyl Ester Production: An Optimization Study. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2022, 17, 127-134.	1.1	1
299	Hydrogen Production from Rice Straw Gasification over Modified-Limestone Catalyst. <i>Advanced Materials Research</i> , 2012, 550-553, 488-492.	0.3	0
300	Influence of Intercalation-Exfoliation-Reduction Technique towards the Physico-Chemical of VPO Catalysts. <i>Journal of Chemistry</i> , 2013, 2013, 1-8.	1.9	0
301	Effects of pH in the incorporation of Mn <sup>2+</sup> in Ce <sub>1-x</sub> Mn <sub>x</sub> O <sub>2-x</sub> (0.05 ≤ x ≤ 0.25) solid solutions using oxalate co-precipitation technique and its characterizations. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1655, 1.	0.1	0
302	Photocatalytic Hydrogen from Water Over Semiconductors. <i>Green Energy and Technology</i> , 2022, , 175-194.	0.6	0
303	A NEW ELECTRODE WITH POLYANION - (MoO <sub>4</sub> ) <sub>3</sub> AS CATHODE FOR LITHIUM ION BATTERIES. , 2002, , .		0
304	Efficient W-Mo mixed oxide supported CaO catalyst for the production of biodiesel from high FFA waste cooking oil: Stoichiometric effect. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 932, 012016.	0.6	0
305	Future Aviation Biofuel, Efficiency and Climate Change. <i>Green Energy and Technology</i> , 2021, , 505-522.	0.6	0