

Chin Kui Cheng, CEng

List of Publications by Year in descending order

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203
papers

8,562
citations

38742

50
h-index

71685

76
g-index

208
all docs

208
docs citations

208
times ranked

7022
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-oxidation of waste glycerol to tartronic acid over Pt/CNT nanocatalyst: study of effect of reaction time on product distribution. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 10998-11014.	2.3	8
2	Biodiesel produced using potassium methoxide homogeneous alkaline catalyst: effects of various factors on soap formation. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9237-9247.	4.6	6
3	Hydrogen Generation from CO ₂ Reforming of Biomass-Derived Methanol on Ni/SiO ₂ Catalyst. <i>Topics in Catalysis</i> , 2023, 66, 41-52.	2.8	1
4	Heavy metal removal by biomass-derived carbon nanotubes as a greener environmental remediation: A comprehensive review. <i>Chemosphere</i> , 2022, 287, 131959.	8.2	130
5	Elucidating the effect of process parameters on the production of hydrogen-rich syngas by biomass and coal Co-gasification techniques: A multi-criteria modeling approach. <i>Chemosphere</i> , 2022, 287, 132052.	8.2	28
6	Biomass-derived carbon-based and silica-based materials for catalytic and adsorptive applications- An update since 2010. <i>Chemosphere</i> , 2022, 287, 132222.	8.2	8
7	CO ₂ hydrogenation to light olefins over mixed Fe-Co-K-Al oxides catalysts prepared via precipitation and reduction methods. <i>Chemical Engineering Journal</i> , 2022, 428, 131389.	12.7	51
8	Bio-hydrogen production from steam reforming of liquid biomass wastes and biomass-derived oxygenates: A review. <i>Fuel</i> , 2022, 311, 122623.	6.4	29
9	Light olefins synthesis from CO ₂ hydrogenation over mixed Fe-Co-K supported on micro-mesoporous carbon catalysts. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 42185-42199.	7.1	11
10	Interaction effect of process parameters and Pd electrocatalyst in formic acid electro-oxidation for fuel cell applications: Implementing supervised machine learning algorithms. <i>International Journal of Energy Research</i> , 2022, 46, 21583-21597.	4.5	8
11	The application of green solvent in a biorefinery using lignocellulosic biomass as a feedstock. <i>Journal of Environmental Management</i> , 2022, 307, 114385.	7.8	33
12	Fungal Fermented Palm Kernel Expeller as Feed for Black Soldier Fly Larvae in Producing Protein and Biodiesel. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 332.	3.5	13
13	Biomass-derived biochar: From production to application in removing heavy metal-contaminated water. <i>Chemical Engineering Research and Design</i> , 2022, 160, 704-733.	5.6	86
14	Enhanced activity and stability of SO ₄ ²⁻ /ZrO ₂ by addition of Cu combined with CuZnO/ZrO ₂ for direct synthesis of dimethyl ether from CO ₂ hydrogenation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41374-41385.	7.1	11
15	Investigation into Lewis and Brønsted acid interactions between metal chloride and aqueous choline chloride-oxalic acid for enhanced furfural production from lignocellulosic biomass. <i>Science of the Total Environment</i> , 2022, 827, 154049.	8.0	25
16	Rapid effectual entrapment of arsenic pollutant by Fe ₂ O ₃ supported on bimodal meso-macroporous silica for cleaning up aquatic system. <i>Chemosphere</i> , 2022, 300, 134613.	8.2	9
17	Uniform mesoporous hierarchical nanosized zeolite Y for production of Hydrocarbon-like biofuel under H ₂ -Free deoxygenation. <i>Fuel</i> , 2022, 322, 124208.	6.4	3
18	Remediation of heavy metal polluted waters using activated carbon from lignocellulosic biomass: An update of recent trends. <i>Chemosphere</i> , 2022, 302, 134825.	8.2	53

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19	Photoelectrocatalytic reduction of CO ₂ to methanol over CuFe ₂ O ₄ @PANI photocathode. International Journal of Hydrogen Energy, 2021, 46, 24709-24720.	7.1	43
20	CO ₂ hydrogenation to methanol at high reaction temperatures over In ₂ O ₃ /ZrO ₂ catalysts: Influence of calcination temperatures of ZrO ₂ support. Catalysis Today, 2021, 375, 298-306.	4.4	39
21	Development of nanosilica-based catalyst for syngas production via CO ₂ reforming of CH ₄ : A review. International Journal of Hydrogen Energy, 2021, 46, 24687-24708.	7.1	29
22	Modeling the effect of process parameters on the photocatalytic degradation of organic pollutants using artificial neural networks. Chemical Engineering Research and Design, 2021, 145, 120-132.	5.6	49
23	Methane dry reforming over Ni/fibrous SBA-15 catalysts: Effects of support morphology (rod-like) Tj ETQq1 1 0.784314 rgBT /Overlock 28	4.4	28
24	Tuning interaction of surface-adsorbed species over Fe/K-Al ₂ O ₃ modified with transition metals (Cu,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	6.4	53
25	Effect of reaction conditions on the lifetime of SAPO-34 catalysts in methanol to olefins process â€“ A review. Fuel, 2021, 283, 118851.	6.4	59
26	Photocatalytic remediation of organic waste over Keggin-based polyoxometalate materials: A review. Chemosphere, 2021, 263, 128244.	8.2	87
27	Identification of microbial inhibitions and mitigation strategies towards cleaner bioconversions of palm oil mill effluent (POME): A review. Journal of Cleaner Production, 2021, 280, 124346.	9.3	32
28	Sustainable utilization of waste glycerol for 1,3-propanediol production over Pt/WO _x /Al ₂ O ₃ catalysts: Effects of catalyst pore sizes and optimization of synthesis conditions. Environmental Pollution, 2021, 272, 116029.	7.5	29
29	Significant improvement of power generation through effective substrate-inoculum interaction mechanism in microbial fuel cell. Journal of Power Sources, 2021, 484, 229285.	7.8	16
30	Elimination of energy-consuming mechanical stirring: Development of auto-suspending ZnO-based photocatalyst for organic wastewater treatment. Journal of Hazardous Materials, 2021, 409, 124532.	12.4	10
31	Effects of operating parameters for dry reforming of methane: A short review. E3S Web of Conferences, 2021, 287, 04015.	0.5	4
32	Modeling the prediction of hydrogen production by coâ€“gasification of plastic and rubber wastes using machine learning algorithms. International Journal of Energy Research, 2021, 45, 9580-9594.	4.5	24
33	Recent development of high-performance photocatalysts for N ₂ fixation: A review. Journal of Environmental Chemical Engineering, 2021, 9, 104997.	6.7	33
34	Black Soldier Fly Larval Valorization Benefitting from Ex-Situ Fungal Fermentation in Reducing Coconut Endosperm Waste. Processes, 2021, 9, 275.	2.8	10
35	CO ₂ Hydrogenation to Light Olefins Over In ₂ O ₃ /SAPO-34 and Fe-Co/K-Al ₂ O ₃ Composite Catalyst. Topics in Catalysis, 2021, 64, 316-327.	2.8	21
36	Microalgae Cultivation in Palm Oil Mill Effluent (POME) Treatment and Biofuel Production. Sustainability, 2021, 13, 3247.	3.2	83

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37	Emerging photocatalysts for air purification. <i>Materials Letters</i> , 2021, 288, 129355.	2.6	13
38	Highly active Fe-Co-Zn/K-Al ₂ O ₃ catalysts for CO ₂ hydrogenation to light olefins. <i>Chemical Engineering Science</i> , 2021, 233, 116428.	3.8	40
39	Preface to "Thermocatalytic Conversion of CO ₂ into Sustainable Chemical Products". <i>Topics in Catalysis</i> , 2021, 64, 315-315.	2.8	0
40	Holistic process evaluation of non-conventional palm oil mill effluent (POME) treatment technologies: A conceptual and comparative review. <i>Journal of Hazardous Materials</i> , 2021, 409, 124964.	12.4	27
41	A comprehensive review on the techniques for coconut oil extraction and its application. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1807-1818.	3.4	33
42	Adsorption behavior of mercury over hydrated lime: Experimental investigation and adsorption process characteristic study. <i>Chemosphere</i> , 2021, 271, 129504.	8.2	32
43	Application of statistical modeling for the production of highly pure rhamnolipids using magnetic biocatalysts: Evaluating its efficiency as a bioremediation agent. <i>Journal of Hazardous Materials</i> , 2021, 412, 125323.	12.4	11
44	Simulation and Optimisation of Integrated Anaerobic-Aerobic Bioreactor (IAAB) for the Treatment of Palm Oil Mill Effluent. <i>Processes</i> , 2021, 9, 1124.	2.8	17
45	Integrated catalytic insights into methanol production: Sustainable framework for CO ₂ conversion. <i>Journal of Environmental Management</i> , 2021, 289, 112468.	7.8	28
46	Recent advances in light olefins production from catalytic hydrogenation of carbon dioxide. <i>Chemical Engineering Research and Design</i> , 2021, 151, 401-427.	5.6	39
47	Photocatalytic water splitting for solving energy crisis: Myth, Fact or Busted?. <i>Chemical Engineering Journal</i> , 2021, 417, 128847.	12.7	108
48	Nonsevere furfural production using ultrasonicated oil palm fronds and aqueous choline chloride-oxalic acid. <i>Industrial Crops and Products</i> , 2021, 166, 113397.	5.2	32
49	Augmentation of microbial fuel cell and photocatalytic polishing technique for the treatment of hazardous dimethyl phthalate containing wastewater. <i>Journal of Hazardous Materials</i> , 2021, 415, 125587.	12.4	18
50	A review on advances in green treatment of glycerol waste with a focus on electro-oxidation pathway. <i>Chemosphere</i> , 2021, 276, 130128.	8.2	41
51	Potential application of Allium Cepa seeds as a novel biosorbent for efficient biosorption of heavy metals ions from aqueous solution. <i>Chemosphere</i> , 2021, 279, 130545.	8.2	46
52	Advances and recent trends in cobalt-based cocatalysts for solar-to-fuel conversion. <i>Applied Materials Today</i> , 2021, 24, 101074.	4.3	23
53	Kinetic modeling and reaction pathways for thermo-catalytic conversion of carbon dioxide and methane to hydrogen-rich syngas over alpha-alumina supported cobalt catalyst. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30871-30881.	7.1	2
54	Microalgae and ammonia: A review on inter-relationship. <i>Fuel</i> , 2021, 303, 121303.	6.4	86

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55	Converting solid biomass waste into nanomaterial for the treatment of hazardous waste. <i>Chemosphere</i> , 2021, 285, 131461.	8.2	1
56	Microwave co-torrefaction of waste oil and biomass pellets for simultaneous recovery of waste and co-firing fuel. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111699.	16.4	29
57	Progress on the lignocellulosic biomass pyrolysis for biofuel production toward environmental sustainability. <i>Fuel Processing Technology</i> , 2021, 223, 106997.	7.2	256
58	Unravelling CO ₂ capture performance of microalgae cultivation and other technologies via comparative carbon balance analysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106519.	6.7	22
59	SDS modified mesoporous silica MCM-41 for the adsorption of Cu ²⁺ , Cd ²⁺ , Zn ²⁺ from aqueous systems. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102920.	6.7	22
60	Dendritic fibrous SBA-15 supported nickel (Ni/DFSBA-15): A sustainable catalyst for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18533-18548.	7.1	22
61	Syngas from palm oil mill effluent (POME) steam reforming over lanthanum cobaltite: Effects of net-basicity. <i>Renewable Energy</i> , 2020, 148, 349-362.	8.9	23
62	Catalytic deoxygenation of triolein to green fuel over mesoporous TiO ₂ aided by in situ hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 11605-11614.	7.1	22
63	Ethylene production from ethanol dehydration over mesoporous SBA-15 catalyst derived from palm oil clinker waste. <i>Journal of Cleaner Production</i> , 2020, 249, 119323.	9.3	30
64	Facile synthesis of tunable dendritic fibrous SBA-15 (DFSBA-15) with radial wrinkle structure. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109872.	4.4	14
65	Engineering pyrolysis biochar via single-step microwave steam activation for hazardous landfill leachate treatment. <i>Journal of Hazardous Materials</i> , 2020, 390, 121649.	12.4	110
66	A review of organic waste enrichment for inducing palatability of black soldier fly larvae: Wastes to valuable resources. <i>Environmental Pollution</i> , 2020, 267, 115488.	7.5	79
67	Degradation Behaviors of Solid Oxide Fuel Cell Stacks in Steady-State and Cycling Conditions. <i>Energy & Fuels</i> , 2020, 34, 14864-14873.	5.1	13
68	Integration of machine learning-based prediction for enhanced Model's generalization: Application in photocatalytic polishing of palm oil mill effluent (POME). <i>Environmental Pollution</i> , 2020, 267, 115500.	7.5	17
69	A review over the role of catalysts for selective short-chain polyglycerol production from biodiesel derived waste glycerol. <i>Environmental Technology and Innovation</i> , 2020, 19, 100859.	6.1	48
70	Facile synthesis of CuO/CdS heterostructure photocatalyst for the effective degradation of dye under visible light. <i>Environmental Research</i> , 2020, 188, 109803.	7.5	72
71	Optimum interaction of light intensity and CO ₂ concentration in bioremediating N-rich real wastewater via assimilation into attached microalgal biomass as the feedstock for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2020, 141, 355-365.	5.6	59
72	Role of Calcination Temperatures of ZrO ₂ Support on Methanol Synthesis from CO ₂ Hydrogenation at High Reaction Temperatures over ZnO/ZrO ₂ Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5525-5535.	3.7	81

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73	Photoelectrochemical activity of CuO-CdS heterostructured catalyst for CO ₂ reduction. IOP Conference Series: Materials Science and Engineering, 2020, 736, 042023.	0.6	4
74	Glycerol electro-oxidation to dihydroxyacetone on phosphorous-doped Pd/CNT nanoparticles in alkaline medium. Catalysis Communications, 2020, 139, 105964.	3.3	21
75	Kinetic and CFD Modeling of Exhaust Gas Reforming of Natural Gas in a Catalytic Fixed-Bed Reactor for Spark Ignition Engines. Chemical Engineering and Technology, 2020, 43, 705-718.	1.5	9
76	Pd/CNT Catalysts for Glycerol Electro-oxidation: Effect of Pd Loading on Production of Valuable Chemical Products. Electroanalysis, 2020, 32, 1139-1147.	2.9	14
77	Tuning Interactions of Surface-adsorbed Species over Fe [~] Co/K [~] Al ₂ O ₃ Catalyst by Different K Contents: Selective CO ₂ Hydrogenation to Light Olefins. ChemCatChem, 2020, 12, 3306-3320.	3.7	56
78	Biodiesel synthesized from waste cooking oil in a continuous microwave assisted reactor reduced PM and NOx emissions. Environmental Research, 2020, 185, 109452.	7.5	32
79	Simultaneous removal of toxic ammonia and lettuce cultivation in aquaponic system using microwave pyrolysis biochar. Journal of Hazardous Materials, 2020, 396, 122610.	12.4	81
80	Simultaneous Enhancement of Photocatalytic Bactericidal Activity and Strength Properties of Acrylonitrile-Butadiene-Styrene Plastic Via a Facile Preparation with Silane/TiO ₂ . Polymers, 2020, 12, 917.	4.5	6
81	Vacuum pyrolysis incorporating microwave heating and base mixture modification: An integrated approach to transform biowaste into eco-friendly bioenergy products. Renewable and Sustainable Energy Reviews, 2020, 127, 109871.	16.4	140
82	Recent Advances in Steam Reforming of Glycerol for Syngas Production. , 2020, , 399-425.		8
83	Dry reforming of methane over Ni/dendritic fibrous SBA-15 (Ni/DFSBA-15): Optimization, mechanism, and regeneration studies. International Journal of Hydrogen Energy, 2020, 45, 8507-8525.	7.1	50
84	Glycerol Waste Valorization to Mesoxalic Acid Over a Bimetallic Pt-Pd/CNT Catalyst in Alkaline Medium. Journal of Nanoscience and Nanotechnology, 2020, 20, 5916-5927.	0.9	5
85	Promising hydrothermal technique for efficient CO ₂ methanation over Ni/SBA-15. International Journal of Hydrogen Energy, 2019, 44, 20792-20804.	7.1	39
86	Hydrogen-rich syngas production via steam reforming of palm oil mill effluent (POME) – A thermodynamics analysis. International Journal of Hydrogen Energy, 2019, 44, 20711-20724.	7.1	39
87	Hydrogen production via CO ₂ reforming of CH ₄ over low-cost Ni/SBA-15 from silica-rich palm oil fuel ash (POFA) waste. International Journal of Hydrogen Energy, 2019, 44, 20815-20825.	7.1	26
88	An evaluation of subcritical hydrothermal treatment of end-of-pipe palm oil mill effluent. Heliyon, 2019, 5, e01792.	3.2	7
89	Artificial Intelligence Modelling Approach for the Prediction of CO-Rich Hydrogen Production Rate from Methane Dry Reforming. Catalysts, 2019, 9, 738.	3.5	21
90	Impact of various microalgal-bacterial populations on municipal wastewater bioremediation and its energy feasibility for lipid-based biofuel production. Journal of Environmental Management, 2019, 249, 109384.	7.8	82

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91	Hetero-structure CdS@CuFe ₂ O ₄ as an efficient visible light active photocatalyst for photoelectrochemical reduction of CO ₂ to methanol. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 26271-26284.	7.1	51
92	A Sugarcane-Bagasse-Based Adsorbent Employed for Mitigating Eutrophication Threats and Producing Biodiesel Simultaneously. <i>Processes</i> , 2019, 7, 572.	2.8	11
93	Facile synthesis of CaFe ₂ O ₄ for visible light driven treatment of polluting palm oil mill effluent: Photokinetic and scavenging study. <i>Science of the Total Environment</i> , 2019, 661, 522-530.	8.0	33
94	Selective oxidation of glycerol to mesoxalic acid by laccase/2,2,6,6-tetramethylpiperidine-N-oxyl system: Effect of process conditions and the kinetic modeling. <i>Chemical Engineering Communications</i> , 2019, 206, 1645-1660.	2.6	8
95	TiO ₂ and ZnO photocatalytic treatment of palm oil mill effluent (POME) and feasibility of renewable energy generation: A short review. <i>Journal of Cleaner Production</i> , 2019, 233, 209-225.	9.3	60
96	Potential Protein and Biodiesel Sources from Black Soldier Fly Larvae: Insights of Larval Harvesting Instar and Fermented Feeding Medium. <i>Energies</i> , 2019, 12, 1570.	3.1	64
97	Tuning adsorption properties of GaIn ₂ xO ₃ catalysts for enhancement of methanol synthesis activity from CO ₂ hydrogenation at high reaction temperature. <i>Applied Surface Science</i> , 2019, 489, 278-286.	6.1	40
98	Biofilm re-vitalization using hydrodynamic shear stress for stable power generation in microbial fuel cell. <i>Journal of Electroanalytical Chemistry</i> , 2019, 844, 14-22.	3.8	21
99	Treatment technologies of palm oil mill effluent (POME) and olive mill wastewater (OMW): A brief review. <i>Environmental Technology and Innovation</i> , 2019, 15, 100377.	6.1	114
100	Syngas production via CO ₂ reforming of CH ₄ over Ni-based SBA-15: Promotional effect of promoters (Ce, Mg, and Zr). <i>Materials Today Energy</i> , 2019, 12, 408-417.	4.7	54
101	Syngas from catalytic steam reforming of palm oil mill effluent: An optimization study. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9220-9236.	7.1	37
102	Synthesis and Evaluation of Copper-Supported Titanium Oxide Nanotubes as Electrocatalyst for the Electrochemical Reduction of Carbon Oxide to Organics. <i>Catalysts</i> , 2019, 9, 298.	3.5	26
103	Pore size effects on physicochemical properties of Fe-Co/K-Al ₂ O ₃ catalysts and their catalytic activity in CO ₂ hydrogenation to light olefins. <i>Applied Surface Science</i> , 2019, 483, 581-592.	6.1	61
104	Modeling to enhance attached microalgal biomass growth onto fluidized beds packed in nutrients-rich wastewater whilst simultaneously biofixing CO ₂ into lipid for biodiesel production. <i>Energy Conversion and Management</i> , 2019, 185, 1-10.	9.2	58
105	Harnessing renewable hydrogen-rich syngas from valorization of palm oil mill effluent (POME) using steam reforming technique. <i>Renewable Energy</i> , 2019, 138, 1114-1126.	8.9	39
106	One-pot furfural production using choline chloride-dicarboxylic acid based deep eutectic solvents under mild conditions. <i>Bioresource Technology</i> , 2019, 278, 486-489.	9.6	75
107	Enhanced Biohydrogen Production from Citrus Wastewater Using Anaerobic Sludge Pretreated by an Electroporation Technique. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 573-580.	3.7	21
108	Photoelectrocatalytic Reduction of Carbon Dioxide to Methanol Using CuFe ₂ O ₄ Modified with Graphene Oxide under Visible Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 563-572.	3.7	62

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109	2018 International Conference of Chemical Engineering and Industrial Biotechnology (ICCEIB) Preface. Industrial & Engineering Chemistry Research, 2019, 58, 507-509.	3.7	2
110	Photocatalytic treatment of palm oil mill effluent by visible light-active calcium ferrite: Effects of catalyst preparation technique. Journal of Environmental Management, 2019, 234, 404-411.	7.8	31
111	Surfactant assisted CaO-based sorbent synthesis and their application to high-temperature CO ₂ capture. Powder Technology, 2019, 344, 208-221.	4.2	19
112	Synthesis and characterization of a La Ni _{1/2} -Al ₂ O ₃ catalyst and its use in pyrolysis of glycerol to syngas. Renewable Energy, 2019, 132, 1389-1401.	8.9	25
113	Optimization of renewable hydrogen-rich syngas production from catalytic reforming of greenhouse gases (CH ₄ and CO ₂) over calcium iron oxide supported nickel catalyst. Journal of the Energy Institute, 2019, 92, 177-194.	5.3	30
114	An assessment of the longevity of samarium cobalt trioxide perovskite catalyst during the conversion of greenhouse gases into syngas. Journal of Cleaner Production, 2018, 185, 576-587.	9.3	13
115	An Insight of Synergy between <i>Pseudomonas aeruginosa</i> and <i>Klebsiella variicola</i> in a Microbial Fuel Cell. ACS Sustainable Chemistry and Engineering, 2018, 6, 4130-4137.	6.7	54
116	Enhanced Current Generation Using Mutualistic Interaction of Yeast-Bacterial Coculture in Dual Chamber Microbial Fuel Cell. Industrial & Engineering Chemistry Research, 2018, 57, 813-821.	3.7	46
117	Production of activated carbon as catalyst support by microwave pyrolysis of palm kernel shell: a comparative study of chemical versus physical activation. Research on Chemical Intermediates, 2018, 44, 3849-3865.	2.7	101
118	Pyrolysis production of fruit peel biochar for potential use in treatment of palm oil mill effluent. Journal of Environmental Management, 2018, 213, 400-408.	7.8	135
119	Oil palm waste: An abundant and promising feedstock for microwave pyrolysis conversion into good quality biochar with potential multi-applications. Chemical Engineering Research and Design, 2018, 115, 57-69.	5.6	234
120	Recent Advances in Photocatalytic Treatment of Palm Oil Mill Effluent (POME): A Review. International Journal of Engineering and Technology(UAE), 2018, 7, 389.	0.3	0
121	Photoelectrochemical reduction of carbon dioxide to methanol on p-type CuFe ₂ O ₄ under visible light irradiation. International Journal of Hydrogen Energy, 2018, 43, 18185-18193.	7.1	55
122	Optimization of co-culture inoculated microbial fuel cell performance using response surface methodology. Journal of Environmental Management, 2018, 225, 242-251.	7.8	41
123	Experimental evaluation and empirical modelling of palm oil mill effluent steam reforming. International Journal of Hydrogen Energy, 2018, 43, 15784-15793.	7.1	18
124	Production of value-added liquid fuel via microwave co-pyrolysis of used frying oil and plastic waste. Energy, 2018, 162, 309-317.	8.8	116
125	Microwave pyrolysis with KOH/NaOH mixture activation: A new approach to produce micro-mesoporous activated carbon for textile dye adsorption. Bioresource Technology, 2018, 266, 1-10.	9.6	213
126	Syngas Production from Catalytic CO ₂ Reforming of CH ₄ over CaFe ₂ O ₄ Supported Ni and Co Catalysts: Full Factorial Design Screening. Bulletin of Chemical Reaction Engineering and Catalysis, 2018, 13, 57-73.	1.1	10

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127	Electrochemical Study of Copper Ferrite as a Catalyst for CO ₂ Photoelectrochemical Reduction. Bulletin of Chemical Reaction Engineering and Catalysis, 2018, 13, 236.	1.1	9
128	Augmentation of air cathode microbial fuel cell performance using wild type <i>Klebsiella variicola</i> . RSC Advances, 2017, 7, 4798-4805.	3.6	50
129	Modelling and optimization of syngas production by methane dry reforming over samarium oxide supported cobalt catalyst: response surface methodology and artificial neural networks approach. Clean Technologies and Environmental Policy, 2017, 19, 1181-1193.	4.1	36
130	Catalytic pyrolysis of glycerol into syngas over ceria-promoted Ni \pm -Al ₂ O ₃ catalyst. Renewable Energy, 2017, 107, 223-234.	8.9	28
131	Catalytic conversion of methane and carbon dioxide (greenhouse gases) into syngas over samarium-cobalt-trioxides perovskite catalyst. Journal of Cleaner Production, 2017, 148, 202-211.	9.3	37
132	Restoration of liquid effluent from oil palm agroindustry in Malaysia using UV/TiO ₂ and UV/ZnO photocatalytic systems: A comparative study. Journal of Environmental Management, 2017, 196, 674-680.	7.8	42
133	Electrogenic and Antimethanogenic Properties of <i>Bacillus cereus</i> for Enhanced Power Generation in Anaerobic Sludge-Driven Microbial Fuel Cells. Energy & Fuels, 2017, 31, 6132-6139.	5.1	52
134	Ultrasound Driven Biofilm Removal for Stable Power Generation in Microbial Fuel Cell. Energy & Fuels, 2017, 31, 968-976.	5.1	44
135	Catalytic ethylene production from ethanol dehydration over non-modified and phosphoric acid modified Zeolite H-Y (80) catalysts. Fuel Processing Technology, 2017, 158, 85-95.	7.2	36
136	Syngas production via methane dry reforming: A novel application of SmCoO ₃ perovskite catalyst. Journal of Natural Gas Science and Engineering, 2017, 37, 435-448.	4.4	33
137	Correlation of power generation with time-course biofilm architecture using <i>Klebsiella variicola</i> in dual chamber microbial fuel cell. International Journal of Hydrogen Energy, 2017, 42, 25933-25941.	7.1	26
138	Kinetics and mechanistic studies of CO-rich hydrogen production by CH ₄ /CO ₂ reforming over Praseodymia supported cobalt catalysts. International Journal of Hydrogen Energy, 2017, 42, 28408-28424.	7.1	12
139	Modeling of thermally-coupled monolithic membrane reformer for vehicular hydrogen production. International Journal of Hydrogen Energy, 2017, 42, 26308-26319.	7.1	4
140	Photocatalytic restoration of liquid effluent from oil palm agroindustry in Malaysia using tungsten oxides catalyst. Journal of Cleaner Production, 2017, 162, 205-219.	9.3	50
141	Photocatalytic degradation of palm oil mill effluent over ultraviolet-responsive titania: Successive assessments of significance factors and process optimization. Journal of Cleaner Production, 2017, 142, 2073-2083.	9.3	31
142	Renewable syngas production from thermal cracking of glycerol over praseodymium-promoted Ni/Al ₂ O ₃ catalyst. Applied Thermal Engineering, 2017, 112, 871-880.	6.0	15
143	Greenhouse gases mitigation by CO ₂ reforming of methane to hydrogen-rich syngas using praseodymium oxide supported cobalt catalyst. Clean Technologies and Environmental Policy, 2017, 19, 795-807.	4.1	18
144	Hydrogen Production From catalytic reforming of greenhouse gases (CO ₂ and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td Environmental Management, 2017, 21, 1051.	0.1	0

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