

Cherng-Yuan Lin

List of Publications by Year in descending order

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41
papers

1,779
citations

430874

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276875

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all docs

42
docs citations

42
times ranked

1555
citing authors

#	ARTICLE	IF	CITATIONS
1	Engine performance and emission characteristics of marine fish-oil biodiesel produced from the discarded parts of marine fish. <i>Fuel Processing Technology</i> , 2009, 90, 883-888.	7.2	199
2	Diesel engine performance and emission characteristics of biodiesel produced by the peroxidation process. <i>Fuel</i> , 2006, 85, 298-305.	6.4	180
3	Fuel properties of biodiesel produced from the crude fish oil from the soapstock of marine fish. <i>Fuel Processing Technology</i> , 2009, 90, 130-136.	7.2	168
4	Comparison of fuel properties and emission characteristics of two- and three-phase emulsions prepared by ultrasonically vibrating and mechanically homogenizing emulsification methods. <i>Fuel</i> , 2008, 87, 2154-2161.	6.4	147
5	Engine performance and emission characteristics of a three-phase emulsion of biodiesel produced by peroxidation. <i>Fuel Processing Technology</i> , 2007, 88, 35-41.	7.2	131
6	Development perspectives of promising lignocellulose feedstocks for production of advanced generation biofuels: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 136, 110445.	16.4	119
7	Effects of emulsification variables on fuel properties of two- and three-phase biodiesel emulsions. <i>Fuel</i> , 2007, 86, 210-217.	6.4	118
8	Emulsification characteristics of three- and two-phase emulsions prepared by the ultrasonic emulsification method. <i>Fuel Processing Technology</i> , 2006, 87, 309-317.	7.2	115
9	The fuel properties of three-phase emulsions as an alternative fuel for diesel engines. <i>Fuel</i> , 2003, 82, 1367-1375.	6.4	106
10	Analysis of suspension and heat transfer characteristics of Al ₂ O ₃ nanofluids prepared through ultrasonic vibration. <i>Applied Energy</i> , 2011, 88, 4527-4533.	10.1	86
11	Fuel Characteristics of Biodiesel Produced from a High-Acid Oil from Soybean Soapstock by Supercritical-Methanol Transesterification. <i>Energies</i> , 2012, 5, 2370-2380.	3.1	64
12	Burning characteristics of palm-oil biodiesel under long-term storage conditions. <i>Energy Conversion and Management</i> , 2010, 51, 1464-1467.	9.2	37
13	Effects of Oxidation during Long-term Storage on the Fuel Properties of Palm Oil-based Biodiesel. <i>Energy & Fuels</i> , 2009, 23, 3285-3289.	5.1	34
14	Fuel properties of biodiesel produced from <i>Camellia oleifera</i> Abel oil through supercritical-methanol transesterification. <i>Fuel</i> , 2011, 90, 2240-2244.	6.4	32
15	Application of mesoporous catalysts over palm-oil biodiesel for adjusting fuel properties. <i>Energy Conversion and Management</i> , 2012, 53, 128-134.	9.2	29
16	Effects of Diesel Engine Speed and Water Content on Emission Characteristics of Three-Phase Emulsions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 1345-1359.	1.7	25
17	Effects of Biodiesel Blend on Marine Fuel Characteristics for Marine Vessels. <i>Energies</i> , 2013, 6, 4945-4955.	3.1	24
18	Cost-benefit evaluation of using biodiesel as an alternative fuel for fishing boats in Taiwan. <i>Marine Policy</i> , 2012, 36, 103-107.	3.2	23

#	ARTICLE	IF	CITATIONS
19	Cost-Benefit Evaluation on Promising Strategies in Compliance with Low Sulfur Policy of IMO. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 3.	2.6	18
20	Influences of Water Content in Feedstock Oil on Burning Characteristics of Fatty Acid Methyl Esters. <i>Processes</i> , 2020, 8, 1130.	2.8	17
21	Emulsification characteristics of three-phase emulsion of biodiesel-in nitromethane-in-diesel prepared by microwave irradiation. <i>Fuel</i> , 2015, 158, 50-56.	6.4	12
22	Strategies for the Low Sulfur Policy of IMO—An Example of a Container Vessel Sailing through a European Route. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1383.	2.6	10
23	Thermal Performance of a Vapor Chamber-Based Plate of High-Power Light-Emitting Diodes Filled with Al ₂ O ₃ /SiO ₂ /Si Nanofluid. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2871-2878.	0.9	9
24	Emulsification characteristics of nano-emulsions of solketal in diesel prepared using microwave irradiation. <i>Fuel</i> , 2018, 221, 165-170.	6.4	8
25	Comparison of the Fuel Properties of Nitromethane Emulsions in Diesel and Biodiesel Assisted by Microwave Irradiation and Magnetic Stirring. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 1334-1340.	2.4	6
26	Fluid Characteristics of Biodiesel Produced from Palm Oil with Various Initial Water Contents. <i>Processes</i> , 2021, 9, 309.	2.8	6
27	Correlation of Black Smoke and Nitrogen Oxides Emissions Through Field Testing of in-Use Diesel Vehicles. <i>Environmental Monitoring and Assessment</i> , 2006, 116, 291-305.	2.7	5
28	Comparison of lipid and biodiesel properties of <i>Chaetoceros muelleri</i> cultured in deep sea water and surface sea water. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	5
29	Comparison of Engine Performance between Nano- and Microemulsions of Solketal Droplets Dispersed in Diesel Assisted by Microwave Irradiation. <i>Molecules</i> , 2019, 24, 3497.	3.8	5
30	Effects of Water Removal from Palm Oil Reactant by Electrolysis on the Fuel Properties of Biodiesel. <i>Processes</i> , 2022, 10, 115.	2.8	5
31	Emission of Burning Emulsified Diesel Oil with Sodium Sulfate in Salty Atmospheric Air. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 2943-2954.	1.7	4
32	Influences of Calcium Oxide Content in Marine Fuel Oil on Emission Characteristics of Marine Furnaces Under Varying Humidity and Temperature of the Inlet Air. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 281-297.	1.7	4
33	Blending Biodiesel in Fishing Boat Fuels for Improved Fuel Characteristics. <i>Frontiers in Energy Research</i> , 2014, 2, .	2.3	4
34	Effects of LED irradiation and sea water culture on the lipid characteristics of <i>Nannochloropsis oculata</i> . <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, 023102.	2.0	4
35	Influences of combustion improver content and motionless time on the stability of two-phase emulsions. <i>Particulate Science and Technology</i> , 2018, 36, 91-95.	2.1	4
36	Comparison of Fuel Properties of Nanoemulsions of Diesel Fuel Dispersed with Solketal by Microwave Irradiation and Mechanical Homogenization Methods. <i>Energy & Fuels</i> , 2018, 32, 11814-11820.	5.1	4

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37	Investigation on Improving Strategies for Navigation Safety in the Offshore Wind Farm in Taiwan Strait. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1448.	2.6	4
38	EFFECTS OF Da AND Re ON PREMIXED FLAME SPEED. <i>Chemical Engineering Communications</i> , 1996, 155, 65-72.	2.6	2
39	Emission characteristics of a diesel engine fueled with nanoemulsions of continuous diesel dispersed with solketal droplets. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 224-229.	1.7	2
40	Comparison of Water-Removal Efficiency of Molecular Sieves Vibrating by Rotary Shaking and Electromagnetic Stirring from Feedstock Oil for Biofuel Production. <i>Fermentation</i> , 2021, 7, 132.	3.0	2
41	Promising Strategies for the Reduction of Pollutant Emissions from Working Vessels in Offshore Wind Farms: The Example of Taiwan. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 621.	2.6	2