

Teuku Meurah Indra Riayatsyah

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Current Progress of <i>Jatropha Curcas</i> Commoditisation as Biodiesel Feedstock: A Comprehensive Review. <i>Frontiers in Energy Research</i> , 2022, 9, .	2.3	24
2	Techno-Economic Analysis and Optimisation of Campus Grid-Connected Hybrid Renewable Energy System Using HOMER Grid. <i>Sustainability</i> , 2022, 14, 7735.	3.2	31
3	Biodiesel Production from <i>Reutealis trisperma</i> Oil Using Conventional and Ultrasonication through Esterification and Transesterification. <i>Sustainability</i> , 2021, 13, 3350.	3.2	14
4	Optimization of sugar production from Durian seeds via alkaline hydrolysis for second-generation bioethanol production. <i>Clean Energy</i> , 2021, 5, 375-386.	3.2	3
5	The effect of gasoline-waste plastics oil blends on SI engine performance at high-speed rotation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012002.	0.3	2
6	The Potential Plastic Oil Production from Plastics Waste (PET and LDPE) in Aceh, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 505, 012027.	0.3	0
7	Experimental Study on the Performance of an SI Engine Fueled by Waste Plastic Pyrolysis Oilâ€“Gasoline Blends. <i>Energies</i> , 2020, 13, 4196.	3.1	14
8	Mathematical Modelling and Operational Analysis of Combined Verticalâ€“Horizontal Heat Exchanger for Shallow Geothermal Energy Application in Cooling Mode. <i>Energies</i> , 2020, 13, 6598.	3.1	4
9	A new approach to modelling of seasonal soil temperature fluctuations and their impact on the performance of a shallow borehole heat exchanger. <i>Case Studies in Thermal Engineering</i> , 2020, 22, 100781.	5.7	9
10	Effect of Ethanol and Gasoline Blending on the Performance of a Stationary Small Single Cylinder Engine. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 5793-5802.	3.0	26
11	Techno-Economic Analysis and Physicochemical Properties of <i>Ceiba pentandra</i> as Second-Generation Biodiesel Based on ASTM D6751 and EN 14214. <i>Processes</i> , 2019, 7, 636.	2.8	20
12	Methodology for implementing power plant efficiency standards for power generation: potential emission reduction. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 309-327.	4.1	18
13	A comparative study of biodiesel production methods for <i>Reutealis trisperma</i> biodiesel. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 2006-2014.	2.3	71
14	Life Cycle Cost and Sensitivity Analysis of <i>Reutealis trisperma</i> as Non-Edible Feedstock for Future Biodiesel Production. <i>Energies</i> , 2017, 10, 877.	3.1	26
15	Techno-economic analysis of bioethanol production from rice straw by liquid-state fermentation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 32, 012048.	0.3	3
16	The effect of dilute acid pre-treatment process in bioethanol production from durian (<i>Durio</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	0.3	10