

Teuku Meurah Indra Mahlia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

327 papers	16,686 citations	69 h-index	118 g-index
344 ext. papers	20,127 ext. citations	7.3 avg, IF	7.35 L-index

#	Paper	IF	Citations
327	Heavy metal toxicity, sources, and remediation techniques for contaminated water and soil. <i>Environmental Technology and Innovation</i> , 2022 , 25, 102114	7	6
326	Grid-connected lithium-ion battery energy storage system: A bibliometric analysis for emerging future directions. <i>Journal of Cleaner Production</i> , 2022 , 334, 130272	10.3	5
325	Simultaneous nutrient recovery and algal biomass production from anaerobically digested sludge centrate using a membrane photobioreactor. <i>Bioresource Technology</i> , 2022 , 343, 126069	11	3
324	Pyrolysis of waste oils for the production of biofuels: A critical review. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127396	12.8	7
323	Microalgae biomass as a sustainable source for biofuel, biochemical and biobased value-added products: An integrated biorefinery concept. <i>Fuel</i> , 2022 , 307, 121782	7.1	56
322	Microgrid control methods toward achieving sustainable energy management: A bibliometric analysis for future directions. <i>Journal of Cleaner Production</i> , 2022 , 348, 131340	10.3	2
321	Insights into the development of microbial fuel cells for generating biohydrogen, bioelectricity, and treating wastewater. <i>Energy</i> , 2022 , 124163	7.9	1
320	Microalgae-bacteria consortium for wastewater treatment and biomass production.. <i>Science of the Total Environment</i> , 2022 , 155871	10.2	4
319	The effect of enzymatic hydrolysis of pretreated wastepaper for bioethanol production. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 2493	2.8	
318	Selection of microalgae strains for sustainable production of aviation biofuel. <i>Bioresource Technology</i> , 2021 , 345, 126408	11	3
317	Progress in Development of Nanostructured Manganese Oxide as Catalyst for Oxygen Reduction and Evolution Reaction. <i>Energies</i> , 2021 , 14, 6385	3.1	1
316	Biohydrogen production from wastewater-based microalgae: Progresses and challenges. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	6
315	Utilizing heat pipe heat exchanger to reduce the energy consumption of airborne infection isolation hospital room HVAC system. <i>Journal of Building Engineering</i> , 2021 , 35, 102116	5.2	8
314	Biodiesel Production from Reutealis trisperma Oil Using Conventional and Ultrasonication through Esterification and Transesterification. <i>Sustainability</i> , 2021 , 13, 3350	3.6	5
313	Source, distribution and emerging threat of micro- and nanoplastics to marine organism and human health: Socio-economic impact and management strategies. <i>Environmental Research</i> , 2021 , 195, 110857	7.9	31
312	Intelligent algorithms and control strategies for battery management system in electric vehicles: Progress, challenges and future outlook. <i>Journal of Cleaner Production</i> , 2021 , 292, 126044	10.3	44
311	The Way towards an Energy Efficient Transportation by Implementation of Fuel Economy Standards: Fuel Savings and Emissions Mitigation. <i>Sustainability</i> , 2021 , 13, 7348	3.6	

310	Scheduling controller for microgrids energy management system using optimization algorithm in achieving cost saving and emission reduction. <i>Applied Energy</i> , 2021 , 292, 116883	10.7	24
309	A Comprehensive Review on the Recent Development of Ammonia as a Renewable Energy Carrier. <i>Energies</i> , 2021 , 14, 3732	3.1	7
308	Effect of Injection Timing and Injection Duration of Manifold Injected Fuels in Reactivity Controlled Compression Ignition Engine Operated with Renewable Fuels. <i>Energies</i> , 2021 , 14, 4621	3.1	2
307	State-of-the-Art of Establishing Test Procedures for Real Driving Gaseous Emissions from Light- and Heavy-Duty Vehicles. <i>Energies</i> , 2021 , 14, 4195	3.1	5
306	Recent Progress in Low-Cost Catalysts for Pyrolysis of Plastic Waste to Fuels. <i>Catalysts</i> , 2021 , 11, 837	4	17
305	Multi-stage heat-pipe heat exchanger for improving energy efficiency of the HVAC system in a hospital operating room 1. <i>International Journal of Low-Carbon Technologies</i> , 2021 , 16, 259-267	2.8	4
304	Effect of nanocatalysts on the transesterification reaction of first, second and third generation biodiesel sources- A mini-review. <i>Chemosphere</i> , 2021 , 270, 128642	8.4	41
303	Impact of COVID-19 on the social, economic, environmental and energy domains: Lessons learnt from a global pandemic. <i>Sustainable Production and Consumption</i> , 2021 , 26, 343-359	8.2	178
302	Recent advances in biodiesel production from agricultural products and microalgae using ionic liquids: Opportunities and challenges. <i>Energy Conversion and Management</i> , 2021 , 228, 113647	10.6	53
301	A comprehensive review on anaerobic digestion of organic fraction of municipal solid waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 137, 110637	16.2	86
300	A ranking scheme for biodiesel underpinned by critical physicochemical properties. <i>Energy Conversion and Management</i> , 2021 , 229, 113742	10.6	13
299	Investigation of correlation between chemical composition and properties of biodiesel using principal component analysis (PCA) and artificial neural network (ANN). <i>Renewable Energy</i> , 2021 , 168, 632-646	8.1	24
298	Optimization of ultrasound-assisted oil extraction from <i>Canarium odontophyllum</i> kernel as a novel biodiesel feedstock. <i>Journal of Cleaner Production</i> , 2021 , 288, 125563	10.3	26
297	Exergetic sustainability analysis of industrial furnace: a case study. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 12881-12888	5.1	4
296	Withering of tea leaves using heat pipe heat exchanger by utilizing low-temperature geothermal energy. <i>International Journal of Low-Carbon Technologies</i> , 2021 , 16, 146-155	2.8	1
295	Utilization of Renewable Energy for Power Sector in Yemen: Current Status and Potential Capabilities. <i>IEEE Access</i> , 2021 , 9, 79278-79292	3.5	1
294	Edible bio-oil production from microalgae and application of nano-technology 2021 , 91-116		1
293	Intelligent Controllers and Optimization Algorithms for Building Energy Management Towards Achieving Sustainable Development: Challenges and Prospects. <i>IEEE Access</i> , 2021 , 9, 41577-41602	3.5	10

292	Harvesting Porphyridium purpureum using polyacrylamide polymers and alkaline bases and their impact on biomass quality. <i>Science of the Total Environment</i> , 2021 , 755, 142412	10.2	5
291	Techno-Economic Analysis and Environmental Impact of Electric Buses. <i>World Electric Vehicle Journal</i> , 2021 , 12, 31	2.5	8
290	Experimental analysis of natural wax as phase change material by thermal cycling test using thermoelectric system. <i>Journal of Energy Storage</i> , 2021 , 40, 102703	7.8	0
289	Bioethanol production from forest residues and life cycle cost analysis of bioethanol-gasoline blend on transportation sector. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105542	6.8	10
288	Bioenergy recovery potential through the treatment of the meat processing industry waste in Australia. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105657	6.8	5
287	Recent developments in physical, biological, chemical, and hybrid treatment techniques for removing emerging contaminants from wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125912	12.8	69
286	Leverage of Environmental Pollutant Crump Rubber on the Dry Sliding Wear Response of Epoxy Composites. <i>Polymers</i> , 2021 , 13,	4.5	7
285	Biogas upgrading, economy and utilization: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 4137	13.3	13
284	Heat Transfer and Entropy in a Vertical Porous Plate Subjected to Suction Velocity and MHD. <i>Entropy</i> , 2021 , 23,	2.8	1
283	Energy storage integration towards achieving grid decarbonization: A bibliometric analysis and future directions. <i>Journal of Energy Storage</i> , 2021 , 41, 102855	7.8	13
282	SARS-CoV-2 variants and environmental effects of lockdowns, masks and vaccination: a review. <i>Environmental Chemistry Letters</i> , 2021 , 1-12	13.3	4
281	Cultivation of <i>Synechococcus</i> HS-9 in a novel rectangular bubble column photobioreactor with horizontal baffle. <i>Case Studies in Thermal Engineering</i> , 2021 , 27, 101264	5.6	1
280	Battery energy-storage system: A review of technologies, optimization objectives, constraints, approaches, and outstanding issues. <i>Journal of Energy Storage</i> , 2021 , 42, 103023	7.8	39
279	Deep learning approach towards accurate state of charge estimation for lithium-ion batteries using self-supervised transformer model. <i>Scientific Reports</i> , 2021 , 11, 19541	4.9	4
278	Optimization algorithms for energy storage integrated microgrid performance enhancement. <i>Journal of Energy Storage</i> , 2021 , 43, 103182	7.8	2
277	Impact of renewable energy utilization and artificial intelligence in achieving sustainable development goals. <i>Energy Reports</i> , 2021 , 7, 5359-5373	4.6	12
276	Integration of Phase Change Material in the Design of Solar Concentrator-Based Water Heating System.. <i>Entropy</i> , 2021 , 24,	2.8	1
275	Particle swarm optimised fuzzy controller for charging&discharging and scheduling of battery energy storage system in MG applications. <i>Energy Reports</i> , 2020 , 6, 215-228	4.6	14

274	Current and future strategies for spent nuclear fuel management in Indonesia. <i>Energy Strategy Reviews</i> , 2020 , 32, 100575	9.8	2
273	Prospect of using rice straw for power generation: a review. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 25956-25969	5.1	22
272	Insight into the Sustainable Integration of Bio- and Petroleum Refineries for the Production of Fuels and Chemicals. <i>Polymers</i> , 2020 , 12,	4.5	6
271	Performance of beeswax phase change material (PCM) and heat pipe as passive battery cooling system for electric vehicles. <i>Case Studies in Thermal Engineering</i> , 2020 , 21, 100655	5.6	46
270	Evaluating in-use vehicle emissions using air quality monitoring stations and on-road remote sensing systems. <i>Science of the Total Environment</i> , 2020 , 740, 139868	10.2	17
269	State of the Art of Catalysts for Biodiesel Production. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	98
268	Catalyst Characteristics and Performance of Silica-Supported Zinc for Hydrodeoxygenation of Phenol. <i>Energies</i> , 2020 , 13, 2802	3.1	1
267	Physicochemical Properties of Biodiesel Synthesised from Grape Seed, Philippine Tung, Kesambi, and Palm Oils. <i>Energies</i> , 2020 , 13, 1319	3.1	20
266	State of art review on conventional and advanced pyrolysis of macroalgae and microalgae for biochar, bio-oil and bio-syngas production. <i>Energy Conversion and Management</i> , 2020 , 210, 112707	10.6	131
265	Toward Enhanced State of Charge Estimation of Lithium-ion Batteries Using Optimized Machine Learning Techniques. <i>Scientific Reports</i> , 2020 , 10, 4687	4.9	54
264	Impregnation of CaO from Eggshell Waste with Magnetite as a Solid Catalyst (Fe ₃ O ₄ /CaO) for Transesterification of Palm Oil Off-Grade. <i>Catalysts</i> , 2020 , 10, 164	4	21
263	Resource Recovery from Waste Coffee Grounds Using Ultrasonic-Assisted Technology for Bioenergy Production. <i>Energies</i> , 2020 , 13, 1770	3.1	14
262	Techno-Economic Analysis of CO ₂ Capture Technologies in Offshore Natural Gas Field: Implications to Carbon Capture and Storage in Malaysia. <i>Processes</i> , 2020 , 8, 350	2.9	11
261	A Comparative Study of Virgin Coconut Oil, Coconut Oil and Palm Oil in Terms of Their Active Ingredients. <i>Processes</i> , 2020 , 8, 402	2.9	5
260	Recent progress in integrated fixed-film activated sludge process for wastewater treatment: A review. <i>Journal of Environmental Management</i> , 2020 , 268, 110718	7.9	50
259	Patent landscape review on biodiesel production: Technology updates. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 118, 109526	16.2	200
258	Grid-connected renewable energy sources: Review of the recent integration requirements and control methods. <i>Journal of Cleaner Production</i> , 2020 , 253, 119831	10.3	102
257	Effect of membrane properties on tilted panel performance of microalgae biomass filtration for biofuel feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 120, 109666	16.2	26

256	Waste collection route optimisation model for linking cost saving and emission reduction to achieve sustainable development goals. <i>Sustainable Cities and Society</i> , 2020 , 62, 102393	10.1	31
255	Synthesis and characterization of rice husk biochar via hydrothermal carbonization for wastewater treatment and biofuel production. <i>Scientific Reports</i> , 2020 , 10, 18851	4.9	26
254	Thermal properties of sonicated graphene in coconut oil as a phase change material for energy storage in building applications ¹ . <i>International Journal of Low-Carbon Technologies</i> , 2020 , 15, 629-636	2.8	2
253	Alternative Briquette Material Made from Palm Stem Biomass Mediated by Glycerol Crude of Biodiesel Byproducts as a Natural Adhesive. <i>Processes</i> , 2020 , 8, 777	2.9	7
252	Pyrolysis of solid waste residues from Lemon Myrtle essential oils extraction for bio-oil production. <i>Bioresource Technology</i> , 2020 , 318, 123913	11	18
251	Role of optimization algorithms based fuzzy controller in achieving induction motor performance enhancement. <i>Nature Communications</i> , 2020 , 11, 3792	17.4	11
250	Lipid Extraction Maximization and Enzymatic Synthesis of Biodiesel from Microalgae. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6103	2.6	14
249	Feasibility of microalgae as feedstock for alternative fuel in Malaysia: A review. <i>Energy Strategy Reviews</i> , 2020 , 32, 100536	9.8	28
248	Fuzzy Based Particle Swarm Optimization for Modeling Home Appliances Towards Energy Saving and Cost Reduction Under Demand Response Consideration. <i>IEEE Access</i> , 2020 , 8, 210784-210799	3.5	10
247	Energy Efficiency Analysis in Building Walls in Tropical Climate Using Thermal Insulation System 2020 , 255-261		1
246	Biodiesel synthesis from Ceiba pentandra oil by microwave irradiation-assisted transesterification: ELM modeling and optimization. <i>Renewable Energy</i> , 2020 , 146, 1278-1291	8.1	133
245	Organic Rankine Cycle (ORC) System Applications for Solar Energy: Recent Technological Advances. <i>Energies</i> , 2019 , 12, 2930	3.1	19
244	The Performance and Exhaust Emissions of a Diesel Engine Fuelled with Calophyllum inophyllumBalm Biodiesel. <i>Processes</i> , 2019 , 7, 597	2.9	14
243	Phase Change Materials (PCM) for Solar Energy Usages and Storage: An Overview. <i>Energies</i> , 2019 , 12, 3167	3.1	108
242	Impact of biodiesel application on fuel savings and emission reduction for power generation in Malaysia. <i>Energy Procedia</i> , 2019 , 158, 3325-3330	2.3	4
241	Life cycle assessment, energy balance and sensitivity analysis of bioethanol production from microalgae in a tropical country. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 115, 109371	16.2	53
240	Performance and Emission Parameters of Homogeneous Charge Compression Ignition (HCCI) Engine: A Review. <i>Energies</i> , 2019 , 12, 3557	3.1	23
239	Finned spacer for efficient membrane fouling control in produced water filtration. <i>Journal of Environmental Management</i> , 2019 , 249, 109359	7.9	10

238	Mechanical and Thermal Properties of Montmorillonite-Reinforced Polypropylene/Rice Husk Hybrid Nanocomposites. <i>Polymers</i> , 2019 , 11,	4.5	18
237	The Effect of Multi-Walled Carbon Nanotubes-Additive in Physicochemical Property of Rice Brand Methyl Ester: Optimization Analysis. <i>Energies</i> , 2019 , 12, 3291	3.1	11
236	Techno-economics and Sensitivity Analysis of Microalgae as Commercial Feedstock for Bioethanol Production. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, 13157	2.5	37
235	Development of A Novel Corrugated Polyvinylidene difluoride Membrane via Improved Imprinting Technique for Membrane Distillation. <i>Polymers</i> , 2019 , 11,	4.5	24
234	Latest development in microalgae-biofuel production with nano-additives. <i>Biotechnology for Biofuels</i> , 2019 , 12, 125	7.8	91
233	Optimization of HVAC system energy consumption in a building using artificial neural network and multi-objective genetic algorithm. <i>Sustainable Energy Technologies and Assessments</i> , 2019 , 35, 48-57	4.7	72
232	Progress in physicochemical parameters of microalgae cultivation for biofuel production. <i>Critical Reviews in Biotechnology</i> , 2019 , 39, 835-859	9.4	43
231	Techno-Economic and Sensitivity Analysis of Rainwater Harvesting System as Alternative Water Source. <i>Sustainability</i> , 2019 , 11, 2365	3.6	10
230	Development of a novel thermoelectric module based device for thermal stability measurement of phase change materials. <i>Journal of Energy Storage</i> , 2019 , 22, 331-335	7.8	5
229	Palm oil and its wastes as bioenergy sources: a comprehensive review. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 14849-14866	5.1	56
228	Comparison of the Utilization of 110 °C and 120 °C Heat Sources in a Geothermal Energy System Using Organic Rankine Cycle (ORC) with R245fa, R123, and Mixed-Ratio Fluids as Working Fluids. <i>Processes</i> , 2019 , 7, 113	2.9	11
227	Sustainability of direct biodiesel synthesis from microalgae biomass: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 107, 59-74	16.2	190
226	Biodiesel production from Calophyllum inophyllum-Ceiba pentandra oil mixture: Optimization and characterization. <i>Journal of Cleaner Production</i> , 2019 , 219, 183-198	10.3	140
225	Elemental, morphological and thermal analysis of mixed microalgae species from drain water. <i>Renewable Energy</i> , 2019 , 131, 617-624	8.1	63
224	Glycerol to Solketal For Fuel Additive: Recent Progress in Heterogeneous Catalysts. <i>Energies</i> , 2019 , 12, 2872	3.1	23
223	. <i>IEEE Access</i> , 2019 , 7, 98565-98578	3.5	15
222	Experimental Investigation, Techno-Economic Analysis and Environmental Impact of Bioethanol Production from Banana Stem. <i>Energies</i> , 2019 , 12, 3947	3.1	16
221	Membrane Surface Patterning as a Fouling Mitigation Strategy in Liquid Filtration: A Review. <i>Polymers</i> , 2019 , 11,	4.5	27

220	Techno-Economic Analysis and Physicochemical Properties of Ceiba pentandra as Second-Generation Biodiesel Based on ASTM D6751 and EN 14214. <i>Processes</i> , 2019 , 7, 636	2.9	11
219	Energy-Related CO2 Emissions Growth in ASEAN Countries: Trends, Drivers and Policy Implications. <i>Energies</i> , 2019 , 12, 4650	3.1	18
218	Optimization of Cerbera manghas Biodiesel Production Using Artificial Neural Networks Integrated with Ant Colony Optimization. <i>Energies</i> , 2019 , 12, 3811	3.1	11
217	The Yield Prediction of Synthetic Fuel Production from Pyrolysis of Plastic Waste by Levenberg-Marquardt Approach in Feedforward Neural Networks Model. <i>Polymers</i> , 2019 , 11,	4.5	11
216	Potential of Rice Industry Biomass as a Renewable Energy Source. <i>Energies</i> , 2019 , 12, 4116	3.1	24
215	Production Process and Optimization of Solid Bioethanol from Empty Fruit Bunches of Palm Oil Using Response Surface Methodology. <i>Processes</i> , 2019 , 7, 715	2.9	11
214	Geochemistry Exploration and Geothermometry Application in the North Zone of Seulawah Agam, Aceh Besar District, Indonesia. <i>Energies</i> , 2019 , 12, 4442	3.1	18
213	Preparation of beeswax/multi-walled carbon nanotubes as novel shape-stable nanocomposite phase-change material for thermal energy storage. <i>Journal of Energy Storage</i> , 2019 , 21, 32-39	7.8	67
212	Intensification of Reutealis trisperma biodiesel production using infrared radiation: Simulation, optimisation and validation. <i>Renewable Energy</i> , 2019 , 133, 520-527	8.1	75
211	Experimental investigation of energy properties for Stigonematales sp. microalgae as potential biofuel feedstock. <i>International Journal of Sustainable Engineering</i> , 2019 , 12, 123-130	3.1	19
210	Turbine Design for Low Heat Organic Rankine Cycle Power Generation using Renewable Energy Sources. <i>MATEC Web of Conferences</i> , 2018 , 164, 01012	0.3	3
209	Thermal characteristic investigation of eutectic composite fatty acid as heat storage material for solar heating and cooling application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 334, 012017	0.4	
208	Experimental analysis of using beeswax as phase change materials for limiting temperature rise in building integrated photovoltaics. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 223-227	5.6	23
207	A review on the engine performance and exhaust emission characteristics of diesel engines fueled with biodiesel blends. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 15307-15325	5.1	92
206	Methodology for implementing power plant efficiency standards for power generation: potential emission reduction. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 309-327	4.3	12
205	Experimental Investigation of Air Conditioner using the Desiccant Cooling System in Equatorial Climates. <i>MATEC Web of Conferences</i> , 2018 , 164, 01022	0.3	2
204	Beeswax as phase change material to improve solar panel performance. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 308, 012024	0.4	2
203	Optimization of Dry Storage for Spent Fuel from G.A. Siwabessy Nuclear Research Reactor 2018 , 9, 55		6

202	The Efficacy of the Period of Saccharification on Oil Palm (<i>Elaeis guineensis</i>) Trunk Sap Hydrolysis 2018 , 9, 652		18
201	Mechanical properties of concrete containing beeswax/dammar gum as phase change material for thermal energy storage. <i>AIMS Energy</i> , 2018 , 6, 521-529	1.8	9
200	The effect of hybrid savonius and darrieus turbine on the change of wake recovery and improvement of wind energy harvesting. <i>Journal of Applied Engineering Science</i> , 2018 , 16, 416-423	1.2	5
199	Potential thermochemical conversion of bioenergy from Acacia species in Brunei Darussalam: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 3060-3076	16.2	41
198	Development of energy labels based on consumer perspective: Room air conditioners as a case study in Brunei Darussalam. <i>Energy Reports</i> , 2018 , 4, 671-681	4.6	9
197	An Overview of Recent Developments in Biomass Pyrolysis Technologies. <i>Energies</i> , 2018 , 11, 3115	3.1	126
196	The potential biodiesel production from Cerbera odollam oil (Bintaro) in Aceh. <i>MATEC Web of Conferences</i> , 2018 , 159, 01049	0.3	3
195	Investigation of Thermal Characteristic of Eutectic Fatty Acid/Damar Gum as a Composite Phase Change Material (CPCM). <i>Green Energy and Technology</i> , 2018 , 607-616	0.6	1
194	Advances in CO ₂ Utilization technology: A patent landscape review. <i>Journal of CO₂ Utilization</i> , 2018 , 26, 323-335	7.6	139
193	A Review of Internet of Energy Based Building Energy Management Systems: Issues and Recommendations. <i>IEEE Access</i> , 2018 , 6, 38997-39014	3.5	95
192	Evaluation of the engine performance and exhaust emissions of biodiesel-bioethanol-diesel blends using kernel-based extreme learning machine. <i>Energy</i> , 2018 , 159, 1075-1087	7.9	161
191	Titania-Loaded Coal Char as Catalyst in Oxidation of Styrene with Aqueous Hydrogen Peroxide. <i>International Journal of Chemical Reactor Engineering</i> , 2017 , 15,	1.2	3
190	A review on insulation materials for energy conservation in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 1352-1365	16.2	298
189	Optimization of extraction of lipid from <i>Isochrysis galbana</i> microalgae species for biodiesel synthesis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017 , 39, 1167-1175	1.6	29
188	Optimization of transesterification process for Ceiba pentandra oil: A comparative study between kernel-based extreme learning machine and artificial neural networks. <i>Energy</i> , 2017 , 134, 24-34	7.9	69
187	Impact of infrastructural policies to reduce travel time expenditure of car users with significant reductions in energy consumption. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 77, 327-335	16.2	7
186	A comparative study of ultrasound and infrared transesterification of <i>Sterculia foetida</i> oil for biodiesel production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017 , 39, 1339-1346	1.6	45
185	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	1.6	55

184	Thermal properties of beeswax/graphene phase change material as energy storage for building applications. <i>Applied Thermal Engineering</i> , 2017 , 112, 273-280	5.8	197
183	Air assist atomization characterization of palm biodiesel through experimental investigation and CFD simulation. <i>Biofuels</i> , 2017 , 8, 571-577	2	2
182	Effect of Non-Edible Biodiesel Physical and Chemical Properties as Microturbine Fuel. <i>Energy Procedia</i> , 2017 , 142, 413-418	2.3	6
181	Optimization of Reducing Sugar Production from Manihot glaziovii Starch Using Response Surface Methodology. <i>Energies</i> , 2017 , 10, 35	3.1	29
180	Life Cycle Cost and Sensitivity Analysis of Reutealis trisperma as Non-Edible Feedstock for Future Biodiesel Production. <i>Energies</i> , 2017 , 10, 877	3.1	18
179	A Review of Bioethanol Production from Plant-based Waste Biomass by Yeast Fermentation 2017 , 8, 5		49
178	Calorific Value Analysis of Azadirachta Excelsa and Endospermum Malaccense as Potential Solid Fuels Feedstock 2017 , 8, 634		9
177	Energy and environmental assessments of bioethanol production from Sri Kanji 1 cassava in Malaysia. <i>Biofuel Research Journal</i> , 2017 , 4, 537-544	13.9	21
176	Second generation bioethanol production: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 66, 631-653	16.2	373
175	Techno-economic and environmental assessment of bioethanol production from high starch and root yield Sri Kanji 1 cassava in Malaysia. <i>Energy Reports</i> , 2016 , 2, 246-253	4.6	11
174	Evaluating the Effect of Syngas Composition on Micro gas turbine Performance. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016 , 32, 012042	0.3	2
173	A perspective on bioethanol production from biomass as alternative fuel for spark ignition engine. <i>RSC Advances</i> , 2016 , 6, 14964-14992	3.7	56
172	New method to synthesize mesoporous titania by photodegradation of surfactant template. <i>Solid State Sciences</i> , 2016 , 52, 83-91	3.4	8
171	Synthesis and optimization of Hevea brasiliensis and Ricinus communis as feedstock for biodiesel production: A comparative study. <i>Industrial Crops and Products</i> , 2016 , 85, 274-286	5.9	72
170	Preparation and thermal characteristics of eutectic fatty acids/Shorea javanica composite for thermal energy storage. <i>Applied Thermal Engineering</i> , 2016 , 100, 62-67	5.8	22
169	Optimization of biodiesel production process for mixed Jatropha curcas/Leucaena leucocephala biodiesel using response surface methodology. <i>Energy Conversion and Management</i> , 2016 , 115, 178-190	10.6	213
168	Accelerated thermal cycle and chemical stability testing of polyethylene glycol (PEG) 6000 for solar thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 147, 235-239	6.4	45
167	Second generation bioethanol potential from selected Malaysia's biodiversity biomasses: A review. <i>Waste Management</i> , 2016 , 47, 46-61	8.6	89

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