

# Wen Tong Chong

## List of Publications by Citations

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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.

169 papers	6,499 citations	44 h-index	76 g-index
187 ext. papers	7,648 ext. citations	5.7 avg, IF	6.21 L-index

#	Paper	IF	Citations
169	Second generation bioethanol production: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 66, 631-653	16.2	373
168	Microalgae biofuels as an alternative to fossil fuel for power generation. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 58, 180-197	16.2	345
167	Computational fluid dynamic and thermal analysis of Lithium-ion battery pack with air cooling. <i>Applied Energy</i> , <b>2016</b> , 177, 783-792	10.7	234
166	Overview properties of biodiesel diesel blends from edible and non-edible feedstock. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 22, 346-360	16.2	230
165	Production and comparative fuel properties of biodiesel from non-edible oils: <i>Jatropha curcas</i> , <i>Sterculia foetida</i> and <i>Ceiba pentandra</i> . <i>Energy Conversion and Management</i> , <b>2013</b> , 73, 245-255	10.6	227
164	Optimization of biodiesel production and engine performance from high free fatty acid <i>Calophyllum inophyllum</i> oil in CI diesel engine. <i>Energy Conversion and Management</i> , <b>2014</b> , 81, 30-40	10.6	218
163	Engine performance and emissions using <i>Jatropha curcas</i> , <i>Ceiba pentandra</i> and <i>Calophyllum inophyllum</i> biodiesel in a CI diesel engine. <i>Energy</i> , <b>2014</b> , 69, 427-445	7.9	213
162	A new hybrid support vector machineWavelet transform approach for estimation of horizontal global solar radiation. <i>Energy Conversion and Management</i> , <b>2015</b> , 92, 162-171	10.6	179
161	Performance analysis of an off-grid wind-PV (photovoltaic)-diesel-battery hybrid energy system feasible for remote areas. <i>Journal of Cleaner Production</i> , <b>2016</b> , 125, 121-132	10.3	145
160	Techno-economic analysis of a windSolar hybrid renewable energy system with rainwater collection feature for urban high-rise application. <i>Applied Energy</i> , <b>2011</b> , 88, 4067-4077	10.7	139
159	A critical review on the recent progress of synthesizing techniques and fabrication of TiO <sub>2</sub> -based nanotubes photocatalysts. <i>Applied Catalysis A: General</i> , <b>2014</b> , 481, 127-142	5.1	138
158	Advanced nanomaterials in oil and gas industry: Design, application and challenges. <i>Applied Energy</i> , <b>2017</b> , 191, 287-310	10.7	137
157	A comparative evaluation of physical and chemical properties of biodiesel synthesized from edible and non-edible oils and study on the effect of biodiesel blending. <i>Energy</i> , <b>2013</b> , 58, 296-304	7.9	131
156	Research progress on iron oxide-based magnetic materials: Synthesis techniques and photocatalytic applications. <i>Ceramics International</i> , <b>2016</b> , 42, 9-34	5.1	125
155	Experimental study on performance and exhaust emissions of a diesel engine fuelled with <i>Ceiba pentandra</i> biodiesel blends. <i>Energy Conversion and Management</i> , <b>2013</b> , 76, 828-836	10.6	120
154	Novel thermal management system using mist cooling for lithium-ion battery packs. <i>Applied Energy</i> , <b>2018</b> , 223, 146-158	10.7	112
153	Enzymatic transesterification for biodiesel production: a comprehensive review. <i>RSC Advances</i> , <b>2016</b> , 6, 60034-60055	3.7	108

152	Investigation of physical and chemical properties of potential edible and non-edible feedstocks for biodiesel production, a comparative analysis. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 21, 749-755	16.2	98
151	The design, simulation and testing of an urban vertical axis wind turbine with the omni-direction-guide-vane. <i>Applied Energy</i> , <b>2013</b> , 112, 601-609	10.7	98
150	A review on the engine performance and exhaust emission characteristics of diesel engines fueled with biodiesel blends. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 15307-15325	5.1	92
149	An experimental investigation on performance analysis of air type photovoltaic thermal collector system integrated with cooling fins design. <i>Energy and Buildings</i> , <b>2016</b> , 130, 272-285	7	91
148	Second generation bioethanol potential from selected Malaysia's biodiversity biomasses: A review. <i>Waste Management</i> , <b>2016</b> , 47, 46-61	8.6	89
147	Performance enhancements on vertical axis wind turbines using flow augmentation systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 73, 904-921	16.2	81
146	Potential of adaptive neuro-fuzzy system for prediction of daily global solar radiation by day of the year. <i>Energy Conversion and Management</i> , <b>2015</b> , 93, 406-413	10.6	81
145	Characterization and production of Ceiba pentandra biodiesel and its blends. <i>Fuel</i> , <b>2013</b> , 108, 855-858	7.1	76
144	Performance investigation of a power augmented vertical axis wind turbine for urban high-rise application. <i>Renewable Energy</i> , <b>2013</b> , 51, 388-397	8.1	66
143	The basics and issues of Thermochromic Liquid Crystal Calibrations. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 1089-1121	3	65
142	Performance enhancement of wind turbine systems with vibration control: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 51, 43-54	16.2	63
141	A global comparative review of biodiesel production from jatropha curcas using different homogeneous acid and alkaline catalysts: Study of physical and chemical properties. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 24, 514-533	16.2	63
140	A review on potential enzymatic reaction for biofuel production from algae. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 39, 24-34	16.2	61
139	Computational fluid dynamics simulation on open cell aluminium foams for Li-ion battery cooling system. <i>Applied Energy</i> , <b>2017</b> , 204, 1489-1499	10.7	58
138	Early development of an innovative building integrated wind, solar and rain water harvester for urban high rise application. <i>Energy and Buildings</i> , <b>2012</b> , 47, 201-207	7	55
137	Resource assessment of the renewable energy potential for a remote area: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 62, 908-923	16.2	54
136	Investigation of potential hybrid renewable energy at various rural areas in Malaysia. <i>Journal of Cleaner Production</i> , <b>2016</b> , 139, 61-73	10.3	53
135	Production of biodiesel from Sterculia foetida and its process optimization. <i>Fuel</i> , <b>2013</b> , 111, 478-484	7.1	53

134	Integration of thermal insulation coating and moving-air-cavity in a cool roof system for attic temperature reduction. <i>Energy Conversion and Management</i> , <b>2013</b> , 75, 241-248	10.6	49
133	The Performance Test of Three Different Horizontal Axis Wind Turbine (HAWT) Blade Shapes Using Experimental and Numerical Methods. <i>Energies</i> , <b>2013</b> , 6, 2784-2803	3.1	49
132	Feasibility analysis of a hybrid off-grid windDG-battery energy system for the eco-tourism remote areas. <i>Clean Technologies and Environmental Policy</i> , <b>2015</b> , 17, 2417-2430	4.3	48
131	Biodiesel Conversion from High FFA Crude Jatropha Curcas, Calophyllum Inophyllum and Ceiba Pentandra Oil. <i>Energy Procedia</i> , <b>2014</b> , 61, 480-483	2.3	48
130	Surface roughness prediction by extreme learning machine constructed with abrasive water jet. <i>Precision Engineering</i> , <b>2016</b> , 43, 86-92	2.9	46
129	Prediction of the solar radiation on the Earth using support vector regression technique. <i>Infrared Physics and Technology</i> , <b>2015</b> , 68, 179-185	2.7	46
128	Effect of Croton megalocarpus, Calophyllum inophyllum, Moringa oleifera, palm and coconut biodieselDiesel blending on their physico-chemical properties. <i>Industrial Crops and Products</i> , <b>2014</b> , 60, 130-137	5.9	45
127	Transport and retention of engineered Al <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> , and SiO <sub>2</sub> nanoparticles through various sedimentary rocks. <i>Scientific Reports</i> , <b>2015</b> , 5, 14264	4.9	45
126	Cross axis wind turbine: Pushing the limit of wind turbine technology with complementary design. <i>Applied Energy</i> , <b>2017</b> , 207, 78-95	10.7	44
125	Novel investigation of the different Omni-direction-guide-vane angles effects on the urban vertical axis wind turbine output power via three-dimensional numerical simulation. <i>Energy Conversion and Management</i> , <b>2016</b> , 117, 206-217	10.6	43
124	Experimental study of the protuberance effect on the blade performance of a small horizontal axis wind turbine. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2015</b> , 147, 202-211	3.7	43
123	Impact force identification with pseudo-inverse method on a lightweight structure for under-determined, even-determined and over-determined cases. <i>International Journal of Impact Engineering</i> , <b>2014</b> , 63, 52-62	4	41
122	Fuel consumption and emission prediction by Iranian power plants until 2025. <i>Renewable and Sustainable Energy Reviews</i> , <b>2011</b> , 15, 1575-1592	16.2	41
121	A review on the pattern of electricity generation and emission in Iran from 1967 to 2008. <i>Renewable and Sustainable Energy Reviews</i> , <b>2010</b> , 14, 1814-1829	16.2	41
120	Advances and challenges in grid tied photovoltaic systems. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 49, 121-131	16.2	40
119	Integration of reactive extraction with supercritical fluids for process intensification of biodiesel production: Prospects and recent advances. <i>Progress in Energy and Combustion Science</i> , <b>2014</b> , 45, 54-78	33.6	39
118	Biodiesel process intensification through catalytic enhancement and emerging reactor designs: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 116, 109399	16.2	38
117	Appraisal of the support vector machine to forecast residential heating demand for the District Heating System based on the monthly overall natural gas consumption. <i>Energy</i> , <b>2015</b> , 93, 1558-1567	7.9	38

116	Experimental and simulation investigation into the effects of a flat plate deflector on vertical axis wind turbine. <i>Energy Conversion and Management</i> , <b>2018</b> , 160, 109-125	10.6	38
115	3D CFD simulation and parametric study of a flat plate deflector for vertical axis wind turbine. <i>Renewable Energy</i> , <b>2018</b> , 129, 32-55	8.1	37
114	Pangium edule Reinw: A Promising Non-edible Oil Feedstock for Biodiesel Production. <i>Arabian Journal for Science and Engineering</i> , <b>2015</b> , 40, 583-594		35
113	Exposing effect of comb-type cathode electrode on the performance of sediment microbial fuel cells. <i>Applied Energy</i> , <b>2017</b> , 204, 620-625	10.7	31
112	Synthesis, characteristics and sonocatalytic activities of calcined $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> nanotubes/ $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> magnetic catalysts in the degradation of Orange G. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 29, 317-27	8.9	30
111	Intelligent forecasting of residential heating demand for the District Heating System based on the monthly overall natural gas consumption. <i>Energy and Buildings</i> , <b>2015</b> , 104, 208-214	7	30
110	Application of support vector machine for prediction of electrical and thermal performance in PV/T system. <i>Energy and Buildings</i> , <b>2016</b> , 111, 267-277	7	30
109	Novel bufferless photosynthetic microbial fuel cell (PMFCs) for enhanced electrochemical performance. <i>Bioresource Technology</i> , <b>2018</b> , 255, 83-87	11	27
108	The experimental study on the wind turbine's guide-vanes and diffuser of an exhaust air energy recovery system integrated with the cooling tower. <i>Energy Conversion and Management</i> , <b>2014</b> , 87, 145-155	10.6	25
107	Fuel Properties of Croton megalocarpus, Calophyllum inophyllum, and Cocos nucifera (coconut) Methyl Esters and their Performance in a Multicylinder Diesel Engine. <i>Energy Technology</i> , <b>2013</b> , 1, 685-694	3.5	25
106	A study of production and characterization of Manketti (Ricinodendron rautonemii) methyl ester and its blends as a potential biodiesel feedstock. <i>Biofuel Research Journal</i> , 139-146	13.9	25
105	Effects of organosolv pretreatment and acid hydrolysis on palm empty fruit bunch (PEFB) as bioethanol feedstock. <i>Biomass and Bioenergy</i> , <b>2016</b> , 95, 78-83	5.3	24
104	A Comparative Study of Activation Functions of NAR and NARX Neural Network for Long-Term Wind Speed Forecasting in Malaysia. <i>Mathematical Problems in Engineering</i> , <b>2019</b> , 2019, 1-14	1.1	23
103	Early development of an energy recovery wind turbine generator for exhaust air system. <i>Applied Energy</i> , <b>2013</b> , 112, 568-575	10.7	23
102	Identification of optimum Calophyllum inophyllum bio-fuel blend in diesel engine using advanced vibration analysis technique. <i>Renewable Energy</i> , <b>2017</b> , 109, 295-304	8.1	22
101	Load-displacement behavior of glass fiber/epoxy composite plates with circular cut-outs subjected to compressive load. <i>Materials &amp; Design</i> , <b>2010</b> , 31, 466-474		22
100	The intelligent forecasting of the performances in PV/T collectors based on soft computing method. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 72, 1366-1378	16.2	20
99	Performance assessment of a hybrid solar-wind-rain eco-roof system for buildings. <i>Energy and Buildings</i> , <b>2016</b> , 127, 1028-1042	7	20

98	A review on development of offshore wind energy conversion system. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 9283-9297	4.5	20
97	Vertical axis wind turbine with omni-directional-guide-vane for urban high-rise buildings. <i>Journal of Central South University</i> , <b>2012</b> , 19, 727-732	2.1	19
96	Computational and experimental optimization of the exhaust air energy recovery wind turbine generator. <i>Energy Conversion and Management</i> , <b>2016</b> , 126, 862-874	10.6	19
95	Life Cycle Cost and Sensitivity Analysis of Reutealis trisperma as Non-Edible Feedstock for Future Biodiesel Production. <i>Energies</i> , <b>2017</b> , 10, 877	3.1	18
94	Synthesis and Characterization of Nanocrystalline Pure Cobalt Coating: Effect of pH. <i>Procedia Engineering</i> , <b>2012</b> , 41, 1627-1633		18
93	Cost-benefit analysis and emission reduction of energy efficient lighting at the Universiti Tenaga Nasional. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 745894	2.2	17
92	System Integration of the Horizontal-Axis Wind Turbine: The Design of Turbine Blades with an Axial-Flux Permanent Magnet Generator. <i>Energies</i> , <b>2014</b> , 7, 7773-7793	3.1	17
91	Implementation of surface modified carbon cloth electrodes with biochar particles in microbial fuel cells. <i>International Journal of Green Energy</i> , <b>2018</b> , 15, 789-794	3	16
90	Structural dynamics effect on voltage generation from dual coupled cantilever based piezoelectric vibration energy harvester system. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2017</b> , 107, 41-52	4.6	15
89	Interaction studies between high-density oil and sand particles in oil flotation technology. <i>Journal of Petroleum Science and Engineering</i> , <b>2015</b> , 131, 114-121	4.4	15
88	Wind Turbine Tower Modeling and Vibration Control Under Different Types of Loads Using Ant Colony Optimized PID Controller. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 707-720	2.5	15
87	The Performance and Exhaust Emissions of a Diesel Engine Fuelled with Calophyllum inophyllumBalm Biodiesel. <i>Processes</i> , <b>2019</b> , 7, 597	2.9	14
86	Performance Investigation and Optimization of a Vertical Axis Wind Turbine with the Omni-Direction-Guide-Vane. <i>Procedia Engineering</i> , <b>2013</b> , 67, 59-69		14
85	Investigation of the Optimal Omni-Direction-Guide-Vane Design for Vertical Axis Wind Turbines Based on Unsteady Flow CFD Simulation. <i>Energies</i> , <b>2016</b> , 9, 146	3.1	14
84	Performance analysis of the deflector integrated cross axis wind turbine. <i>Renewable Energy</i> , <b>2019</b> , 138, 675-690	8.1	13
83	Formation and Phase Behavior of Winsor Type III Jatropha curcas-Based Microemulsion Systems. <i>Journal of Surfactants and Detergents</i> , <b>2016</b> , 19, 701-712	1.9	13
82	Design of an exhaust air energy recovery wind turbine generator for energy conservation in commercial buildings. <i>Renewable Energy</i> , <b>2014</b> , 67, 252-256	8.1	13
81	The Design and Flow Simulation of a Power-augmented Shroud for Urban Wind Turbine System. <i>Energy Procedia</i> , <b>2014</b> , 61, 1275-1278	2.3	13



80	Biodiesel sustainability: The global impact of potential biodiesel production on the energy-water-food (EWF) nexus. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 22, 101408	7	13
79	The effects of unsteady wind on the performances of a newly developed cross-axis wind turbine: A wind tunnel study. <i>Renewable Energy</i> , <b>2019</b> , 131, 644-659	8.1	12
78	Investigation of Biodiesel Production from Cerbera Manghas Biofuel Sources. <i>Energy Procedia</i> , <b>2014</b> , 61, 436-439	2.3	12
77	End formation of a round tube into a square section having small corner radii. <i>Journal of Materials Processing Technology</i> , <b>2013</b> , 213, 1465-1474	5.3	12
76	Techno-economic and environmental assessment of bioethanol production from high starch and root yield Sri Kanji 1 cassava in Malaysia. <i>Energy Reports</i> , <b>2016</b> , 2, 246-253	4.6	11
75	Application of interface material and effects of oxygen gradient on the performance of single-chamber sediment microbial fuel cells (SSMFCs). <i>Journal of Environmental Sciences</i> , <b>2019</b> , 75, 163-168	6.4	11
74	Performance analysis of a cross-axis wind turbine from wind tunnel experiments. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2018</b> , 174, 312-329	3.7	10
73	Application of adaptive neuro-fuzzy methodology for performance investigation of a power-augmented vertical axis wind turbine. <i>Energy</i> , <b>2016</b> , 102, 630-636	7.9	10
72	Design and Experimental Analysis of an Exhaust Air Energy Recovery Wind Turbine Generator. <i>Energies</i> , <b>2015</b> , 8, 6566-6584	3.1	10
71	A Lookup Table Model Predictive Direct Torque Control of Permanent-Magnet Synchronous Generator Based on Vienna Rectifier. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 1208-1222	5.6	10
70	Numerical modeling of hybrid supercapacitor battery energy storage system for electric vehicles. <i>Energy Procedia</i> , <b>2019</b> , 158, 2750-2755	2.3	9
69	A biomimetic wind turbine inspired by <i>Dryobalanops aromatica</i> seed: Numerical prediction of rigid rotor blade performance with OpenFOAM. <i>Computers and Fluids</i> , <b>2017</b> , 159, 295-315	2.8	8
68	Effectiveness of Nature-Inspired Algorithms using ANFIS for Blade Design Optimization and Wind Turbine Efficiency. <i>Symmetry</i> , <b>2019</b> , 11, 456	2.7	8
67	Influence of introducing various meteorological parameters to the Angström-Prescott model for estimation of global solar radiation. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	8
66	Exhaust air energy recovery system for electrical power generation in future green cities. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2013</b> , 14, 1029-1035	1.7	8
65	Performance Analysis of Solar-Wind-Diesel-Battery Hybrid Energy System for KLIA Sepang Station of Malaysia. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 88, 012074	0.4	8
64	Innovative Power-Augmentation-Guide-Vane Design of Wind-Solar Hybrid Renewable Energy Harvester for Urban High Rise Application <b>2010</b> ,		8
63	Urban Eco-Greenenergy hybrid wind-solar photovoltaic energy system and its applications. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2015</b> , 16, 1263-1268	1.7	7

62	Cross-Axis-Wind-Turbine: A Complementary Design to Push the Limit of Wind Turbine Technology. <i>Energy Procedia</i> , <b>2017</b> , 105, 973-979	2.3	7
61	The Physical and Magnetic Properties of Electrodeposited Co-Fe Nanocoating with Different Deposition Times. <i>Journal of Nanomaterials</i> , <b>2013</b> , 2013, 1-6	3.2	7
60	Evaluation of common indoor air pollutant reduction by a botanical indoor air biofilter system. <i>Indoor and Built Environment</i> , <b>2021</b> , 30, 7-21	1.8	7
59	Numerical Analyses on Aluminum Foams Cooling Plate for Lithium-ion Batteries. <i>Energy Procedia</i> , <b>2017</b> , 105, 4751-4756	2.3	6
58	Enhancement of Energy Harvesting Performance by a Coupled Bluff Splitter Body and PVEH Plate through Vortex Induced Vibration near Resonance. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 921	2.6	6
57	Forming box-shaped ends in circular tubes. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2015</b> , 16, 1975-1981	1.7	6
56	Sensitivity analysis of heat transfer rate for smart roof design by adaptive neuro-fuzzy technique. <i>Energy and Buildings</i> , <b>2016</b> , 124, 112-119	7	6
55	An empirical analysis on photovoltaic thermal system with fin design by forced air circulation. <i>Journal of Mechanical Science and Technology</i> , <b>2017</b> , 31, 2549-2557	1.6	5
54	Preliminary Assessment of Optimized Accessorial Roof Shape for Performance of Wind Turbine Mounted on Eco-Roof System. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2018</b> , 5, 375-385	3.8	5
53	Similitude study of an in-service industrial piping system under high flow induced vibration. <i>Journal of Mechanical Science and Technology</i> , <b>2017</b> , 31, 3705-3713	1.6	5
52	Identification of material properties of orthotropic composite plate using hybrid non-destructive evaluation approach. <i>Materials Research Innovations</i> , <b>2014</b> , 18, S6-423-S6-428	1.9	5
51	Effect of Time Depositions on Electrodeposited Cobalt-Iron Nanocoating. <i>Advanced Materials Research</i> , <b>2012</b> , 576, 565-568	0.5	5
50	Hybrid Pitch Angle Controller Approaches for Stable Wind Turbine Power under Variable Wind Speed. <i>Energies</i> , <b>2020</b> , 13, 3622	3.1	5
49	Feasibility Study and Structural Analysis of Cellulose Isolated from Rice Husk: Microwave Irradiation, Optimization, and Treatment Process Scheme. <i>BioResources</i> , <b>2016</b> , 11,	1.3	5
48	Multi-effects of gravity and geometric flow channel on the performance of continuous microbial fuel cells. <i>International Journal of Green Energy</i> , <b>2016</b> , 13, 1483-1489	3	5
47	Dynamic power response of microbial fuel cells under external electrical exciting. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 22208-22213	6.7	4
46	Preliminary Techno-Environment-Economic Evaluation of an Innovative Hybrid Renewable Energy Harvester System for Residential Application. <i>Energies</i> , <b>2019</b> , 12, 1496	3.1	4
45	Energy Harvesting Based on a Novel Piezoelectric 0.7PbZn0.3Ti0.7O3-0.3Na2TiO3 Nanogenerator. <i>Energies</i> , <b>2017</b> , 10, 646	3.1	4



44	The Design, Simulation and Testing of V-shape Roof Guide Vane Integrated with an Eco-roof System. <i>Energy Procedia</i> , <b>2017</b> , 105, 750-763	2.3	4
43	Design and Testing of a Novel Building Integrated Cross Axis Wind Turbine. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 251	2.6	4
42	Flow shear stress applied in self-buffered microbial fuel cells. <i>Process Biochemistry</i> , <b>2020</b> , 99, 324-330	4.8	4
41	Fabrication of Silver Nanoparticles Supported on Rice Straw: In Vitro Antibacterial Activity and its Heterogeneous Catalysis in the Degradation of 4-Nitrophenol. <i>BioResources</i> , <b>2016</b> , 11,	1.3	4
40	Systematic study on the relationship between particulate matter and microbial counts in hospital operating rooms. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	4
39	Double multiple stream tube analysis of non-uniform wind stream of exhaust air energy recovery turbine generator. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2017</b> , 4, 401-407	3.8	3
38	Human behaviour-dependent and variable-flow-reversible mechanical ventilation system design in an underground parking facility. <i>Indoor and Built Environment</i> , <b>2019</b> , 28, 1324-1340	1.8	3
37	Smart Semi-active PID-ACO control strategy for tower vibration reduction in Wind Turbines with MR damper. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2019</b> , 18, 887-902	2	3
36	Numerical analysis of the effect of vortex control mechanism on longitudinal aerodynamics of lifting body. <i>Aerospace Science and Technology</i> , <b>2013</b> , 30, 232-238	4.9	3
35	Feasibility study of mist cooling for lithium-ion battery. <i>Energy Procedia</i> , <b>2017</b> , 142, 2592-2597	2.3	3
34	Effects of chaotic acclimation applied on performance of microbial fuel cells. <i>International Journal of Green Energy</i> , <b>2016</b> , 13, 1501-1506	3	3
33	Preliminary Performance Tests and Simulation of a V-Shape Roof Guide Vane Mounted on an Eco-Roof System. <i>Energies</i> , <b>2018</b> , 11, 2846	3.1	3
32	Design and Early Development of a Novel Cross Axis Wind Turbine. <i>Energy Procedia</i> , <b>2017</b> , 105, 668-674	2.3	2
31	Suppression of hydrodynamic sloshing in liquefied natural gas tank with floating baffle: Experimental and numerical studies. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 463, 012111	0.3	2
30	The development and testing of a novel cross axis wind turbine <b>2016</b> ,		2
29	Friction and wear characteristics of rice bran oil based biodiesel using calcium oxide catalyst derived from <i>Chicoreus Brunneus</i> shell. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2019</b> , 1-9	1.6	2
28	Using Xanthan 80 (SF) on Enhancing the Performance of Solid Microbial Fuel Cell. <i>Energy Procedia</i> , <b>2017</b> , 105, 1160-1165	2.3	2
27	Effect of Oxygen Gradient on the Organic Degradation and Power Performance of Single Sediment Microbial Fuel Cells. <i>Energy Procedia</i> , <b>2017</b> , 105, 654-661	2.3	2

26	Computational Fluid Dynamics Simulation of the Effect of Guide-vane Angles on the Performance of the Exhaust Air Energy Recovery Turbine Generator. <i>Energy Procedia</i> , <b>2014</b> , 61, 1286-1289	2.3	2
25	Impact Force Identification using the Modal Transformation Method in Collocated and Non-Collocated Cases. <i>Journal of Mechanical Engineering and Sciences</i> , <b>2014</b> , 6, 968-974	2	2
24	A Comparative Computational Fluid Dynamics Study on an Innovative Exhaust Air Energy Recovery Wind Turbine Generator. <i>Energies</i> , <b>2016</b> , 9, 346	3.1	2
23	Recent progress in research on PM in subways. <i>Environmental Sciences: Processes and Impacts</i> , <b>2021</b> , 23, 642-663	4.3	2
22	Rheology and Temperature Dependency Study of Saraline-Based Super Lightweight Completion Fluid <b>2016</b> ,		1
21	Failure analysis of flow-induced vibration problem of in-serviced duplex stainless steel piping system in oil and gas industry. <i>Materials Research Innovations</i> , <b>2014</b> , 18, S6-417-S6-422	1.9	1
20	On the economic feasibility of the first, second and third generations biodiesel feedstock <b>2017</b> ,		1
19	Estimating surface hardening profile of blank for obtaining high drawing ratio in deep drawing process using FE analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 103, 012047	0.4	1
18	Impact Force Identification by Using Modal Transformation Method for Automobile Test Rig. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 471, 102-106	0.3	1
17	Editorial for the special issue on Sustainable Energy and Green Technologies (SEGT 2018). <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 9244-9245	4.5	1
16	Density and Viscosity Prediction of Super Lightweight Completion Fluid SLWCF at Reservoir Conditions <b>2016</b> ,		1
15	Analysis of the Polypropylene-Based Aluminium-Air Battery. <i>Frontiers in Energy Research</i> , <b>2021</b> , 9,	3.8	1
14	Viscosity prediction model optimization for Saraline-based super lightweight completion fluid at high pressure and temperature. <i>Petroleum Exploration and Development</i> , <b>2016</b> , 43, 863-868	4.5	0
13	Influence of filter media depth and vegetation on Faecal Coliform removal by stormwater biofilters. <i>Water and Environment Journal</i> , <b>2021</b> , 35, 181-189	1.7	0
12	Effect of nanowire conductive transfer on the performance of batch-microbial fuel cells. <i>International Journal of Energy Research</i> , <b>2022</b> , 46, 6919-6928	4.5	0
11	Static balance duct design method and temperature dependent variable air volume systems. <i>Building Services Engineering Research and Technology</i> , <b>2019</b> , 40, 698-713	2.3	
10	Stress intensity factors for embedded cracks within torsionally loaded square prismatic bars. <i>Advances in Mechanical Engineering</i> , <b>2019</b> , 11, 168781401982808	1.2	
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5	Experimental Investigation on the Moving-Air Path in Roof Models with Thermal Performances Evaluation. <i>Advanced Materials Research</i> , <b>2014</b> , 935, 88-91	0.5
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1	Pareto-hierarchical clustering framework for biodiesel transesterification. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 45, 101160	4.7