

# Wen Tong Chong

## List of Publications by Year in descending order

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178  
papers

8,886  
citations

36303

51  
h-index

46799

89  
g-index

187  
all docs

187  
docs citations

187  
times ranked

9041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Second generation bioethanol production: A critical review. Renewable and Sustainable Energy Reviews, 2016, 66, 631-653.	16.4	481
2	Microalgae biofuels as an alternative to fossil fuel for power generation. Renewable and Sustainable Energy Reviews, 2016, 58, 180-197.	16.4	454
3	Computational fluid dynamic and thermal analysis of Lithium-ion battery pack with air cooling. Applied Energy, 2016, 177, 783-792.	10.1	359
4	Overview properties of biodiesel diesel blends from edible and non-edible feedstock. Renewable and Sustainable Energy Reviews, 2013, 22, 346-360.	16.4	276
5	Production and comparative fuel properties of biodiesel from non-edible oils: Jatropha curcas, Sterculia foetida and Ceiba pentandra. Energy Conversion and Management, 2013, 73, 245-255.	9.2	271
6	Optimization of biodiesel production and engine performance from high free fatty acid Calophyllum inophyllum oil in CI diesel engine. Energy Conversion and Management, 2014, 81, 30-40.	9.2	267
7	Engine performance and emissions using Jatropha curcas, Ceiba pentandra and Calophyllum inophyllum biodiesel in a CI diesel engine. Energy, 2014, 69, 427-445.	8.8	252
8	A new hybrid support vector machineâ€“wavelet transform approach for estimation of horizontal global solar radiation. Energy Conversion and Management, 2015, 92, 162-171.	9.2	227
9	Performance analysis of an off-grid wind-PV (photovoltaic)-diesel-battery hybrid energy system feasible for remote areas. Journal of Cleaner Production, 2016, 125, 121-132.	9.3	211
10	Advanced nanomaterials in oil and gas industry: Design, application and challenges. Applied Energy, 2017, 191, 287-310.	10.1	206
11	Novel thermal management system using mist cooling for lithium-ion battery packs. Applied Energy, 2018, 223, 146-158.	10.1	204
12	Techno-economic analysis of a windâ€“solar hybrid renewable energy system with rainwater collection feature for urban high-rise application. Applied Energy, 2011, 88, 4067-4077.	10.1	170
13	Research progress on iron oxide-based magnetic materials: Synthesis techniques and photocatalytic applications. Ceramics International, 2016, 42, 9-34.	4.8	168
14	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. Energy, 2013, 58, 296-304.	8.8	164
15	A critical review on the recent progress of synthesizing techniques and fabrication of TiO <sub>2</sub> -based nanotubes photocatalysts. Applied Catalysis A: General, 2014, 481, 127-142.	4.3	162
16	An experimental investigation on performance analysis of air type photovoltaic thermal collector system integrated with cooling fins design. Energy and Buildings, 2016, 130, 272-285.	6.7	159
17	Experimental study on performance and exhaust emissions of a diesel engine fuelled with Ceiba pentandra biodiesel blends. Energy Conversion and Management, 2013, 76, 828-836.	9.2	139
18	A review on the engine performance and exhaust emission characteristics of diesel engines fueled with biodiesel blends. Environmental Science and Pollution Research, 2018, 25, 15307-15325.	5.3	136

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19	Enzymatic transesterification for biodiesel production: a comprehensive review. RSC Advances, 2016, 6, 60034-60055.	3.6	131
20	The design, simulation and testing of an urban vertical axis wind turbine with the omni-direction-guide-vane. Applied Energy, 2013, 112, 601-609.	10.1	124
21	Investigation of physical and chemical properties of potential edible and non-edible feedstocks for biodiesel production, a comparative analysis. Renewable and Sustainable Energy Reviews, 2013, 21, 749-755.	16.4	123
22	Performance enhancements on vertical axis wind turbines using flow augmentation systems: A review. Renewable and Sustainable Energy Reviews, 2017, 73, 904-921.	16.4	121
23	Second generation bioethanol potential from selected Malaysia's biodiversity biomasses: A review. Waste Management, 2016, 47, 46-61.	7.4	107
24	Potential of adaptive neuro-fuzzy system for prediction of daily global solar radiation by day of the year. Energy Conversion and Management, 2015, 93, 406-413.	9.2	103
25	Performance enhancement of wind turbine systems with vibration control: A review. Renewable and Sustainable Energy Reviews, 2015, 51, 43-54.	16.4	96
26	Computational fluid dynamics simulation on open cell aluminium foams for Li-ion battery cooling system. Applied Energy, 2017, 204, 1489-1499.	10.1	94
27	The basics and issues of Thermochromic Liquid Crystal Calibrations. Experimental Thermal and Fluid Science, 2010, 34, 1089-1121.	2.7	90
28	Characterization and production of Ceiba pentandra biodiesel and its blends. Fuel, 2013, 108, 855-858.	6.4	89
29	A review on development of offshore wind energy conversion system. International Journal of Energy Research, 2020, 44, 9283-9297.	4.5	89
30	A global comparative review of biodiesel production from jatropha curcas using different homogeneous acid and alkaline catalysts: Study of physical and chemical properties. Renewable and Sustainable Energy Reviews, 2013, 24, 514-533.	16.4	81
31	Performance investigation of a power augmented vertical axis wind turbine for urban high-rise application. Renewable Energy, 2013, 51, 388-397.	8.9	76
32	3D CFD simulation and parametric study of a flat plate deflector for vertical axis wind turbine. Renewable Energy, 2018, 129, 32-55.	8.9	71
33	A review on potential enzymatic reaction for biofuel production from algae. Renewable and Sustainable Energy Reviews, 2014, 39, 24-34.	16.4	70
34	Surface roughness prediction by extreme learning machine constructed with abrasive water jet. Precision Engineering, 2016, 43, 86-92.	3.4	68
35	Experimental and simulation investigation into the effects of a flat plate deflector on vertical axis wind turbine. Energy Conversion and Management, 2018, 160, 109-125.	9.2	68
36	Early development of an innovative building integrated wind, solar and rain water harvester for urban high rise application. Energy and Buildings, 2012, 47, 201-207.	6.7	67

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37	Prediction of the solar radiation on the Earth using support vector regression technique. <i>Infrared Physics and Technology</i> , 2015, 68, 179-185.	2.9	67
38	Investigation of potential hybrid renewable energy at various rural areas in Malaysia. <i>Journal of Cleaner Production</i> , 2016, 139, 61-73.	9.3	67
39	Cross axis wind turbine: Pushing the limit of wind turbine technology with complementary design. <i>Applied Energy</i> , 2017, 207, 78-95.	10.1	66
40	The Performance Test of Three Different Horizontal Axis Wind Turbine (HAWT) Blade Shapes Using Experimental and Numerical Methods. <i>Energies</i> , 2013, 6, 2784-2803.	3.1	65
41	Biodiesel process intensification through catalytic enhancement and emerging reactor designs: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 116, 109399.	16.4	65
42	Biodiesel Conversion from High FFA Crude <i>Jatropha Curcas</i> , <i>Calophyllum Inophyllum</i> and <i>Ceiba Pentandra</i> Oil. <i>Energy Procedia</i> , 2014, 61, 480-483.	1.8	64
43	Resource assessment of the renewable energy potential for a remote area: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 908-923.	16.4	64
44	Production of biodiesel from <i>Sterculia foetida</i> and its process optimization. <i>Fuel</i> , 2013, 111, 478-484.	6.4	61
45	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> , 2016, 117, 206-217.	9.2	60
46	Advances and challenges in grid tied photovoltaic systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 121-131.	16.4	59
47	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> , 2015, 147, 202-211.	3.9	59
48	Integration of thermal insulation coating and moving-air-cavity in a cool roof system for attic temperature reduction. <i>Energy Conversion and Management</i> , 2013, 75, 241-248.	9.2	58
49	Feasibility analysis of a hybrid off-grid wind+DG-battery energy system for the eco-tourism remote areas. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 2417-2430.	4.1	58
50	Effect of <i>Croton megalocarpus</i> , <i>Calophyllum inophyllum</i> , <i>Moringa oleifera</i> , palm and coconut biodiesel+ diesel blending on their physico-chemical properties. <i>Industrial Crops and Products</i> , 2014, 60, 130-137.	5.2	54
51	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> , 2014, 63, 52-62.	5.0	52
52	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> , 2015, 5, 14264.	3.3	52
53	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> , 2015, 93, 1558-1567.	8.8	50
54	A review on the pattern of electricity generation and emission in Iran from 1967 to 2008. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1814-1829.	16.4	49

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55	Fuel consumption and emission prediction by Iranian power plants until 2025. Renewable and Sustainable Energy Reviews, 2011, 15, 1575-1592.	16.4	48
56	Pangium edule Reinw: A Promising Non-edible Oil Feedstock for Biodiesel Production. Arabian Journal for Science and Engineering, 2015, 40, 583-594.	1.1	47
57	Integration of reactive extraction with supercritical fluids for process intensification of biodiesel production: Prospects and recent advances. Progress in Energy and Combustion Science, 2014, 45, 54-78.	31.2	45
58	Novel bufferless photosynthetic microbial fuel cell (PMFCs) for enhanced electrochemical performance. Bioresource Technology, 2018, 255, 83-87.	9.6	45
59	A Comparative Study of Activation Functions of NAR and NARX Neural Network for Long-Term Wind Speed Forecasting in Malaysia. Mathematical Problems in Engineering, 2019, 2019, 1-14.	1.1	44
60	Synthesis, characteristics and sonocatalytic activities of calcined $\text{Fe}_3\text{O}_4$ and $\text{TiO}_2$ nanotubes/ $\text{Fe}_3\text{O}_4$ magnetic catalysts in the degradation of Orange G. Ultrasonics Sonochemistry, 2016, 29, 317-327.	8.2	43
61	The experimental study on the wind turbine's guide-vanes and diffuser of an exhaust air energy recovery system integrated with the cooling tower. Energy Conversion and Management, 2014, 87, 145-155.	9.2	39
62	Application of support vector machine for prediction of electrical and thermal performance in PV/T system. Energy and Buildings, 2016, 111, 267-277.	6.7	39
63	Exposing effect of comb-type cathode electrode on the performance of sediment microbial fuel cells. Applied Energy, 2017, 204, 620-625.	10.1	38
64	Early development of an energy recovery wind turbine generator for exhaust air system. Applied Energy, 2013, 112, 568-575.	10.1	37
65	Intelligent forecasting of residential heating demand for the District Heating System based on the monthly overall natural gas consumption. Energy and Buildings, 2015, 104, 208-214.	6.7	37
66	Effects of organosolv pretreatment and acid hydrolysis on palm empty fruit bunch (PEFB) as bioethanol feedstock. Biomass and Bioenergy, 2016, 95, 78-83.	5.7	36
67	Fuel Properties of <i>Croton megalocarpus</i> , <i>Calophyllum inophyllum</i> , and <i>Cocos nucifera</i> (coconut) Methyl Esters and their Performance in a Multicylinder Diesel Engine. Energy Technology, 2013, 1, 685-694.	3.8	34
68	Cost-Benefit Analysis and Emission Reduction of Energy Efficient Lighting at the Universiti Tenaga Nasional. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	34
69	Identification of optimum <i>Calophyllum inophyllum</i> bio-fuel blend in diesel engine using advanced vibration analysis technique. Renewable Energy, 2017, 109, 295-304.	8.9	32
70	A study of production and characterization of Manketti ( <i>Ricinodendron rautonemii</i> ) methyl ester and its blends as a potential biodiesel feedstock. Biofuel Research Journal, 0, , 139-146.	13.3	32
71	The intelligent forecasting of the performances in PV/T collectors based on soft computing method. Renewable and Sustainable Energy Reviews, 2017, 72, 1366-1378.	16.4	31
72	Biodiesel sustainability: The global impact of potential biodiesel production on the energy-water-food (EWF) nexus. Environmental Technology and Innovation, 2021, 22, 101408.	6.1	31

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73	Loadâ€‘displacement behavior of glass fiber/epoxy composite plates with circular cut-outs subjected to compressive load. <i>Materials &amp; Design</i> , 2010, 31, 466-474.	5.1	29
74	Computational and experimental optimization of the exhaust air energy recovery wind turbine generator. <i>Energy Conversion and Management</i> , 2016, 126, 862-874.	9.2	29
75	Numerical modeling of hybrid supercapacitor battery energy storage system for electric vehicles. <i>Energy Procedia</i> , 2019, 158, 2750-2755.	1.8	29
76	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> , 2019, 44, 707-720.	3.0	28
77	Synthesis and Characterization of Nanocrystalline Pure Cobalt Coating: Effect of pH. <i>Procedia Engineering</i> , 2012, 41, 1627-1633.	1.2	27
78	Performance assessment of a hybrid solar-wind-rain eco-roof system for buildings. <i>Energy and Buildings</i> , 2016, 127, 1028-1042.	6.7	27
79	Vertical axis wind turbine with omni-directional-guide-vane for urban high-rise buildings. <i>Journal of Central South University</i> , 2012, 19, 727-732.	3.0	26
80	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
81	Design of an exhaust air energy recovery wind turbine generator for energy conservation in commercial buildings. <i>Renewable Energy</i> , 2014, 67, 252-256.	8.9	25
82	The Design and Flow Simulation of a Power-augmented Shroud for Urban Wind Turbine System. <i>Energy Procedia</i> , 2014, 61, 1275-1278.	1.8	23
83	Implementation of surface modified carbon cloth electrodes with biochar particles in microbial fuel cells. <i>International Journal of Green Energy</i> , 2018, 15, 789-794.	3.8	23
84	System Integration of the Horizontal-Axis Wind Turbine: The Design of Turbine Blades with an Axial-Flux Permanent Magnet Generator. <i>Energies</i> , 2014, 7, 7773-7793.	3.1	20
85	Performance Investigation and Optimization of a Vertical Axis Wind Turbine with the Omni-Direction-Guide-Vane. <i>Procedia Engineering</i> , 2013, 67, 59-69.	1.2	19
86	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.	5.1	19
87	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> , 2017, 159, 295-315.	2.5	19
88	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> , 2020, 8, 1208-1222.	5.4	19
89	Systematic study on the relationship between particulate matter and microbial counts in hospital operating rooms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 6710-6721.	5.3	19
90	Design and Experimental Analysis of an Exhaust Air Energy Recovery Wind Turbine Generator. <i>Energies</i> , 2015, 8, 6566-6584.	3.1	18

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91	Structural dynamics effect on voltage generation from dual coupled cantilever based piezoelectric vibration energy harvester system. Measurement: Journal of the International Measurement Confederation, 2017, 107, 41-52.	5.0	18
92	The effects of unsteady wind on the performances of a newly developed cross-axis wind turbine: A wind tunnel study. Renewable Energy, 2019, 131, 644-659.	8.9	18
93	The Performance and Exhaust Emissions of a Diesel Engine Fuelled with Calophyllum inophyllum Palm Biodiesel. Processes, 2019, 7, 597.	2.8	17
94	Investigation of Biodiesel Production from Cerbera manghas Biofuel Sources. Energy Procedia, 2014, 61, 436-439.	1.8	16
95	Interaction studies between high-density oil and sand particles in oil flotation technology. Journal of Petroleum Science and Engineering, 2015, 131, 114-121.	4.2	16
96	Formation and Phase Behavior of Winsor Type III <i>Jatropha curcas</i> -Based Microemulsion Systems. Journal of Surfactants and Detergents, 2016, 19, 701-712.	2.1	16
97	Performance analysis of the deflector integrated cross axis wind turbine. Renewable Energy, 2019, 138, 675-690.	8.9	16
98	Evaluation of common indoor air pollutant reduction by a botanical indoor air biofilter system. Indoor and Built Environment, 2021, 30, 7-21.	2.8	16
99	Application of interface material and effects of oxygen gradient on the performance of single-chamber sediment microbial fuel cells (SSMFCs). Journal of Environmental Sciences, 2019, 75, 163-168.	6.1	15
100	Recent progress in research on PM <sub>2.5</sub> in subways. Environmental Sciences: Processes and Impacts, 2021, 23, 642-663.	3.5	15
101	Exhaust air energy recovery system for electrical power generation in future green cities. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1029-1035.	2.2	14
102	Investigation of the Optimal Omni-Direction-Guide-Vane Design for Vertical Axis Wind Turbines Based on Unsteady Flow CFD Simulation. Energies, 2016, 9, 146.	3.1	14
103	Application of adaptive neuro-fuzzy methodology for performance investigation of a power-augmented vertical axis wind turbine. Energy, 2016, 102, 630-636.	8.8	14
104	Performance analysis of a cross-axis wind turbine from wind tunnel experiments. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 174, 312-329.	3.9	13
105	End formation of a round tube into a square section having small corner radii. Journal of Materials Processing Technology, 2013, 213, 1465-1474.	6.3	12
106	Cross-Axis-Wind-Turbine: A Complementary Design to Push the Limit of Wind Turbine Technology. Energy Procedia, 2017, 105, 973-979.	1.8	12
107	Effectiveness of Nature-Inspired Algorithms using ANFIS for Blade Design Optimization and Wind Turbine Efficiency. Symmetry, 2019, 11, 456.	2.2	12
108	Innovative Power-Augmentation-Guide-Vane Design of Wind-Solar Hybrid Renewable Energy Harvester for Urban High Rise Application. AIP Conference Proceedings, 2010, , .	0.4	11



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109	Performance Analysis of Solar-Wind-Diesel-Battery Hybrid Energy System for KLIA Sepang Station of Malaysia. IOP Conference Series: Materials Science and Engineering, 2015, 88, 012074.	0.6	11
110	Influence of introducing various meteorological parameters to the Angstr�m-Prescott model for estimation of global solar radiation. Environmental Earth Sciences, 2016, 75, 1.	2.7	11
111	Enhancement of Energy Harvesting Performance by a Coupled Bluff Splitter Body and PVEH Plate through Vortex Induced Vibration near Resonance. Applied Sciences (Switzerland), 2017, 7, 921.	2.5	11
112	Feasibility study of mist cooling for lithium-ion battery. Energy Procedia, 2017, 142, 2592-2597.	1.8	10
113	Hybrid Pitch Angle Controller Approaches for Stable Wind Turbine Power under Variable Wind Speed. Energies, 2020, 13, 3622.	3.1	10
114	An empirical analysis on photovoltaic thermal system with fin design by forced air circulation. Journal of Mechanical Science and Technology, 2017, 31, 2549-2557.	1.5	9
115	Analysis of the Polypropylene-Based Aluminium-Air Battery. Frontiers in Energy Research, 2021, 9, .	2.3	9
116	Feasibility Study and Structural Analysis of Cellulose Isolated from Rice Husk: Microwave Irradiation, Optimization, and Treatment Process Scheme. BioResources, 2016, 11, .	1.0	8
117	Sensitivity analysis of heat transfer rate for smart roof design by adaptive neuro-fuzzy technique. Energy and Buildings, 2016, 124, 112-119.	6.7	8
118	Numerical Analyses on Aluminum Foams Cooling Plate for Lithium-ion Batteries. Energy Procedia, 2017, 105, 4751-4756.	1.8	8
119	The Design, Simulation and Testing of V-shape Roof Guide Vane Integrated with an Eco-roof System. Energy Procedia, 2017, 105, 750-763.	1.8	8
120	Design and Testing of a Novel Building Integrated Cross Axis Wind Turbine. Applied Sciences (Switzerland), 2017, 7, 251.	2.5	8
121	Preliminary Assessment of Optimized Accessorial Roof Shape for Performance of Wind Turbine Mounted on Eco-Roof System. International Journal of Precision Engineering and Manufacturing - Green Technology, 2018, 5, 375-385.	4.9	8
122	The Physical and Magnetic Properties of Electrodeposited Co-Fe Nanocoating with Different Deposition Times. Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	7
123	Forming box-shaped ends in circular tubes. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1975-1981.	2.2	7
124	Urban Eco-Greenery, a hybrid wind-solar photovoltaic energy system and its applications. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1263-1268.	2.2	7
125	Flow shear stress applied in self-buffered microbial fuel cells. Process Biochemistry, 2020, 99, 324-330.	3.7	7
126	Effect of Time Depositions on Electrodeposited Cobalt-Iron Nanocoating. Advanced Materials Research, 0, 576, 565-568.	0.3	6



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127	Fabrication of Silver Nanoparticles Supported on Rice Straw: In Vitro Antibacterial Activity and its Heterogeneous Catalysis in the Degradation of 4-Nitrophenol. BioResources, 2016, 11, .	1.0	6
128	Multi-effects of gravity and geometric flow channel on the performance of continuous microbial fuel cells. International Journal of Green Energy, 2016, 13, 1483-1489.	3.8	6
129	Similitude study of an in-service industrial piping system under high flow induced vibration. Journal of Mechanical Science and Technology, 2017, 31, 3705-3713.	1.5	6
130	Smart Semi-active PID-ACO control strategy for tower vibration reduction in Wind Turbines with MR damper. Earthquake Engineering and Engineering Vibration, 2019, 18, 887-902.	2.3	6
131	Identification of material properties of orthotropic composite plate using hybrid non-destructive evaluation approach. Materials Research Innovations, 2014, 18, S6-423-S6-428.	2.3	5
132	Dynamic power response of microbial fuel cells under external electrical exciting. International Journal of Hydrogen Energy, 2017, 42, 22208-22213.	7.1	5
133	Design and Early Development of a Novel Cross Axis Wind Turbine. Energy Procedia, 2017, 105, 668-674.	1.8	5
134	Double multiple stream tube analysis of non-uniform wind stream of exhaust air energy recovery turbine generator. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 401-407.	4.9	5
135	Energy Harvesting Based on a Novel Piezoelectric 0.7PbZn0.3Ti0.7O3-0.3Na2TiO3 Nanogenerator. Energies, 2017, 10, 646.	3.1	5
136	Preliminary Performance Tests and Simulation of a V-Shape Roof Guide Vane Mounted on an Eco-Roof System. Energies, 2018, 11, 2846.	3.1	5
137	Preliminary Techno-Environmental-Economic Evaluation of an Innovative Hybrid Renewable Energy Harvester System for Residential Application. Energies, 2019, 12, 1496.	3.1	5
138	Impact Force Identification by Using Modal Transformation Method for Automobile Test Rig. Applied Mechanics and Materials, 0, 471, 102-106.	0.2	4
139	Computational Fluid Dynamics Simulation of the Effect of Guide-vane Angles on the Performance of the Exhaust Air Energy Recovery Turbine Generator. Energy Procedia, 2014, 61, 1286-1289.	1.8	4
140	A Comparative Computational Fluid Dynamics Study on an Innovative Exhaust Air Energy Recovery Wind Turbine Generator. Energies, 2016, 9, 346.	3.1	4
141	Human behaviour-dependent and variable-flow-reversible mechanical ventilation system design in an underground parking facility. Indoor and Built Environment, 2019, 28, 1324-1340.	2.8	4
142	Influence of filter media depth and vegetation on Faecal Coliform removal by stormwater biofilters. Water and Environment Journal, 2021, 35, 181-189.	2.2	4
143	Impact Force Identification using the Modal Transformation Method in Collocated and Non-Collocated Cases. Journal of Mechanical Engineering and Sciences, 2014, 6, 968-974.	0.6	4
144	Numerical analysis of the effect of vortex control mechanism on longitudinal aerodynamics of lifting body. Aerospace Science and Technology, 2013, 30, 232-238.	4.8	3

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145	Design and Numerical Study of the Integration of Omnidirectional Shroud with Vertical Axis Wind Turbine. , 2014, , .		3
146	Effects of chaotic acclimation applied on performance of microbial fuel cells. International Journal of Green Energy, 2016, 13, 1501-1506.	3.8	3
147	The development and testing of a novel cross axis wind turbine. AIP Conference Proceedings, 2016, , .	0.4	3
148	Using Xanthan 80 (SF) on Enhancing the Performance of Solid Microbial Fuel Cell. Energy Procedia, 2017, 105, 1160-1165.	1.8	3
149	Suppression of hydrodynamic sloshing in liquefied natural gas tank with floating baffle: Experimental and numerical studies. IOP Conference Series: Earth and Environmental Science, 2020, 463, 012111.	0.3	3
150	Failure analysis of flow-induced vibration problem of in-serviced duplex stainless steel piping system in oil and gas industry. Materials Research Innovations, 2014, 18, S6-417-S6-422.	2.3	2
151	Estimating surface hardening profile of blank for obtaining high drawing ratio in deep drawing process using FE analysis. IOP Conference Series: Materials Science and Engineering, 2015, 103, 012047.	0.6	2
152	Density and Viscosity Prediction of Super Lightweight Completion Fluid SLWCF at Reservoir Conditions. , 2016, , .		2
153	Effect of Oxygen Gradient on the Organic Degradation and Power Performance of Single Sediment Microbial Fuel Cells. Energy Procedia, 2017, 105, 654-661.	1.8	2
154	Friction and wear characteristics of rice bran oil based biodiesel using calcium oxide catalyst derived from <i>Chicoreus Brunneus</i> shell. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023, 45, 11015-11023.	2.3	2
155	Performance evaluation of a downwind diffuser on vertical axis wind turbine. International Journal of Energy Research, 2022, 46, 351-369.	4.5	2
156	Particulate Matter (PM2.5 and PM10) Concentration of Subway Transfer Stations in Beijing, China. Sustainability, 2022, 14, 1552.	3.2	2
157	Wind tunnel testing of 5-bladed H-rotor wind turbine with the integration of the omni-direction-guide-vane. , 2012, , .		1
158	Design Optimisation of Shroud-augmented Dual-rotor Exhaust Air Energy Recovery Wind Turbine Generator Using Hybrid Non-destructive Evaluation Approach. Energy Procedia, 2014, 61, 1266-1269.	1.8	1
159	Viscosity prediction model optimization for Saraline-based super lightweight completion fluid at high pressure and temperature. Petroleum Exploration and Development, 2016, 43, 863-868.	7.0	1
160	Rheology and Temperature Dependency Study of Saraline-Based Super Lightweight Completion Fluid. , 2016, , .		1
161	On the economic feasibility of the first, second and third generations biodiesel feedstock. , 2017, , .		1
162	Nonlinear Robust Sliding Mode Control for Dynamic Positioning of a Surface Vessel. , 2018, , .		1

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163	Experimental investigation of nonlinear characteristics of a smart fluid damper. AIP Conference Proceedings, 2018, , .	0.4	1
164	Editorial for the special issue on Sustainable Energy and Green Technologies ( <sc>SEGT</sc> 2018). International Journal of Energy Research, 2020, 44, 9244-9245.	4.5	1
165	Feasibility study of polypropylene-based aluminium-air battery. IOP Conference Series: Earth and Environmental Science, 2020, 463, 012155.	0.3	1
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