

Anthony P Roskilly

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.

232
papers

6,047
citations

43
h-index

67
g-index

241
ext. papers

7,298
ext. citations

6.8
avg, IF

6.53
L-index

#	Paper	IF	Citations
232	Pumped thermal energy storage 2022 , 487-502		
231	Economic and environmental analysis of waste-based bioenergy integration into industrial cassava starch processes in Africa. <i>Sustainable Production and Consumption</i> , 2022 , 31, 67-67	8.2	2
230	The techno-economics potential of hydrogen interconnectors for electrical energy transmission and storage. <i>Journal of Cleaner Production</i> , 2022 , 335, 130045	10.3	2
229	Identification and analysis on the variation sources of a dual-cylinder free piston engine generator and their influence on system operating characteristics. <i>Energy</i> , 2022 , 242, 123001	7.9	2
228	Operation and performance of Brayton Pumped Thermal Energy Storage with additional latent storage. <i>Applied Energy</i> , 2022 , 312, 118700	10.7	3
227	Liquid desiccant dehumidification and regeneration process: Advancing correlations for moisture and enthalpy effectiveness. <i>Applied Energy</i> , 2022 , 314, 118962	10.7	0
226	Spray and engine performance of cerium oxide nanopowder and carbon nanotubes modified alternative fuel. <i>Fuel</i> , 2022 , 320, 123952	7.1	1
225	The real-time interaction model for transient mode investigations of a dual-piston free-piston engine generator. <i>Applied Thermal Engineering</i> , 2022 , 118629	5.8	0
224	A techno-economic evaluation of low-grade excess heat recovery and liquid desiccant-based temperature and humidity control in automotive paint shops. <i>Energy Conversion and Management</i> , 2022 , 261, 115654	10.6	1
223	An overview of solutions for airborne viral transmission reduction related to HVAC systems including liquid desiccant air-scrubbing. <i>Energy</i> , 2021 , 244, 122709	7.9	2
222	Thermophysical characterization of magnesium chloride and its application in open sorption thermal energy storage system. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 236, 111528	6.4	0
221	Hydrogen production via ammonia from methane integrated with enhanced oil recovery: A techno-economic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105050	6.8	1
220	Effect of the stroke-to-bore ratio on the performance of a dual-piston free piston engine generator. <i>Applied Thermal Engineering</i> , 2021 , 185, 116456	5.8	4
219	Parametric analysis of a semi-closed-loop linear joule engine generator using argon and oxy-hydrogen combustion. <i>Energy</i> , 2021 , 217, 119357	7.9	5
218	Investigation of the optimum operating condition of a dual piston type free piston engine generator during engine cold start-up process. <i>Applied Thermal Engineering</i> , 2021 , 182, 116124	5.8	6
217	Study of a hybrid pneumatic-combustion engine under steady-state and transient conditions for transport application. <i>International Journal of Engine Research</i> , 2021 , 22, 528-539	2.7	1
216	Numerical Study on Charging Process of Latent Thermal Energy Storage Under Fluctuating Thermal Conditions 2021 , 879-882		

215	A review of compressed air energy systems in vehicle transport. <i>Energy Strategy Reviews</i> , 2021 , 33, 100583	13
214	Applications and technological challenges for heat recovery, storage and utilisation with latent thermal energy storage. <i>Applied Energy</i> , 2021 , 283, 116277	10.7 31
213	The performance and efficiency of novel oxy-hydrogen-argon gas power cycles for zero emission power generation. <i>Energy Conversion and Management</i> , 2021 , 244, 114510	10.6 0
212	Investigation of performance of free-piston engine generator with variable-scavenging-timing technology under unsteady operation condition. <i>Applied Thermal Engineering</i> , 2021 , 196, 117288	5.8 1
211	Experience rates of low-carbon domestic heating technologies in the United Kingdom. <i>Energy Policy</i> , 2021 , 156, 112387	7.2 2
210	Comparative analysis on friction characteristics between free-piston engine generator and traditional crankshaft engine. <i>Energy Conversion and Management</i> , 2021 , 245, 114630	10.6 1
209	A combined heat and green hydrogen (CHH) generator integrated with a heat network. <i>Energy Conversion and Management</i> , 2021 , 246, 114686	10.6 0
208	Performance analysis on a hybrid compression-assisted sorption thermal battery for seasonal heat storage in severe cold region. <i>Renewable Energy</i> , 2021 , 180, 398-409	8.1 1
207	PEF plastic synthesized from industrial carbon dioxide and biowaste. <i>Nature Sustainability</i> , 2020 , 3, 761-767	26
206	Techno-economic analysis on a small-scale organic Rankine cycle with improved thermal driven pump. <i>Energy Conversion and Management</i> , 2020 , 217, 112979	10.6 3
205	Electricity-assisted thermochemical sorption system for seasonal solar energy storage. <i>Energy Conversion and Management</i> , 2020 , 209, 112659	10.6 7
204	The impact of disruptive powertrain technologies on energy consumption and carbon dioxide emissions from heavy-duty vehicles. <i>Energy Conversion and Management: X</i> , 2020 , 6, 100030	2.5 8
203	Comparative analysis on temperature swing adsorption cycle for carbon capture by using internal heat/mass recovery. <i>Applied Thermal Engineering</i> , 2020 , 169, 114973	5.8 15
202	Evaluation of performance characteristics of a novel hydrogen-fuelled free-piston engine generator. <i>International Journal of Hydrogen Energy</i> , 2020 ,	6.7 7
201	The potential of decarbonising rice and wheat by incorporating carbon capture, utilisation and storage into fertiliser production. <i>Green Chemistry</i> , 2020 , 22, 882-894	10 4
200	A review of the current automotive manufacturing practice from an energy perspective. <i>Applied Energy</i> , 2020 , 261, 114074	10.7 45
199	Energy saving technologies and mass-thermal network optimization for decarbonized iron and steel industry: A review. <i>Journal of Cleaner Production</i> , 2020 , 274, 122997	10.3 36
198	The development of a screen valve for reciprocating heat pump/engine applications. <i>Journal of Renewable and Sustainable Energy</i> , 2020 , 12, 054101	2.5 1

197	A hybrid resorption-compression heat transformer for energy storage and upgrade with a large temperature lift. <i>Applied Energy</i> , 2020 , 280, 115910	10.7	6
196	Parametric analysis of a dual-piston type free-piston gasoline engine linear generator. <i>Energy Procedia</i> , 2019 , 158, 1431-1436	2.3	3
195	A preliminary experimental study on a lab-scale Linear Joule Engine prototype. <i>Energy Procedia</i> , 2019 , 158, 2244-2249	2.3	3
194	A Detailed Optimisation of Solar Photovoltaic/Thermal Systems and its Application.. <i>Energy Procedia</i> , 2019 , 158, 1141-1148	2.3	2
193	Study of a novel hybrid refrigeration system for industrial waste heat recovery. <i>Energy Procedia</i> , 2019 , 158, 2196-2201	2.3	6
192	Unconventional fuel pathways for decarbonizing the electrical power generation in Malaysia by 2050. <i>Energy Procedia</i> , 2019 , 158, 4238-4245	2.3	6
191	Moving towards low-carbon manufacturing in the UK automotive industry. <i>Energy Procedia</i> , 2019 , 158, 3381-3386	2.3	14
190	UK policies and industrial stakeholder perspectives on building thermal performance. <i>Energy Procedia</i> , 2019 , 158, 3375-3380	2.3	0
189	Energy Recovery from Brewery Waste: experimental and modelling perspectives. <i>Energy Procedia</i> , 2019 , 161, 24-31	2.3	7
188	Application of Miller cycle with turbocharger and ethanol to reduce NOx and particulates emissions from diesel engine A numerical approach with model validations. <i>Applied Thermal Engineering</i> , 2019 , 150, 904-911	5.8	24
187	Development and thermal characteristics of a novel composite oleic acid for cold storage. <i>International Journal of Refrigeration</i> , 2019 , 100, 55-62	3.8	5
186	The characteristics of a Linear Joule Engine Generator operating on a dry friction principle. <i>Applied Energy</i> , 2019 , 237, 49-59	10.7	10
185	Investigation of thermal characteristics of strontium chloride composite sorbent for sorption refrigeration. <i>Thermal Science and Engineering Progress</i> , 2019 , 10, 179-185	3.6	3
184	Molecular microbial ecology of stable versus failing rice straw anaerobic digesters. <i>Microbial Biotechnology</i> , 2019 , 12, 879-891	6.3	5
183	Techno-economic analysis of a biogas driven poly-generation system for postharvest loss reduction in a Sub-Saharan African rural community. <i>Energy Conversion and Management</i> , 2019 , 196, 591-604	10.6	7
182	Techno-economic analysis of the thermal energy saving options for high-voltage direct current interconnectors. <i>Applied Energy</i> , 2019 , 247, 60-77	10.7	8
181	Post-combustion CO2 capture from a natural gas combined cycle power plant using activated carbon adsorption. <i>Applied Energy</i> , 2019 , 245, 1-15	10.7	55
180	A novel approach for Lithium-ion battery thermal management with streamline shape mini channel cooling plates. <i>Applied Thermal Engineering</i> , 2019 , 157, 113623	5.8	60

179	. <i>IEEE Access</i> , 2019 , 7, 48003-48012	3.5	7
178	Techno-Economic Analysis of a Cogeneration System for Post-Harvest Loss Reduction: A Case Study in Sub-Saharan Rural Community. <i>Energies</i> , 2019 , 12, 872	3.1	11
177	Experimental and numerical study on the initial tip structure evolution of diesel fuel spray under various injection and ambient pressures. <i>Energy</i> , 2019 , 186, 115867	7.9	9
176	Comparative study of using multi-wall carbon nanotube and two different sizes of cerium oxide nanopowders as fuel additives under various diesel engine conditions. <i>Fuel</i> , 2019 , 256, 115904	7.1	27
175	Performance Analysis of a Flexi-Fuel Turbine-Combined Free-Piston Engine Generator. <i>Energies</i> , 2019 , 12, 2657	3.1	2
174	Energy Efficiency in Meat Processing. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , 2019 , 78-107	0.3	
173	Energy economics and environment of energy systems 2019 , 192-206		
172	UK building thermal performance from industrial and governmental perspectives. <i>Applied Energy</i> , 2019 , 237, 270-282	10.7	6
171	Investigation of organic Rankine cycle integrated with double latent thermal energy storage for engine waste heat recovery. <i>Energy</i> , 2019 , 170, 1098-1112	7.9	46
170	Thermal conductivity, permeability and reaction characteristic enhancement of ammonia solid sorbents: A review. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 130, 1206-1225	4.9	11
169	State-of-the-Art Technologies on Low-Grade Heat Recovery and Utilization in Industry 2019 ,		13
168	Experimental investigation of two-phase flow and heat transfer performance in a cooling gallery under forced oscillation. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 132, 1306-1318	4.9	8
167	Recent advances in sustainable drying of agricultural produce: A review. <i>Applied Energy</i> , 2019 , 233-234, 367-385	10.7	85
166	Investigation of equilibrium and dynamic performance of SrCl ₂ -expanded graphite composite in chemisorption refrigeration system. <i>Applied Thermal Engineering</i> , 2019 , 147, 52-60	5.8	17
165	Seasonal solar thermal energy storage using thermochemical sorption in domestic dwellings in the UK. <i>Energy</i> , 2019 , 166, 213-222	7.9	25
164	Lean ignition and blow-off behaviour of butyl butyrate and ethanol blends in a gas turbine combustor. <i>Fuel</i> , 2019 , 239, 1351-1362	7.1	8
163	Performance study of solar photovoltaic-thermal collector for domestic hot water use and thermochemical sorption seasonal storage. <i>Energy Conversion and Management</i> , 2019 , 180, 1068-1084	10.6	23
162	Investigation of the macroscopic characteristics of Hydrotreated Vegetable Oil (HVO) spray using CFD method. <i>Fuel</i> , 2019 , 237, 28-39	7.1	3

161	Analysis on innovative resorption cycle for power and refrigeration cogeneration. <i>Applied Energy</i> , 2018 , 218, 10-21	10.7	7
160	Exploration of ammonia resorption cycle for power generation by using novel composite sorbent. <i>Applied Energy</i> , 2018 , 215, 457-467	10.7	8
159	Technical feasibility study of scroll-type rotary gasoline engine: A compact and efficient small-scale Humphrey cycle engine. <i>Applied Energy</i> , 2018 , 221, 67-74	10.7	10
158	Experimental study of a pneumatic engine with heat supply to improve the overall performance. <i>Applied Thermal Engineering</i> , 2018 , 134, 78-85	5.8	13
157	Effect of fuel injection characteristics on the performance of a free-piston diesel engine linear generator: CFD simulation and experimental results. <i>Energy Conversion and Management</i> , 2018 , 160, 302-312	10.6	25
156	Feasibility study of seasonal solar thermal energy storage in domestic dwellings in the UK. <i>Solar Energy</i> , 2018 , 162, 489-499	6.8	36
155	Investigation on an innovative sorption system to reduce nitrogen oxides of diesel engine by using carbon nanoparticle. <i>Applied Thermal Engineering</i> , 2018 , 134, 29-38	5.8	12
154	Investigation on thermal characteristics of novel composite sorbent with carbon coated iron as additive. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 125, 543-551	4.9	4
153	Thermodynamics and economics of liquid desiccants for heating, ventilation and air-conditioning □ An overview. <i>Applied Energy</i> , 2018 , 220, 455-479	10.7	57
152	Performance exploration of temperature swing adsorption technology for carbon dioxide capture. <i>Energy Conversion and Management</i> , 2018 , 165, 396-404	10.6	41
151	Design, modelling and validation of a linear Joule Engine generator designed for renewable energy sources. <i>Energy Conversion and Management</i> , 2018 , 165, 25-34	10.6	14
150	Investigation on innovative thermal conductive composite strontium chloride for ammonia sorption refrigeration. <i>International Journal of Refrigeration</i> , 2018 , 85, 157-166	3.8	6
149	Investigation on thermal properties of a novel fuel blend and its diesel engine performance. <i>Energy Conversion and Management</i> , 2018 , 171, 1540-1548	10.6	10
148	Microbial community composition and diversity in rice straw digestion bioreactors with and without dairy manure. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 8599-8612	5.7	11
147	A hybrid reverse osmosis/adsorption desalination plant for irrigation and drinking water. <i>Desalination</i> , 2018 , 444, 44-52	10.3	29
146	A study and comparison of frictional losses in free-piston engine and crankshaft engines. <i>Applied Thermal Engineering</i> , 2018 , 140, 217-224	5.8	56
145	Dynamic and thermodynamic characteristics of a linear Joule engine generator with different operating conditions. <i>Energy Conversion and Management</i> , 2018 , 173, 375-382	10.6	7
144	Life cycle sustainability assessment of grid-connected photovoltaic power generation: A case study of Northeast England. <i>Applied Energy</i> , 2018 , 227, 465-479	10.7	29

143	Particulate number and NO trade-off comparisons between HVO and mineral diesel in HD applications. <i>Fuel</i> , 2018 , 215, 90-101	7.1	29
142	Performance analysis on a novel sorption air conditioner for electric vehicles. <i>Energy Conversion and Management</i> , 2018 , 156, 515-524	10.6	25
141	Towards sustainable farming: Feasibility study into energy recovery from bio-waste on a small-scale dairy farm. <i>Journal of Cleaner Production</i> , 2018 , 174, 899-904	10.3	22
140	The Development and Application of Organic Rankine Cycle for Vehicle Waste Heat Recovery 2018 ,		1
139	Investigation of an Innovative Cascade Cycle Combining a Trilateral Cycle and an Organic Rankine Cycle (TLC-ORC) for Industry or Transport Application. <i>Energies</i> , 2018 , 11, 3032	3.1	8
138	Use Cases with Economics and Simulation for Thermo-Chemical District Networks. <i>Sustainability</i> , 2018 , 10, 599	3.6	8
137	Research on the engine combustion characteristics of a free-piston diesel engine linear generator. <i>Energy Conversion and Management</i> , 2018 , 168, 629-638	10.6	9
136	Office building cooling load reduction using thermal analysis method □A case study. <i>Applied Energy</i> , 2017 , 185, 1574-1584	10.7	35
135	Chemisorption power generation driven by low grade heat □Theoretical analysis and comparison with pumpless ORC. <i>Applied Energy</i> , 2017 , 186, 282-290	10.7	18
134	An optimised chemisorption cycle for power generation using low grade heat. <i>Applied Energy</i> , 2017 , 186, 251-261	10.7	15
133	Investigation on performance of multi-salt composite sorbents for multilevel sorption thermal energy storage. <i>Applied Energy</i> , 2017 , 190, 1029-1038	10.7	18
132	Study of different cooling structures on the thermal status of an Internal Combustion Engine. <i>Applied Thermal Engineering</i> , 2017 , 116, 419-432	5.8	10
131	Experimental study of the operation characteristics of an air-driven free-piston linear expander. <i>Applied Energy</i> , 2017 , 195, 93-99	10.7	39
130	Investigation on heat and mass transfer performance of novel composite strontium chloride for sorption reactors. <i>Applied Thermal Engineering</i> , 2017 , 121, 410-418	5.8	27
129	Experimental study of the gaseous and particulate matter emissions from a gas turbine combustor burning butyl butyrate and ethanol blends. <i>Applied Energy</i> , 2017 , 195, 693-701	10.7	39
128	Investigation on an innovative cascading cycle for power and refrigeration cogeneration. <i>Energy Conversion and Management</i> , 2017 , 145, 20-29	10.6	13
127	Design and Parametric Study of an Organic Rankine Cycle using a Scroll Expander for Engine Waste Heat Recovery. <i>Energy Procedia</i> , 2017 , 105, 1420-1425	2.3	7
126	Effect of feeding frequency and organic loading rate on biomethane production in the anaerobic digestion of rice straw. <i>Applied Energy</i> , 2017 , 207, 156-165	10.7	40

125	The first carbon atlas of the state of Kuwait. <i>Energy</i> , 2017 , 133, 317-326	7.9	7
124	Study of a Novel Dual-source Chemisorption Power Generation System Using Scroll Expander. <i>Energy Procedia</i> , 2017 , 105, 921-926	2.3	5
123	A Regional Life Cycle Sustainability Assessment Approach and its Application on Solar Photovoltaic. <i>Energy Procedia</i> , 2017 , 105, 3320-3325	2.3	13
122	Principle investigation on advanced absorption power generation cycles. <i>Energy Conversion and Management</i> , 2017 , 150, 800-813	10.6	18
121	Investigation on a small-scale pumpless Organic Rankine Cycle (ORC) system driven by the low temperature heat source. <i>Applied Energy</i> , 2017 , 195, 478-486	10.7	37
120	Experimental investigation on an innovative resorption system for energy storage and upgrade. <i>Energy Conversion and Management</i> , 2017 , 138, 651-658	10.6	30
119	Investigation and performance study of a dual-source chemisorption power generation cycle using scroll expander. <i>Applied Energy</i> , 2017 , 204, 979-993	10.7	20
118	Disturbance analysis of a free-piston engine generator using a validated fast-response numerical model. <i>Applied Energy</i> , 2017 , 185, 440-451	10.7	20
117	Thermodynamic modelling and parameter determination of ejector for ejection refrigeration systems. <i>International Journal of Refrigeration</i> , 2017 , 75, 117-128	3.8	17
116	Sustainable thermal energy management. <i>Applied Energy</i> , 2017 , 186, 249-250	10.7	6
115	Performance analysis on a novel self-adaptive sorption system to reduce nitrogen oxides emission of diesel engine. <i>Applied Thermal Engineering</i> , 2017 , 127, 1077-1085	5.8	6
114	A techno-economic case study using heat driven absorption refrigeration technology in UK industry. <i>Energy Procedia</i> , 2017 , 123, 173-179	2.3	4
113	Working fluid selection for a small-scale organic Rankine cycle recovering engine waste heat. <i>Energy Procedia</i> , 2017 , 123, 346-352	2.3	5
112	Levelised Cost of Storage for Pumped Heat Energy Storage in comparison with other energy storage technologies. <i>Energy Conversion and Management</i> , 2017 , 152, 221-228	10.6	102
111	Development of a Diesel Engine Thermal Overload Monitoring System with Applications and Test Results. <i>Energies</i> , 2017 , 10, 830	3.1	2
110	Parametric study for small scale engine coolant and exhaust heat recovery system using different Organic Rankine cycle layouts. <i>Applied Thermal Engineering</i> , 2017 , 127, 1252-1266	5.8	27
109	Study on solidification process of sodium acetate trihydrate for seasonal solar thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 172, 99-107	6.4	35
108	Experimental Exploration of a Novel Chemisorption Composite of SrCl ₂ -NEG Adding with Carbon Coated Ni. <i>Energy Procedia</i> , 2017 , 105, 4655-4660	2.3	7

107	Investigation on an innovative resorption system for seasonal thermal energy storage. <i>Energy Conversion and Management</i> , 2017 , 149, 129-139	10.6	28
106	A chemisorption power generation cycle with multi-stage expansion driven by low grade heat. <i>Energy Conversion and Management</i> , 2017 , 150, 956-965	10.6	15
105	Characterization of Lubricant Degeneration and Component Deterioration on Diesel Engine Fueling with Straight Plant Oil. <i>Energy Procedia</i> , 2017 , 105, 636-641	2.3	5
104	Investigation on novel modular sorption thermal cell with improved energy charging and discharging performance. <i>Energy Conversion and Management</i> , 2017 , 148, 110-119	10.6	8
103	Performance analysis on a novel compact two-stage sorption refrigerator driven by low temperature heat source. <i>Energy</i> , 2017 , 135, 476-485	7.9	6
102	Analysis on innovative modular sorption and resorption thermal cell for cold and heat cogeneration. <i>Applied Energy</i> , 2017 , 204, 767-779	10.7	23
101	Numerical study of a hybrid absorption-compression high temperature heat pump for industrial waste heat recovery. <i>Frontiers in Energy</i> , 2017 , 11, 503-509	2.6	5
100	Comparative study of combustion and emissions of kerosene (RP-3), kerosene-pentanol blends and diesel in a compression ignition engine. <i>Applied Energy</i> , 2017 , 203, 91-100	10.7	65
99	The Effect of Feeding Frequency and Organic Loading Rate on the Anaerobic Digestion of Chinese Rice Straw. <i>Energy Procedia</i> , 2017 , 105, 62-67	2.3	4
98	Forecasting Electricity Generation Capacity in Malaysia: An Auto Regressive Integrated Moving Average Approach. <i>Energy Procedia</i> , 2017 , 105, 3471-3478	2.3	16
97	Macroscopic spray characteristics of next-generation bio-derived diesel fuels in comparison to mineral diesel. <i>Applied Energy</i> , 2017 , 186, 562-573	10.7	45
96	Dynamic modelling and experimental validation of scroll expander for small scale power generation system. <i>Applied Energy</i> , 2017 , 186, 262-281	10.7	29
95	Numerical study of using different Organic Rankine cycle working fluids for engine coolant energy recovery. <i>Energy Procedia</i> , 2017 , 142, 1448-1454	2.3	
94	Experimental and Numerical Investigation on the Macroscopic Characteristics of Hydrotreated Vegetable Oil (HVO) Spray. <i>Energy Procedia</i> , 2017 , 142, 474-480	2.3	2
93	Passive Cooling Using Phase Change Material and Insulation for High-rise Office Building in Tropical Climate. <i>Energy Procedia</i> , 2017 , 142, 2295-2302	2.3	12
92	Analysis of a 1 kW organic Rankine cycle using a scroll expander for engine coolant and exhaust heat recovery. <i>Frontiers in Energy</i> , 2017 , 11, 527-534	2.6	9
91	Simulation study of Ferricyanide/Ferrocyanide concentric annulus thermocell with different electrode spacing and cell direction. <i>Energy Procedia</i> , 2017 , 142, 374-380	2.3	4
90	Biogas Tri-generation for Postharvest Processing of Agricultural Products in a Rural Community: Techno-economic Perspectives. <i>Energy Procedia</i> , 2017 , 142, 63-69	2.3	8

89	Study on the thermal interaction and heat dissipation of cylindrical Lithium-Ion Battery cells. <i>Energy Procedia</i> , 2017 , 142, 4029-4036	2.3	25
88	Optimization of Malaysia's power generation mix to meet the electricity demand by 2050. <i>Energy Procedia</i> , 2017 , 142, 2844-2851	2.3	16
87	Evaluation of ideal double-tank hybrid pneumatic engine system under different compression cycle scenarios. <i>Energy Procedia</i> , 2017 , 142, 1388-1394	2.3	3
86	Experiment study of multi-fans cooling module using different shroud structures for advanced vehicle thermal management system. <i>Energy Procedia</i> , 2017 , 142, 3968-3974	2.3	3
85	Effect of Fire-Deck Thickness on thermal status of cylinder head. <i>Energy Procedia</i> , 2017 , 142, 4022-4028	2.3	2
84	Conceptual study of scroll-type rotary gasoline Internal Combustion Engine. <i>Energy Procedia</i> , 2017 , 142, 1545-1551	2.3	1
83	Development and testing of novel Chemisorption Composite using SrCl ₂ -NEG adding with Carbon coated Ni and Al. <i>Energy Procedia</i> , 2017 , 142, 4037-4043	2.3	2
82	Investigation of a novel composite sorbent for improved sorption characteristic. <i>Energy Procedia</i> , 2017 , 142, 1455-1461	2.3	1
81	Fundamental Analysis of Thermal Overload in Diesel Engines: Hypothesis and Validation. <i>Energies</i> , 2017 , 10, 329	3.1	5
80	A Decoupled Design Parameter Analysis for Free-Piston Engine Generators. <i>Energies</i> , 2017 , 10, 486	3.1	3
79	Investigation on the Effect of the Gas Exchange Process on the Diesel Engine Thermal Overload with Experimental Results. <i>Energies</i> , 2017 , 10, 766	3.1	5
78	QUANTIFYING THE EFFECTS OF FUEL COMPOSITIONS AND PROCESS VARIABLES ON PLANAR SURFACE AREA AND SPRAY NONUNIFORMITY VIA COMBINED MIXTURE-PROCESS DESIGN OF EXPERIMENT. <i>Atomization and Sprays</i> , 2017 , 27, 707-722	1.2	2
77	A comparative life cycle assessment of marine power systems. <i>Energy Conversion and Management</i> , 2016 , 127, 477-493	10.6	29
76	An operational and economic study of a reverse osmosis desalination system for potable water and land irrigation. <i>Desalination</i> , 2016 , 397, 174-184	10.3	100
75	Fabrication and thermal conductivity improvement of novel composite adsorbents adding with nanoparticles. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2016 , 29, 1114-1119	2.5	13
74	Life cycle assessment (LCA) [From analysing methodology development to introducing an LCA framework for marine photovoltaic (PV) systems. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 59, 352-378	16.2	53
73	A fast response free-piston engine generator numerical model for control applications. <i>Applied Energy</i> , 2016 , 162, 321-329	10.7	48
72	Performance analysis of ultralow grade waste heat upgrade using absorption heat transformer. <i>Applied Thermal Engineering</i> , 2016 , 101, 350-361	5.8	18

71	Effect of closed-loop controlled resonance based mechanism to start free piston engine generator: Simulation and test results. <i>Applied Energy</i> , 2016 , 164, 532-539	10.7	49
70	Design and simulation of a two- or four-stroke free-piston engine generator for range extender applications. <i>Energy Conversion and Management</i> , 2016 , 111, 289-298	10.6	71
69	Research on combustion process of a free piston diesel linear generator. <i>Applied Energy</i> , 2016 , 161, 395-403	10.7	63
68	Integrated chemisorption cycles for ultra-low grade heat recovery and thermo-electric energy storage and exploitation. <i>Applied Energy</i> , 2016 , 164, 228-236	10.7	29
67	Investigating a conventional and retrofit power plant on-board a Roll-on/Roll-off cargo ship from a sustainability perspective I A life cycle assessment case study. <i>Energy Conversion and Management</i> , 2016 , 117, 305-318	10.6	24
66	Quality and Energy Evaluation in Meat Cooking. <i>Food Engineering Reviews</i> , 2016 , 8, 435-447	6.5	62
65	Investigating the implications of a new-build hybrid power system for Roll-on/Roll-off cargo ships from a sustainability perspective I A life cycle assessment case study. <i>Applied Energy</i> , 2016 , 181, 416-434	10.7	33
64	Piston motion control of a free-piston engine generator: A new approach using cascade control. <i>Applied Energy</i> , 2016 , 179, 1166-1175	10.7	48
63	Heat utilisation technologies: A critical review of heat pipes. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 50, 615-627	16.2	77
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