

Anthony P Roskilly

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.

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	A review of free-piston engine history and applications. <i>Applied Thermal Engineering</i> , 2007 , 27, 2339-2352	5.8	287
231	Experimental investigation on the performance and emissions of a diesel engine fuelled with ethanol/diesel blends. <i>Applied Thermal Engineering</i> , 2009 , 29, 2484-2490	5.8	215
230	Low grade thermal energy sources and uses from the process industry in the UK. <i>Applied Energy</i> , 2012 , 89, 3-20	10.7	212
229	A review of chemical heat pumps, thermodynamic cycles and thermal energy storage technologies for low grade heat utilisation. <i>Applied Thermal Engineering</i> , 2013 , 50, 1257-1273	5.8	138
228	The design and simulation of a two-stroke free-piston compression ignition engine for electrical power generation. <i>Applied Thermal Engineering</i> , 2008 , 28, 589-600	5.8	135
227	The control of a free-piston engine generator. Part 1: Fundamental analyses. <i>Applied Energy</i> , 2010 , 87, 1273-1280	10.7	109
226	The control of a free-piston engine generator. Part 2: Engine dynamics and piston motion control. <i>Applied Energy</i> , 2010 , 87, 1281-1287	10.7	106
225	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
224	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
223	A computational study of free-piston diesel engine combustion. <i>Applied Energy</i> , 2009 , 86, 1136-1143	10.7	95
222	Development and validation of a free-piston engine generator numerical model. <i>Energy Conversion and Management</i> , 2015 , 91, 333-341	10.6	94
221	Predictive piston motion control in a free-piston internal combustion engine. <i>Applied Energy</i> , 2010 , 87, 1722-1728	10.7	89
220	Recent advances in sustainable drying of agricultural produce: A review. <i>Applied Energy</i> , 2019 , 233-234, 367-385	10.7	85
219	An experimental investigation into the starting process of free-piston engine generator. <i>Applied Energy</i> , 2015 , 157, 798-804	10.7	80
218	Heat utilisation technologies: A critical review of heat pipes. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 50, 615-627	16.2	77
217	The performance and the gaseous emissions of two small marine craft diesel engines fuelled with biodiesel. <i>Applied Thermal Engineering</i> , 2008 , 28, 872-880	5.8	77
216	Performance simulation of a spark ignited free-piston engine generator. <i>Applied Thermal Engineering</i> , 2008 , 28, 1726-1733	5.8	76

215	Coupled dynamic multidimensional modelling of free-piston engine combustion. <i>Applied Energy</i> , 2009 , 86, 89-95	10.7	75
214	Recent commercial free-piston engine developments for automotive applications. <i>Applied Thermal Engineering</i> , 2015 , 75, 493-503	5.8	73
213	Comparative study of performance and emissions of a diesel engine using Chinese pistache and jatropha biodiesel. <i>Fuel Processing Technology</i> , 2010 , 91, 1761-1767	7.2	73
212	An analytic study of applying Miller cycle to reduce NOx emission from petrol engine. <i>Applied Thermal Engineering</i> , 2007 , 27, 1779-1789	5.8	73
211	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
210	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
209	Comparative techno-economic analysis of biomass fuelled combined heat and power for commercial buildings. <i>Applied Energy</i> , 2013 , 112, 518-525	10.7	64
208	Research on combustion process of a free piston diesel linear generator. <i>Applied Energy</i> , 2016 , 161, 395-403	10.7	63
207	A comparison of Miller and Otto cycle natural gas engines for small scale CHP applications. <i>Applied Energy</i> , 2009 , 86, 922-927	10.7	63
206	Quality and Energy Evaluation in Meat Cooking. <i>Food Engineering Reviews</i> , 2016 , 8, 435-447	6.5	62
205	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
204	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
203	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
202	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
201	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
200	Application of the Miller cycle to reduce NOx emissions from petrol engines. <i>Applied Energy</i> , 2008 , 85, 463-474	10.7	51
199	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
198	A fast response free-piston engine generator numerical model for control applications. <i>Applied Energy</i> , 2016 , 162, 321-329	10.7	48

197	A resorption cycle for the cogeneration of electricity and refrigeration. <i>Applied Energy</i> , 2013 , 106, 56-64	10.7	48
196	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
195	Biochar and renewable energy generation from poultry litter waste: A technical and economic analysis based on computational simulations. <i>Applied Energy</i> , 2015 , 160, 656-663	10.7	47
194	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
193	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
192	A review of the current automotive manufacturing practice from an energy perspective. <i>Applied Energy</i> , 2020 , 261, 114074	10.7	45
191	Modelling of a chemisorption refrigeration and power cogeneration system. <i>Applied Energy</i> , 2014 , 119, 351-362	10.7	43
190	Performance exploration of temperature swing adsorption technology for carbon dioxide capture. <i>Energy Conversion and Management</i> , 2018 , 165, 396-404	10.6	41
189	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
188	Reprint of A review of chemical heat pumps, thermodynamic cycles and thermal energy storage technologies for low grade heat utilisation. <i>Applied Thermal Engineering</i> , 2013 , 53, 160-176	5.8	40
187	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
186	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
185	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
184	Stable Operation and Electricity Generating Characteristics of a Single-Cylinder Free Piston Engine Linear Generator: Simulation and Experiments. <i>Energies</i> , 2015 , 8, 765-785	3.1	37
183	Thermodynamic analysis of ammonia-water power/chilling cogeneration cycle with low-grade waste heat. <i>Applied Thermal Engineering</i> , 2014 , 64, 483-490	5.8	37
182	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
181	Algae to Energy: Engine Performance Using Raw Algal Oil. <i>Energy Procedia</i> , 2014 , 61, 656-659	2.3	36
180	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

179	Office building cooling load reduction using thermal analysis method [A case study. <i>Applied Energy</i> , 2017 , 185, 1574-1584	10.7	35
178	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
177	Desalination using low grade heat in the process industry: Challenges and perspectives. <i>Applied Thermal Engineering</i> , 2012 , 48, 446-457	5.8	34
176	Modelling and simulation of a distributed power generation system with energy storage to meet dynamic household electricity demand. <i>Applied Thermal Engineering</i> , 2013 , 50, 523-535	5.8	34
175	Design and assessment on a novel integrated system for power and refrigeration using waste heat from diesel engine. <i>Applied Thermal Engineering</i> , 2015 , 91, 591-599	5.8	33
174	Reciprocating Joule-cycle engine for domestic CHP systems. <i>Applied Energy</i> , 2005 , 80, 169-185	10.7	33
173	Investigating the implications of a new-build hybrid power system for Roll-on/Roll-off cargo ships from a sustainability perspective [A life cycle assessment case study. <i>Applied Energy</i> , 2016 , 181, 416-434	10.7	33
172	Analysis of an optimal resorption cogeneration using mass and heat recovery processes. <i>Applied Energy</i> , 2015 , 160, 892-901	10.7	31
171	Opportunities and barriers for efficient energy use in a medium-sized brewery. <i>Applied Thermal Engineering</i> , 2013 , 53, 397-404	5.8	31
170	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
169	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
168	A comparative life cycle assessment of marine power systems. <i>Energy Conversion and Management</i> , 2016 , 127, 477-493	10.6	29
167	A hybrid reverse osmosis/adsorption desalination plant for irrigation and drinking water. <i>Desalination</i> , 2018 , 444, 44-52	10.3	29
166	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
165	An investigation of a household size trigeneration running with hydrogen. <i>Applied Energy</i> , 2011 , 88, 2176-2182	10.7	29
164	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
163	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
162	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

161	Chemisorption cooling and electric power cogeneration system driven by low grade heat. <i>Energy</i> , 2014 , 72, 590-598	7.9	28
160	Investigation on an innovative resorption system for seasonal thermal energy storage. <i>Energy Conversion and Management</i> , 2017 , 149, 129-139	10.6	28
159	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
158	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
157	Investigation of the Starting Process of Free-piston Engine Generator by Mechanical Resonance. <i>Energy Procedia</i> , 2014 , 61, 572-577	2.3	27
156	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
155	Solar Powered Cascading Cogeneration Cycle with ORC and Adsorption Technology for Electricity and Refrigeration. <i>Heat Transfer Engineering</i> , 2014 , 35, 1028-1034	1.7	27
154	PEF plastic synthesized from industrial carbon dioxide and biowaste. <i>Nature Sustainability</i> , 2020 , 3, 761-767	2.6	26
153	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
152	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
151	Seasonal solar thermal energy storage using thermochemical sorption in domestic dwellings in the UK. <i>Energy</i> , 2019 , 166, 213-222	7.9	25
150	Performance analysis on a novel sorption air conditioner for electric vehicles. <i>Energy Conversion and Management</i> , 2018 , 156, 515-524	10.6	25
149	Application of Miller cycle with turbocharger and ethanol to reduce NOx and particulates emissions from diesel engine \square a numerical approach with model validations. <i>Applied Thermal Engineering</i> , 2019 , 150, 904-911	5.8	24
148	Investigating a conventional and retrofit power plant on-board a Roll-on/Roll-off cargo ship from a sustainability perspective \square a life cycle assessment case study. <i>Energy Conversion and Management</i> , 2016 , 117, 305-318	10.6	24
147	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
146	Development Approach of a Spark-Ignited Free-Piston Engine Generator 2014 ,		23
145	Investigations into the effects of illumination and acceleration on optical mouse sensors as contact-free 2D measurement devices. <i>Sensors and Actuators A: Physical</i> , 2009 , 149, 87-92	3.9	23
144	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

143	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
142	Experimental study of the performance and emission characteristics of diesel engine using direct and indirect injection systems and different fuels. <i>Fuel Processing Technology</i> , 2011 , 92, 1380-1386	7.2	21
141	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
140	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
139	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
138	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
137	Principle investigation on advanced absorption power generation cycles. <i>Energy Conversion and Management</i> , 2017 , 150, 800-813	10.6	18
136	Performance analysis of ultralow grade waste heat upgrade using absorption heat transformer. <i>Applied Thermal Engineering</i> , 2016 , 101, 350-361	5.8	18
135	Thermodynamic modelling and parameter determination of ejector for ejection refrigeration systems. <i>International Journal of Refrigeration</i> , 2017 , 75, 117-128	3.8	17
134	Trigeneration running with raw jatropha oil. <i>Fuel Processing Technology</i> , 2010 , 91, 348-353	7.2	17
133	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
132	Forecasting Electricity Generation Capacity in Malaysia: An Auto Regressive Integrated Moving Average Approach. <i>Energy Procedia</i> , 2017 , 105, 3471-3478	2.3	16
131	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
130	Design and performance analysis of a resorption cogeneration system. <i>International Journal of Low-Carbon Technologies</i> , 2013 , 8, i85-i91	2.8	16
129	An optimised chemisorption cycle for power generation using low grade heat. <i>Applied Energy</i> , 2017 , 186, 251-261	10.7	15
128	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
127	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
126	Moving towards low-carbon manufacturing in the UK automotive industry. <i>Energy Procedia</i> , 2019 , 158, 3381-3386	2.3	14

125	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
124	Investigation on an innovative cascading cycle for power and refrigeration cogeneration. <i>Energy Conversion and Management</i> , 2017 , 145, 20-29	10.6	13
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	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
121	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
120	The fuel efficiency and exhaust gas emissions of a low heat rejection free-piston diesel engine. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2009 , 223, 379-386	1.6	13
119	State-of-the-Art Technologies on Low-Grade Heat Recovery and Utilization in Industry 2019 ,		13
118	A review of compressed air energy systems in vehicle transport. <i>Energy Strategy Reviews</i> , 2021 , 33, 100583	5.3	13
117	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
116	Waste biomass from production process co-firing with coal in a steam boiler to reduce fossil fuel consumption: A case study. <i>Journal of Energy Chemistry</i> , 2013 , 22, 413-419	12	12
115	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
114	Design and Parametric Analysis of Linear Joule-cycle Engine with Out-of-cylinder Combustion. <i>Energy Procedia</i> , 2014 , 61, 1111-1114	2.3	12
113	Croton megalocarpus oil-fired micro-trigeneration prototype for remote and self-contained applications: experimental assessment of its performance and gaseous and particulate emissions. <i>Interface Focus</i> , 2013 , 3, 20120041	3.9	12
112	The application of FLOX/COSTAIR technologies to reduce NOx emissions from coal/biomass fired power plant: A technical assessment based on computational simulation. <i>Fuel</i> , 2007 , 86, 2101-2108	7.1	12
111	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
110	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
109	Reprint of Desalination using low grade heat in the process industry: Challenges and perspectives. <i>Applied Thermal Engineering</i> , 2013 , 53, 234-245	5.8	11
108	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

107	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
106	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
105	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
104	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
103	Techno-economic Analysis of BioChar Production and Energy Generation from Poultry Litter Waste. <i>Energy Procedia</i> , 2014 , 61, 714-717	2.3	10
102	Phase change material thermal storage for biofuel preheating in micro trigeneration application: A numerical study. <i>Applied Energy</i> , 2015 , 137, 832-844	10.7	9
101	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
100	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
99	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
98	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
97	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
96	Exploration of ammonia resorption cycle for power generation by using novel composite sorbent. <i>Applied Energy</i> , 2018 , 215, 457-467	10.7	8
95	Optimisation of a Novel Resorption Cogeneration Using Mass and Heat Recovery. <i>Energy Procedia</i> , 2014 , 61, 1103-1106	2.3	8
94	Micro distributed energy system driven with preheated Croton megalocarpus oil [A performance and particulate emission study. <i>Applied Energy</i> , 2013 , 112, 1383-1392	10.7	8
93	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
92	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
91	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
90	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

89	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
88	Use Cases with Economics and Simulation for Thermo-Chemical District Networks. <i>Sustainability</i> , 2018 , 10, 599	3.6	8
87	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
86	The first carbon atlas of the state of Kuwait. <i>Energy</i> , 2017 , 133, 317-326	7.9	7
85	Energy Recovery from Brewery Waste: experimental and modelling perspectives. <i>Energy Procedia</i> , 2019 , 161, 24-31	2.3	7
84	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
83	. <i>IEEE Access</i> , 2019 , 7, 48003-48012	3.5	7
82	Electricity-assisted thermochemical sorption system for seasonal solar energy storage. <i>Energy Conversion and Management</i> , 2020 , 209, 112659	10.6	7
81	Evaluation of performance characteristics of a novel hydrogen-fuelled free-piston engine generator. <i>International Journal of Hydrogen Energy</i> , 2020 ,	6.7	7
80	Analysis on innovative resorption cycle for power and refrigeration cogeneration. <i>Applied Energy</i> , 2018 , 218, 10-21	10.7	7
79	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
78	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
77	Reprint of Modelling and simulation of a distributed power generation system with energy storage to meet dynamic household electricity demand. <i>Applied Thermal Engineering</i> , 2013 , 53, 312-324	5.8	7
76	Cleaning by means of the HISMAR autonomous robot. <i>Russian Engineering Research</i> , 2011 , 31, 589-592	1	7
75	Sustainable thermal energy management. <i>Applied Energy</i> , 2017 , 186, 249-250	10.7	6
74	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
73	Study of a novel hybrid refrigeration system for industrial waste heat recovery. <i>Energy Procedia</i> , 2019 , 158, 2196-2201	2.3	6
72	Unconventional fuel pathways for decarbonizing the electrical power generation in Malaysia by 2050. <i>Energy Procedia</i> , 2019 , 158, 4238-4245	2.3	6

71	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
70	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
69	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
68	UK building thermal performance from industrial and governmental perspectives. <i>Applied Energy</i> , 2019 , 237, 270-282	10.7	6
67	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
66	Study of a Novel Dual-source Chemisorption Power Generation System Using Scroll Expander. <i>Energy Procedia</i> , 2017 , 105, 921-926	2.3	5
65	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
64	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
63	Molecular microbial ecology of stable versus failing rice straw anaerobic digesters. <i>Microbial Biotechnology</i> , 2019 , 12, 879-891	6.3	5
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