

Savvas A Tassou

List of Publications by Year in descending order

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202
papers

8,644
citations

41344

49
h-index

56724

83
g-index

207
all docs

207
docs citations

207
times ranked

6397
citing authors

#	ARTICLE	IF	CITATIONS
1	Waste heat recovery technologies and applications. Thermal Science and Engineering Progress, 2018, 6, 268-289.	2.7	606
2	Design and construction of a LiBr-H ₂ O water absorption machine. Energy Conversion and Management, 2003, 44, 2483-2508.	9.2	329
3	Thermal analysis on metal-foam filled heat exchangers. Part I: Metal-foam filled pipes. International Journal of Heat and Mass Transfer, 2006, 49, 2751-2761.	4.8	304
4	Food transport refrigeration – Approaches to reduce energy consumption and environmental impacts of road transport. Applied Thermal Engineering, 2009, 29, 1467-1477.	6.0	266
5	Review of supercritical CO ₂ technologies and systems for power generation. Applied Thermal Engineering, 2021, 185, 116447.	6.0	206
6	A review of emerging technologies for food refrigeration applications. Applied Thermal Engineering, 2010, 30, 263-276.	6.0	186
7	Measures used to lower building energy consumption and their cost effectiveness. Applied Energy, 2002, 73, 299-328.	10.1	177
8	Energy consumption and conservation in food retailing. Applied Thermal Engineering, 2011, 31, 147-156.	6.0	167
9	Thermal analysis on metal-foam filled heat exchangers. Part II: Tube heat exchangers. International Journal of Heat and Mass Transfer, 2006, 49, 2762-2770.	4.8	163
10	Variable-speed capacity control in refrigeration systems. Applied Thermal Engineering, 1996, 16, 103-113.	6.0	147
11	Modelling and simulation of an absorption solar cooling system for Cyprus. Solar Energy, 2002, 72, 43-51.	6.1	147
12	Modelling, simulation and warming impact assessment of a domestic-size absorption solar cooling system. Applied Thermal Engineering, 2002, 22, 1313-1325.	6.0	145
13	A systematic review on the recent advances of the energy efficiency improvements in non-conventional food drying technologies. Trends in Food Science and Technology, 2020, 100, 67-76.	15.1	122
14	Evaluation of the application of Phase Change Materials (PCM) on the envelope of a typical dwelling in the Mediterranean region. Renewable Energy, 2016, 97, 24-32.	8.9	113
15	A review of simple to scientific models for anaerobic digestion. Renewable Energy, 2014, 71, 701-714.	8.9	112
16	Techno-economic assessment of Joule-Brayton cycle architectures for heat to power conversion from high-grade heat sources using CO ₂ in the supercritical state. Energy, 2018, 148, 1140-1152.	8.8	110
17	Review of solar and low energy cooling technologies for buildings. Renewable and Sustainable Energy Reviews, 2002, 6, 557-572.	16.4	109
18	Experimental and numerical investigations of the optical and thermal aspects of a PCM-glazed unit. Energy and Buildings, 2013, 61, 239-249.	6.7	105

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19	Thermodynamic analysis of transcritical CO ₂ booster refrigeration systems in supermarket. <i>Energy Conversion and Management</i> , 2011, 52, 1868-1875.	9.2	101
20	Analytical considerations of thermal radiation in cellular metal foams with open cells. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 929-940.	4.8	100
21	Present and future applications of ice slurries. <i>International Journal of Refrigeration</i> , 2005, 28, 115-121.	3.4	97
22	Energy analysis of alternative CO ₂ refrigeration system configurations for retail food applications in moderate and warm climates. <i>Energy Conversion and Management</i> , 2017, 150, 822-829.	9.2	93
23	Heat transfer and pressure drop of ice slurries in plate heat exchangers. <i>Applied Thermal Engineering</i> , 2002, 22, 721-732.	6.0	88
24	Fault diagnosis and refrigerant leak detection in vapour compression refrigeration systems. <i>International Journal of Refrigeration</i> , 2005, 28, 680-688.	3.4	86
25	Performance evaluation of a tri-generation system with simulation and experiment. <i>Applied Energy</i> , 2009, 86, 2317-2326.	10.1	85
26	Myo-inositol based nano-PCM for solar thermal energy storage. <i>Applied Thermal Engineering</i> , 2017, 110, 564-572.	6.0	83
27	Experimental investigations into power generation with low grade waste heat and R245fa Organic Rankine Cycles (ORCs). <i>Applied Thermal Engineering</i> , 2017, 115, 815-824.	6.0	82
28	Coupled TRNSYS-CFD simulations evaluating the performance of PCM plate heat exchangers in an airport terminal building displacement conditioning system. <i>Building and Environment</i> , 2013, 65, 132-145.	6.9	79
29	CFD modelling development and experimental validation of a phase change material (PCM) heat exchanger with spiral-wired tubes. <i>Energy Conversion and Management</i> , 2018, 157, 498-510.	9.2	79
30	Quality assurance in microwave food processing and the enabling potentials of solid-state power generators: A review. <i>Journal of Food Engineering</i> , 2018, 234, 1-15.	5.2	78
31	Design and simulation of a PV and a PV&Wind standalone energy system to power a household application. <i>Renewable Energy</i> , 2012, 37, 355-363.	8.9	76
32	Comparative performance evaluation of positive displacement compressors in variable-speed refrigeration applications. <i>International Journal of Refrigeration</i> , 1998, 21, 29-41.	3.4	75
33	Experimental study of the thermal characteristics of phase change slurries for active cooling. <i>Applied Energy</i> , 2012, 91, 366-374.	10.1	73
34	Experimental and theoretical investigation of a flat heat pipe heat exchanger for waste heat recovery in the steel industry. <i>Energy</i> , 2017, 141, 1928-1939.	8.8	73
35	Energy analysis of buildings employing thermal mass in Cyprus. <i>Renewable Energy</i> , 2002, 27, 353-368.	8.9	69
36	The use of multiple criteria decision making methodologies for the promotion of RES through funding schemes in Cyprus, A review. <i>Energy Policy</i> , 2010, 38, 7783-7792.	8.8	68

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37	Characterization and experimental investigation of phase change materials for chilled food refrigerated cabinet applications. <i>Applied Energy</i> , 2013, 112, 1376-1382.	10.1	68
38	Priority research questions for the UK food system. <i>Food Security</i> , 2013, 5, 617-636.	5.3	67
39	Strategic planning, transfer and implementation of Advanced Manufacturing Technologies (AMT). Development of an integrated process plan. <i>Technovation</i> , 2002, 22, 201-212.	7.8	66
40	Effectiveness of CFD simulation for the performance prediction of phase change building boards in the thermal environment control of indoor spaces. <i>Building and Environment</i> , 2013, 59, 612-625.	6.9	65
41	Numerical modelling and transient analysis of a printed circuit heat exchanger used as recuperator for supercritical CO ₂ heat to power conversion systems. <i>Applied Thermal Engineering</i> , 2019, 161, 114190.	6.0	64
42	Waste Heat Recovery in the EU industry and proposed new technologies. <i>Energy Procedia</i> , 2019, 161, 489-496.	1.8	64
43	Modeling of the modern houses of Cyprus and energy consumption analysis. <i>Energy</i> , 2000, 25, 915-937.	8.8	62
44	Sensitivity of refrigeration system performance to charge levels and parameters for on-line leak detection. <i>Applied Thermal Engineering</i> , 2005, 25, 557-566.	6.0	62
45	Simulation of the performance of single jet air curtains for vertical refrigerated display cabinets. <i>Applied Thermal Engineering</i> , 2001, 21, 201-219.	6.0	59
46	Estimating the waste heat recovery in the European Union Industry. <i>Energy, Ecology and Environment</i> , 2019, 4, 211-221.	3.9	57
47	A review of printed circuit heat exchangers for helium and supercritical CO ₂ Brayton cycles. <i>Thermal Science and Engineering Progress</i> , 2020, 18, 100543.	2.7	55
48	Review of supercritical carbon dioxide (sCO ₂) technologies for high-grade waste heat to power conversion. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	53
49	Measurements of ground temperatures in Cyprus for ground thermal applications. <i>Renewable Energy</i> , 2011, 36, 804-814.	8.9	52
50	Preliminary assessment of waste heat potential in major European industries. <i>Energy Procedia</i> , 2017, 123, 335-345.	1.8	52
51	Performance evaluation of integrated trigeneration and CO ₂ refrigeration systems. <i>Applied Thermal Engineering</i> , 2013, 50, 1487-1495.	6.0	50
52	Crossing CO ₂ equator with the aid of multi-ejector concept: A comprehensive energy and environmental comparative study. <i>Energy</i> , 2018, 164, 236-263.	8.8	50
53	Numerical modeling of a two-phase twin-screw expander for Trilateral Flash Cycle applications. <i>International Journal of Refrigeration</i> , 2018, 88, 248-259.	3.4	49
54	The novel use of phase change materials in a refrigerated display cabinet: An experimental investigation. <i>Applied Thermal Engineering</i> , 2015, 75, 770-778.	6.0	48

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55	Trigeneration in food retail: An energetic, economic and environmental evaluation for a supermarket application. <i>Applied Thermal Engineering</i> , 2009, 29, 2624-2632.	6.0	47
56	Electrocoagulation treatment of dairy processing and slaughterhouse wastewaters. <i>Energy Procedia</i> , 2019, 161, 343-351.	1.8	46
57	Control optimisation of CO ₂ cycles for medium temperature retail food refrigeration systems. <i>International Journal of Refrigeration</i> , 2009, 32, 1376-1388.	3.4	44
58	Modeling and assessment of the efficiency of horizontal and vertical ground heat exchangers. <i>Energy</i> , 2013, 58, 655-663.	8.8	44
59	Thermodynamic analysis and comparison between CO ₂ transcritical power cycles and R245fa organic Rankine cycles for low grade heat to power energy conversion. <i>Applied Thermal Engineering</i> , 2016, 106, 1290-1299.	6.0	44
60	Modelling the environment within a wet air-cooled vegetable store. <i>Journal of Food Engineering</i> , 1998, 38, 169-187.	5.2	42
61	An environmental evaluation of food supply chain using life cycle assessment: A case study on gluten free biscuit products. <i>Journal of Cleaner Production</i> , 2018, 170, 451-461.	9.3	42
62	A Review of Airside Heat Transfer Augmentation with Vortex Generators on Heat Transfer Surface. <i>Energies</i> , 2018, 11, 2737.	3.1	42
63	Advanced manufacturing technology transfer and implementation in developing countries. <i>Technovation</i> , 2000, 20, 93-102.	7.8	41
64	Application of tri-generation systems to the food retail industry. <i>Energy Conversion and Management</i> , 2007, 48, 2988-2995.	9.2	41
65	Frozen food retail: Measuring and modelling energy use and space environmental systems in an operational supermarket. <i>Energy and Buildings</i> , 2017, 144, 129-143.	6.7	41
66	State-of-the-art technologies for transcritical R744 refrigeration systems – a theoretical assessment of energy advantages for European food retail industry. <i>Energy Procedia</i> , 2017, 123, 46-53.	1.8	41
67	Effects of latent heat storage and controls on stability and performance of a solar assisted heat pump system for domestic hot water production. <i>Solar Energy</i> , 2017, 150, 394-407.	6.1	40
68	Techno-economic comparison of different cycle architectures for high temperature waste heat to power conversion systems using CO ₂ in supercritical phase. <i>Energy Procedia</i> , 2017, 123, 305-312.	1.8	40
69	Performance evaluation of a low-grade power generation system with CO ₂ transcritical power cycles. <i>Applied Energy</i> , 2018, 227, 220-230.	10.1	40
70	Performance evaluation and optimal design of supermarket refrigeration systems with supermarket model – SuperSim – Part II: Model applications. <i>International Journal of Refrigeration</i> , 2011, 34, 540-549.	3.4	37
71	Design optimisation of CO ₂ gas cooler/condenser in a refrigeration system. <i>Applied Energy</i> , 2015, 160, 973-981.	10.1	37
72	Enhancing the performance of evaporative spray cooling in air cycle refrigeration and air conditioning technology. <i>Applied Thermal Engineering</i> , 1998, 18, 1139-1148.	6.0	36

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73	Simulation of multi-deck medium temperature display cabinets with the integration of CFD and cooling coil models. <i>Applied Energy</i> , 2010, 87, 3178-3188.	10.1	35
74	Performance evaluation and optimal design of supermarket refrigeration systems with supermarket model "SuperSim", Part I: Model description and validation. <i>International Journal of Refrigeration</i> , 2011, 34, 527-539.	3.4	35
75	Improved simulation of phase change processes in applications where conduction is the dominant heat transfer mode. <i>Energy and Buildings</i> , 2012, 47, 353-359.	6.7	35
76	Environmental impacts of vapour compression and cryogenic transport refrigeration technologies for temperature controlled food distribution. <i>Energy Conversion and Management</i> , 2017, 150, 914-923.	9.2	35
77	Comparison of the performance of capacity controlled and conventional on/off controlled heat pumps. <i>Applied Energy</i> , 1983, 14, 241-256.	10.1	34
78	The novel use of phase change materials in an open type refrigerated display cabinet: A theoretical investigation. <i>Applied Energy</i> , 2016, 180, 76-85.	10.1	34
79	Development and analysis of a packaged Trilateral Flash Cycle system for low grade heat to power conversion applications. <i>Thermal Science and Engineering Progress</i> , 2017, 4, 113-121.	2.7	34
80	Measurement and analysis of thermal properties of rocks for the compilation of geothermal maps of Cyprus. <i>Renewable Energy</i> , 2016, 88, 418-429.	8.9	32
81	Investigations into air and refrigerant side heat transfer coefficients of finned-tube CO ₂ gas coolers. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 168-180.	4.8	32
82	Potential for Energy Production from Farm Wastes Using Anaerobic Digestion in the UK: An Economic Comparison of Different Size Plants. <i>Energies</i> , 2017, 10, 1396.	3.1	32
83	Fast Pyrolysis of Poultry Litter in a Bubbling Fluidised Bed Reactor: Energy and Nutrient Recovery. <i>Sustainability</i> , 2019, 11, 2533.	3.2	30
84	Agricultural greenhouse CO ₂ utilization in anaerobic-digestion-based biomethane production plants: A techno-economic and environmental assessment and comparison with CO ₂ geological storage. <i>Applied Energy</i> , 2019, 242, 1753-1766.	10.1	30
85	Investigations into nanofluids as direct solar radiation collectors. <i>Solar Energy</i> , 2017, 147, 426-431.	6.1	29
86	An appraisal of proportional integral control strategies for small scale waste heat to power conversion units based on Organic Rankine Cycles. <i>Energy</i> , 2018, 163, 1062-1076.	8.8	29
87	Control optimizations for heat recovery from CO ₂ refrigeration systems in supermarket. <i>Energy Conversion and Management</i> , 2014, 78, 245-252.	9.2	28
88	An assessment of the biomass potential of Cyprus for energy production. <i>Energy</i> , 2012, 47, 253-261.	8.8	27
89	Design of radial turbomachinery for supercritical CO ₂ systems using theoretical and numerical CFD methodologies. <i>Energy Procedia</i> , 2017, 123, 313-320.	1.8	27
90	Integration of CO ₂ refrigeration and trigeneration systems for energy and GHG emission savings in supermarkets. <i>International Journal of Refrigeration</i> , 2012, 35, 407-417.	3.4	26

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91	Experimental investigation of poultry litter gasification and co-gasification with beech wood in a bubbling fluidised bed reactor – Effect of equivalence ratio on process performance and tar evolution. <i>Fuel</i> , 2020, 262, 116660.	6.4	26
92	Energy demand and reduction opportunities in the UK food chain. <i>Proceedings of Institution of Civil Engineers: Energy</i> , 2014, 167, 162-170.	0.6	25
93	Analysis and simulation of continuous food frying processes. <i>Applied Thermal Engineering</i> , 2013, 53, 332-339.	6.0	24
94	Experimental investigation of gas cooler/condenser designs and effects on a CO ₂ booster system. <i>Applied Energy</i> , 2017, 186, 470-479.	10.1	24
95	Ohmic and conventional drying of citrus products: energy efficiency, greenhouse gas emissions and nutritional properties. <i>Energy Procedia</i> , 2019, 161, 165-173.	1.8	24
96	Analysis of an R744 typical booster configuration, an R744 parallel-compressor booster configuration and an R717/R744 cascade refrigeration system for retail food applications. Part 1: Thermodynamic analysis. <i>Energy Procedia</i> , 2019, 161, 259-267.	1.8	24
97	Modeling of vertical ground heat exchangers in the presence of groundwater flow and underground temperature gradient. <i>Energy and Buildings</i> , 2019, 192, 15-30.	6.7	24
98	High-pressure processing, microwave, ohmic, and conventional thermal pasteurization: Quality aspects and energy economics. <i>Journal of Food Process Engineering</i> , 2020, 43, e13328.	2.9	24
99	A proposed methodology for the calculation of direct consumption of fossil fuels and electricity for livestock breeding, and its application to Cyprus. <i>Energy</i> , 2012, 40, 226-235.	8.8	23
100	Techno-economic analysis of bio-methane production from agriculture and food industry waste. <i>Energy Procedia</i> , 2017, 123, 81-88.	1.8	23
101	Comparative analysis on the energy use and environmental impact of different refrigeration systems for frozen food supermarket application. <i>Energy Procedia</i> , 2017, 123, 121-130.	1.8	22
102	CFD comparisons of open-type refrigerated display cabinets with/without air guiding strips. <i>Energy Procedia</i> , 2017, 123, 54-61.	1.8	22
103	Comparative assessment of innovative and conventional food preservation technologies: Process energy performance and greenhouse gas emissions. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 50, 174-187.	5.6	22
104	Experimental analysis and comparison between CO ₂ transcritical power cycles and R245fa organic Rankine cycles for low-grade heat power generations. <i>Applied Thermal Engineering</i> , 2018, 136, 708-717.	6.0	21
105	Investigation of the effects of thermostatic and electronic expansion valves on the steady-state and transient performance of commercial chillers. <i>International Journal of Refrigeration</i> , 1993, 16, 49-56.	3.4	20
106	Performance of a variable-speed inverter/motor drive for refrigeration applications. <i>Computing & Control Engineering Journal</i> , 1994, 5, 193-199.	0.0	20
107	Decarbonisation of food manufacturing by the electrification of heat: A review of developments, technology options and future directions. <i>Trends in Food Science and Technology</i> , 2021, 107, 168-182.	15.1	20
108	Modelling of energy flows in potato crisp frying processes. <i>Applied Energy</i> , 2012, 89, 81-88.	10.1	19

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109	Dynamic modeling and optimization of an ORC unit equipped with plate heat exchangers and turbomachines. <i>Energy Procedia</i> , 2017, 129, 224-231.	1.8	19
110	Model-based energy performance analysis of high pressure processing systems. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 47, 214-224.	5.6	19
111	Design of a high-temperature heat to power conversion facility for testing supercritical CO2 equipment and packaged power units. <i>Energy Procedia</i> , 2019, 161, 421-428.	1.8	19
112	Modelling and off-design performance optimisation of a trilateral flash cycle system using two-phase twin-screw expanders with variable built-in volume ratio. <i>Applied Thermal Engineering</i> , 2020, 179, 115671.	6.0	19
113	Heat recovery from sewage effluent using heat pumps. <i>Heat Recovery Systems & CHP</i> , 1988, 8, 141-148.	0.3	18
114	Prediction and analysis of the seasonal performance of tri-generation and CO2 refrigeration systems in supermarkets. <i>Applied Energy</i> , 2013, 112, 898-906.	10.1	18
115	Waste Heat Recovery Technologies Revisited with Emphasis on New Solutions, Including Heat Pipes, and Case Studies. <i>Energies</i> , 2022, 15, 384.	3.1	18
116	Energy and economic comparisons of domestic heat pumps and conventional heating systems in the British climate. <i>Applied Energy</i> , 1986, 24, 127-138.	10.1	17
117	Numerical investigation of the protective mechanisms of air curtain in a refrigerated truck during door openings. <i>Energy Procedia</i> , 2019, 161, 216-223.	1.8	17
118	Numerical study of the thermohydraulic performance of printed circuit heat exchangers for supercritical CO2 Brayton cycle applications. <i>Energy Procedia</i> , 2019, 161, 480-488.	1.8	17
119	Effect of cross-section geometry on the thermohydraulic characteristics of supercritical CO2 in minichannels. <i>Energy Procedia</i> , 2019, 161, 446-453.	1.8	17
120	Experimental investigation on a flat heat pipe heat exchanger for waste heat recovery in steel industry. <i>Energy Procedia</i> , 2017, 123, 329-334.	1.8	16
121	A two-dimensional frying model for the investigation and optimisation of a continuous industrial frying systems. <i>Applied Thermal Engineering</i> , 2013, 51, 926-936.	6.0	15
122	Indirect expansion solar assisted heat pump system for hot water production with latent heat storage and applicable control strategy. <i>Energy Procedia</i> , 2017, 123, 180-187.	1.8	15
123	Experimental Study on a Small-scale R245fa Organic Rankine Cycle System for Low-grade Thermal Energy Recovery. <i>Energy Procedia</i> , 2017, 105, 1827-1832.	1.8	15
124	An experimental investigation on a recuperative Organic Rankine Cycle (ORC) system for electric power generation with low-grade thermal energy. <i>Energy Procedia</i> , 2017, 142, 1528-1533.	1.8	15
125	Numerical modelling and performance maps of a printed circuit heat exchanger for use as recuperator in supercritical CO2 power cycles. <i>Energy Procedia</i> , 2019, 161, 472-479.	1.8	15
126	Transient analysis and control of a heat to power conversion unit based on a simple regenerative supercritical CO2 Joule-Brayton cycle. <i>Applied Thermal Engineering</i> , 2021, 183, 116214.	6.0	15

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127	Effects of evaporator frosting and defrosting on the performance of air-to-water heat pumps. Applied Energy, 1987, 28, 19-33.	10.1	14
128	Temperature and energy performance of open refrigerated display cabinets using heat pipe shelves. Energy Procedia, 2017, 123, 273-280.	1.8	14
129	Experimental investigation on power generation with low grade waste heat and CO ₂ transcritical power cycle. Energy Procedia, 2017, 123, 297-304.	1.8	14
130	Coupling night ventilative and active cooling to reduce energy use in supermarkets with high refrigeration loads. Energy and Buildings, 2018, 171, 26-39.	6.7	14
131	Design criteria for coatings in next generation condensing economizers. Energy Procedia, 2019, 161, 412-420.	1.8	14
132	An investigation into sCO ₂ compressor performance prediction in the supercritical region for power systems. Energy Procedia, 2019, 161, 403-411.	1.8	14
133	Combustion of poultry litter and mixture of poultry litter with woodchips in a fixed bed lab-scale batch reactor. Fuel, 2021, 286, 119310.	6.4	14
134	Energy conservation and resource utilisation in waste-water treatment plants. Applied Energy, 1988, 30, 113-129.	10.1	13
135	Two-phase chamber modeling of a twin-screw expander for Trilateral Flash Cycle applications. Energy Procedia, 2017, 129, 347-354.	1.8	13
136	Parametric analysis of the factors affecting the efficiency of ground heat exchangers and design application aspects in Cyprus. Renewable Energy, 2017, 103, 721-728.	8.9	13
137	Investigation of the performance of a heat pump under frosting and defrosting conditions. Heat Recovery Systems & CHP, 1989, 9, 399-406.	0.3	12
138	Artificial neural network based electrical load prediction for food retail stores. Applied Thermal Engineering, 1998, 18, 1121-1128.	6.0	12
139	A thermal model for reptiles and pelycosaur. Journal of Thermal Biology, 1999, 24, 1-13.	2.5	12
140	Evolution of domestic dwellings in Cyprus and energy analysis. Renewable Energy, 2001, 23, 219-234.	8.9	12
141	Energy saving potential of high temperature heat pumps in the UK Food and Drink sector. Energy Procedia, 2019, 161, 142-149.	1.8	12
142	Effect of refrigerant flow control on the thermodynamic performances of reciprocating chillers. Applied Energy, 1993, 45, 101-116.	10.1	11
143	Energy aspects and ventilation of food retail buildings. Advances in Building Energy Research, 2015, 9, 1-19.	2.3	11
144	Methodology for estimating the ground heat absorption rate of Ground Heat Exchangers. Energy, 2017, 127, 258-270.	8.8	11

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145	Gasification of poultry litter in a lab-scale bubbling fluidised bed reactor: Impact of process parameters on gasifier performance and special focus on tar evolution. <i>Waste Management</i> , 2019, 100, 336-345.	7.4	11
146	Performance investigation of the CO ₂ gas cooler designs and its integration with the refrigeration system. <i>Energy Procedia</i> , 2017, 123, 265-272.	1.8	10
147	Investigation of Chicken Litter Conversion into Useful Energy Resources by Using Low Temperature Pyrolysis. <i>Energy Procedia</i> , 2019, 161, 47-56.	1.8	10
148	Analysis of Typical Booster Configuration, Parallel-Compressor Booster Configuration and R717/R744 Cascade Refrigeration System for Food Retail Applications. Part 2: Energy Performance in Various Climate Conditions.. <i>Energy Procedia</i> , 2019, 161, 268-274.	1.8	10
149	Modelling and Evaluation of the Thermohydraulic Performance of Finned-Tube Supercritical Carbon Dioxide Gas Coolers. <i>Energies</i> , 2020, 13, 1031.	3.1	10
150	Modeling and Evaluation of the Thermohydraulic Performance of Compact Recuperative Heat Exchangers in Supercritical Carbon Dioxide Waste Heat to Power Conversion Systems. <i>Heat Transfer Engineering</i> , 2022, 43, 1067-1082.	1.9	10
151	Investigation of the steady state and transient performance of a reciprocating chiller equipped with an electronic expansion valve. <i>Heat Recovery Systems & CHP</i> , 1991, 11, 541-550.	0.3	9
152	Transient response and cycling losses of air-to-water heat pump systems. <i>Heat Recovery Systems & CHP</i> , 1992, 12, 123-129.	0.3	9
153	Natural environment and thermal behaviour of <i>Dimetrodon limbatus</i> . <i>Journal of Thermal Biology</i> , 2001, 26, 15-20.	2.5	9
154	Comparative energy and exergy analysis of R744, R404A and R290 refrigeration cycles. <i>International Journal of Low-Carbon Technologies</i> , 2009, 4, 104-111.	2.6	9
155	Modelling and control approaches for energy reduction in continuous frying systems. <i>Applied Energy</i> , 2013, 112, 939-948.	10.1	9
156	Design Optimisation of CO ₂ Gas Cooler/Condenser in a Refrigeration System. <i>Energy Procedia</i> , 2014, 61, 2311-2314.	1.8	9
157	The Impact of Renewable Energy Policies on the Adoption of Anaerobic Digesters with Farm-Fed Wastes in Great Britain. <i>Energies</i> , 2016, 9, 1038.	3.1	9
158	Energy demand and environmental impacts of alternative food transport refrigeration systems. <i>Energy Procedia</i> , 2017, 123, 113-120.	1.8	9
159	Numerical study of air temperature distribution and refrigeration systems coupling for chilled food processing facilities. <i>Energy Procedia</i> , 2017, 123, 156-163.	1.8	9
160	Experimental investigation and modelling of thermal environment control of air distribution systems for chilled food manufacturing facilities. <i>Applied Thermal Engineering</i> , 2017, 127, 1326-1339.	6.0	9
161	Investigation into air distribution systems and thermal environment control in chilled food processing facilities. <i>International Journal of Refrigeration</i> , 2018, 87, 47-64.	3.4	9
162	Design and dynamic investigation of low-grade power generation systems with CO ₂ transcritical power cycles and R245fa organic Rankine cycles. <i>Thermal Science and Engineering Progress</i> , 2018, 8, 211-222.	2.7	9

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163	Low temperature gasification of poultry litter in a lab-scale fluidized reactor. Energy Procedia, 2019, 161, 57-65.	1.8	9
164	Numerical methodology and CFD simulations of a rotary vane energy recovery device for seawater reverse osmosis desalination systems. Applied Thermal Engineering, 2021, 190, 116788.	6.0	9
165	An economic comparison of a fixed speed, a two speed, and a variable speed vapour compression heat pump. Applied Energy, 1984, 16, 59-66.	10.1	8
166	Experimental and CFD investigation of overall heat transfer coefficient of finned tube CO ₂ gas coolers. Energy Procedia, 2019, 161, 300-308.	1.8	8
167	CFD Modelling of Finned-tube CO ₂ Gas Cooler for Refrigeration Systems. Energy Procedia, 2019, 161, 275-282.	1.8	8
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