Savvas A Tassou

List of Publications by Year in descending order

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202 papers	8,644 citations	47409 49 h-index	64407 83 g-index

207 all docs	207 docs citations	207 times ranked	7158 citing authors

#	Article	IF	Citations
1	Modeling and Evaluation of the Thermohydraulic Performance of Compact Recuperative Heat Exchangers in Supercritical Carbon Dioxide Waste Heat to Power Conversion Systems. Heat Transfer Engineering, 2022, 43, 1067-1082.	1.2	10
2	Waste Heat Recovery Technologies Revisited with Emphasis on New Solutions, Including Heat Pipes, and Case Studies. Energies, 2022, 15, 384.	1.6	18
3	Adoption of Waste Heat Recovery Technologies: Reviewing the Relevant Barriers and Recommendations on How to Overcome Them. SN Operations Research Forum, 2022, 3, 1.	0.6	2
4	Reducing GHG Emissions and Improving Cost Effectiveness via Energy Efficiency Enhancements: A Case Study in a Biscuit Industry. Sustainability, 2022, 14, 69.	1.6	1
5	A REVIEW OF HEAT TRANSFER OF CO2 AT SUPERCRITICAL PRESSURE IN THE CRITICAL AND PSEUDO-CRITICAL REGION. Journal of Enhanced Heat Transfer, 2022, 29, 1-40.	0.5	6
6	Decarbonisation of food manufacturing by the electrification of heat: A review of developments, technology options and future directions. Trends in Food Science and Technology, 2021, 107, 168-182.	7.8	20
7	Transient analysis and control of a heat to power conversion unit based on a simple regenerative supercritical CO2 Joule-Brayton cycle. Applied Thermal Engineering, 2021, 183, 116214.	3.0	15
8	Review of supercritical CO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e6790" altimg="si34.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> technologies and systems for power generation. Applied Thermal Engineering, 2021, 185, 116447.	3.0	206
9	Combustion of poultry litter and mixture of poultry litter with woodchips in a fixed bed lab-scale batch reactor. Fuel, 2021, 286, 119310.	3.4	14
10	Modelling and Evaluation of the Thermohydraulic Performance of Finned-Tube Supercritical Carbon Dioxide Gas Coolers. , 2021, , 417-421.		0
11	Numerical methodology and CFD simulations of a rotary vane energy recovery device for seawater reverse osmosis desalination systems. Applied Thermal Engineering, 2021, 190, 116788.	3.0	9
12	Experimental investigation of poultry litter gasification and co-gasification with beech wood in a bubbling fluidised bed reactor â€“ Effect of equivalence ratio on process performance and tar evolution. Fuel, 2020, 262, 116660.	3.4	26
13	Highâ€pressure processing, microwave, ohmic, and conventional thermal pasteurization: Quality aspects and energy economics. Journal of Food Process Engineering, 2020, 43, e13328.	1.5	24
14	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.	7.8	122
15	Review of supercritical carbon dioxide (sCO2) technologies for high-grade waste heat to power conversion. SN Applied Sciences, 2020, 2, 1.	1.5	53
16	Modelling and Evaluation of the Thermohydraulic Performance of Finned-Tube Supercritical Carbon Dioxide Gas Coolers. Energies, 2020, 13, 1031.	1.6	10
17	Modelling and off-design performance optimisation of a trilateral flash cycle system using two-phase twin-screw expanders with variable built-in volume ratio. Applied Thermal Engineering, 2020, 179, 115671.	3.0	19
18	A review of printed circuit heat exchangers for helium and supercritical CO2 Brayton cycles. Thermal Science and Engineering Progress, 2020, 18, 100543.	1.3	55

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19	One-Dimensional Modelling of a Trilateral Flash Cycle System with Two-Phase Twin-Screw Expanders for Industrial Low-Grade Heat to Power Conversion. Designs, 2019, 3, 41.	1.3	2
20	Numerical modelling and transient analysis of a printed circuit heat exchanger used as recuperator for supercritical CO2 heat to power conversion systems. Applied Thermal Engineering, 2019, 161, 114190.	3.0	64
21	Ohmic and conventional drying of citrus products: energy efficiency, greenhouse gas emissions and nutritional properties. Energy Procedia, 2019, 161, 165-173.	1.8	24
22	Numerical investigation of the protective mechanisms of air curtain in a refrigerated truck during door openings. Energy Procedia, 2019, 161, 216-223.	1.8	17
23	Experimental and CFD investigation of overall heat transfer coefficient of finned tube CO2 gas coolers. Energy Procedia, 2019, 161, 300-308.	1.8	8
24	Investigation of Chicken Litter Conversion into Useful Energy Resources by Using Low Temperature Pyrolysis. Energy Procedia, 2019, 161, 47-56.	1.8	10
25	Low temperature gasification of poultry litter in a lab-scale fluidized reactor. Energy Procedia, 2019, 161, 57-65.	1.8	9
26	Waste Heat Recovery in the EU industry and proposed new technologies. Energy Procedia, 2019, 161, 489-496.	1.8	64
27	Numerical study of the thermohydraulic performance of printed circuit heat exchangers for supercritical CO2 Brayton cycle applications. Energy Procedia, 2019, 161, 480-488.	1.8	17
28	Numerical modelling and performance maps of a printed circuit heat exchanger for use as recuperator in supercritical CO2 power cycles. Energy Procedia, 2019, 161, 472-479.	1.8	15
29	Numerical investigations of a Trilateral Flash Cycle under system off-design operating conditions. Energy Procedia, 2019, 161, 464-471.	1.8	6
30	Energy and quality performance assessment of emerging and conventional food preservation technologies. Energy Procedia, 2019, 161, 133-141.	1.8	2
31	Energy saving potential of high temperature heat pumps in the UK Food and Drink sector. Energy Procedia, 2019, 161, 142-149.	1.8	12
32	Effect of cross-section geometry on the thermohydraulic characteristics of supercritical CO2 in minichannels. Energy Procedia, 2019, 161, 446-453.	1.8	17
33	Diffuser performance of centrifugal compressor in supercritical CO2 power systems. Energy Procedia, 2019, 161, 438-445.	1.8	5
34	Numerical investigation into the influence of air curtain discharge angles in refrigerated trucks. Energy Procedia, 2019, 161, 207-215.	1.8	4
35	Three-dimensional investigation on the positioning of air curtain on its effectiveness in refrigerated vehicles used for food distribution. Energy Procedia, 2019, 161, 224-231.	1.8	5
36	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. Energy Procedia, 2019, 161, 259-267.	1.8	24

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37	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.. Energy Procedia, 2019, 161, 268-274.	1.8	10
38	CFD Modelling of Finned-tube CO2 Gas Cooler for Refrigeration Systems. Energy Procedia, 2019, 161, 275-282.	1.8	8
39	Energy Savings Potential in Using Cold-shelves Innovation for Multi-deck Open Front Refrigerated Cabinets. Energy Procedia, 2019, 161, 292-299.	1.8	8
40	Design criteria for coatings in next generation condensing economizers. Energy Procedia, 2019, 161, 412-420.	1.8	14
41	An investigation into sCO2 compressor performance prediction in the supercritical region for power systems. Energy Procedia, 2019, 161, 403-411.	1.8	14
42	Numerical Investigation into the Productâ€™s Weight loss and Display Shelf life inside the Serve-over Cabinet. Energy Procedia, 2019, 161, 317-324.	1.8	0
43	Electrocoagulation treatment of dairy processing and slaughterhouse wastewaters. Energy Procedia, 2019, 161, 343-351.	1.8	46
44	Design of a high-temperature heat to power conversion facility for testing supercritical CO2 equipment and packaged power units. Energy Procedia, 2019, 161, 421-428.	1.8	19
45	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. Waste Management, 2019, 100, 336-345.	3.7	11
46	Estimating the waste heat recovery in the European Union Industry. Energy, Ecology and Environment, 2019, 4, 211-221.	1.9	57
47	Fast Pyrolysis of Poultry Litter in a Bubbling Fluidised Bed Reactor: Energy and Nutrient Recovery. Sustainability, 2019, 11, 2533.	1.6	30
48	Editorial to the Proceedings of the 2nd International Conference on Sustainable Energy and Resource Use in Food Chains, ICSEF 2018, 17-19 October 2018, Paphos, Cyprus. Energy Procedia, 2019, 161, 1.	1.8	0
49	Modeling of vertical ground heat exchangers in the presence of groundwater flow and underground temperature gradient. Energy and Buildings, 2019, 192, 15-30.	3.1	24
50	Agricultural greenhouse CO2 utilization in anaerobic-digestion-based biomethane production plants: A techno-economic and environmental assessment and comparison with CO2 geological storage. Applied Energy, 2019, 242, 1753-1766.	5.1	30
51	Numerical modeling of a two-phase twin-screw expander for Trilateral Flash Cycle applications. International Journal of Refrigeration, 2018, 88, 248-259.	1.8	49
52	Quality assurance in microwave food processing and the enabling potentials of solid-state power generators: A review. Journal of Food Engineering, 2018, 234, 1-15.	2.7	78
53	CFD modelling development and experimental validation of a phase change material (PCM) heat exchanger with spiral-wired tubes. Energy Conversion and Management, 2018, 157, 498-510.	4.4	79
54	Waste heat recovery technologies and applications. Thermal Science and Engineering Progress, 2018, 6, 268-289.	1.3	606

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55	Experimental analysis and comparison between CO2 transcritical power cycles and R245fa organic Rankine cycles for low-grade heat power generations. Applied Thermal Engineering, 2018, 136, 708-717.	3.0	21
56	Techno-economic assessment of Joule-Brayton cycle architectures for heat to power conversion from high-grade heat sources using CO2 in the supercritical state. Energy, 2018, 148, 1140-1152.	4.5	110
57	Model-based energy performance analysis of high pressure processing systems. Innovative Food Science and Emerging Technologies, 2018, 47, 214-224.	2.7	19
58	Investigation into air distribution systems and thermal environment control in chilled food processing facilities. International Journal of Refrigeration, 2018, 87, 47-64.	1.8	9
59	Performance evaluation of a low-grade power generation system with CO2 transcritical power cycles. Applied Energy, 2018, 227, 220-230.	5.1	40
60	An environmental evaluation of food supply chain using life cycle assessment: A case study on gluten free biscuit products. Journal of Cleaner Production, 2018, 170, 451-461.	4.6	42
61	Cost-Energy Optimum Pathway for the UK Food Manufacturing Industry to Meet the UK National Emission Targets. Energies, 2018, 11, 2630.	1.6	4
62	Comparative assessment of innovative and conventional food preservation technologies: Process energy performance and greenhouse gas emissions. Innovative Food Science and Emerging Technologies, 2018, 50, 174-187.	2.7	22
63	A Review of Airside Heat Transfer Augmentation with Vortex Generators on Heat Transfer Surface. Energies, 2018, 11, 2737.	1.6	42
64	An appraisal of proportional integral control strategies for small scale waste heat to power conversion units based on Organic Rankine Cycles. Energy, 2018, 163, 1062-1076.	4.5	29
65	Design and dynamic investigation of low-grade power generation systems with CO2 transcritical power cycles and R245fa organic Rankine cycles. Thermal Science and Engineering Progress, 2018, 8, 211-222.	1.3	9
66	Crossing CO2 equator with the aid of multi-ejector concept: A comprehensive energy and environmental comparative study. Energy, 2018, 164, 236-263.	4.5	50
67	Coupling night ventilative and active cooling to reduce energy use in supermarkets with high refrigeration loads. Energy and Buildings, 2018, 171, 26-39.	3.1	14
68	Experimental investigation of gas cooler/condenser designs and effects on a CO 2 booster system. Applied Energy, 2017, 186, 470-479.	5.1	24
69	Experimental investigations into power generation with low grade waste heat and R245fa Organic Rankine Cycles (ORCs). Applied Thermal Engineering, 2017, 115, 815-824.	3.0	82
70	Effects of latent heat storage and controls on stability and performance of a solar assisted heat pump system for domestic hot water production. Solar Energy, 2017, 150, 394-407.	2.9	40
71	Environmental impacts of vapour compression and cryogenic transport refrigeration technologies for temperature controlled food distribution. Energy Conversion and Management, 2017, 150, 914-923.	4.4	35
72	Modelling of Plate Heat Exchangers and Their Associated CO 2 Trancritical Power Generation System. Energy Procedia, 2017, 105, 1821-1826.	1.8	3

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73	Methodology for estimating the ground heat absorption rate of Ground Heat Exchangers. Energy, 2017, 127, 258-270.	4.5	11
74	Energy analysis of alternative CO 2 refrigeration system configurations for retail food applications in moderate and warm climates. Energy Conversion and Management, 2017, 150, 822-829.	4.4	93
75	Frozen food retail: Measuring and modelling energy use and space environmental systems in an operational supermarket. Energy and Buildings, 2017, 144, 129-143.	3.1	41
76	Investigations into nanofluids as direct solar radiation collectors. Solar Energy, 2017, 147, 426-431.	2.9	29
77	Comparative analysis on the energy use and environmental impact of different refrigeration systems for frozen food supermarket application. Energy Procedia, 2017, 123, 121-130.	1.8	22
78	Performance investigation of the CO 2 gas cooler designs and its integration with the refrigeration system. Energy Procedia, 2017, 123, 265-272.	1.8	10
79	Temperature and energy performance of open refrigerated display cabinets using heat pipe shelves. Energy Procedia, 2017, 123, 273-280.	1.8	14
80	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
81	Techno-economic analysis of bio-methane production from agriculture and food industry waste. Energy Procedia, 2017, 123, 81-88.	1.8	23
82	Techno-economic comparison of different cycle architectures for high temperature waste heat to power conversion systems using CO 2 in supercritical phase. Energy Procedia, 2017, 123, 305-312.	1.8	40
83	Design of radial turbomachinery for supercritical CO 2 systems using theoretical and numerical CFD methodologies. Energy Procedia, 2017, 123, 313-320.	1.8	27
84	Indirect expansion solar assisted heat pump system for hot water production with latent heat storage and applicable control strategy. Energy Procedia, 2017, 123, 180-187.	1.8	15
85	Energy demand and environmental impacts of alternative food transport refrigeration systems. Energy Procedia, 2017, 123, 113-120.	1.8	9
86	The impact of the UKâ€™s emissions reduction initiative on the national food industry. Energy Procedia, 2017, 123, 30-35.	1.8	2
87	State-of-the-art technologies for transcritical R744 refrigeration systems â€“ a theoretical assessment of energy advantages for European food retail industry. Energy Procedia, 2017, 123, 46-53.	1.8	41
88	CFD comparisons of open-type refrigerated display cabinets with/without air guiding strips. Energy Procedia, 2017, 123, 54-61.	1.8	22
89	Two-phase chamber modeling of a twin-screw expander for Trilateral Flash Cycle applications. Energy Procedia, 2017, 129, 347-354.	1.8	13
90	Unwrapped food product display shelf life assessment. Energy Procedia, 2017, 123, 62-69.	1.8	5

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91	Numerical study of air temperature distribution and refrigeration systems coupling for chilled food processing facilities. Energy Procedia, 2017, 123, 156-163.	1.8	9
92	Experimental investigation on a flat heat pipe heat exchanger for waste heat recovery in steel industry. Energy Procedia, 2017, 123, 329-334.	1.8	16
93	Preliminary assessment of waste heat potential in major European industries. Energy Procedia, 2017, 123, 335-345.	1.8	52
94	Dynamic modeling and optimization of an ORC unit equipped with plate heat exchangers and turbomachines. Energy Procedia, 2017, 129, 224-231.	1.8	19
95	Development and analysis of a packaged Trilateral Flash Cycle system for low grade heat to power conversion applications. Thermal Science and Engineering Progress, 2017, 4, 113-121.	1.3	34
96	Experimental investigation and modelling of thermal environment control of air distribution systems for chilled food manufacturing facilities. Applied Thermal Engineering, 2017, 127, 1326-1339.	3.0	9
97	Experimental and theoretical investigation of a flat heat pipe heat exchanger for waste heat recovery in the steel industry. Energy, 2017, 141, 1928-1939.	4.5	73
98	Experimental Study on a Small-scale R245fa Organic Rankine Cycle System for Low-grade Thermal Energy Recovery. Energy Procedia, 2017, 105, 1827-1832.	1.8	15
99	Parametric analysis of the factors affecting the efficiency of ground heat exchangers and design application aspects in Cyprus. Renewable Energy, 2017, 103, 721-728.	4.3	13
100	Myo-inositol based nano-PCM for solar thermal energy storage. Applied Thermal Engineering, 2017, 110, 564-572.	3.0	83
101	Investigations into air and refrigerant side heat transfer coefficients of finned-tube CO2 gas coolers. International Journal of Heat and Mass Transfer, 2017, 107, 168-180.	2.5	32
102	An experimental investigation on a recuperative Organic Rankine Cycle (ORC) system for electric power generation with low-grade thermal energy. Energy Procedia, 2017, 142, 1528-1533.	1.8	15
103	Potential for Energy Production from Farm Wastes Using Anaerobic Digestion in the UK: An Economic Comparison of Different Size Plants. Energies, 2017, 10, 1396.	1.6	32
104	The Impact of Renewable Energy Policies on the Adoption of Anaerobic Digesters with Farm-Fed Wastes in Great Britain. Energies, 2016, 9, 1038.	1.6	9
105	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.	4.3	113
106	The novel use of phase change materials in an open type refrigerated display cabinet: A theoretical investigation. Applied Energy, 2016, 180, 76-85.	5.1	34
107	Thermodynamic analysis and comparison between CO 2 transcritical power cycles and R245fa organic Rankine cycles for low grade heat to power energy conversion. Applied Thermal Engineering, 2016, 106, 1290-1299.	3.0	44
108	Measurement and analysis of thermal properties of rocks for the compilation of geothermal maps of Cyprus. Renewable Energy, 2016, 88, 418-429.	4.3	32

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109	Modelling cold food chain processing and display environments. , 2015, , 185-208.		5
110	Design optimisation of CO2 gas cooler/condenser in a refrigeration system. Applied Energy, 2015, 160, 973-981.	5.1	37
111	Energy aspects and ventilation of food retail buildings. Advances in Building Energy Research, 2015, 9, 1-19.	1.1	11
112	Approaches for modelling the energy flow in food chains. Energy, Sustainability and Society, 2015, 5, .	1.7	6
113	The novel use of phase change materials in a refrigerated display cabinet: An experimental investigation. Applied Thermal Engineering, 2015, 75, 770-778.	3.0	48
114	Design Optimisation of CO2 Gas Cooler/Condenser in a Refrigeration System. Energy Procedia, 2014, 61, 2311-2314.	1.8	9
115	A review of simple to scientific models for anaerobic digestion. Renewable Energy, 2014, 71, 701-714.	4.3	112
116	Control optimizations for heat recovery from CO2 refrigeration systems in supermarket. Energy Conversion and Management, 2014, 78, 245-252.	4.4	28
117	Energy demand and reduction opportunities in the UK food chain. Proceedings of Institution of Civil Engineers: Energy, 2014, 167, 162-170.	0.5	25
118	Energy generation potential of anaerobic digestion from the food and farming wastes of the UK food chain. Renewable Bioresources, 2014, 2, 4.	0.7	2
119	Characterization and experimental investigation of phase change materials for chilled food refrigerated cabinet applications. Applied Energy, 2013, 112, 1376-1382.	5.1	68
120	Priority research questions for the UK food system. Food Security, 2013, 5, 617-636.	2.4	67
121	Modelling and control approaches for energy reduction in continuous frying systems. Applied Energy, 2013, 112, 939-948.	5.1	9
122	Analysis and simulation of continuous food frying processes. Applied Thermal Engineering, 2013, 53, 332-339.	3.0	24
123	Modeling and assessment of the efficiency of horizontal and vertical ground heat exchangers. Energy, 2013, 58, 655-663.	4.5	44
124	Experimental and numerical investigations of the optical and thermal aspects of a PCM-glazed unit. Energy and Buildings, 2013, 61, 239-249.	3.1	105
125	A two-dimensional frying model for the investigation and optimisation ofÂcontinuous industrial frying systems. Applied Thermal Engineering, 2013, 51, 926-936.	3.0	15
126	Prediction and analysis of the seasonal performance of tri-generation and CO2 refrigeration systems in supermarkets. Applied Energy, 2013, 112, 898-906.	5.1	18

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127	Coupled TRNSYS-CFD simulations evaluating the performance of PCM plate heat exchangers in an airport terminal building displacement conditioning system. Building and Environment, 2013, 65, 132-145.	3.0	79
128	Performance evaluation of integrated trigeneration and CO2 refrigeration systems. Applied Thermal Engineering, 2013, 50, 1487-1495.	3.0	50
129	Effectiveness of CFD simulation for the performance prediction of phase change building boards in the thermal environment control of indoor spaces. Building and Environment, 2013, 59, 612-625.	3.0	65
130	An assessment of the biomass potential of Cyprus for energy production. Energy, 2012, 47, 253-261.	4.5	27
131	Modelling of energy flows in potato crisp frying processes. Applied Energy, 2012, 89, 81-88.	5.1	19
132	Experimental study of the thermal characteristics of phase change slurries for active cooling. Applied Energy, 2012, 91, 366-374.	5.1	73
133	The impact of geometric structure and flow arrangement on the performance of CO2 evaporators in multi-deck medium temperature display cabinets. International Journal of Refrigeration, 2012, 35, 142-149.	1.8	5
134	Integration of CO2 refrigeration and trigeneration systems for energy and GHG emission savings in supermarkets. International Journal of Refrigeration, 2012, 35, 407-417.	1.8	26
135	Improved simulation of phase change processes in applications where conduction is the dominant heat transfer mode. Energy and Buildings, 2012, 47, 353-359.	3.1	35
136	A proposed methodology for the calculation of direct consumption of fossil fuels and electricity for livestock breeding, and its application to Cyprus. Energy, 2012, 40, 226-235.	4.5	23
137	Design and simulation of a PV and a PVâ€“Wind standalone energy system to power a household application. Renewable Energy, 2012, 37, 355-363.	4.3	76
138	Thermodynamic analysis of transcritical CO2 booster refrigeration systems in supermarket. Energy Conversion and Management, 2011, 52, 1868-1875.	4.4	101
139	The contribution of direct energy use for livestock breeding to the greenhouse gases emissions of Cyprus. Energy, 2011, 36, 6090-6097.	4.5	5
140	Performance evaluation and optimal design of supermarket refrigeration systems with supermarket model â€œSuperSimâ€, Part I: Model description and validation. International Journal of Refrigeration, 2011, 34, 527-539.	1.8	35
141	Energy consumption and conservation in food retailing. Applied Thermal Engineering, 2011, 31, 147-156.	3.0	167
142	Performance evaluation and optimal design of supermarket refrigeration systems with supermarket model â€œSuperSimâ€, Part II: Model applications. International Journal of Refrigeration, 2011, 34, 540-549.	1.8	37
143	Measurements of ground temperatures in Cyprus for ground thermal applications. Renewable Energy, 2011, 36, 804-814.	4.3	52
144	The use of multiple criteria decision making methodologies for the promotion of RES through funding schemes in Cyprus, A review. Energy Policy, 2010, 38, 7783-7792.	4.2	68

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145	A review of emerging technologies for food refrigeration applications. Applied Thermal Engineering, 2010, 30, 263-276.	3.0	186
146	Simulation of multi-deck medium temperature display cabinets with the integration of CFD and cooling coil models. Applied Energy, 2010, 87, 3178-3188.	5.1	35
147	Solar Hydrogen Production and Storage Techniques. Recent Patents on Mechanical Engineering, 2010, 3, 154-159.	0.2	2
148	PEM Fuel Cells for Energy Production in Solar Hydrogen Systems. Recent Patents on Mechanical Engineering, 2010, 3, 226-235.	0.2	5
149	Solar Hydrogen Production and Storage Techniques. Recent Patents on Mechanical Engineering, 2010, 3, 154-159.	0.2	0
150	Modelling and performance evaluation of a low-temperature ammonia-water absorption refrigeration system. International Journal of Low-Carbon Technologies, 2009, 4, 68-77.	1.2	5
151	Trigeneration in food retail: An energetic, economic and environmental evaluation for a supermarket application. Applied Thermal Engineering, 2009, 29, 2624-2632.	3.0	47
152	Control optimisation of CO2 cycles for medium temperature retail food refrigeration systems. International Journal of Refrigeration, 2009, 32, 1376-1388.	1.8	44
153	Performance evaluation of a tri-generation system with simulation and experiment. Applied Energy, 2009, 86, 2317-2326.	5.1	85
154	Food transport refrigeration â€“ Approaches to reduce energy consumption and environmental impacts of road transport. Applied Thermal Engineering, 2009, 29, 1467-1477.	3.0	266
155	Comparative energy and exergy analysis of R744, R404A and R290 refrigeration cycles. International Journal of Low-Carbon Technologies, 2009, 4, 104-111.	1.2	9
156	Analytical considerations of thermal radiation in cellular metal foams with open cells. International Journal of Heat and Mass Transfer, 2008, 51, 929-940.	2.5	100
157	Reduction of refrigeration energy consumption and environmental impacts in food retailing. , 2008, , 585-611.		5
158	Non-equilibrium gas-liquid transition model. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2100029-2100030.	0.2	3
159	Application of tri-generation systems to the food retail industry. Energy Conversion and Management, 2007, 48, 2988-2995.	4.4	41
160	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.	2.5	304
161	Thermal analysis on metal-foam filled heat exchangers. Part II: Tube heat exchangers. International Journal of Heat and Mass Transfer, 2006, 49, 2762-2770.	2.5	163
162	Fault diagnosis and refrigerant leak detection in vapour compression refrigeration systems. International Journal of Refrigeration, 2005, 28, 680-688.	1.8	86

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163	Sensitivity of refrigeration system performance to charge levels and parameters for on-line leak detection. Applied Thermal Engineering, 2005, 25, 557-566.	3.0	62
164	Present and future applications of ice slurries. International Journal of Refrigeration, 2005, 28, 115-121.	1.8	97
165	Design and construction of a LiBrâ€“water absorption machine. Energy Conversion and Management, 2003, 44, 2483-2508.	4.4	329
166	Strategic planning, transfer and implementation of Advanced Manufacturing Technologies (AMT). Development of an integrated process plan. Technovation, 2002, 22, 201-212.	4.2	66
167	Energy analysis of buildings employing thermal mass in Cyprus. Renewable Energy, 2002, 27, 353-368.	4.3	69
168	Heat transfer and pressure drop of ice slurries in plate heat exchangers. Applied Thermal Engineering, 2002, 22, 721-732.	3.0	88
169	Modelling, simulation and warming impact assessment of a domestic-size absorption solar cooling system. Applied Thermal Engineering, 2002, 22, 1313-1325.	3.0	145
170	Measures used to lower building energy consumption and their cost effectiveness. Applied Energy, 2002, 73, 299-328.	5.1	177
171	Review of solar and low energy cooling technologies for buildings. Renewable and Sustainable Energy Reviews, 2002, 6, 557-572.	8.2	109
172	Modelling and simulation of an absorption solar cooling system for Cyprus. Solar Energy, 2002, 72, 43-51.	2.9	147
173	Natural environment and thermal behaviour of Dimetrodon limbatus. Journal of Thermal Biology, 2001, 26, 15-20.	1.1	9
174	Evolution of domestic dwellings in Cyprus and energy analysis. Renewable Energy, 2001, 23, 219-234.	4.3	12
175	Simulation of the performance of single jet air curtains for vertical refrigerated display cabinets. Applied Thermal Engineering, 2001, 21, 201-219.	3.0	59
176	Modeling of the modern houses of Cyprus and energy consumption analysis. Energy, 2000, 25, 915-937.	4.5	62
177	Advanced manufacturing technology transfer and implementation in developing countries. Technovation, 2000, 20, 93-102.	4.2	41
178	A thermal model for reptiles and pelycosaurs. Journal of Thermal Biology, 1999, 24, 1-13.	1.1	12
179	Comparative performance evaluation of positive displacement compressors in variable-speed refrigeration applications. International Journal of Refrigeration, 1998, 21, 29-41.	1.8	75
180	Enhancing the performance of evaporative spray cooling in air cycle refrigeration and air conditioning technology. Applied Thermal Engineering, 1998, 18, 1139-1148.	3.0	36

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181	Artificial neural network based electrical load prediction for food retail stores. Applied Thermal Engineering, 1998, 18, 1121-1128.	3.0	12
182	Modelling the environment within a wet air-cooled vegetable store. Journal of Food Engineering, 1998, 38, 169-187.	2.7	42
183	Strategic considerations in the introduction of advanced manufacturing technologies in the Cypriot industry. Technovation, 1998, 19, 105-115.	4.2	6
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