Soteris A Kalogirou

List of Publications by Year
in descending order

227 papers	23,826 citations	10373 72 h-index	7736 150 g-index
238 all docs	238 docs citations	238 times ranked	16230 citing authors

#	Article	IF	Citations
1	A design tool for a parabolic trough collector system for industrial process heat based on dynamic simulation. Renewable Energy, 2022, 183, 502-514.	4.3	13
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	Exergetic sustainability analysis of municipal solid waste treatment systems: A systematic critical review. Renewable and Sustainable Energy Reviews, 2022, 156, 111975.	8.2	69
4	Feasibility investigation on using silver nanorods in energy saving windows for light/heat decoupling. Energy, 2022, 245, 123289.	4.5	45
5	Solar Thermal Energy: History. , 2022, , 7-19.		2
6	Environmental life cycle assessment of biodiesel production from waste cooking oil: A systematic review. Renewable and Sustainable Energy Reviews, 2022, 161, 112411.	8.2	73
7	Artificial intelligence techniques: Machine learning and deep learning algorithms. , 2022, , 43-83.		1
8	Machine Learning and Deep Learning for Photovoltaic Applications. , 2022, , 1-20.		3
9	Forecasting of solar radiation using machine learning and deep learning algorithms. , 2022, , 85-111.		0
10	Internet of things (IoT) and embedded systems for photovoltaic systems. , 2022, , 267-329.		0
11	Solar radiation and photovoltaic systems: Modeling and simulation. , 2022, , 1-41.		0
12	Optimization of photovoltaic systems based on artificial intelligence techniques. , 2022, , 149-182.		0
13	Modeling and Simulation of Passive and Active Solar Thermal Systems. , 2021, , .		1
14	Solar Thermal Energy: History. , 2021, , 1-13.		0
15	Artificial intelligence and internet of things to improve efficacy of diagnosis and remote sensing of solar photovoltaic systems: Challenges, recommendations and future directions. Renewable and Sustainable Energy Reviews, 2021, 143, 110889.	8.2	101
16	Machine learning technology in biodiesel research: A review. Progress in Energy and Combustion Science, 2021, 85, 100904.	15.8	231
17	Net-zero exergoeconomic and exergoenvironmental building as new concepts for developing sustainable built environments. Energy Conversion and Management, 2021, 244, 114418.	4.4	24
18	A novel power management algorithm for a residential grid-connected PV system with battery-supercapacitor storage for increased self-consumption and self-sufficiency. Energy Conversion and Management, 2021, 246, 114671.	4.4	28

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19	Modeling a residential grid-connected PV system with battery–supercapacitor storage: Control design and stability analysis. Energy Reports, 2021, 7, 4988-5002.	2.5	40
20	Optimization of the electricity/heat production of a PV/T system based on spectral splitting with Ag nanofluid. Renewable Energy, 2021, 180, 30-39.	4.3	43
21	PV roofs as the first step towards 100% RES electricity production for Mediterranean islands: The case of Cyprus. Smart Energy, 2021, 4, 100053.	2.6	11
22	Sustainable development using renewable energy technology. Renewable Energy, 2020, 146, 2430-2437.	4.3	351
23	Status, barriers and perspectives of building integrated photovoltaic systems. Energy, 2020, 191, 116471.	4.5	74
24	A Hybrid Optimization Approach for Autonomy Enhancement of Nearly-Zero-Energy Buildings Based on Battery Performance and Artificial Neural Networks. Energies, 2020, 13, 3680.	1.6	14
25	Solar Space Heating and Cooling Systems. , 2020, , .		0
26	Solar Thermal Systems: Components and Applications—Introduction. , 2020, , 1-1.		1
27	A Roadmap for the Integration of Active Solar Systems into Buildings. Applied Sciences (Switzerland), 2019, 9, 2462.	1.3	9
28	Energy management and modeling of a grid-connected BIPV system with battery energy storage. , 2019, , .		4
29	Waste Heat Recovery in the EU industry and proposed new technologies. Energy Procedia, 2019, 161, 489-496.	1.8	64
30	Estimating the waste heat recovery in the European Union Industry. Energy, Ecology and Environment, 2019, 4, 211-221.	1.9	57
31	Real-time energy convex optimization, via electrical storage, in buildings – A review. Renewable Energy, 2019, 139, 1355-1365.	4.3	33
32	Siting and building-massing considerations for the urban integration of active solar energy systems. Renewable Energy, 2019, 135, 963-974.	4.3	38
33	Building-façade integrated solar thermal collectors: Energy-economic performance and indoor comfort simulation model of a water based prototype for heating, cooling, and DHW production. Renewable Energy, 2019, 137, 20-36.	4.3	53
34	Part II: Thermal analysis of naturally ventilated BIPV system: Modeling and Simulation. Solar Energy, 2018, 169, 682-691.	2.9	35
35	Fault detection and diagnosis methods for photovoltaic systems: A review. Renewable and Sustainable Energy Reviews, 2018, 91, 1-17.	8.2	331
36	A review on pulsating heat pipes: From solar to cryogenic applications. Applied Energy, 2018, 222, 475-484.	5.1	132

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37	Environmental assessment of solar thermal systems for the industrial sector. Journal of Cleaner Production, 2018, 176, 99-109.	4.6	73
38	Solar water heating for social housing: Energy analysis and Life Cycle Assessment. Energy and Buildings, 2018, 169, 157-171.	3.1	27
39	Part I: Thermal analysis of naturally ventilated BIPV system: Experimental investigation and convective heat transfer coefficients estimation. Solar Energy, 2018, 169, 673-681.	2.9	36
40	Exergy analysis of a naturally ventilated Building Integrated Photovoltaic/Thermal (BIPV/T) system. Renewable Energy, 2018, 128, 541-552.	4.3	48
41	A Neural Network Approach for short-term forecasting of PV Generation in Dwellings. , 2018, , .		0
42	Hybrid battery-supercapacitor mathematical modeling for PV application using Matlab/Simulink. , 2018, , .		13
43	Introduction to Renewable Energy Powered Desalination. , 2018, , 3-46.		7
44	Implementing artificial neural networks in energy building applications â€" A review. , 2018, , .		7
45	Modeling of a photovoltaic system with different MPPT techniques using MATLAB/Simulink. , 2018, , .		16
46	Energy storage for electricity generation and related processes: Technologies appraisal and grid scale applications. Renewable and Sustainable Energy Reviews, 2018, 94, 804-821.	8.2	314
47	Improvement of passive behaviour of existing buildings through the integration of active solar energy systems. Energy, 2018, 163, 1178-1192.	4.5	36
48	A Survey on the Application of Artificial Intelligence Techniques for Photovoltaic Systems. , 2018, , 735-761.		4
49	Optimization of effective parameters on solar updraft tower to achieve potential maximum power output: A sensitivity analysis and numerical simulation. Applied Energy, 2017, 195, 725-737.	5.1	44
50	Machine learning methods for solar radiation forecasting: A review. Renewable Energy, 2017, 105, 569-582.	4.3	1,141
51	Preliminary assessment of waste heat potential in major European industries. Energy Procedia, 2017, 123, 335-345.	1.8	52
52	The impact of the implementation of the European Energy Performance of Buildings Directive on the European building stock: The case of the Cyprus Land Development Corporation. Energy Policy, 2017, 111, 1-8.	4.2	49
53	Heat transfer and sensitivity analysis in a double pipe heat exchanger filled with porous medium. International Journal of Thermal Sciences, 2017, 121, 124-137.	2.6	48
54	A small-scale solar organic Rankine cycle combined heat and power system with integrated thermal energy storage. Applied Thermal Engineering, 2017, 127, 1543-1554.	3.0	159

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55	Energy Labelling and Ecodesign of solar thermal products: Opportunities, challenges and problematic implementation aspects. Renewable Energy, 2017, 101, 728-736.	4.3	8
56	Review of techniques based on artificial neural networks for the electrical characterization of concentrator photovoltaic technology. Renewable and Sustainable Energy Reviews, 2017, 75, 938-953.	8.2	66
57	A grid-connected photovoltaic system: Mathematical modeling using MATLAB/Simulink. , 2017, , .		8
58	A linear programming approach to the optimal utilization of renewable energy sources in buildings. , 2017, , .		6
59	Water, the Raw Material for Desalination. , 2016, , 21-102.		3
60	Indirect Solar Desalination (MSF, MED, MVC, TVC). , 2016, , 283-326.		9
61	Solar Distillationâ€"Solar Stills. , 2016, , 103-190.		9
62	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
63	Solar Thermal Systems â€" Towards a Systematic Characterization of Building Integration. Energy Procedia, 2016, 91, 897-906.	1.8	5
64	Exergy analysis of solar thermal collectors and processes. Progress in Energy and Combustion Science, 2016, 56, 106-137.	15.8	199
65	Mock target IR thermography for indoor air temperature measurement. Applied Energy, 2016, 164, 676-685.	5.1	13
66	Double skin facades (DSF) and building integrated photovoltaics (BIPV): A review of configurations and heat transfer characteristics. Renewable Energy, 2016, 89, 743-756.	4.3	168
67	Building-Integrated Solar Thermal Systems. , 2016, , 713-721.		1
68	Exergy analysis on solar thermal systems: A better understanding of their sustainability. Renewable Energy, 2016, 85, 1328-1333.	4.3	151
69	Artificial neural networks for the generation of a conductivity map of the ground. Renewable Energy, 2015, 77, 400-407.	4.3	17
70	Building integration of solar renewable energy systems towards zero or nearly zero energy buildings. International Journal of Low-Carbon Technologies, 2015, 10, 379-385.	1.2	49
71	Phase change materials (PCMs) integrated into transparent building elements: a review. Materials for Renewable and Sustainable Energy, 2015, 4, 1.	1.5	59
72	Optimal economic thickness of various insulation materials for different orientations of external walls considering the wind characteristics. Energy, 2015, 90, 939-952.	4.5	31

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73	Applications of ANNs in the Field of the HCPV Technology. Green Energy and Technology, 2015, , 333-351.	0.4	1
74	Solar Economic Analysis. , 2014, , 701-734.		3
75	Performance of Solar Collectors. , 2014, , 221-256.		6
76	Flat-plate collector construction and system configuration to optimize the thermosiphonic effect. Renewable Energy, 2014, 67, 202-206.	4.3	34
77	The Effect of Air Flow on a Building Integrated PV-panel. Procedia IUTAM, 2014, 11, 89-97.	1.2	15
78	Artificial neural networks for the performance prediction of large solar systems. Renewable Energy, 2014, 63, 90-97.	4.3	83
79	Solar Space Heating and Cooling. , 2014, , 323-395.		5
80	Designing and Modeling Solar Energy Systems. , 2014, , 583-699.		23
81	MPPT-based artificial intelligence techniques for photovoltaic systems and its implementation into field programmable gate array chips: Review of current status and future perspectives. Energy, 2014, 70, 1-21.	4.5	120
82	Legislation driven scenarios based on recent construction advancements towards the achievement of nearly zero energy dwellings in the southern European country of Cyprus. Energy, 2014, 66, 588-597.	4.5	47
83	Intelligent maximum power point trackers for photovoltaic applications using FPGA chip: A comparative study. Solar Energy, 2014, 101, 83-99.	2.9	81
84	Photovoltaic Systems. , 2014, , 481-540.		17
85	Environmental Characteristics. , 2014, , 51-123.		17
86	Solar Desalination Systems. , 2014, , 431-479.		6
87	Solar Energy Collectors. , 2014, , 125-220.		23
88	Infrared thermography (IRT) applications for building diagnostics: A review. Applied Energy, 2014, 134, 531-549.	5.1	357
89	Industrial Process Heat, Chemistry Applications, and Solar Dryers. , 2014, , 397-429.		6
90	Solar Thermal Power Systems. , 2014, , 541-581.		13

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91	Solar Water-Heating Systems. , 2014, , 257-321.		1
92	Fault detection method for grid-connected photovoltaic plants. Renewable Energy, 2014, 66, 99-110.	4.3	151
93	Artificial neural network-based model for estimating the produced power ofÂaÂphotovoltaic module. Renewable Energy, 2013, 60, 71-78.	4.3	181
94	A comparison between BNN and regression polynomial methods for the evaluation of the effect of soiling in large scale photovoltaic plants. Applied Energy, 2013, 108, 392-401.	5.1	86
95	Solar thermoelectric power generation in Cyprus: Selection of the best system. Renewable Energy, 2013, 49, 278-281.	4.3	32
96	Geothermal properties of the ground in Cyprus and their effect on the efficiency of ground coupled heat pumps. Renewable Energy, 2013, 49, 85-89.	4.3	13
97	A review of the applications of nanofluids in solar energy. International Journal of Heat and Mass Transfer, 2013, 57, 582-594.	2.5	1,081
98	Modeling and assessment of the efficiency of horizontal and vertical ground heat exchangers. Energy, 2013, 58, 655-663.	4.5	44
99	Broadband optical absorption of amorphous carbon/Ag nanocomposite films and its potential for solar harvesting applications. Solar Energy Materials and Solar Cells, 2013, 117, 350-356.	3.0	38
100	On-site PV characterization and the effect of soiling on their performance. Energy, 2013, 51, 439-446.	4.5	175
101	New MPPT method for stand-alone photovoltaic systems operating under partially shaded conditions. Energy, 2013, 55, 1172-1185.	4.5	54
102	Neural Network Modeling of Energy Systems. , 2013, , .		0
103	Artificial Neural Networks and Genetic Algorithms for the Modeling, Simulation, and Performance Prediction of Solar Energy Systems. Green Energy and Technology, 2013, , 225-245.	0.4	13
104	Solar Space Heating and Cooling Systems. , 2012, , 449-480.		5
105	Modeling and Simulation of Passive and Active Solar Thermal Systems. , 2012, , 357-417.		8
106	Solar Selective Coatings. , 2012, , 301-312.		5
107	Low Concentration Ratio Solar Collectors. , 2012, , 149-163.		1
108	Solar Thermal Systems. , 2012, , 1-25.		5

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109	A detailed thermal model of a parabolic trough collector receiver. Energy, 2012, 48, 298-306.	4.5	245
110	Artificial neural networks for the generation of geothermal maps of ground temperature at various depths by considering land configuration. Energy, 2012, 48, 233-240.	4.5	36
111	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
112	Low Concentration Ratio Solar Collectors. , 2012, , 183-197.		0
113	Comparison between measured and calculated energy performance for dwellings in a summer dominant environment. Energy and Buildings, 2011, 43, 3099-3105.	3.1	50
114	The geothermal characteristics of the ground and the potential of using ground coupled heat pumps in Cyprus. Energy, 2011, 36, 5027-5036.	4.5	51
115	Application of infrared thermography for the determination of the overall heat transfer coefficient (U-Value) in building envelopes. Applied Energy, 2011, 88, 4358-4365.	5.1	233
116	FPGA-based implementation of intelligent predictor for global solar irradiation, Part I: Theory and simulation. Expert Systems With Applications, 2011, 38, 2668-2685.	4.4	20
117	ANFIS-based modelling for photovoltaic power supply system: A case study. Renewable Energy, 2011, 36, 250-258.	4.3	118
118	Maximum power point tracking using a GA optimized fuzzy logic controller and its FPGA implementation. Solar Energy, 2011, 85, 265-277.	2.9	234
119	Optimization of the photovoltaic thermal (PV/T) collector absorber. Solar Energy, 2011, 85, 871-880.	2.9	65
120	Application of Artificial Neural Networks for the Prediction of a 20-kWp Grid-Connected Photovoltaic Plant Power Output. Studies in Fuzziness and Soft Computing, 2011, , 261-283.	0.6	5
121	Concentrating Solar Power Plants for Electricity and Desalinated Water Production. , 2011, , .		7
122	Soft Computing in Absorption Cooling Systems. Studies in Fuzziness and Soft Computing, 2011, , 65-95.	0.6	0
123	Application of neural networks and genetic algorithms for sizing of photovoltaic systems. Renewable Energy, 2010, 35, 2881-2893.	4.3	79
124	The characteristics and the energy behaviour of the residential building stock of Cyprus in view of Directive 2002/91/EC. Energy and Buildings, 2010, 42, 2083-2089.	3.1	52
125	FPGAâ€"based implementation of a real time photovoltaic module simulator. Progress in Photovoltaics: Research and Applications, 2010, 18, 115-127.	4.4	27
126	Solar Hydrogen Production and Storage Techniques. Recent Patents on Mechanical Engineering, 2010, 3, 154-159.	0.2	2

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127	PEM Fuel Cells for Energy Production in Solar Hydrogen Systems. Recent Patents on Mechanical Engineering, 2010, 3, 226-235.	0.2	5
128	Artificial Intelligence Techniques for Modern Energy Applications. , 2010, , 1-39.		5
129	Theoretical and Experimental Analysis of a Salt Gradient Solar Pond with Insulated and Reflective Covers. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 985-1003.	1.2	8
130	Artificial Neural Networks and Genetic Algorithms in Energy Applications in Buildings. Advances in Building Energy Research, 2009, 3, 83-119.	1.1	45
131	Performance of Solar Collectors. , 2009, , 219-250.		8
132	Solar Space Heating and Cooling. , 2009, , 315-389.		3
133	Photovoltaic Systems. , 2009, , 469-519.		15
134	Solar Thermal Power Systems. , 2009, , 521-552.		6
135	Designing and Modeling Solar Energy Systems. , 2009, , 553-664.		12
136	Solar Economic Analysis. , 2009, , 665-701.		1
137	Thermal performance, economic and environmental life cycle analysis of thermosiphon solar water heaters. Solar Energy, 2009, 83, 39-48.	2.9	253
138	Modelling of an ICS solar water heater using artificial neural networks and TRNSYS. Renewable Energy, 2009, 34, 1333-1339.	4.3	67
139	Artificial intelligence techniques for sizing photovoltaic systems: A review. Renewable and Sustainable Energy Reviews, 2009, 13, 406-419.	8.2	416
140	Solar Desalination Systems. , 2009, , 421-468.		3
141	Solar Energy Collectors. , 2009, , 121-217.		23
142	Solar Water Heating Systems. , 2009, , 251-314.		4
143	Industrial Process Heat, Chemistry Applications, and Solar Dryers. , 2009, , 391-420.		4
144	Environmental Characteristics. , 2009, , 49-762.		9

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145	Classification of buildings in Cyprus based on their energy performance. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	0
146	Artificial intelligence techniques for photovoltaic applications: A review. Progress in Energy and Combustion Science, 2008, 34, 574-632.	15.8	668
147	Methodology for predicting sequences of mean monthly clearness index and daily solar radiation data in remote areas: Application for sizing a stand-alone PV system. Renewable Energy, 2008, 33, 1570-1590.	4.3	115
148	First in situ determination of the thermal performance of a U-pipe borehole heat exchanger, in Cyprus. Applied Thermal Engineering, 2008, 28, 157-163.	3.0	77
149	Development of a neural network-based fault diagnostic system for solar thermal applications. Solar Energy, 2008, 82, 164-172.	2.9	37
150	Cyprus energy policy: The road to the 2006 world renewable energy congress trophy. Renewable Energy, 2008, 33, 355-365.	4.3	28
151	Recent Patents in Solar Energy Collectors and Applications. Recent Patents on Engineering, 2007, 1, 23-33.	0.3	20
152	Industrial application of PV/T solar energy systems. Applied Thermal Engineering, 2007, 27, 1259-1270.	3.0	139
153	Thermoeconomic optimization of a LiBr absorption refrigeration system. Chemical Engineering and Processing: Process Intensification, 2007, 46, 1376-1384.	1.8	84
154	Photovoltaic thermal (PV/T) collectors: A review. Applied Thermal Engineering, 2007, 27, 275-286.	3.0	363
155	Ground heat exchangersâ€"A review of systems, models and applications. Renewable Energy, 2007, 32, 2461-2478.	4.3	580
156	Different methods for modeling absorption heat transformer powered by solar pond. Energy Conversion and Management, 2007, 48, 724-735.	4.4	39
157	Cyprus solar water heating cluster: A missed opportunity?. Energy Policy, 2007, 35, 3302-3315.	4.2	19
158	Modeling and simulation of a stand-alone photovoltaic system using an adaptive artificial neural network: Proposition for a new sizing procedure. Renewable Energy, 2007, 32, 285-313.	4.3	194
159	Neuro-Fuzzy Based Modeling for Photovoltaic Power Supply System. , 2006, , .		16
160	An adaptive wavelet-network model for forecasting daily total solar-radiation. Applied Energy, 2006, 83, 705-722.	5.1	225
161	Thermodynamic analysis of absorption systems using artificial neural network. Renewable Energy, 2006, 31, 29-43.	4.3	42
162	Prediction of flat-plate collector performance parameters using artificial neural networks. Solar Energy, 2006, 80, 248-259.	2.9	126

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163	Hybrid PV/T solar systems for domestic hot water and electricity production. Energy Conversion and Management, 2006, 47, 3368-3382.	4.4	426
164	Thermodynamic analysis of subcooling and superheating effects of alternative refrigerants for vapour compression refrigeration cycles. International Journal of Energy Research, 2006, 30, 323-347.	2.2	22
165	Artificial neural networks in energy applications in buildings. International Journal of Low-Carbon Technologies, 2006, 1, 201-216.	1.2	99
166	Use of artificial intelligence for the optimal design of solar systems. International Journal of Computer Applications in Technology, 2005, 22, 90.	0.3	8
167	Exergy analysis of lithium bromide/water absorption systems. Renewable Energy, 2005, 30, 645-657.	4.3	169
168	Seawater desalination using renewable energy sources. Progress in Energy and Combustion Science, 2005, 31, 242-281.	15.8	858
169	Performance of solar systems employing collectors with colored absorber. Energy and Buildings, 2005, 37, 824-835.	3.1	38
170	A new approach using artificial neural networks for determination of the thermodynamic properties of fluid couples. Energy Conversion and Management, 2005, 46, 2405-2418.	4.4	61
171	Simulation and optimization of a LiBr solar absorption cooling system with evacuated tube collectors. Renewable Energy, 2005, 30, 1143-1159.	4.3	226
172	Environmental benefits of domestic solar energy systems. Energy Conversion and Management, 2004, 45, 3075-3092.	4.4	156
173	Optimization of solar systems using artificial neural-networks and genetic algorithms. Applied Energy, 2004, 77, 383-405.	5.1	206
174	Solar thermal collectors and applications. Progress in Energy and Combustion Science, 2004, 30, 231-295.	15.8	2,296
175	Neural Network Modeling of Energy Systems. , 2004, , 291-299.		4
176	Design and construction of a LiBrâ€"water absorption machine. Energy Conversion and Management, 2003, 44, 2483-2508.	4.4	329
177	The potential of solar industrial process heat applications. Applied Energy, 2003, 76, 337-361.	5.1	498
178	Artificial intelligence for the modeling and control of combustion processes: a review. Progress in Energy and Combustion Science, 2003, 29, 515-566.	15.8	493
179	Predicting the pressure coefficients in a naturally ventilated test room using artificial neural networks. Building and Environment, 2003, 38, 399-407.	3.0	19
180	The energy subsidisation policies of Cyprus and their effect on renewable energy systems economics. Renewable Energy, 2003, 28, 1711-1728.	4.3	17

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181	Generation of typical meteorological year (TMY-2) for Nicosia, Cyprus. Renewable Energy, 2003, 28, 2317-2334.	4.3	77
182	Simulation of a solar domestic water heating system using a time marching model. Renewable Energy, 2002, 27, 441-452.	4.3	41
183	Energy analysis of buildings employing thermal mass in Cyprus. Renewable Energy, 2002, 27, 353-368.	4.3	69
184	Modelling, simulation and warming impact assessment of a domestic-size absorption solar cooling system. Applied Thermal Engineering, 2002, 22, 1313-1325.	3.0	145
185	Parabolic trough collectors for industrial process heat in Cyprus. Energy, 2002, 27, 813-830.	4.5	82
186	Measures used to lower building energy consumption and their cost effectiveness. Applied Energy, 2002, 73, 299-328.	5.1	177
187	Review of solar and low energy cooling technologies for buildings. Renewable and Sustainable Energy Reviews, 2002, 6, 557-572.	8.2	109
188	Modelling and simulation of an absorption solar cooling system for Cyprus. Solar Energy, 2002, 72, 43-51.	2.9	147
189	Natural environment and thermal behaviour of Dimetrodon limbatus. Journal of Thermal Biology, 2001, 26, 15-20.	1.1	9
190	Evolution of domestic dwellings in Cyprus and energy analysis. Renewable Energy, 2001, 23, 219-234.	4.3	12
191	Use of TRNSYS for modelling and simulation of a hybrid pv–thermal solar system for Cyprus. Renewable Energy, 2001, 23, 247-260.	4.3	264
192	Artificial neural networks in renewable energy systems applications: a review. Renewable and Sustainable Energy Reviews, 2001, 5, 373-401.	8.2	915
193	Effect of fuel cost on the price of desalination water: a case for renewables. Desalination, 2001, 138, 137-144.	4.0	46
194	Design of a new spray-type seawater evaporator. Desalination, 2001, 139, 345-352.	4.0	13
195	Financial appraisal of a combined heat and power system for a hotel in Cyprus. Energy Conversion and Management, 2001, 42, 689-708.	4.4	16
196	Artificial neural networks for predicting air flow in a naturally ventilated test room. Building Services Engineering Research and Technology, 2001, 22, 83-93.	0.9	12
197	Thermosiphon solar domestic water heating systems: long-term performance prediction using artificial neural networks. Solar Energy, 2000, 69, 163-174.	2.9	69
198	Modelling of a thermosyphon solar water heating system and simple model validation. Renewable Energy, 2000, 21, 471-493.	4.3	69

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199	Long-term performance prediction of forced circulation solar domestic water heating systems using artificial neural networks. Applied Energy, 2000, 66, 63-74.	5.1	80
200	Modeling of the modern houses of Cyprus and energy consumption analysis. Energy, 2000, 25, 915-937.	4.5	62
201	Artificial neural networks for the prediction of the energy consumption of a passive solar building. Energy, 2000, 25, 479-491.	4.5	402
202	Development of an Artificial Neural Network Based Fault Diagnostic System of an Electric Car. , 2000, , .		4
203	Applications of artificial neural-networks for energy systems. , 2000, , 17-35.		18
204	Applications of artificial neural-networks for energy systems. Applied Energy, 2000, 67, 17-35.	5.1	769
205	Comparison of the Simulated Performance of Solar Water Heaters by Using Tmy and Mean Monthly Data. , 2000, , 1011-1014.		1
206	Expert System for Energy Management of Electric Cars. , 1999, , .		2
207	MODELING OF SOLAR DOMESTIC WATER HEATING SYSTEMS USING ARTIFICIAL NEURAL NETWORKS. Solar Energy, 1999, 65, 335-342.	2.9	133
208	Performance enhancement of an integrated collector storage hot water system. Renewable Energy, 1999, 16, 652-655.	4.3	29
209	Artificial neural networks used for the performance prediction of a thermosiphon solar water heater. Renewable Energy, 1999, 18, 87-99.	4.3	113
210	A thermal model for reptiles and pelycosaurs. Journal of Thermal Biology, 1999, 24, 1-13.	1.1	12
211	Applications of artificial neural networks in energy systems. Energy Conversion and Management, 1999, 40, 1073-1087.	4.4	266
212	Comparison of performance and cost effectiveness of solar water heaters at different collector tracking modes in Cyprus and Greece. Energy Conversion and Management, 1999, 40, 1287-1303.	4.4	32
213	Generation of a â€œtypical meteorological yearâ€•for Nicosia, Cyprus. Renewable Energy, 1998, 13, 381-388.	4.3	73
214	Use of parabolic trough solar energy collectors for sea-water desalination. Applied Energy, 1998, 60, 65-88.	5.1	91
215	Artificial neural networks for modelling the starting-up of a solar steam-generator. Applied Energy, 1998, 60, 89-100.	5.1	67
216	Design, construction, performance evaluation and economic analysis of an integrated collector storage system. Renewable Energy, 1997, 12, 179-192.	4.3	44

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217	Economic analysis of a solar assisted desalination system. Renewable Energy, 1997, 12, 351-367.	4.3	30
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