

Soteris A Kalogirou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

222
papers

17,801
citations

64
h-index

131
g-index

238
ext. papers

20,684
ext. citations

8.5
avg, IF

7.63
L-index

#	Paper	IF	Citations
222	Feasibility investigation on using silver nanorods in energy saving windows for light/heat decoupling. <i>Energy</i> , 2022 , 245, 123289	7.9	8
221	A design tool for a parabolic trough collector system for industrial process heat based on dynamic simulation. <i>Renewable Energy</i> , 2022 , 183, 502-514	8.1	0
220	Waste Heat Recovery Technologies Revisited with Emphasis on New Solutions, Including Heat Pipes, and Case Studies. <i>Energies</i> , 2022 , 15, 384	3.1	3
219	Exergetic sustainability analysis of municipal solid waste treatment systems: A systematic critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 156, 111975	16.2	10
218	Solar Thermal Energy: History 2022 , 7-19		0
217	Environmental life cycle assessment of biodiesel production from waste cooking oil: A systematic review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 161, 112411	16.2	3
216	Artificial intelligence techniques: Machine learning and deep learning algorithms 2022 , 43-83		
215	Machine Learning and Deep Learning for Photovoltaic Applications 2022 , 1-20		0
214	Forecasting of solar radiation using machine learning and deep learning algorithms 2022 , 85-111		
213	Internet of things (IoT) and embedded systems for photovoltaic systems 2022 , 267-329		
212	Solar radiation and photovoltaic systems: Modeling and simulation 2022 , 1-41		
211	Optimization of photovoltaic systems based on artificial intelligence techniques 2022 , 149-182		
210	PV roofs as the first step towards 100% RES electricity production for Mediterranean islands: The case of Cyprus. <i>Smart Energy</i> , 2021 , 4, 100053		2
209	Artificial intelligence and internet of things to improve efficacy of diagnosis and remote sensing of solar photovoltaic systems: Challenges, recommendations and future directions. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 143, 110889	16.2	40
208	Machine learning technology in biodiesel research: A review. <i>Progress in Energy and Combustion Science</i> , 2021 , 85, 100904	33.6	84
207	Modeling and Simulation of Passive and Active Solar Thermal Systems 2021 ,		
206	Net-zero exergoeconomic and exergoenvironmental building as new concepts for developing sustainable built environments. <i>Energy Conversion and Management</i> , 2021 , 244, 114418	10.6	9

205	A novel power management algorithm for a residential grid-connected PV system with battery-supercapacitor storage for increased self-consumption and self-sufficiency. <i>Energy Conversion and Management</i> , 2021 , 246, 114671	10.6	5
204	Modeling a residential grid-connected PV system with battery-supercapacitor storage: Control design and stability analysis. <i>Energy Reports</i> , 2021 , 7, 4988-5002	4.6	6
203	Optimization of the electricity/heat production of a PV/T system based on spectral splitting with Ag nanofluid. <i>Renewable Energy</i> , 2021 , 180, 30-39	8.1	9
202	Solar Thermal Systems: Components and Applications Introduction 2020 , 1-1		0
201	Solar Space Heating and Cooling Systems 2020 ,		
200	Status, barriers and perspectives of building integrated photovoltaic systems. <i>Energy</i> , 2020 , 191, 116471-9	7.9	38
199	A Hybrid Optimization Approach for Autonomy Enhancement of Nearly-Zero-Energy Buildings Based on Battery Performance and Artificial Neural Networks. <i>Energies</i> , 2020 , 13, 3680	3.1	8
198	Sustainable development using renewable energy technology. <i>Renewable Energy</i> , 2020 , 146, 2430-2437	8.1	144
197	Waste Heat Recovery in the EU industry and proposed new technologies. <i>Energy Procedia</i> , 2019 , 161, 489-496	2.3	41
196	Estimating the waste heat recovery in the European Union Industry. <i>Energy, Ecology and Environment</i> , 2019 , 4, 211-221	3.5	24
195	Real-time energy convex optimization, via electrical storage, in buildings – A review. <i>Renewable Energy</i> , 2019 , 139, 1355-1365	8.1	19
194	A Roadmap for the Integration of Active Solar Systems into Buildings. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2462	2.6	4
193	Energy management and modeling of a grid-connected BIPV system with battery energy storage 2019 ,		3
192	Siting and building-massing considerations for the urban integration of active solar energy systems. <i>Renewable Energy</i> , 2019 , 135, 963-974	8.1	23
191	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. <i>Renewable Energy</i> , 2019 , 137, 20-36	8.1	41
190	Part II: Thermal analysis of naturally ventilated BIPV system: Modeling and Simulation. <i>Solar Energy</i> , 2018 , 169, 682-691	6.8	22
189	Fault detection and diagnosis methods for photovoltaic systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 91, 1-17	16.2	197
188	A review on pulsating heat pipes: From solar to cryogenic applications. <i>Applied Energy</i> , 2018 , 222, 475-484	6.7	84

187	Environmental assessment of solar thermal systems for the industrial sector. <i>Journal of Cleaner Production</i> , 2018 , 176, 99-109	10.3	44
186	Solar water heating for social housing: Energy analysis and Life Cycle Assessment. <i>Energy and Buildings</i> , 2018 , 169, 157-171	7	19
185	Part I: Thermal analysis of naturally ventilated BIPV system: Experimental investigation and convective heat transfer coefficients estimation. <i>Solar Energy</i> , 2018 , 169, 673-681	6.8	23
184	Exergy analysis of a naturally ventilated Building Integrated Photovoltaic/Thermal (BIPV/T) system. <i>Renewable Energy</i> , 2018 , 128, 541-552	8.1	30
183	Modeling of a photovoltaic system with different MPPT techniques using MATLAB/Simulink 2018 ,		7
182	Energy storage for electricity generation and related processes: Technologies appraisal and grid scale applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 94, 804-821	16.2	178
181	Improvement of passive behaviour of existing buildings through the integration of active solar energy systems. <i>Energy</i> , 2018 , 163, 1178-1192	7.9	22
180	A Survey on the Application of Artificial Intelligence Techniques for Photovoltaic Systems 2018 , 735-761		4
179	Simulation-Based Investigation of the Air Velocity in a Naturally Ventilated BIPV System. <i>Springer Proceedings in Energy</i> , 2018 , 201-217	0.2	1
178	Hybrid battery-supercapacitor mathematical modeling for PV application using Matlab/Simulink 2018 ,		4
177	Introduction to Renewable Energy Powered Desalination 2018 , 3-46		4
176	Implementing artificial neural networks in energy building applications [A review 2018 ,		4
175	Optimization of effective parameters on solar updraft tower to achieve potential maximum power output: A sensitivity analysis and numerical simulation. <i>Applied Energy</i> , 2017 , 195, 725-737	10.7	32
174	Machine learning methods for solar radiation forecasting: A review. <i>Renewable Energy</i> , 2017 , 105, 569-582	8.1	715
173	Preliminary assessment of waste heat potential in major European industries. <i>Energy Procedia</i> , 2017 , 123, 335-345	2.3	36
172	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. <i>Energy Policy</i> , 2017 , 111, 1-8	7.2	39
171	Heat transfer and sensitivity analysis in a double pipe heat exchanger filled with porous medium. <i>International Journal of Thermal Sciences</i> , 2017 , 121, 124-137	4.1	31
170	A small-scale solar organic Rankine cycle combined heat and power system with integrated thermal energy storage. <i>Applied Thermal Engineering</i> , 2017 , 127, 1543-1554	5.8	110

169	Energy Labelling and Ecodesign of solar thermal products: Opportunities, challenges and problematic implementation aspects. <i>Renewable Energy</i> , 2017 , 101, 728-736	8.1	5
168	Review of techniques based on artificial neural networks for the electrical characterization of concentrator photovoltaic technology. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 75, 938-953	16.2	56
167	A grid-connected photovoltaic system: Mathematical modeling using MATLAB/Simulink 2017 ,		6
166	A linear programming approach to the optimal utilization of renewable energy sources in buildings 2017 ,		3
165	Exergy analysis on solar thermal systems: A better understanding of their sustainability. <i>Renewable Energy</i> , 2016 , 85, 1328-1333	8.1	126
164	Exergy analysis of solar thermal collectors and processes. <i>Progress in Energy and Combustion Science</i> , 2016 , 56, 106-137	33.6	150
163	Mock target IR thermography for indoor air temperature measurement. <i>Applied Energy</i> , 2016 , 164, 676-685	6.7	9
162	Double skin facades (DSF) and building integrated photovoltaics (BIPV): A review of configurations and heat transfer characteristics. <i>Renewable Energy</i> , 2016 , 89, 743-756	8.1	122
161	Building-Integrated Solar Thermal Systems 2016 , 713-721		1
160	Water, the Raw Material for Desalination 2016 , 21-102		1
159	Indirect Solar Desalination (MSF, MED, MVC, TVC) 2016 , 283-326		4
158	Solar Distillation Solar Stills 2016 , 103-190		5
157	Evaluation of the application of Phase Change Materials (PCM) on the envelope of a typical dwelling in the Mediterranean region. <i>Renewable Energy</i> , 2016 , 97, 24-32	8.1	77
156	Solar Thermal Systems ¶owards a Systematic Characterization of Building Integration. <i>Energy Procedia</i> , 2016 , 91, 897-906	2.3	3
155	Phase change materials (PCMs) integrated into transparent building elements: a review. <i>Materials for Renewable and Sustainable Energy</i> , 2015 , 4, 1	4.7	46
154	Optimal economic thickness of various insulation materials for different orientations of external walls considering the wind characteristics. <i>Energy</i> , 2015 , 90, 939-952	7.9	22
153	Applications of ANNs in the Field of the HCPV Technology. <i>Green Energy and Technology</i> , 2015 , 333-351	0.6	1
152	Artificial neural networks for the generation of a conductivity map of the ground. <i>Renewable Energy</i> , 2015 , 77, 400-407	8.1	16

151	Building integration of solar renewable energy systems towards zero or nearly zero energy buildings. <i>International Journal of Low-Carbon Technologies</i> , 2015 , 10, 379-385	2.8	31
150	Artificial neural networks for the performance prediction of large solar systems. <i>Renewable Energy</i> , 2014 , 63, 90-97	8.1	67
149	Solar Space Heating and Cooling 2014 , 323-395		2
148	Designing and Modeling Solar Energy Systems 2014 , 583-699		15
147	MPPT-based artificial intelligence techniques for photovoltaic systems and its implementation into field programmable gate array chips: Review of current status and future perspectives. <i>Energy</i> , 2014 , 70, 1-21	7.9	94
146	Legislation driven scenarios based on recent construction advancements towards the achievement of nearly zero energy dwellings in the southern European country of Cyprus. <i>Energy</i> , 2014 , 66, 588-597	7.9	40
145	Intelligent maximum power point trackers for photovoltaic applications using FPGA chip: A comparative study. <i>Solar Energy</i> , 2014 , 101, 83-99	6.8	66
144	Photovoltaic Systems 2014 , 481-540		10
143	Environmental Characteristics 2014 , 51-123		9
142	Solar Desalination Systems 2014 , 431-479		4
141	Solar Energy Collectors 2014 , 125-220		14
140	Infrared thermography (IRT) applications for building diagnostics: A review. <i>Applied Energy</i> , 2014 , 134, 531-549	10.7	250
139	Industrial Process Heat, Chemistry Applications, and Solar Dryers 2014 , 397-429		3
138	Solar Thermal Power Systems 2014 , 541-581		9
137	Solar Water-Heating Systems 2014 , 257-321		1
136	Fault detection method for grid-connected photovoltaic plants. <i>Renewable Energy</i> , 2014 , 66, 99-110	8.1	116
135	Solar Economic Analysis 2014 , 701-734		2
134	Performance of Solar Collectors 2014 , 221-256		5

133	Flat-plate collector construction and system configuration to optimize the thermosiphonic effect. <i>Renewable Energy</i> , 2014 , 67, 202-206	8.1	26
132	The Effect of Air Flow on a Building Integrated PV-panel. <i>Procedia IUTAM</i> , 2014 , 11, 89-97		13
131	Artificial neural network-based model for estimating the produced power of a photovoltaic module. <i>Renewable Energy</i> , 2013 , 60, 71-78	8.1	127
130	A comparison between BNN and regression polynomial methods for the evaluation of the effect of soiling in large scale photovoltaic plants. <i>Applied Energy</i> , 2013 , 108, 392-401	10.7	72
129	Solar thermoelectric power generation in Cyprus: Selection of the best system. <i>Renewable Energy</i> , 2013 , 49, 278-281	8.1	24
128	Geothermal properties of the ground in Cyprus and their effect on the efficiency of ground coupled heat pumps. <i>Renewable Energy</i> , 2013 , 49, 85-89	8.1	12
127	A review of the applications of nanofluids in solar energy. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 57, 582-594	4.9	904
126	Modeling and assessment of the efficiency of horizontal and vertical ground heat exchangers. <i>Energy</i> , 2013 , 58, 655-663	7.9	38
125	Broadband optical absorption of amorphous carbon/Ag nanocomposite films and its potential for solar harvesting applications. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 117, 350-356	6.4	31
124	On-site PV characterization and the effect of soiling on their performance. <i>Energy</i> , 2013 , 51, 439-446	7.9	130
123	New MPPT method for stand-alone photovoltaic systems operating under partially shaded conditions. <i>Energy</i> , 2013 , 55, 1172-1185	7.9	51
122	Neural Network Modeling of Energy Systems 2013 ,		
121	Artificial Neural Networks and Genetic Algorithms for the Modeling, Simulation, and Performance Prediction of Solar Energy Systems. <i>Green Energy and Technology</i> , 2013 , 225-245	0.6	10
120	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	8.1	61
119	Solar Space Heating and Cooling Systems 2012 , 449-480		3
118	Modeling and Simulation of Passive and Active Solar Thermal Systems 2012 , 357-417		4
117	Solar Selective Coatings 2012 , 301-312		4
116	Low Concentration Ratio Solar Collectors 2012 , 149-163		1

115	Solar Thermal Systems 2012 , 1-25		3
114	A detailed thermal model of a parabolic trough collector receiver. <i>Energy</i> , 2012 , 48, 298-306	7.9	186
113	Artificial neural networks for the generation of geothermal maps of ground temperature at various depths by considering land configuration. <i>Energy</i> , 2012 , 48, 233-240	7.9	24
112	Low Concentration Ratio Solar Collectors 2012 , 183-197		
111	Comparison between measured and calculated energy performance for dwellings in a summer dominant environment. <i>Energy and Buildings</i> , 2011 , 43, 3099-3105	7	43
110	The geothermal characteristics of the ground and the potential of using ground coupled heat pumps in Cyprus. <i>Energy</i> , 2011 , 36, 5027-5036	7.9	42
109	Application of infrared thermography for the determination of the overall heat transfer coefficient (U-Value) in building envelopes. <i>Applied Energy</i> , 2011 , 88, 4358-4365	10.7	181
108	FPGA-based implementation of intelligent predictor for global solar irradiation, Part I: Theory and simulation. <i>Expert Systems With Applications</i> , 2011 , 38, 2668-2685	7.8	17
107	ANFIS-based modelling for photovoltaic power supply system: A case study. <i>Renewable Energy</i> , 2011 , 36, 250-258	8.1	97
106	Maximum power point tracking using a GA optimized fuzzy logic controller and its FPGA implementation. <i>Solar Energy</i> , 2011 , 85, 265-277	6.8	185
105	Optimization of the photovoltaic thermal (PV/T) collector absorber. <i>Solar Energy</i> , 2011 , 85, 871-880	6.8	56
104	Concentrating Solar Power Plants for Electricity and Desalinated Water Production 2011 ,		5
103	Application of Artificial Neural Networks for the Prediction of a 20-kWp Grid-Connected Photovoltaic Plant Power Output. <i>Studies in Fuzziness and Soft Computing</i> , 2011 , 261-283	0.7	5
102	Soft Computing in Absorption Cooling Systems. <i>Studies in Fuzziness and Soft Computing</i> , 2011 , 65-95	0.7	
101	Application of neural networks and genetic algorithms for sizing of photovoltaic systems. <i>Renewable Energy</i> , 2010 , 35, 2881-2893	8.1	68
100	The characteristics and the energy behaviour of the residential building stock of Cyprus in view of Directive 2002/91/EC. <i>Energy and Buildings</i> , 2010 , 42, 2083-2089	7	47
99	FPGA-based implementation of a real time photovoltaic module simulator. <i>Progress in Photovoltaics: Research and Applications</i> , 2010 , 18, 115-127	6.8	26
98	PEM Fuel Cells for Energy Production in Solar Hydrogen Systems. <i>Recent Patents on Mechanical Engineering</i> , 2010 , 3, 226-235	0.3	5

97	Artificial Intelligence Techniques for Modern Energy Applications 2010 , 1-39		2
96	Theoretical and Experimental Analysis of a Salt Gradient Solar Pond with Insulated and Reflective Covers. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2009 , 31, 985-1003	1.6	6
95	Artificial Neural Networks and Genetic Algorithms in Energy Applications in Buildings. <i>Advances in Building Energy Research</i> , 2009 , 3, 83-119	1.8	35
94	Performance of Solar Collectors 2009 , 219-250		5
93	Solar Space Heating and Cooling 2009 , 315-389		3
92	Photovoltaic Systems 2009 , 469-519		11
91	Solar Thermal Power Systems 2009 , 521-552		5
90	Designing and Modeling Solar Energy Systems 2009 , 553-664		9
89	Solar Economic Analysis 2009 , 665-701		1
88	Thermal performance, economic and environmental life cycle analysis of thermosiphon solar water heaters. <i>Solar Energy</i> , 2009 , 83, 39-48	6.8	202
87	Modelling of an ICS solar water heater using artificial neural networks and TRNSYS. <i>Renewable Energy</i> , 2009 , 34, 1333-1339	8.1	58
86	Artificial intelligence techniques for sizing photovoltaic systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2009 , 13, 406-419	16.2	321
85	Solar Desalination Systems 2009 , 421-468		3
84	Solar Energy Collectors 2009 , 121-217		13
83	Solar Water Heating Systems 2009 , 251-314		2
82	Industrial Process Heat, Chemistry Applications, and Solar Dryers 2009 , 391-420		2
81	Environmental Characteristics 2009 , 49-762		9
80	Cyprus energy policy: The road to the 2006 world renewable energy congress trophy. <i>Renewable Energy</i> , 2008 , 33, 355-365	8.1	23

79	Artificial intelligence techniques for photovoltaic applications: A review. <i>Progress in Energy and Combustion Science</i> , 2008 , 34, 574-632	33.6	510
78	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. <i>Renewable Energy</i> , 2008 , 33, 1570-1590	8.1	99
77	First in situ determination of the thermal performance of a U-pipe borehole heat exchanger, in Cyprus. <i>Applied Thermal Engineering</i> , 2008 , 28, 157-163	5.8	67
76	Development of a neural network-based fault diagnostic system for solar thermal applications. <i>Solar Energy</i> , 2008 , 82, 164-172	6.8	30
75	Industrial application of PV/T solar energy systems. <i>Applied Thermal Engineering</i> , 2007 , 27, 1259-1270	5.8	119
74	Thermoeconomic optimization of a LiBr absorption refrigeration system. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007 , 46, 1376-1384	3.7	64
73	Photovoltaic thermal (PV/T) collectors: A review. <i>Applied Thermal Engineering</i> , 2007 , 27, 275-286	5.8	292
72	Ground heat exchangers—A review of systems, models and applications. <i>Renewable Energy</i> , 2007 , 32, 2461-2478	8.1	466
71	Different methods for modeling absorption heat transformer powered by solar pond. <i>Energy Conversion and Management</i> , 2007 , 48, 724-735	10.6	35
70	Cyprus solar water heating cluster: A missed opportunity?. <i>Energy Policy</i> , 2007 , 35, 3302-3315	7.2	15
69	Modeling and simulation of a stand-alone photovoltaic system using an adaptive artificial neural network: Proposition for a new sizing procedure. <i>Renewable Energy</i> , 2007 , 32, 285-313	8.1	159
68	Recent Patents in Solar Energy Collectors and Applications. <i>Recent Patents on Engineering</i> , 2007 , 1, 23-33	3.3	14
67	Hybrid PV/T solar systems for domestic hot water and electricity production. <i>Energy Conversion and Management</i> , 2006 , 47, 3368-3382	10.6	324
66	Thermodynamic analysis of subcooling and superheating effects of alternative refrigerants for vapour compression refrigeration cycles. <i>International Journal of Energy Research</i> , 2006 , 30, 323-347	4.5	20
65	Artificial neural networks in energy applications in buildings. <i>International Journal of Low-Carbon Technologies</i> , 2006 , 1, 201-216	2.8	60
64	Neuro-Fuzzy Based Modeling for Photovoltaic Power Supply System 2006 ,		11
63	An adaptive wavelet-network model for forecasting daily total solar-radiation. <i>Applied Energy</i> , 2006 , 83, 705-722	10.7	196
62	Thermodynamic analysis of absorption systems using artificial neural network. <i>Renewable Energy</i> , 2006 , 31, 29-43	8.1	35

61	Prediction of flat-plate collector performance parameters using artificial neural networks. <i>Solar Energy</i> , 2006 , 80, 248-259	6.8	102
60	Use of artificial intelligence for the optimal design of solar systems. <i>International Journal of Computer Applications in Technology</i> , 2005 , 22, 90	0.7	5
59	Exergy analysis of lithium bromide/water absorption systems. <i>Renewable Energy</i> , 2005 , 30, 645-657	8.1	136
58	Seawater desalination using renewable energy sources. <i>Progress in Energy and Combustion Science</i> , 2005 , 31, 242-281	33.6	663
57	Performance of solar systems employing collectors with colored absorber. <i>Energy and Buildings</i> , 2005 , 37, 824-835	7	34
56	A new approach using artificial neural networks for determination of the thermodynamic properties of fluid couples. <i>Energy Conversion and Management</i> , 2005 , 46, 2405-2418	10.6	52
55	Simulation and optimization of a LiBr solar absorption cooling system with evacuated tube collectors. <i>Renewable Energy</i> , 2005 , 30, 1143-1159	8.1	195
54	Environmental benefits of domestic solar energy systems. <i>Energy Conversion and Management</i> , 2004 , 45, 3075-3092	10.6	121
53	Optimization of solar systems using artificial neural-networks and genetic algorithms. <i>Applied Energy</i> , 2004 , 77, 383-405	10.7	174
52	Solar thermal collectors and applications. <i>Progress in Energy and Combustion Science</i> , 2004 , 30, 231-295	33.6	1787
51	Neural Network Modeling of Energy Systems 2004 , 291-299		3
50	Design and construction of a LiBr/water absorption machine. <i>Energy Conversion and Management</i> , 2003 , 44, 2483-2508	10.6	256
49	The potential of solar industrial process heat applications. <i>Applied Energy</i> , 2003 , 76, 337-361	10.7	382
48	Artificial intelligence for the modeling and control of combustion processes: a review. <i>Progress in Energy and Combustion Science</i> , 2003 , 29, 515-566	33.6	379
47	Predicting the pressure coefficients in a naturally ventilated test room using artificial neural networks. <i>Building and Environment</i> , 2003 , 38, 399-407	6.5	16
46	The energy subsidisation policies of Cyprus and their effect on renewable energy systems economics. <i>Renewable Energy</i> , 2003 , 28, 1711-1728	8.1	15
45	Generation of typical meteorological year (TMY-2) for Nicosia, Cyprus. <i>Renewable Energy</i> , 2003 , 28, 2317-2334	8.1	63
44	Simulation of a solar domestic water heating system using a time marching model. <i>Renewable Energy</i> , 2002 , 27, 441-452	8.1	36

43	Energy analysis of buildings employing thermal mass in Cyprus. <i>Renewable Energy</i> , 2002 , 27, 353-368	8.1	59
42	Modelling, simulation and warming impact assessment of a domestic-size absorption solar cooling system. <i>Applied Thermal Engineering</i> , 2002 , 22, 1313-1325	5.8	126
41	Parabolic trough collectors for industrial process heat in Cyprus. <i>Energy</i> , 2002 , 27, 813-830	7.9	77
40	Measures used to lower building energy consumption and their cost effectiveness. <i>Applied Energy</i> , 2002 , 73, 299-328	10.7	136
39	Review of solar and low energy cooling technologies for buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2002 , 6, 557-572	16.2	93
38	Modelling and simulation of an absorption solar cooling system for Cyprus. <i>Solar Energy</i> , 2002 , 72, 43-516.8		122
37	Natural environment and thermal behaviour of <i>Dimetrodon limbatus</i> . <i>Journal of Thermal Biology</i> , 2001 , 26, 15-20	2.9	9
36	Evolution of domestic dwellings in Cyprus and energy analysis. <i>Renewable Energy</i> , 2001 , 23, 219-234	8.1	11
35	Use of TRNSYS for modelling and simulation of a hybrid pvthermal solar system for Cyprus. <i>Renewable Energy</i> , 2001 , 23, 247-260	8.1	215
34	Artificial neural networks in renewable energy systems applications: a review. <i>Renewable and Sustainable Energy Reviews</i> , 2001 , 5, 373-401	16.2	717
33	Effect of fuel cost on the price of desalination water: a case for renewables. <i>Desalination</i> , 2001 , 138, 137-144	10.3	41
32	Design of a new spray-type seawater evaporator. <i>Desalination</i> , 2001 , 139, 345-352	10.3	12
31	Financial appraisal of a combined heat and power system for a hotel in Cyprus. <i>Energy Conversion and Management</i> , 2001 , 42, 689-708	10.6	16
30	Artificial neural networks for predicting air flow in a naturally ventilated test room. <i>Building Services Engineering Research and Technology</i> , 2001 , 22, 83-93	2.3	10
29	Thermosiphon solar domestic water heating systems: long-term performance prediction using artificial neural networks. <i>Solar Energy</i> , 2000 , 69, 163-174	6.8	57
28	Modelling of a thermosyphon solar water heating system and simple model validation. <i>Renewable Energy</i> , 2000 , 21, 471-493	8.1	59
27	Long-term performance prediction of forced circulation solar domestic water heating systems using artificial neural networks. <i>Applied Energy</i> , 2000 , 66, 63-74	10.7	71
26	Modeling of the modern houses of Cyprus and energy consumption analysis. <i>Energy</i> , 2000 , 25, 915-937	7.9	53

25	Artificial neural networks for the prediction of the energy consumption of a passive solar building. <i>Energy</i> , 2000 , 25, 479-491	7.9	323
24	Development of an Artificial Neural Network Based Fault Diagnostic System of an Electric Car 2000		4
23	Applications of artificial neural-networks for energy systems 2000 , 17-35		13
22	Applications of artificial neural-networks for energy systems. <i>Applied Energy</i> , 2000 , 67, 17-35	10.7	624
21	Comparison of the Simulated Performance of Solar Water Heaters by Using Tmy and Mean Monthly Data 2000 , 1011-1014		1
20	MODELING OF SOLAR DOMESTIC WATER HEATING SYSTEMS USING ARTIFICIAL NEURAL NETWORKS. <i>Solar Energy</i> , 1999 , 65, 335-342	6.8	110
19	Performance enhancement of an integrated collector storage hot water system. <i>Renewable Energy</i> , 1999 , 16, 652-655	8.1	26
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15	Comparison of performance and cost effectiveness of solar water heaters at different collector tracking modes in Cyprus and Greece. <i>Energy Conversion and Management</i> , 1999 , 40, 1287-1303	10.6	23
14	Generation of a typical meteorological year for Nicosia, Cyprus. <i>Renewable Energy</i> , 1998 , 13, 381-388	8.1	60
13	Use of parabolic trough solar energy collectors for sea-water desalination. <i>Applied Energy</i> , 1998 , 60, 65-88	8.7	80
12	Artificial neural networks for modelling the starting-up of a solar steam-generator. <i>Applied Energy</i> , 1998 , 60, 89-100	10.7	57
11	Design, construction, performance evaluation and economic analysis of an integrated collector storage system. <i>Renewable Energy</i> , 1997 , 12, 179-192	8.1	37
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9	Survey of solar desalination systems and system selection. <i>Energy</i> , 1997 , 22, 69-81	7.9	111
8	Modelling, optimisation and performance evaluation of a parabolic trough solar collector steam generation system. <i>Solar Energy</i> , 1997 , 60, 49-59	6.8	53

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