

Evangelos Bellos

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.

186
papers

6,414
citations

48
h-index

72
g-index

189
ext. papers

8,170
ext. citations

6.5
avg, IF

7.33
L-index

#	Paper	IF	Citations
186	Multi-objective optimization of a solar-driven polygeneration system based on CO ₂ working fluid. <i>Energy Conversion and Management</i> , 2022 , 252, 115136	10.6	5
185	Pumped Thermal Energy Storage System for Trigeneration: The Concept of Power to XYZ. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 970	2.6	3
184	Investigation and optimization of a CO ₂ -based polygeneration unit for supermarkets. <i>Applied Energy</i> , 2022 , 311, 118717	10.7	1
183	Techno-economic evaluation of stand-alone energy supply to a health clinic considering pandemic diseases (COVID-19) challenge. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 51, 101909	4.7	1
182	Investigation of a Solar-Driven Organic Rankine Cycle with Reheating. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2322	2.6	1
181	LNG vs. MDO in Marine Fuel Emissions Tracking. <i>Sustainability</i> , 2022 , 14, 3860	3.6	0
180	Energy, exergy, economic and environmental (4E) analysis of a parabolic trough solar collector using MXene based silicone oil nanofluids. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 239, 111633	6.4	11
179	A Comparative Energy and Economic Analysis of Different Solar Thermal Domestic Hot Water Systems for the Greek Climate Zones: A Multi-Objective Evaluation Approach. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4566	2.6	1
178	Experimental investigations on modified thermosyphons using R134a/Al ₂ O ₃ and comparative machine learning analysis. <i>Applied Thermal Engineering</i> , 2022 , 212, 118554	5.8	0
177	Heat and Flow Study of the Internally Finned Tubes with Different Fin Geometries. <i>Applied System Innovation</i> , 2022 , 5, 50	2.4	
176	Energy, Financial, and Environmental Investigation of a Direct Steam Production Power Plant Driven by Linear Fresnel Solar Reflectors. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2021 , 143,	2.3	17
175	A comprehensive review on Crossflow turbine for hydropower applications. <i>Ocean Engineering</i> , 2021 , 240, 110015	3.9	1
174	Parametric Analysis of a Polygeneration System with CO ₂ Working Fluid. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3215	2.6	2
173	Cogeneration system driven by solar dish concentrators. <i>Environmental Progress and Sustainable Energy</i> , 2021 , 40, e13644	2.5	1
172	Recent advances on nanofluids for low to medium temperature solar collectors: energy, exergy, economic analysis and environmental impact. <i>Progress in Energy and Combustion Science</i> , 2021 , 84, 100898	33.6	86
171	Yearly investigation of a solar-driven absorption refrigeration system with ammonia-water absorption pair. <i>Thermal Science and Engineering Progress</i> , 2021 , 23, 100885	3.6	11
170	Parametric Investigation of a Ground Source CO ₂ Heat Pump for Space Heating. <i>Energies</i> , 2021 , 14, 3563	3.1	1

169	Investigation and optimization of a solar-assisted pumped thermal energy storage system with flat plate collectors. <i>Energy Conversion and Management</i> , 2021 , 237, 114137	10.6	12
168	Dynamic investigation and optimization of a solar-fed trigeneration system. <i>Applied Thermal Engineering</i> , 2021 , 191, 116869	5.8	9
167	Recent advances on the fundamental physical phenomena behind stability, dynamic motion, thermophysical properties, heat transport, applications, and challenges of nanofluids. <i>Physics Reports</i> , 2021 , 946, 1-1	27.7	75
166	An up-to-date review on evacuated tube solar collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 2873-2889	4.1	10
165	Evaluating energy efficiency and economic effect of heat transfer in copper tube for small solar linear Fresnel reflector. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 4197-4215	4.1	27
164	Energy and environmental investigation of R744 all-in-one configurations for refrigeration and heating/air conditioning needs of a supermarket. <i>Journal of Cleaner Production</i> , 2021 , 279, 123234	10.3	6
163	Parametric analysis of a solar-driven trigeneration system with an organic Rankine cycle and a vapor compression cycle. <i>Energy and Built Environment</i> , 2021 , 2, 278-289	6.3	5
162	A review of industrial waste heat recovery system for power generation with Organic Rankine Cycle: Recent challenges and future outlook. <i>Journal of Cleaner Production</i> , 2021 , 287, 125070	10.3	45
161	4E assessment of power generation systems for a mobile house in emergency condition using solar energy: a case study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 751-767	4.1	0
160	Assessment of a solar-driven cogeneration system for electricity and desalination. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1711-1731	4.1	3
159	Investigation of a Novel CO ₂ Transcritical Organic Rankine Cycle Driven by Parabolic Trough Solar Collectors. <i>Applied System Innovation</i> , 2021 , 4, 53	2.4	0
158	Recent advances in using nanofluids in renewable energy systems and the environmental implications of their uptake. <i>Nano Energy</i> , 2021 , 86, 106069	17.1	56
157	Investigation of energy and financial performance of a novel CO ₂ supercritical solar-biomass trigeneration system for operation in the climate of Athens. <i>Energy Conversion and Management</i> , 2021 , 245, 114583	10.6	8
156	Efficiency enhancement of a solar dish collector operating with a novel soybean oil-based-MXene nanofluid and different cavity receivers. <i>Journal of Cleaner Production</i> , 2021 , 317, 128430	10.3	6
155	A review of solar-driven organic Rankine cycles: Recent challenges and future outlook. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 150, 111410	16.2	10
154	A critical review of power generation using geothermal-driven organic Rankine cycle. <i>Thermal Science and Engineering Progress</i> , 2021 , 25, 101028	3.6	7
153	Solar-driven water pump with organic Rankine cycle for pressurized irrigation systems: A case study. <i>Thermal Science and Engineering Progress</i> , 2021 , 25, 100960	3.6	3
152	Polynomial Expressions for the Thermal Efficiency of the Parabolic Trough Solar Collector. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6901	2.6	1

151	Parametric Investigation of a Trigeneration System with an Organic Rankine Cycle and Absorption Heat Pump Driven by Parabolic Trough Collectors for the Building Sector. <i>Energies</i> , 2020 , 13, 1800	3.1	10
150	Financial Optimization of a Solar-Driven Organic Rankine Cycle. <i>Applied System Innovation</i> , 2020 , 3, 23	2.4	6
149	A Comparative Study of Solar-Driven Trigeneration Systems for the Building Sector. <i>Energies</i> , 2020 , 13, 2074	3.1	15
148	Sensitivity analysis of a parabolic trough concentrator with linear V-shape cavity. <i>Energy Science and Engineering</i> , 2020 , 8, 3544-3560	3.4	6
147	Solar-driven polygeneration systems: Recent progress and outlook. <i>Applied Energy</i> , 2020 , 264, 114764	10.7	62
146	Incorporation of an organic Rankine cycle in a transcritical booster CO ₂ refrigeration system. <i>International Journal of Energy Research</i> , 2020 , 44, 7974-7988	4.5	2
145	Solar desalination system with a focal point concentrator using different nanofluids. <i>Applied Thermal Engineering</i> , 2020 , 174, 115058	5.8	23
144	Sensitivity analysis of parabolic trough concentrator using rectangular cavity receiver. <i>Applied Thermal Engineering</i> , 2020 , 169, 114948	5.8	6
143	Characterization of a micro thermal cavity receiver [Experimental and analytical investigation. <i>Thermal Science and Engineering Progress</i> , 2020 , 18, 100554	3.6	4
142	A systematic parametric thermal analysis of nanofluid-based parabolic trough solar collectors. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 39, 100714	4.7	21
141	Effect of use of MWCNT/oil nanofluid on the performance of solar organic Rankine cycle. <i>Energy Reports</i> , 2020 , 6, 782-794	4.6	17
140	Working fluid selection for regenerative supercritical Brayton cycle combined with bottoming ORC driven by molten salt solar power tower using energy exergy analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 39, 100699	4.7	16
139	Energy and financial analysis of a solar driven thermoelectric generator. <i>Journal of Cleaner Production</i> , 2020 , 264, 121534	10.3	14
138	A review of experimental studies on cylindrical two-phase closed thermosyphon using refrigerant for low-temperature applications. <i>International Journal of Refrigeration</i> , 2020 , 120, 296-313	3.8	4
137	Solar concentrating systems and applications in Greece [A critical review. <i>Journal of Cleaner Production</i> , 2020 , 272, 122855	10.3	7
136	Investigation of Different Storage Systems for Solar-Driven Organic Rankine Cycle. <i>Applied System Innovation</i> , 2020 , 3, 52	2.4	5
135	Commercial parabolic trough CSP plants: Research trends and technological advancements. <i>Solar Energy</i> , 2020 , 211, 1422-1458	6.8	23
134	Concentrating Solar Collectors for a Trigeneration System [A Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4492	2.6	6

133	Research and review study of solar dish concentrators with different nanofluids and different shapes of cavity receiver: Experimental tests. <i>Renewable Energy</i> , 2020 , 145, 783-804	8.1	41
132	Review on influencing parameters in the performance of concentrated solar power collector based on materials, heat transfer fluids and design. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 33-51	4.1	15
131	Enhancing the performance of a parabolic trough collector with combined thermal and optical techniques. <i>Applied Thermal Engineering</i> , 2020 , 164, 114496	5.8	26
130	Numerical Optimization Study of Archimedes Screw Turbine (AST): A case study. <i>Renewable Energy</i> , 2020 , 145, 2130-2143	8.1	15
129	Energetic, Exergetic, and Financial Investigation of Biomass-Driven Trigeration System. <i>Journal of Energy Engineering - ASCE</i> , 2019 , 145, 04019020	1.7	7
128	A comprehensive review on minimum quantity lubrication (MQL) in machining processes using nano-cutting fluids. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 105, 2057-2086	3.2	95
127	Enhancing the performance of a CO ₂ refrigeration system with the use of an absorption chiller. <i>International Journal of Refrigeration</i> , 2019 , 108, 37-52	3.8	15
126	Exergy and economic assessments of solar organic Rankine cycle system with linear V-Shape cavity. <i>Energy Conversion and Management</i> , 2019 , 199, 111997	10.6	8
125	Energy and financial investigation of a cogeneration system based on linear Fresnel reflectors. <i>Energy Conversion and Management</i> , 2019 , 198, 111821	10.6	14
124	Progress in the design and the applications of linear Fresnel reflectors [A critical review]. <i>Thermal Science and Engineering Progress</i> , 2019 , 10, 112-137	3.6	55
123	Parametric analysis and yearly performance of a trigeneration system driven by solar-dish collectors. <i>International Journal of Energy Research</i> , 2019 , 43, 1534-1546	4.5	26
122	A numerical simulation of a linear Fresnel solar reflector directed to produce steam for the power plant. <i>Journal of Cleaner Production</i> , 2019 , 231, 494-508	10.3	43
121	Design of a solar-driven cogeneration system using flat plate collectors and evacuated tube collectors. <i>International Journal of Energy Research</i> , 2019 , 43, 5841-5851	4.5	4
120	Enhancing the performance of automotive radiators using nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 112, 183-194	16.2	98
119	Reducing the optical end losses of a linear Fresnel reflector using novel techniques. <i>Solar Energy</i> , 2019 , 186, 247-256	6.8	17
118	CO ₂ Transcritical Refrigeration Cycle with Dedicated Subcooling: Mechanical Compression vs. Absorption Chiller. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1605	2.6	10
117	Annual performance of a supermarket refrigeration system using different configurations with CO ₂ refrigerant. <i>Energy Conversion and Management: X</i> , 2019 , 1, 100006	2.5	9
116	A Theoretical Comparative Study of CO ₂ Cascade Refrigeration Systems. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 790	2.6	18

115	Numerical simulation of a solar cooling system with and without phase change materials in radiant walls of a building. <i>Energy Conversion and Management</i> , 2019 , 188, 40-53	10.6	37
114	Investigation of the Environmentally-Friendly Refrigerant R152a for Air Conditioning Purposes. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 119	2.6	10
113	Theoretical investigation of a novel hybrid refrigeration cycle based on the partial thermal isochoric compression. <i>Thermal Science and Engineering Progress</i> , 2019 , 11, 239-248	3.6	2
112	Evaluation of a solar driven trigeneration system with conventional and new criteria. <i>International Journal of Sustainable Energy</i> , 2019 , 38, 238-252	2.7	3
111	Investigation and optimization of a solar assisted heat pump driven by nanofluid-based hybrid PV. <i>Energy Conversion and Management</i> , 2019 , 198, 111831	10.6	19
110	Optical and thermal analysis of different cavity receiver designs for solar dish concentrators. <i>Energy Conversion and Management: X</i> , 2019 , 2, 100013	2.5	15
109	Comparison of two solar-assisted underfloor heating systems with Phase Change Materials 2019 , 22, 138-147		1
108	Daily performance of a solar dish collector. <i>Thermal Science</i> , 2019 , 23, 2107-2115	1.2	1
107	Optimization of multi-layer absorbing systems in solar flat-plate collectors using cluster analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2019 , 36, 100538	4.7	3
106	Performance Assessment of a Solar Dryer System Using Small Parabolic Dish and Alumina/Oil Nanofluid: Simulation and Experimental Study. <i>Energies</i> , 2019 , 12, 4747	3.1	12
105	A cylindrical insert for parabolic trough solar collector. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 1846-1876	4.5	7
104	Generalized models for estimation of global solar radiation based on sunshine duration and detailed comparison with the existing: A case study for India. <i>Sustainable Energy Technologies and Assessments</i> , 2019 , 31, 179-198	4.7	25
103	Thermal Behavior of a Building with Incorporated Phase Change Materials in the South and the North Wall. <i>Computation</i> , 2019 , 7, 2	2.2	8
102	Financial and energetic evaluation of solar-assisted heat pump underfloor heating systems with phase change materials. <i>Applied Thermal Engineering</i> , 2019 , 149, 548-564	5.8	26
101	Multi-objective optimization of a solar assisted heat pump-driven by hybrid PV. <i>Applied Thermal Engineering</i> , 2019 , 149, 528-535	5.8	33
100	A comparative study of CO2 refrigeration systems. <i>Energy Conversion and Management: X</i> , 2019 , 1, 1000025	2.5	14
99	Investigation of a nanofluid-based concentrating thermal photovoltaic with a parabolic reflector. <i>Energy Conversion and Management</i> , 2019 , 180, 171-182	10.6	30
98	Alternative designs of parabolic trough solar collectors. <i>Progress in Energy and Combustion Science</i> , 2019 , 71, 81-117	33.6	171

97	Parametric analysis and optimization of an underfloor solar assisted heating system with phase change materials. <i>Thermal Science and Engineering Progress</i> , 2019 , 10, 59-72	3.6	23
96	Effects of size and volume fraction of alumina nanoparticles on the performance of a solar organic Rankine cycle. <i>Energy Conversion and Management</i> , 2019 , 182, 398-411	10.6	21
95	Investigation of a booster secondary reflector for a parabolic trough solar collector. <i>Solar Energy</i> , 2019 , 179, 174-185	6.8	25
94	Investigation of a nanofluid-based compound parabolic trough solar collector under laminar flow conditions. <i>Applied Thermal Engineering</i> , 2019 , 149, 366-376	5.8	34
93	Development of empirical models for estimation of global solar radiation exergy in India. <i>Journal of Cleaner Production</i> , 2019 , 207, 1-16	10.3	35
92	A review of concentrating solar thermal collectors with and without nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 763-786	4.1	74
91	Thermal efficiency enhancement of nanofluid-based parabolic trough collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 597-608	4.1	50
90	Enhancing the performance of a linear Fresnel reflector using nanofluids and internal finned absorber. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 237-255	4.1	28
89	Thermal and exergy performance of a nanofluid-based solar dish collector with spiral cavity receiver. <i>Applied Thermal Engineering</i> , 2018 , 135, 206-217	5.8	37
88	Optimum number of internal fins in parabolic trough collectors. <i>Applied Thermal Engineering</i> , 2018 , 137, 669-677	5.8	67
87	Multi-criteria evaluation of a nanofluid-based linear Fresnel solar collector. <i>Solar Energy</i> , 2018 , 163, 200-214	6.8	46
86	Multi-objective optimization of a solar driven trigeneration system. <i>Energy</i> , 2018 , 149, 47-62	7.9	69
85	Optical and thermal analysis of a linear Fresnel reflector operating with thermal oil, molten salt and liquid sodium. <i>Applied Thermal Engineering</i> , 2018 , 133, 70-80	5.8	36
84	A detailed parametric analysis of a solar dish collector. <i>Sustainable Energy Technologies and Assessments</i> , 2018 , 25, 99-110	4.7	37
83	Experimental investigation of the daily performance of an integrated linear Fresnel reflector system. <i>Solar Energy</i> , 2018 , 167, 220-230	6.8	17
82	Enhancing the performance of parabolic trough collectors using nanofluids and turbulators. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 91, 358-375	16.2	147
81	Assessment of the thermal enhancement methods in parabolic trough collectors. <i>International Journal of Energy and Environmental Engineering</i> , 2018 , 9, 59-70	4	22
80	Energetic and exergetic evaluation of a novel trigeneration system driven by parabolic trough solar collectors. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 41-47	3.6	23

79	Performance analysis and optimization of an absorption chiller driven by nanofluid based solar flat plate collector. <i>Journal of Cleaner Production</i> , 2018 , 174, 256-272	10.3	52
78	Exergetic investigation of a solar dish collector with smooth and corrugated spiral absorber operating with various nanofluids. <i>Journal of Cleaner Production</i> , 2018 , 174, 1147-1160	10.3	59
77	Thermal performance comparison between Al ₂ O ₃ /oil and SiO ₂ /oil nanofluids in cylindrical cavity receiver based on experimental study. <i>Renewable Energy</i> , 2018 , 129, 652-665	8.1	35
76	Investigation of a solar-biomass polygeneration system. <i>Energy Conversion and Management</i> , 2018 , 173, 283-295	10.6	49
75	A Realistic Approach of the Maximum Work Extraction from Solar Thermal Collectors. <i>Applied System Innovation</i> , 2018 , 1, 6	2.4	2
74	Analytical Expression of Parabolic Trough Solar Collector Performance. <i>Designs</i> , 2018 , 2, 9	1.8	23
73	Enhancing the Performance of Evacuated and Non-Evacuated Parabolic Trough Collectors Using Twisted Tape Inserts, Perforated Plate Inserts and Internally Finned Absorber. <i>Energies</i> , 2018 , 11, 1129	3.1	27
72	Numerical comparison of a solar dish concentrator with different cavity receivers and working fluids. <i>Journal of Cleaner Production</i> , 2018 , 198, 1013-1030	10.3	44
71	Multiple cylindrical inserts for parabolic trough solar collector. <i>Applied Thermal Engineering</i> , 2018 , 143, 80-89	5.8	47
70	Experimental and numerical investigation of a triple-dish solar concentrator: a thermal and exergy study. <i>International Journal of Exergy</i> , 2018 , 26, 481	1.2	1
69	GMDH modeling and experimental investigation of thermal performance enhancement of hemispherical cavity receiver using MWCNT/oil nanofluid. <i>Solar Energy</i> , 2018 , 171, 790-803	6.8	43
68	Secondary concentrator optimization of a linear Fresnel reflector using Bezier polynomial parametrization. <i>Solar Energy</i> , 2018 , 171, 716-727	6.8	31
67	Investigation of a star flow insert in a parabolic trough solar collector. <i>Applied Energy</i> , 2018 , 224, 86-102	10.7	68
66	Parametric analysis and optimization of a cooling system with ejector-absorption chiller powered by solar parabolic trough collectors. <i>Energy Conversion and Management</i> , 2018 , 168, 329-342	10.6	41
65	Development of analytical expressions for the incident angle modifiers of a linear Fresnel reflector. <i>Solar Energy</i> , 2018 , 173, 769-779	6.8	18
64	Energetic investigation of solar assisted heat pump underfloor heating systems with and without phase change materials. <i>Energy Conversion and Management</i> , 2018 , 173, 626-639	10.6	41
63	Daily, monthly and yearly performance of a linear Fresnel reflector. <i>Solar Energy</i> , 2018 , 173, 517-529	6.8	22
62	Energetic, exergetic and financial evaluation of a solar driven trigeneration system. <i>Thermal Science and Engineering Progress</i> , 2018 , 7, 99-106	3.6	32

61	A review on performance and environmental effects of conventional and nanofluid-based thermal photovoltaics. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 94, 302-316	16.2	88
60	The use of nanofluids in solar concentrating technologies: A comprehensive review. <i>Journal of Cleaner Production</i> , 2018 , 196, 84-99	10.3	120
59	Thermal and exergetic investigation of a solar dish collector operating with mono and hybrid nanofluids. <i>Thermal Science</i> , 2018 , 22, 1383-1393	1.2	3
58	Investigation of a hybrid ORC driven by waste heat and solar energy. <i>Energy Conversion and Management</i> , 2018 , 156, 427-439	10.6	68
57	Thermal, hydraulic and exergetic evaluation of a parabolic trough collector operating with thermal oil and molten salt based nanofluids. <i>Energy Conversion and Management</i> , 2018 , 156, 388-402	10.6	84
56	Thermal analysis of parabolic trough collector operating with mono and hybrid nanofluids. <i>Sustainable Energy Technologies and Assessments</i> , 2018 , 26, 105-115	4.7	83
55	Energetic and Financial Optimization of Solar Heat Industry Process with Parabolic Trough Collectors. <i>Designs</i> , 2018 , 2, 24	1.8	5
54	Parametric analysis and multi-objective optimization of a solar heating system for various building envelopes. <i>Thermal Science and Engineering Progress</i> , 2018 , 8, 307-317	3.6	9
53	Comparative study of spiral and conical cavity receivers for a solar dish collector. <i>Energy Conversion and Management</i> , 2018 , 178, 111-122	10.6	48
52	Investigation of a novel solar-driven refrigeration system with ejector. <i>Thermal Science and Engineering Progress</i> , 2018 , 8, 284-295	3.6	9
51	Energy and exergy investigation of alumina/oil and silica/oil nanofluids in hemispherical cavity receiver: Experimental Study. <i>Energy</i> , 2018 , 164, 275-287	7.9	30
50	Financial and Energetic Optimization of Greek Buildings Insulation. <i>Designs</i> , 2018 , 2, 34	1.8	3
49	Assessment of linear solar concentrating technologies for Greek climate. <i>Energy Conversion and Management</i> , 2018 , 171, 1502-1513	10.6	32
48	Development of an analytical model for the daily performance of solar thermal systems with experimental validation. <i>Sustainable Energy Technologies and Assessments</i> , 2018 , 28, 22-29	4.7	10
47	Energetic, exergetic and financial evaluation of a solar driven absorption chiller DA dynamic approach. <i>Energy Conversion and Management</i> , 2017 , 137, 34-48	10.6	77
46	Parametric analysis and optimization of a solar assisted gas turbine. <i>Energy Conversion and Management</i> , 2017 , 139, 151-165	10.6	49
45	Experimental and numerical investigation on the optical and thermal performance of solar parabolic dish and corrugated spiral cavity receiver. <i>Journal of Cleaner Production</i> , 2017 , 150, 75-92	10.3	78
44	Energetic and exergetic investigation of a parabolic trough collector with internal fins operating with carbon dioxide. <i>International Journal of Energy and Environmental Engineering</i> , 2017 , 8, 109-122	4	21

43	Experimental investigation and parametric analysis of a solar thermal dish collector with spiral absorber. <i>Applied Thermal Engineering</i> , 2017 , 121, 126-135	5.8	51
42	Parametric investigation of nanofluids utilization in parabolic trough collectors. <i>Thermal Science and Engineering Progress</i> , 2017 , 2, 71-79	3.6	95
41	A detailed working fluid investigation for solar parabolic trough collectors. <i>Applied Thermal Engineering</i> , 2017 , 114, 374-386	5.8	159
40	Parametric analysis and optimization of an Organic Rankine Cycle with nanofluid based solar parabolic trough collectors. <i>Renewable Energy</i> , 2017 , 114, 1376-1393	8.1	77
39	Energetic and exergetic investigation of a novel solar assisted mechanical compression refrigeration system. <i>Energy Conversion and Management</i> , 2017 , 147, 1-18	10.6	12
38	Parametric analysis and optimization of a solar driven trigeneration system based on ORC and absorption heat pump. <i>Journal of Cleaner Production</i> , 2017 , 161, 493-509	10.3	91
37	The impact of internal longitudinal fins in parabolic trough collectors operating with gases. <i>Energy Conversion and Management</i> , 2017 , 135, 35-54	10.6	78
36	Daily performance of parabolic trough solar collectors. <i>Solar Energy</i> , 2017 , 158, 663-678	6.8	62
35	A detailed exergetic analysis of parabolic trough collectors. <i>Energy Conversion and Management</i> , 2017 , 149, 275-292	10.6	87
34	Energetic and financial analysis of solar cooling systems with single effect absorption chiller in various climates. <i>Applied Thermal Engineering</i> , 2017 , 126, 809-821	5.8	37
33	Multi-criteria evaluation of parabolic trough collector with internally finned absorbers. <i>Applied Energy</i> , 2017 , 205, 540-561	10.7	89
32	Parametric investigation of supercritical carbon dioxide utilization in parabolic trough collectors. <i>Applied Thermal Engineering</i> , 2017 , 127, 736-747	5.8	25
31	Optimum design of a solar ejector refrigeration system for various operating scenarios. <i>Energy Conversion and Management</i> , 2017 , 154, 11-24	10.6	37
30	Thermodynamic investigation of LiCl-H ₂ O working pair in a double effect absorption chiller driven by parabolic trough collectors. <i>Thermal Science and Engineering Progress</i> , 2017 , 3, 75-87	3.6	32
29	Optimum geometry of parabolic trough collectors with optical and thermal criteria. <i>International Review of Applied Sciences and Engineering</i> , 2017 , 8, 45-50	0.3	7
28	Energetic, Exergetic, Economic and Environmental (4E) analysis of a solar assisted refrigeration system for various operating scenarios. <i>Energy Conversion and Management</i> , 2017 , 148, 1055-1069	10.6	39
27	Optimization of a Solar-Driven Trigeneration System with Nanofluid-Based Parabolic Trough Collectors. <i>Energies</i> , 2017 , 10, 848	3.1	48
26	Thermal and exergetic evaluation of parabolic trough collectors with finned absorbers operating with air. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2017 , 231, 631-644	1.6	6

25	Energetic and financial sustainability of solar assisted heat pump heating systems in Europe. <i>Sustainable Cities and Society</i> , 2017 , 33, 70-84	10.1	44
24	Thermal enhancement of parabolic trough collector with internally finned absorbers. <i>Solar Energy</i> , 2017 , 157, 514-531	6.8	93
23	Energetic and financial investigation of a stand-alone solar-thermal Organic Rankine Cycle power plant. <i>Energy Conversion and Management</i> , 2016 , 126, 421-433	10.6	121
22	Parametric investigation and optimization of an innovative trigeneration system. <i>Energy Conversion and Management</i> , 2016 , 127, 515-525	10.6	13
21	Experimental and numerical investigation of a linear Fresnel solar collector with flat plate receiver. <i>Energy Conversion and Management</i> , 2016 , 130, 44-59	10.6	73
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19	The use of parabolic trough collectors for solar cooling —A case study for Athens climate. <i>Case Studies in Thermal Engineering</i> , 2016 , 8, 403-413	5.6	51
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15	Thermal enhancement of solar parabolic trough collectors by using nanofluids and converging-diverging absorber tube. <i>Renewable Energy</i> , 2016 , 94, 213-222	8.1	255
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13	Design, simulation and optimization of a solar dish collector with spiral-coil thermal absorber. <i>Thermal Science</i> , 2016 , 20, 1387-1397	1.2	29
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1	Experimental investigation of a two-phase closed thermosyphon with Al ₂ O ₃ /R134a nanorefrigerant. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> ,095440892210939	1.5	