

# Evangelos Bellos

## List of Publications by Citations

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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	Thermal enhancement of solar parabolic trough collectors by using nanofluids and converging-diverging absorber tube. <i>Renewable Energy</i> , <b>2016</b> , 94, 213-222	8.1	255
185	Alternative designs of parabolic trough solar collectors. <i>Progress in Energy and Combustion Science</i> , <b>2019</b> , 71, 81-117	33.6	171
184	A detailed working fluid investigation for solar parabolic trough collectors. <i>Applied Thermal Engineering</i> , <b>2017</b> , 114, 374-386	5.8	159
183	Enhancing the performance of parabolic trough collectors using nanofluids and turbulators. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 91, 358-375	16.2	147
182	Energetic and exergetic analysis of waste heat recovery systems in the cement industry. <i>Energy</i> , <b>2013</b> , 58, 147-156	7.9	136
181	Energetic and financial investigation of a stand-alone solar-thermal Organic Rankine Cycle power plant. <i>Energy Conversion and Management</i> , <b>2016</b> , 126, 421-433	10.6	121
180	The use of nanofluids in solar concentrating technologies: A comprehensive review. <i>Journal of Cleaner Production</i> , <b>2018</b> , 196, 84-99	10.3	120
179	Thermal and optical efficiency investigation of a parabolic trough collector. <i>Case Studies in Thermal Engineering</i> , <b>2015</b> , 6, 226-237	5.6	113
178	Energetic and financial evaluation of solar assisted heat pump space heating systems. <i>Energy Conversion and Management</i> , <b>2016</b> , 120, 306-319	10.6	113
177	Exergetic, energetic and financial evaluation of a solar driven absorption cooling system with various collector types. <i>Applied Thermal Engineering</i> , <b>2016</b> , 102, 749-759	5.8	111
176	Enhancing the performance of automotive radiators using nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 112, 183-194	16.2	98
175	Parametric investigation of nanofluids utilization in parabolic trough collectors. <i>Thermal Science and Engineering Progress</i> , <b>2017</b> , 2, 71-79	3.6	95
174	A comprehensive review on minimum quantity lubrication (MQL) in machining processes using nano-cutting fluids. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 105, 2057-2086	3.2	95
173	Thermal enhancement of parabolic trough collector with internally finned absorbers. <i>Solar Energy</i> , <b>2017</b> , 157, 514-531	6.8	93
172	Parametric analysis and optimization of a solar driven trigeneration system based on ORC and absorption heat pump. <i>Journal of Cleaner Production</i> , <b>2017</b> , 161, 493-509	10.3	91
171	Multi-criteria evaluation of parabolic trough collector with internally finned absorbers. <i>Applied Energy</i> , <b>2017</b> , 205, 540-561	10.7	89
170	A review on performance and environmental effects of conventional and nanofluid-based thermal photovoltaics. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 94, 302-316	16.2	88

169	A detailed exergetic analysis of parabolic trough collectors. <i>Energy Conversion and Management</i> , <b>2017</b> , 149, 275-292	10.6	87
168	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> , <b>2021</b> , 84, 100898	33.6	86
167	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> , <b>2018</b> , 156, 388-402	10.6	84
166	Thermal analysis of parabolic trough collector operating with mono and hybrid nanofluids. <i>Sustainable Energy Technologies and Assessments</i> , <b>2018</b> , 26, 105-115	4.7	83
165	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> , <b>2017</b> , 150, 75-92	10.3	78
164	The impact of internal longitudinal fins in parabolic trough collectors operating with gases. <i>Energy Conversion and Management</i> , <b>2017</b> , 135, 35-54	10.6	78
163	Energetic, exergetic and financial evaluation of a solar driven absorption chiller $\Delta$ dynamic approach. <i>Energy Conversion and Management</i> , <b>2017</b> , 137, 34-48	10.6	77
162	Parametric analysis and optimization of an Organic Rankine Cycle with nanofluid based solar parabolic trough collectors. <i>Renewable Energy</i> , <b>2017</b> , 114, 1376-1393	8.1	77
161	The use of gas working fluids in parabolic trough collectors $\Delta$ An energetic and exergetic analysis. <i>Applied Thermal Engineering</i> , <b>2016</b> , 109, 1-14	5.8	77
160	Recent advances on the fundamental physical phenomena behind stability, dynamic motion, thermophysical properties, heat transport, applications, and challenges of nanofluids. <i>Physics Reports</i> , <b>2021</b> , 946, 1-1	27.7	75
159	Design, simulation and optimization of a compound parabolic collector. <i>Sustainable Energy Technologies and Assessments</i> , <b>2016</b> , 16, 53-63	4.7	74
158	A review of concentrating solar thermal collectors with and without nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 763-786	4.1	74
157	Experimental and numerical investigation of a linear Fresnel solar collector with flat plate receiver. <i>Energy Conversion and Management</i> , <b>2016</b> , 130, 44-59	10.6	73
156	Multi-objective optimization of a solar driven trigeneration system. <i>Energy</i> , <b>2018</b> , 149, 47-62	7.9	69
155	Investigation of a star flow insert in a parabolic trough solar collector. <i>Applied Energy</i> , <b>2018</b> , 224, 86-102	10.7	68
154	Investigation of a hybrid ORC driven by waste heat and solar energy. <i>Energy Conversion and Management</i> , <b>2018</b> , 156, 427-439	10.6	68
153	Optimum number of internal fins in parabolic trough collectors. <i>Applied Thermal Engineering</i> , <b>2018</b> , 137, 669-677	5.8	67
152	Exergetic and energetic comparison of LiCl-H <sub>2</sub> O and LiBr-H <sub>2</sub> O working pairs in a solar absorption cooling system. <i>Energy Conversion and Management</i> , <b>2016</b> , 123, 453-461	10.6	65

151	Daily performance of parabolic trough solar collectors. <i>Solar Energy</i> , <b>2017</b> , 158, 663-678	6.8	62
150	Solar-driven polygeneration systems: Recent progress and outlook. <i>Applied Energy</i> , <b>2020</b> , 264, 114764	10.7	62
149	Exergetic investigation of a solar dish collector with smooth and corrugated spiral absorber operating with various nanofluids. <i>Journal of Cleaner Production</i> , <b>2018</b> , 174, 1147-1160	10.3	59
148	Energetic and financial evaluation of a solar assisted heat pump heating system with other usual heating systems in Athens. <i>Applied Thermal Engineering</i> , <b>2016</b> , 106, 87-97	5.8	56
147	Recent advances in using nanofluids in renewable energy systems and the environmental implications of their uptake. <i>Nano Energy</i> , <b>2021</b> , 86, 106069	17.1	56
146	Progress in the design and the applications of linear Fresnel reflectors [A critical review. <i>Thermal Science and Engineering Progress</i> , <b>2019</b> , 10, 112-137	3.6	55
145	An innovative Trombe wall as a passive heating system for a building in Athens[A comparison with the conventional Trombe wall and the insulated wall. <i>Energy and Buildings</i> , <b>2016</b> , 133, 754-769	7	54
144	Performance analysis and optimization of an absorption chiller driven by nanofluid based solar flat plate collector. <i>Journal of Cleaner Production</i> , <b>2018</b> , 174, 256-272	10.3	52
143	Experimental investigation and parametric analysis of a solar thermal dish collector with spiral absorber. <i>Applied Thermal Engineering</i> , <b>2017</b> , 121, 126-135	5.8	51
142	The use of parabolic trough collectors for solar cooling [A case study for Athens climate. <i>Case Studies in Thermal Engineering</i> , <b>2016</b> , 8, 403-413	5.6	51
141	Thermal efficiency enhancement of nanofluid-based parabolic trough collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 597-608	4.1	50
140	Parametric analysis and optimization of a solar assisted gas turbine. <i>Energy Conversion and Management</i> , <b>2017</b> , 139, 151-165	10.6	49
139	Investigation of a solar-biomass polygeneration system. <i>Energy Conversion and Management</i> , <b>2018</b> , 173, 283-295	10.6	49
138	Optimization of a Solar-Driven Trigeneration System with Nanofluid-Based Parabolic Trough Collectors. <i>Energies</i> , <b>2017</b> , 10, 848	3.1	48
137	Comparative study of spiral and conical cavity receivers for a solar dish collector. <i>Energy Conversion and Management</i> , <b>2018</b> , 178, 111-122	10.6	48
136	Multiple cylindrical inserts for parabolic trough solar collector. <i>Applied Thermal Engineering</i> , <b>2018</b> , 143, 80-89	5.8	47
135	Multi-criteria evaluation of a nanofluid-based linear Fresnel solar collector. <i>Solar Energy</i> , <b>2018</b> , 163, 200-214	6.8	46
134	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> , <b>2021</b> , 287, 125070	10.3	45

133	Numerical comparison of a solar dish concentrator with different cavity receivers and working fluids. <i>Journal of Cleaner Production</i> , <b>2018</b> , 198, 1013-1030	10.3	44
132	Energetic and financial sustainability of solar assisted heat pump heating systems in Europe. <i>Sustainable Cities and Society</i> , <b>2017</b> , 33, 70-84	10.1	44
131	A numerical simulation of a linear Fresnel solar reflector directed to produce steam for the power plant. <i>Journal of Cleaner Production</i> , <b>2019</b> , 231, 494-508	10.3	43
130	GMDH modeling and experimental investigation of thermal performance enhancement of hemispherical cavity receiver using MWCNT/oil nanofluid. <i>Solar Energy</i> , <b>2018</b> , 171, 790-803	6.8	43
129	Parametric analysis and optimization of a cooling system with ejector-absorption chiller powered by solar parabolic trough collectors. <i>Energy Conversion and Management</i> , <b>2018</b> , 168, 329-342	10.6	41
128	Energetic investigation of solar assisted heat pump underfloor heating systems with and without phase change materials. <i>Energy Conversion and Management</i> , <b>2018</b> , 173, 626-639	10.6	41
127	Research and review study of solar dish concentrators with different nanofluids and different shapes of cavity receiver: Experimental tests. <i>Renewable Energy</i> , <b>2020</b> , 145, 783-804	8.1	41
126	Energetic, Exergetic, Economic and Environmental (4E) analysis of a solar assisted refrigeration system for various operating scenarios. <i>Energy Conversion and Management</i> , <b>2017</b> , 148, 1055-1069	10.6	39
125	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> , <b>2019</b> , 188, 40-53	10.6	37
124	Thermal and exergy performance of a nanofluid-based solar dish collector with spiral cavity receiver. <i>Applied Thermal Engineering</i> , <b>2018</b> , 135, 206-217	5.8	37
123	A detailed parametric analysis of a solar dish collector. <i>Sustainable Energy Technologies and Assessments</i> , <b>2018</b> , 25, 99-110	4.7	37
122	Energetic and financial analysis of solar cooling systems with single effect absorption chiller in various climates. <i>Applied Thermal Engineering</i> , <b>2017</b> , 126, 809-821	5.8	37
121	Optimum design of a solar ejector refrigeration system for various operating scenarios. <i>Energy Conversion and Management</i> , <b>2017</b> , 154, 11-24	10.6	37
120	Optical and thermal analysis of a linear Fresnel reflector operating with thermal oil, molten salt and liquid sodium. <i>Applied Thermal Engineering</i> , <b>2018</b> , 133, 70-80	5.8	36
119	Thermal performance comparison between Al <sub>2</sub> O <sub>3</sub> /oil and SiO <sub>2</sub> /oil nanofluids in cylindrical cavity receiver based on experimental study. <i>Renewable Energy</i> , <b>2018</b> , 129, 652-665	8.1	35
118	Development of empirical models for estimation of global solar radiation exergy in India. <i>Journal of Cleaner Production</i> , <b>2019</b> , 207, 1-16	10.3	35
117	Investigation of a nanofluid-based compound parabolic trough solar collector under laminar flow conditions. <i>Applied Thermal Engineering</i> , <b>2019</b> , 149, 366-376	5.8	34
116	Multi-objective optimization of a solar assisted heat pump-driven by hybrid PV. <i>Applied Thermal Engineering</i> , <b>2019</b> , 149, 528-535	5.8	33

115	Energetic, exergetic and financial evaluation of a solar driven trigeneration system. <i>Thermal Science and Engineering Progress</i> , <b>2018</b> , 7, 99-106	3.6	32
114	Thermodynamic investigation of LiCl-H <sub>2</sub> O working pair in a double effect absorption chiller driven by parabolic trough collectors. <i>Thermal Science and Engineering Progress</i> , <b>2017</b> , 3, 75-87	3.6	32
113	Assessment of linear solar concentrating technologies for Greek climate. <i>Energy Conversion and Management</i> , <b>2018</b> , 171, 1502-1513	10.6	32
112	Secondary concentrator optimization of a linear Fresnel reflector using Bezier polynomial parametrization. <i>Solar Energy</i> , <b>2018</b> , 171, 716-727	6.8	31
111	Investigation of a nanofluid-based concentrating thermal photovoltaic with a parabolic reflector. <i>Energy Conversion and Management</i> , <b>2019</b> , 180, 171-182	10.6	30
110	Energy and exergy investigation of alumina/oil and silica/oil nanofluids in hemispherical cavity receiver: Experimental Study. <i>Energy</i> , <b>2018</b> , 164, 275-287	7.9	30
109	Design, simulation and optimization of a solar dish collector with spiral-coil thermal absorber. <i>Thermal Science</i> , <b>2016</b> , 20, 1387-1397	1.2	29
108	Enhancing the performance of a linear Fresnel reflector using nanofluids and internal finned absorber. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 237-255	4.1	28
107	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> , <b>2018</b> , 11, 1129	3.1	27
106	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> , <b>2021</b> , 143, 4197-4215	4.1	27
105	Parametric analysis and yearly performance of a trigeneration system driven by solar-dish collectors. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 1534-1546	4.5	26
104	Financial and energetic evaluation of solar-assisted heat pump underfloor heating systems with phase change materials. <i>Applied Thermal Engineering</i> , <b>2019</b> , 149, 548-564	5.8	26
103	Enhancing the performance of a parabolic trough collector with combined thermal and optical techniques. <i>Applied Thermal Engineering</i> , <b>2020</b> , 164, 114496	5.8	26
102	Parametric investigation of supercritical carbon dioxide utilization in parabolic trough collectors. <i>Applied Thermal Engineering</i> , <b>2017</b> , 127, 736-747	5.8	25
101	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> , <b>2019</b> , 31, 179-198	4.7	25
100	Investigation of a booster secondary reflector for a parabolic trough solar collector. <i>Solar Energy</i> , <b>2019</b> , 179, 174-185	6.8	25
99	Solar desalination system with a focal point concentrator using different nanofluids. <i>Applied Thermal Engineering</i> , <b>2020</b> , 174, 115058	5.8	23
98	Energetic and exergetic evaluation of a novel trigeneration system driven by parabolic trough solar collectors. <i>Thermal Science and Engineering Progress</i> , <b>2018</b> , 6, 41-47	3.6	23

97	Analytical Expression of Parabolic Trough Solar Collector Performance. <i>Designs</i> , <b>2018</b> , 2, 9	1.8	23
96	Commercial parabolic trough CSP plants: Research trends and technological advancements. <i>Solar Energy</i> , <b>2020</b> , 211, 1422-1458	6.8	23
95	Parametric analysis and optimization of an underfloor solar assisted heating system with phase change materials. <i>Thermal Science and Engineering Progress</i> , <b>2019</b> , 10, 59-72	3.6	23
94	Assessment of the thermal enhancement methods in parabolic trough collectors. <i>International Journal of Energy and Environmental Engineering</i> , <b>2018</b> , 9, 59-70	4	22
93	Daily, monthly and yearly performance of a linear Fresnel reflector. <i>Solar Energy</i> , <b>2018</b> , 173, 517-529	6.8	22
92	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> , <b>2017</b> , 8, 109-122	4	21
91	A systematic parametric thermal analysis of nanofluid-based parabolic trough solar collectors. <i>Sustainable Energy Technologies and Assessments</i> , <b>2020</b> , 39, 100714	4.7	21
90	Effects of size and volume fraction of alumina nanoparticles on the performance of a solar organic Rankine cycle. <i>Energy Conversion and Management</i> , <b>2019</b> , 182, 398-411	10.6	21
89	Investigation and optimization of a solar assisted heat pump driven by nanofluid-based hybrid PV. <i>Energy Conversion and Management</i> , <b>2019</b> , 198, 111831	10.6	19
88	A Theoretical Comparative Study of CO <sub>2</sub> Cascade Refrigeration Systems. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 790	2.6	18
87	Development of analytical expressions for the incident angle modifiers of a linear Fresnel reflector. <i>Solar Energy</i> , <b>2018</b> , 173, 769-779	6.8	18
86	Reducing the optical end losses of a linear Fresnel reflector using novel techniques. <i>Solar Energy</i> , <b>2019</b> , 186, 247-256	6.8	17
85	Effect of use of MWCNT/oil nanofluid on the performance of solar organic Rankine cycle. <i>Energy Reports</i> , <b>2020</b> , 6, 782-794	4.6	17
84	Experimental investigation of the daily performance of an integrated linear Fresnel reflector system. <i>Solar Energy</i> , <b>2018</b> , 167, 220-230	6.8	17
83	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> , <b>2021</b> , 143,	2.3	17
82	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> , <b>2020</b> , 39, 100699	4.7	16
81	Enhancing the performance of a CO <sub>2</sub> refrigeration system with the use of an absorption chiller. <i>International Journal of Refrigeration</i> , <b>2019</b> , 108, 37-52	3.8	15
80	A Comparative Study of Solar-Driven Trigeneration Systems for the Building Sector. <i>Energies</i> , <b>2020</b> , 13, 2074	3.1	15



79	Optical and thermal analysis of different cavity receiver designs for solar dish concentrators. <i>Energy Conversion and Management: X</i> , <b>2019</b> , 2, 100013	2.5	15
78	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> , <b>2020</b> , 140, 33-51	4.1	15
77	Numerical Optimization Study of Archimedes Screw Turbine (AST): A case study. <i>Renewable Energy</i> , <b>2020</b> , 145, 2130-2143	8.1	15
76	Energy and financial investigation of a cogeneration system based on linear Fresnel reflectors. <i>Energy Conversion and Management</i> , <b>2019</b> , 198, 111821	10.6	14
75	Energy and financial analysis of a solar driven thermoelectric generator. <i>Journal of Cleaner Production</i> , <b>2020</b> , 264, 121534	10.3	14
74	A comparative study of CO2 refrigeration systems. <i>Energy Conversion and Management: X</i> , <b>2019</b> , 1, 1000025	2.5	14
73	Parametric investigation and optimization of an innovative trigeneration system. <i>Energy Conversion and Management</i> , <b>2016</b> , 127, 515-525	10.6	13
72	Energetic and exergetic investigation of a novel solar assisted mechanical compression refrigeration system. <i>Energy Conversion and Management</i> , <b>2017</b> , 147, 1-18	10.6	12
71	Investigation and optimization of a solar-assisted pumped thermal energy storage system with flat plate collectors. <i>Energy Conversion and Management</i> , <b>2021</b> , 237, 114137	10.6	12
70	Performance Assessment of a Solar Dryer System Using Small Parabolic Dish and Alumina/Oil Nanofluid: Simulation and Experimental Study. <i>Energies</i> , <b>2019</b> , 12, 4747	3.1	12
69	Yearly investigation of a solar-driven absorption refrigeration system with ammonia-water absorption pair. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 23, 100885	3.6	11
68	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> , <b>2022</b> , 239, 111633	6.4	11
67	CO2 Transcritical Refrigeration Cycle with Dedicated Subcooling: Mechanical Compression vs. Absorption Chiller. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 1605	2.6	10
66	Investigation of the Environmentally-Friendly Refrigerant R152a for Air Conditioning Purposes. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 119	2.6	10
65	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> , <b>2020</b> , 13, 1800	3.1	10
64	An up-to-date review on evacuated tube solar collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 2873-2889	4.1	10
63	Development of an analytical model for the daily performance of solar thermal systems with experimental validation. <i>Sustainable Energy Technologies and Assessments</i> , <b>2018</b> , 28, 22-29	4.7	10
62	A review of solar-driven organic Rankine cycles: Recent challenges and future outlook. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 150, 111410	16.2	10



61	Annual performance of a supermarket refrigeration system using different configurations with CO2 refrigerant. <i>Energy Conversion and Management: X</i> , <b>2019</b> , 1, 100006	2.5	9
60	Optical analysis and performance evaluation of a solar parabolic dish concentrator. <i>Thermal Science</i> , <b>2016</b> , 20, 1237-1249	1.2	9
59	Dynamic investigation and optimization of a solar-fed trigeneration system. <i>Applied Thermal Engineering</i> , <b>2021</b> , 191, 116869	5.8	9
58	Parametric analysis and multi-objective optimization of a solar heating system for various building envelopes. <i>Thermal Science and Engineering Progress</i> , <b>2018</b> , 8, 307-317	3.6	9
57	Investigation of a novel solar-driven refrigeration system with ejector. <i>Thermal Science and Engineering Progress</i> , <b>2018</b> , 8, 284-295	3.6	9
56	Exergy and economic assessments of solar organic Rankine cycle system with linear V-Shape cavity. <i>Energy Conversion and Management</i> , <b>2019</b> , 199, 111997	10.6	8
55	Thermal Behavior of a Building with Incorporated Phase Change Materials in the South and the North Wall. <i>Computation</i> , <b>2019</b> , 7, 2	2.2	8
54	Investigation of energy and financial performance of a novel CO2 supercritical solar-biomass trigeneration system for operation in the climate of Athens. <i>Energy Conversion and Management</i> , <b>2021</b> , 245, 114583	10.6	8
53	Energetic, Exergetic, and Financial Investigation of Biomass-Driven Trigeneration System. <i>Journal of Energy Engineering - ASCE</i> , <b>2019</b> , 145, 04019020	1.7	7
52	Optimum geometry of parabolic trough collectors with optical and thermal criteria. <i>International Review of Applied Sciences and Engineering</i> , <b>2017</b> , 8, 45-50	0.3	7
51	Solar concentrating systems and applications in Greece – A critical review. <i>Journal of Cleaner Production</i> , <b>2020</b> , 272, 122855	10.3	7
50	A cylindrical insert for parabolic trough solar collector. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 29, 1846-1876	4.5	7
49	A critical review of power generation using geothermal-driven organic Rankine cycle. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 25, 101028	3.6	7
48	Financial Optimization of a Solar-Driven Organic Rankine Cycle. <i>Applied System Innovation</i> , <b>2020</b> , 3, 23	2.4	6
47	Sensitivity analysis of a parabolic trough concentrator with linear V-shape cavity. <i>Energy Science and Engineering</i> , <b>2020</b> , 8, 3544-3560	3.4	6
46	Sensitivity analysis of parabolic trough concentrator using rectangular cavity receiver. <i>Applied Thermal Engineering</i> , <b>2020</b> , 169, 114948	5.8	6
45	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> , <b>2017</b> , 231, 631-644	1.6	6
44	Concentrating Solar Collectors for a Trigeneration System – A Comparative Study. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4492	2.6	6

43	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> , <b>2021</b> , 279, 123234	10.3	6
42	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> , <b>2021</b> , 317, 128430	10.3	6
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21	A Realistic Approach of the Maximum Work Extraction from Solar Thermal Collectors. <i>Applied System Innovation</i> , <b>2018</b> , 1, 6	2.4	2
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