

Gang Pei

List of Publications by Year in descending order

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187
papers

6,595
citations

76294

40
h-index

85498

71
g-index

188
all docs

188
docs citations

188
times ranked

3344
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric Analysis of a Novel Photovoltaic/Thermal System Using Amorphous Silicon Cells and Micro-Channel Loop Heat Pipes. <i>Heat Transfer Engineering</i> , 2022, 43, 1149-1170.	1.2	5
2	Light and thermal management of the semi-transparent radiative cooling glass for buildings. <i>Energy</i> , 2022, 238, 121761.	4.5	21
3	Absorption chiller waste heat utilization to the desiccant dehumidifier system for enhanced cooling " Energy and exergy analysis. <i>Energy</i> , 2022, 239, 121847.	4.5	12
4	Experimental study on a hybrid solar photothermic and radiative cooling collector equipped with a rotatable absorber/emitter plate. <i>Applied Energy</i> , 2022, 306, 118096.	5.1	20
5	Tunable thermal management based on solar heating and radiative cooling. <i>Solar Energy Materials and Solar Cells</i> , 2022, 235, 111457.	3.0	11
6	The energetic, exergetic, and mechanical comparison of two structurally optimized non-concentrating solar collectors for intermediate temperature applications. <i>Renewable Energy</i> , 2022, 184, 881-898.	4.3	9
7	An all-day cooling system that combines solar absorption chiller and radiative cooling. <i>Renewable Energy</i> , 2022, 186, 831-844.	4.3	19
8	Energy and exergetic analysis of applying solar cascade utilization to an artificial photosynthesis energy supply system. <i>Energy Conversion and Management</i> , 2022, 257, 115449.	4.4	3
9	Applications of radiative sky cooling in solar energy systems: Progress, challenges, and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 160, 112304.	8.2	37
10	Preliminary characterization of a dual-source passive building cooling system based on loop thermosyphon. <i>Energy and Buildings</i> , 2022, 262, 111981.	3.1	6
11	The energy, exergy, and techno-economic analysis of a solar seasonal residual energy utilization system. <i>Energy</i> , 2022, 248, 123626.	4.5	13
12	Radiative cooling of solar cells with micro-grating photonic cooler. <i>Renewable Energy</i> , 2022, 191, 662-668.	4.3	45
13	Self-adaptive integration of photothermal and radiative cooling for continuous energy harvesting from the sun and outer space. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120557119.	3.3	52
14	Extending the operation of a solar air collector to night-time by integrating radiative sky cooling: A comparative experimental study. <i>Energy</i> , 2022, 251, 123986.	4.5	10
15	A dual-layer polymer-based film for all-day sub-ambient radiative sky cooling. <i>Energy</i> , 2022, 254, 124350.	4.5	18
16	An innovative concentrated solar power system driven by high-temperature cascade organic Rankine cycle. <i>Journal of Energy Storage</i> , 2022, 52, 104999.	3.9	6
17	The spatial and temporal mismatch phenomenon in solar space heating applications: status and solutions. <i>Applied Energy</i> , 2022, 321, 119326.	5.1	13
18	Sub-ambient daytime radiative cooling based on continuous sunlight blocking. <i>Solar Energy Materials and Solar Cells</i> , 2022, 245, 111854.	3.0	11

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19	Analysis of a direct vapor generation system using cascade steam-organic Rankine cycle and two-tank oil storage. <i>Energy</i> , 2022, 257, 124776.	4.5	6
20	A full-spectrum synergetic management strategy for passive cooling of solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2022, 245, 111860.	3.0	8
21	Seasonal-regulatable energy systems design and optimization for solar energy year-round utilization. <i>Applied Energy</i> , 2022, 322, 119500.	5.1	28
22	Optimization strategies and verifications of negative thermal-flux region occurring in parabolic trough solar receiver. <i>Journal of Cleaner Production</i> , 2021, 278, 123407.	4.6	16
23	Effect of the spectrally selective features of the cover and emitter combination on radiative cooling performance. <i>Energy and Built Environment</i> , 2021, 2, 251-259.	2.9	14
24	Daylighting utilization and uniformity comparison for a concentrator-photovoltaic window in energy saving application on the building. <i>Energy</i> , 2021, 214, 118932.	4.5	21
25	Techno-economic assessment of performance-enhanced parabolic trough receiver in concentrated solar power plants. <i>Renewable Energy</i> , 2021, 167, 629-643.	4.3	46
26	Characterisation of a controllable loop thermosyphon for precise temperature management. <i>Applied Thermal Engineering</i> , 2021, 185, 116444.	3.0	11
27	Analysis of a novel photovoltaic/thermal system using InGaN/GaN MQWs cells in high temperature applications. <i>Renewable Energy</i> , 2021, 168, 11-20.	4.3	19
28	A parametric study on the performance characteristics of an evacuated flat-plate photovoltaic/thermal (PV/T) collector. <i>Renewable Energy</i> , 2021, 167, 884-898.	4.3	29
29	Passively improving liquid sorbent based atmospheric water generation by integration of fuel cell waste products. <i>Journal of Cleaner Production</i> , 2021, 287, 125007.	4.6	5
30	DNS of Instantaneous Behavior in Turbulent Forced and Mixed Convection of Liquid Metal Past a Backward-Facing Step. <i>Flow, Turbulence and Combustion</i> , 2021, 107, 125-147.	1.4	3
31	A spectral self-regulating parabolic trough solar receiver integrated with vanadium dioxide-based thermochromic coating. <i>Applied Energy</i> , 2021, 285, 116453.	5.1	29
32	Overall outdoor experiments on daylighting performance of a self-regulating photovoltaic/daylighting system in different seasons. <i>Applied Energy</i> , 2021, 286, 116548.	5.1	6
33	Analysis and quantification of effects of the diffuse solar irradiance on the daylighting performance of the concentrating photovoltaic/daylighting system. <i>Building and Environment</i> , 2021, 193, 107654.	3.0	10
34	Performance analysis of a novel bifacial solar photothermic and radiative cooling module. <i>Energy Conversion and Management</i> , 2021, 236, 114057.	4.4	16
35	Effect of phase change materials on the performance of direct vapor generation solar organic Rankine cycle system. <i>Energy</i> , 2021, 223, 120006.	4.5	8
36	Design and analysis of an innovative concentrated solar power system using cascade organic Rankine cycle and two-tank water/steam storage. <i>Energy Conversion and Management</i> , 2021, 237, 114108.	4.4	15

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37	Multi-objective approach for the performance and economic optimization of the two TED sub-cooled trans-critical carbon dioxide cycle. <i>International Journal of Refrigeration</i> , 2021, 127, 89-100.	1.8	2
38	An innovative approach to recovery of fluctuating industrial exhaust heat sources using cascade Rankine cycle and two-stage accumulators. <i>Energy</i> , 2021, 228, 120587.	4.5	4
39	Is it possible for a photovoltaic-thermoelectric device to generate electricity at night?. <i>Solar Energy Materials and Solar Cells</i> , 2021, 228, 111136.	3.0	32
40	Integration of radiative sky cooling to the photovoltaic and thermoelectric system for improved space cooling. <i>Applied Thermal Engineering</i> , 2021, 196, 117230.	3.0	11
41	A rigid spectral selective cover for integrated solar heating and radiative sky cooling system. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111270.	3.0	7
42	Experimental study of a novel cool-storage refrigerator with controllable two-phase loop thermosyphon. <i>International Journal of Refrigeration</i> , 2021, 129, 32-42.	1.8	6
43	A novel selective emissivity spectrum for radiative sky cooling. <i>Solar Energy Materials and Solar Cells</i> , 2021, 232, 111380.	3.0	9
44	Performance evaluation for the dielectric asymmetric compound parabolic concentrator with almost unity angular acceptance efficiency. <i>Energy</i> , 2021, 233, 121065.	4.5	6
45	Effect of working fluids on the performance of phase change material storage based direct vapor generation solar organic Rankine cycle system. <i>Energy Reports</i> , 2021, 7, 348-361.	2.5	16
46	Feasibility of realizing daytime solar heating and radiative cooling simultaneously with a novel structure. <i>Sustainable Cities and Society</i> , 2021, 74, 103224.	5.1	13
47	Performance analysis of the aerogel-based PV/T collector: A numerical study. <i>Solar Energy</i> , 2021, 228, 339-348.	2.9	14
48	Negative thermal-flux phenomenon and regional solar absorbing coating improvement strategy for the next-generation solar power tower. <i>Energy Conversion and Management</i> , 2021, 247, 114756.	4.4	12
49	An innovative hybrid solar preheating intercooled gas turbine using parabolic trough collectors. <i>Renewable Energy</i> , 2021, 179, 1009-1026.	4.3	9
50	A general optimization strategy for the annual performance enhancement of a solar concentrating system incorporated in the south-facing wall of a building. <i>Indoor and Built Environment</i> , 2020, 29, 1386-1398.	1.5	8
51	Quantitative analyses and a novel optimization strategy on negative energy-flow region in parabolic trough solar receivers. <i>Solar Energy</i> , 2020, 196, 663-672.	2.9	7
52	Thermal performance evaluation of subcritical organic Rankine cycle for waste heat recovery from sinter annular cooler. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 248-258.	1.4	8
53	Effect of grid and optimization on improving the electrical performance of compound parabolic concentrator photovoltaic cells. <i>Solar Energy</i> , 2020, 196, 607-615.	2.9	11
54	Performance assessment of a trifunctional system integrating solar PV, solar thermal, and radiative sky cooling. <i>Applied Energy</i> , 2020, 260, 114167.	5.1	56

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55	A review on independent and integrated/coupled two-phase loop thermosyphons. <i>Applied Energy</i> , 2020, 280, 115885.	5.1	46
56	Performance investigation of solar tower system using cascade supercritical carbon dioxide Brayton-steam Rankine cycle. <i>Energy Conversion and Management</i> , 2020, 225, 113430.	4.4	28
57	Potential of performance improvement of concentrated solar power plants by optimizing the parabolic trough receiver. <i>Frontiers in Energy</i> , 2020, 14, 867-881.	1.2	2
58	Effect of Phase Change Material Storage on the Dynamic Performance of a Direct Vapor Generation Solar Organic Rankine Cycle System. <i>Energies</i> , 2020, 13, 5904.	1.6	9
59	Modeling and optimization of radiative cooling based thermoelectric generators. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	50
60	An analytical study of the nocturnal radiative cooling potential of typical photovoltaic/thermal module. <i>Applied Energy</i> , 2020, 277, 115625.	5.1	23
61	Development of a 2D temperature-irradiance coupling model for performance characterizations of the flat-plate photovoltaic/thermal (PV/T) collector. <i>Renewable Energy</i> , 2020, 153, 404-419.	4.3	28
62	The fuel cell and atmospheric water generator hybrid system for supplying grid-independent power and freshwater. <i>Applied Energy</i> , 2020, 279, 115780.	5.1	14
63	A spectrally selective surface structure for combined photothermic conversion and radiative sky cooling. <i>Frontiers in Energy</i> , 2020, 14, 882-888.	1.2	6
64	Performance analysis of the sky radiative and thermoelectric hybrid cooling system. <i>Energy</i> , 2020, 200, 117516.	4.5	14
65	Enhanced cooling by applying the radiative sky cooler to both ends of the thermoelectric cooler. <i>Energy Conversion and Management</i> , 2020, 212, 112785.	4.4	12
66	Investigation of an innovative PV/T-ORC system using amorphous silicon cells and evacuated flat plate solar collectors. <i>Energy</i> , 2020, 203, 117873.	4.5	16
67	Feasibility research on a hybrid solar tower system using steam and molten salt as heat transfer fluid. <i>Energy</i> , 2020, 205, 118094.	4.5	11
68	Effect of regenerator on the direct steam generation solar power system characterized by prolonged thermal storage and stable power conversion. <i>Renewable Energy</i> , 2020, 159, 1099-1116.	4.3	6
69	Temperature-dependent performance of amorphous silicon photovoltaic/thermal systems in the long term operation. <i>Applied Energy</i> , 2020, 275, 115156.	5.1	10
70	Assessment of Performance Enhancement Potential of a High-Temperature Parabolic Trough Collector System Combining the Optimized IR-Reflectors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3744.	1.3	3
71	Investigation on an Improved Household Refrigerator for Energy Saving of Residential Buildings. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4246.	1.3	5
72	Comprehensive experimental testing and analysis on parabolic trough solar receiver integrated with radiation shield. <i>Applied Energy</i> , 2020, 268, 115004.	5.1	39

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73	Performance characteristics of variable conductance loop thermosyphon for energy-efficient building thermal control. <i>Applied Energy</i> , 2020, 275, 115337.	5.1	13
74	Evaluate the validity of the empirical correlations of clearance and friction coefficients to improve a scroll expander semi-empirical model. <i>Energy</i> , 2020, 202, 117723.	4.5	8
75	Spectral-spatial design and coupling analysis of the parabolic trough receiver. <i>Applied Energy</i> , 2020, 264, 114692.	5.1	4
76	Parameter study of sinter waste heat recovery in vertical tank based on energy and exergy analysis. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 22-32.	1.4	5
77	Solar gain mitigation in ventilated tiled roofs by using phase change materials. <i>International Journal of Low-Carbon Technologies</i> , 2020, 15, 434-442.	1.2	4
78	Consideration of cooling loss process of the emitter for radiative cooling. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, 014703.	0.8	5
79	A novel integrated solar gas turbine trigeneration system for production of power, heat and cooling: Thermodynamic-economic-environmental analysis. <i>Renewable Energy</i> , 2020, 152, 925-941.	4.3	24
80	Feasibility research on a double-covered hybrid photo-thermal and radiative sky cooling module. <i>Solar Energy</i> , 2020, 197, 332-343.	2.9	22
81	Spectrally selective approaches for passive cooling of solar cells: A review. <i>Applied Energy</i> , 2020, 262, 114548.	5.1	98
82	Performance analysis on a crystalline silicon photovoltaic cell under non-uniform illumination distribution with a high electrical efficiency. <i>Solar Energy</i> , 2020, 203, 275-283.	2.9	9
83	Small scale optimization in crystalline silicon solar cell on efficiency enhancement of low-concentrating photovoltaic cell. <i>Solar Energy</i> , 2020, 202, 316-325.	2.9	20
84	Experimental and numerical analysis of an efficiently optimized evacuated flat plate solar collector under medium temperature. <i>Applied Energy</i> , 2020, 269, 115129.	5.1	51
85	The study of a seasonal solar CCHP system based on evacuated flat-plate collectors and organic Rankine cycle. <i>Thermal Science</i> , 2020, 24, 915-924.	0.5	4
86	Overall detail comparison for a building integrated concentrating photovoltaic/daylighting system. <i>Energy and Buildings</i> , 2019, 199, 415-426.	3.1	21
87	Spectral optimization of solar selective absorbing coating for parabolic trough receiver. <i>Energy</i> , 2019, 183, 639-650.	4.5	15
88	A novel strategy for a building-integrated diurnal photovoltaic and all-day radiative cooling system. <i>Energy</i> , 2019, 183, 892-900.	4.5	34
89	Design, optimization and performance analysis of an asymmetric concentrator-PV type window for the building south wall application. <i>Solar Energy</i> , 2019, 193, 422-433.	2.9	28
90	Performance analysis of integrated linear fresnel reflector with a conventional cooling, heat, and power tri-generation plant. <i>Renewable Energy</i> , 2019, 138, 639-650.	4.3	20

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91	Theoretical and experimental studies of impacts of heat shields on heat pipe evacuated tube solar collector. <i>Renewable Energy</i> , 2019, 138, 999-1009.	4.3	46
92	Performance evaluation of daytime radiative cooling under different clear sky conditions. <i>Applied Thermal Engineering</i> , 2019, 155, 660-666.	3.0	54
93	Daylighting characteristics and experimental validation of a novel concentrating photovoltaic/daylighting system. <i>Solar Energy</i> , 2019, 186, 264-276.	2.9	14
94	Performance analysis of a hybrid system combining photovoltaic and nighttime radiative cooling. <i>Applied Energy</i> , 2019, 252, 113432.	5.1	44
95	Feasibility of an innovative amorphous silicon photovoltaic/thermal system for medium temperature applications. <i>Applied Energy</i> , 2019, 252, 113427.	5.1	27
96	Novel parabolic trough power system integrating direct steam generation and molten salt systems: Preliminary thermodynamic study. <i>Energy Conversion and Management</i> , 2019, 195, 909-926.	4.4	16
97	Effects of different types of defects on ignition mechanisms in shocked $\hat{1}^2$ -cyclo-tetramethylene tetranitramine crystals: A molecular dynamics study based on ReaxFF-1g force field. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	17
98	General strategy of passive sub-ambient daytime radiative cooling. <i>Solar Energy Materials and Solar Cells</i> , 2019, 199, 108-113.	3.0	41
99	Experimental study on the temperature management behaviours of a controllable loop thermosyphon. <i>Energy Conversion and Management</i> , 2019, 195, 436-446.	4.4	17
100	Experimental optimization on the volume-filling ratio of a loop thermosyphon photovoltaic/thermal system. <i>Renewable Energy</i> , 2019, 143, 233-242.	4.3	34
101	Experimental study on a hybrid photo-thermal and radiative cooling collector using black acrylic paint as the panel coating. <i>Renewable Energy</i> , 2019, 139, 1217-1226.	4.3	48
102	Conventional photovoltaic panel for nocturnal radiative cooling and preliminary performance analysis. <i>Energy</i> , 2019, 175, 677-686.	4.5	27
103	Effect of gas inlet parameters on exergy transfer performance of sinter cooling process in vertical moving bed. <i>Applied Thermal Engineering</i> , 2019, 152, 126-134.	3.0	9
104	The design, construction and experimental characterization of a novel concentrating photovoltaic/daylighting window for green building roof. <i>Energy</i> , 2019, 175, 1138-1152.	4.5	18
105	Numerical analysis of a novel household refrigerator with controllable loop thermosyphons. <i>International Journal of Refrigeration</i> , 2019, 104, 134-143.	1.8	6
106	Design of steam condensation temperature for an innovative solar thermal power generation system using cascade Rankine cycle and two-stage accumulators. <i>Energy Conversion and Management</i> , 2019, 184, 389-401.	4.4	19
107	Performance evaluation and analyses of novel parabolic trough evacuated collector tubes with spectrum-selective glass envelope. <i>Renewable Energy</i> , 2019, 138, 793-804.	4.3	33
108	Preliminary evaluation of the energy-saving behavior of a novel household refrigerator. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	0.8	6

#	ARTICLE	IF	CITATIONS
109	Radiative cooling: A review of fundamentals, materials, applications, and prospects. <i>Applied Energy</i> , 2019, 236, 489-513.	5.1	474
110	Frictional pressure drop characteristics of air flow through sinter bed layer in vertical tank. <i>Powder Technology</i> , 2019, 344, 177-182.	2.1	13
111	Thermo-economic evaluation of an innovative direct steam generation solar power system using screw expanders in a tandem configuration. <i>Applied Thermal Engineering</i> , 2019, 148, 1007-1017.	3.0	20
112	A novel approach to thermal storage of direct steam generation solar power systems through two-step heat discharge. <i>Applied Energy</i> , 2019, 236, 81-100.	5.1	30
113	Preliminary experimental study of a specular and a diffuse surface for daytime radiative cooling. <i>Solar Energy Materials and Solar Cells</i> , 2019, 191, 290-296.	3.0	73
114	Effect of non-condensable gas on the behaviours of a controllable loop thermosyphon under active control. <i>Applied Thermal Engineering</i> , 2019, 146, 288-294.	3.0	16
115	Annual performance simulation of a solar cogeneration plant with sensible heat storage to provide electricity demand for a small community: A transient model. <i>Hittite Journal of Science & Engineering</i> , 2019, 6, 75-81.	0.2	3
116	Numerical and lab experiment study of a novel concentrating PV with uniform flux distribution. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 1-9.	3.0	39
117	Life-cycle assessment of a low-concentration PV module for building south wall integration in China. <i>Applied Energy</i> , 2018, 215, 174-185.	5.1	47
118	Comprehensive photonic approach for diurnal photovoltaic and nocturnal radiative cooling. <i>Solar Energy Materials and Solar Cells</i> , 2018, 178, 266-272.	3.0	103
119	Performance study and comparative analysis of traditional and double-selective-coated parabolic trough receivers. <i>Energy</i> , 2018, 145, 206-216.	4.5	40
120	Numerical investigation and experimental validation of the impacts of an inner radiation shield on parabolic trough solar receivers. <i>Applied Thermal Engineering</i> , 2018, 132, 381-392.	3.0	40
121	Effect of non-uniform illumination and temperature distribution on concentrating solar cell - A review. <i>Energy</i> , 2018, 144, 1119-1136.	4.5	86
122	Comparative analysis of different surfaces for integrated solar heating and radiative cooling: A numerical study. <i>Energy</i> , 2018, 155, 360-369.	4.5	34
123	A review on the recent research progress in the compound parabolic concentrator (CPC) for solar energy applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1272-1296.	8.2	166
124	Experimental study of organic Rankine cycle in the presence of non-condensable gases. <i>Energy</i> , 2018, 142, 739-753.	4.5	10
125	Parametric analysis and annual performance evaluation of an air-based integrated solar heating and radiative cooling collector. <i>Energy</i> , 2018, 165, 811-824.	4.5	31
126	Field investigation of a hybrid photovoltaic-photothermic-radiative cooling system. <i>Applied Energy</i> , 2018, 231, 288-300.	5.1	49

#	ARTICLE	IF	CITATIONS
127	Performance analysis of enhanced radiative cooling of solar cells based on a commercial silicon photovoltaic module. <i>Solar Energy</i> , 2018, 176, 248-255.	2.9	85
128	Numerical study and experimental validation of a combined diurnal solar heating and nocturnal radiative cooling collector. <i>Applied Thermal Engineering</i> , 2018, 145, 1-13.	3.0	45
129	Efficient transformation of corn stover to furfural using p-hydroxybenzenesulfonic acid-formaldehyde resin solid acid. <i>Bioresource Technology</i> , 2018, 264, 261-267.	4.8	70
130	Experimental study on a novel photovoltaic thermal system using amorphous silicon cells deposited on stainless steel. <i>Energy</i> , 2018, 159, 786-798.	4.5	16
131	A novel concentrating photovoltaic/daylighting control system: Optical simulation and preliminary experimental analysis. <i>Applied Energy</i> , 2018, 228, 1362-1372.	5.1	39
132	Off-design performance modelling of a solar organic Rankine cycle integrated with pressurized hot water storage unit for community level application. <i>Energy Conversion and Management</i> , 2018, 166, 132-145.	4.4	25
133	Preliminary performance study of a high-temperature parabolic trough solar evacuated receiver with an inner transparent radiation shield. <i>Solar Energy</i> , 2018, 173, 640-650.	2.9	23
134	Preliminary thermal analysis of a combined photovoltaic-photothermic-nocturnal radiative cooling system. <i>Energy</i> , 2017, 137, 419-430.	4.5	60
135	Modeling and optimization of solar-powered cascade Rankine cycle system with respect to the characteristics of steam screw expander. <i>Renewable Energy</i> , 2017, 112, 398-412.	4.3	26
136	p-Hydroxybenzenesulfonic acid-formaldehyde solid acid resin for the conversion of fructose and glucose to 5-hydroxymethylfurfural. <i>RSC Advances</i> , 2017, 7, 27682-27688.	1.7	31
137	Thermodynamic and economic investigation of a screw expander-based direct steam generation solar cascade Rankine cycle system using water as thermal storage fluid. <i>Applied Energy</i> , 2017, 195, 137-151.	5.1	41
138	Performance of a building-integrated photovoltaic/thermal system under frame shadows. <i>Energy and Buildings</i> , 2017, 134, 71-79.	3.1	19
139	Thermodynamic comparison and dynamic simulation of direct and indirect solar organic Rankine cycle systems with PCM storage. <i>Energy Procedia</i> , 2017, 129, 716-723.	1.8	14
140	Optimization design and performance analysis of a novel asymmetric compound parabolic concentrator with rotation angle for building application. <i>Solar Energy</i> , 2017, 158, 808-818.	2.9	40
141	Experimental investigation on controllable loop thermosyphon with a reservoir. <i>Applied Thermal Engineering</i> , 2017, 126, 322-329.	3.0	14
142	Performance analysis on a high-temperature solar evacuated receiver with an inner radiation shield. <i>Energy</i> , 2017, 139, 447-458.	4.5	40
143	Conceptual development of a building-integrated photovoltaic-radiative cooling system and preliminary performance analysis in Eastern China. <i>Applied Energy</i> , 2017, 205, 626-634.	5.1	73
144	Preliminary study on variable conductance loop thermosyphons. <i>Energy Conversion and Management</i> , 2017, 147, 66-74.	4.4	20

#	ARTICLE	IF	CITATIONS
145	Effect of Precipitable Water Vapor Amount on Radiative Cooling Performance. IOP Conference Series: Materials Science and Engineering, 2017, 199, 012081.	0.3	0
146	A novel concentrated solar power system using cascade steam-organic Rankine cycle and two-stage accumulators. Energy Procedia, 2017, 142, 386-394.	1.8	5
147	Design and Optical Evaluation of a Novel Asymmetric Lens-Walled Compound Parabolic Concentrator (ALCPC) Integration with Building South Wall. Journal of Daylighting, 2017, 4, 26-36.	0.5	10
148	Investigation on the Optimum Volume-Filling Ratio of a Loop Thermosyphon Solar Water-Heating System. Journal of Solar Energy Engineering, Transactions of the ASME, 2016, 138, .	1.1	22
149	Performance evaluation of controllable separate heat pipes. Applied Thermal Engineering, 2016, 100, 518-527.	3.0	23
150	Field test and preliminary analysis of a combined diurnal solar heating and nocturnal radiative cooling system. Applied Energy, 2016, 179, 899-908.	5.1	110
151	Experimental study of the effect of inclination angle on the thermal performance of heat pipe photovoltaic/thermal (PV/T) systems with wickless heat pipe and wire-meshed heat pipe. Applied Thermal Engineering, 2016, 106, 651-660.	3.0	99
152	Performance study of a static low-concentration evacuated tube solar collector for medium-temperature applications. International Journal of Low-Carbon Technologies, 2016, 11, 363-369.	1.2	4
153	Effect of working fluids on the performance of a novel direct vapor generation solar organic Rankine cycle system. Applied Thermal Engineering, 2016, 98, 786-797.	3.0	49
154	Structure optimization and annual performance analysis of the lens-walled compound parabolic concentrator. International Journal of Green Energy, 2016, 13, 944-950.	2.1	17
155	A cascade organic Rankine cycle power generation system using hybrid solar energy and liquefied natural gas. Solar Energy, 2016, 127, 136-146.	2.9	79
156	Analysis of a novel solar electricity generation system using cascade Rankine cycle and steam screw expander. Applied Energy, 2016, 165, 627-638.	5.1	72
157	Theoretical and Experimental Study of Spectral Selectivity Surface for Both Solar Heating and Radiative Cooling. International Journal of Photoenergy, 2015, 2015, 1-9.	1.4	31
158	Outdoor overall performance of a novel air-gap-lens-walled compound parabolic concentrator (ALCPC) incorporated with photovoltaic/thermal system. Applied Energy, 2015, 144, 214-223.	5.1	86
159	Numerical and experimental study on a PV/T system with static miniature solar concentrator. Solar Energy, 2015, 120, 565-574.	2.9	101
160	An Outdoor Experiment of a Lens-Walled Compound Parabolic Concentrator Photovoltaic Module on a Sunny Day in Nottingham. Journal of Solar Energy Engineering, Transactions of the ASME, 2014, 136, .	1.1	4
161	Design of the ORC (organic Rankine cycle) condensation temperature with respect to the expander characteristics for domestic CHP (combined heat and power) applications. Energy, 2014, 77, 579-590.	4.5	27
162	Optical evaluation of a novel static incorporated compound parabolic concentrator with photovoltaic/thermal system and preliminary experiment. Energy Conversion and Management, 2014, 85, 204-211.	4.4	70

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