

Yuehong Su

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.

173 papers	3,871 citations	30 h-index	54 g-index
179 ext. papers	4,776 ext. citations	6.2 avg, IF	6.05 L-index

#	Paper	IF	Citations
173	Analysis of environmental sustainability of e-waste in developing countries - a case study from Pakistan.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	2
172	Environmental life cycle analysis of a modern commercial-scale fibreglass composite-based biogas scrubbing system. <i>Renewable Energy</i> , 2022 , 185, 1261-1271	8.1	0
171	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	10.7	3
170	Applications of radiative sky cooling in solar energy systems: Progress, challenges, and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 160, 112304	16.2	3
169	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	7.9	0
168	A Study on Daylighting Performance of Split Louver with Simplified Parametric Control. <i>Buildings</i> , 2022 , 12, 594	3.2	0
167	Alternative experimental characterization of phase change material plasterboard using two-step temperature ramping technique. <i>Energy and Buildings</i> , 2022 , 267, 112153	7	
166	Performance investigation of a novel solar direct-drive sweeping gas membrane distillation system with a multi-surface concentrator. <i>Desalination</i> , 2022 , 537, 115848	10.3	1
165	An Investigation into the Potential of Hosting Capacity and the Frequency Stability of a Regional Grid with Increasing Penetration Level of Large-Scale PV Systems. <i>Electronics (Switzerland)</i> , 2021 , 10, 1254	2.6	0
164	Performance analysis of a novel bifacial solar photothermic and radiative cooling module. <i>Energy Conversion and Management</i> , 2021 , 236, 114057	10.6	7
163	Feasibility of hybrid renewable heating system application in poultry house: a case study of East Midlands, UK. <i>International Journal of Low-Carbon Technologies</i> , 2021 , 16, 73-88	2.8	2
162	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	6.3	6
161	Life cycle assessment of a cleaner supercritical coal-fired power plant. <i>Journal of Cleaner Production</i> , 2021 , 279, 123869	10.3	21
160	An automated louver with innovative parametrically-angled reflective slats: Prototyping and validation via using parametric control in Grasshopper along with Arduino board. <i>Energy and Buildings</i> , 2021 , 231, 110614	7	3
159	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	8.1	9
158	A novel automated louver with parametrically-angled reflective slats; design evaluation for better practicality and daylighting uniformity. <i>Journal of Building Engineering</i> , 2021 , 42, 102438	5.2	6
157	Feasibility of realizing daytime solar heating and radiative cooling simultaneously with a novel structure. <i>Sustainable Cities and Society</i> , 2021 , 74, 103224	10.1	2

156	Life cycle assessment of a novel biomass-based aerogel material for building insulation. <i>Journal of Building Engineering</i> , 2021 , 44, 102988	5.2	1
155	Implementation of Passive Radiative Cooling Technology in Buildings: A Review. <i>Buildings</i> , 2020 , 10, 2153.	3.2	6
154	Investigation of an innovative PV/T-ORC system using amorphous silicon cells and evacuated flat plate solar collectors. <i>Energy</i> , 2020 , 203, 117873	7.9	7
153	Sound absorption characteristics of KGM-based aerogel. <i>International Journal of Low-Carbon Technologies</i> , 2020 , 15, 450-457	2.8	9
152	Investigation on an Improved Household Refrigerator for Energy Saving of Residential Buildings. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4246	2.6	4
151	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	7.9	3
150	Solar gain mitigation in ventilated tiled roofs by using phase change materials. <i>International Journal of Low-Carbon Technologies</i> , 2020 , 15, 434-442	2.8	0
149	A simulation study on performance improvement of solar assisted heat pump hot water system by novel controllable crystallization of supercooled PCMs. <i>Renewable Energy</i> , 2020 , 152, 601-612	8.1	26
148	Feasibility research on a double-covered hybrid photo-thermal and radiative sky cooling module. <i>Solar Energy</i> , 2020 , 197, 332-343	6.8	14
147	Sustainability and CDM potential analysis of a novel vs conventional bioenergy projects in South Asia by multi-criteria decision-making method. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 23081-23093	5.1	7
146	An industrial scale testing and analysis of waste-to-energy production from various substrates by employing a modern anaerobic digestion plant. <i>Biomass and Bioenergy</i> , 2020 , 138, 105571	5.3	3
145	Daylight Distribution Improvement Using Automated Prismatic Louvre. <i>Journal of Daylighting</i> , 2020 , 7, 84-92	1.6	4
144	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	1.2	2
143	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	1.8	4
142	Performance assessment of a trifunctional system integrating solar PV, solar thermal, and radiative sky cooling. <i>Applied Energy</i> , 2020 , 260, 114167	10.7	34
141	Coordinated control strategy of DC microgrid with hybrid energy storage system to smooth power output fluctuation. <i>International Journal of Low-Carbon Technologies</i> , 2020 , 15, 46-54	2.8	28
140	A comprehensive review on renewable and sustainable heating systems for poultry farming. <i>International Journal of Low-Carbon Technologies</i> , 2020 , 15, 121-142	2.8	13
139	A review on independent and integrated/coupled two-phase loop thermosyphons. <i>Applied Energy</i> , 2020 , 280, 115885	10.7	13

138	Advanced parametric louver systems with bi-axis and two-layer designs for an extensive daylighting coverage in a deep-plan office room. <i>Solar Energy</i> , 2020 , 206, 596-613	6.8	11
137	Non-uniform sizing of PV cells in the dense-array module to match the non-uniform illumination in dish-type CPV systems. <i>International Journal of Low-Carbon Technologies</i> , 2020 , 15, 565-573	2.8	2
136	Theoretic analysis and experimental evaluation of the spectrum transmission coefficient of a multilayer photovoltaic vacuum glazing. <i>International Journal of Low-Carbon Technologies</i> , 2020 , 15, 574-582	2.8	2
135	An analytical study of the nocturnal radiative cooling potential of typical photovoltaic/thermal module. <i>Applied Energy</i> , 2020 , 277, 115625	10.7	15
134	Waste valorization and resource conservation in rice processing industries-an analytical study from Pakistan. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 43372-43388	5.1	0
133	An analytical study to predict the future of Pakistan's energy sustainability versus rest of South Asia. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 39, 100707	4.7	7
132	The advances of polysaccharide-based aerogels: Preparation and potential application. <i>Carbohydrate Polymers</i> , 2019 , 226, 115242	10.3	55
131	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	6.8	13
130	Thermal insulation performance of an advanced photovoltaic vacuum glazing: A numerical investigation and simulation. <i>Journal of Renewable and Sustainable Energy</i> , 2019 , 11, 015101	2.5	6
129	Numerical investigations and performance comparisons of a novel cross-flow hollow fiber integrated liquid desiccant dehumidification system. <i>Energy</i> , 2019 , 182, 1115-1131	7.9	13
128	Performance analysis and design implementation of a novel polymer hollow fiber liquid desiccant dehumidifier with aqueous potassium formate. <i>Thermal Science and Engineering Progress</i> , 2019 , 13, 100366	3.6	2
127	Performance of seawater-filling type planting system based on solar distillation process: Numerical and experimental investigation. <i>Applied Energy</i> , 2019 , 250, 1225-1234	10.7	4
126	A study on heat storage sizing and flow control for a domestic scale solar-powered organic Rankine cycle-vapour compression refrigeration system. <i>Renewable Energy</i> , 2019 , 143, 301-312	8.1	18
125	The prototype construction and performance evaluation of dish-type concentrator photovoltaic system. <i>International Journal of Low-Carbon Technologies</i> , 2019 , 14, 294-301	2.8	1
124	Experimental study on the temperature management behaviours of a controllable loop thermosyphon. <i>Energy Conversion and Management</i> , 2019 , 195, 436-446	10.6	8
123	Alignment of the initial phase during multiple-wavelength switching in microscopic interferometry. <i>Optics and Laser Technology</i> , 2019 , 115, 493-499	4.2	0
122	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	8.1	34
121	A Capacity Configuration Control Strategy to Alleviate Power Fluctuation of Hybrid Energy Storage System Based on Improved Particle Swarm Optimization. <i>Energies</i> , 2019 , 12, 642	3.1	64

120	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	10.6	9
119	Performance evaluation and analyses of novel parabolic trough evacuated collector tubes with spectrum-selective glass envelope. <i>Renewable Energy</i> , 2019 , 138, 793-804	8.1	21
118	Technoeconomic modelling and environmental assessment of a modern PEMFC CHP system: a case study of an eco-house at University of Nottingham. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 29883-29895	5.1	4
117	Environmental impact and economic sustainability analysis of a novel anaerobic digestion waste-to-energy pilot plant in Pakistan. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 26404-26417	5.1	10
116	Effect of drying temperature on structural and thermomechanical properties of konjac glucomannan-zein blend films. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 135-143	7.9	16
115	Overall detail comparison for a building integrated concentrating photovoltaic/daylighting system. <i>Energy and Buildings</i> , 2019 , 199, 415-426	7	17
114	A novel strategy for a building-integrated diurnal photovoltaic and all-day radiative cooling system. <i>Energy</i> , 2019 , 183, 892-900	7.9	19
113	A Novel and Accurate Method for Moisture Adsorption Isotherm Determination of Sultana Raisins. <i>Food Analytical Methods</i> , 2019 , 12, 2491-2499	3.4	2
112	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	1	2
111	Preliminary evaluation of the energy-saving behavior of a novel household refrigerator. <i>Journal of Renewable and Sustainable Energy</i> , 2019 , 11, 015102	2.5	6
110	The Technical Challenges Facing the Integration of Small-Scale and Large-scale PV Systems into the Grid: A Critical Review. <i>Electronics (Switzerland)</i> , 2019 , 8, 1443	2.6	12
109	An evaluation study of miniature dielectric crossed compound parabolic concentrator (dCCPC) panel as skylights in building energy simulation. <i>Solar Energy</i> , 2019 , 179, 264-278	6.8	12
108	Energetic and exergetic analyses on structural optimized parabolic trough solar receivers in a concentrated solar thermal collector system. <i>Energy</i> , 2019 , 171, 611-623	7.9	25
107	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	10.7	20
106	Microstructure and filtration performance of konjac glucomannan-based aerogels strengthened by wheat straw. <i>International Journal of Low-Carbon Technologies</i> , 2019 , 14, 335-343	2.8	10
105	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	6.4	29
104	Evaluation of a large dish-type concentrator solar lighting system for underground car park. <i>International Journal of Energy Research</i> , 2018 , 42, 2234-2245	4.5	3
103	Life-cycle assessment of a low-concentration PV module for building south wall integration in China. <i>Applied Energy</i> , 2018 , 215, 174-185	10.7	36

102	Effect of different carrier gases on productivity enhancement of a novel multi-effect vertical concentric tubular solar brackish water desalination device. <i>Desalination</i> , 2018 , 432, 72-80	10.3	11
101	A novel evaporative cooling system with a polymer hollow fibre spindle. <i>Applied Thermal Engineering</i> , 2018 , 132, 665-675	5.8	21
100	Effect of non-uniform illumination and temperature distribution on concentrating solar cell - A review. <i>Energy</i> , 2018 , 144, 1119-1136	7.9	56
99	Comparative analysis of different surfaces for integrated solar heating and radiative cooling: A numerical study. <i>Energy</i> , 2018 , 155, 360-369	7.9	27
98	A study on incorporation of transpired solar collector in a novel multifunctional PV/Thermal/Daylighting (PV/T/D) panel. <i>Solar Energy</i> , 2018 , 165, 90-99	6.8	12
97	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	16.2	121
96	The mass transfer coefficient assessment and productivity enhancement of a vertical tubular solar brackish water still. <i>Applied Thermal Engineering</i> , 2018 , 128, 1446-1455	5.8	18
95	Experimental study of organic Rankine cycle in the presence of non-condensable gases. <i>Energy</i> , 2018 , 142, 739-753	7.9	5
94	Experimental study on a novel photovoltaic thermal system using amorphous silicon cells deposited on stainless steel. <i>Energy</i> , 2018 , 159, 786-798	7.9	13
93	Experimental investigation of a polymer hollow fibre integrated liquid desiccant dehumidification system with aqueous potassium formate solution. <i>Applied Thermal Engineering</i> , 2018 , 142, 632-643	5.8	17
92	Bioenergy recovery analysis from various waste substrates by employing a novel industrial scale AD plant. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018 , 40, 1935-1946	1.6	6
91	A novel concentrating photovoltaic/daylighting control system: Optical simulation and preliminary experimental analysis. <i>Applied Energy</i> , 2018 , 228, 1362-1372	10.7	26
90	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	10.6	13
89	Thermal conductivity, structure and mechanical properties of konjac glucomannan/starch based aerogel strengthened by wheat straw. <i>Carbohydrate Polymers</i> , 2018 , 197, 284-291	10.3	51
88	Multiple nonlinear regression model for predicting the optical performances of dielectric crossed compound parabolic concentrator (dCCPC). <i>Solar Energy</i> , 2018 , 159, 212-225	6.8	6
87	A Review of Performance Specifications and Studies of Trickle Vents. <i>Buildings</i> , 2018 , 8, 152	3.2	9
86	The Thermal Behavior of a Dual-Function Solar Collector Integrated with Building: An Experimental and Numerical Study on the Air Heating Mode. <i>Energies</i> , 2018 , 11, 2402	3.1	3
85	An improved model to predict thermal runaway in concentrator III ^{IV} multi-junction solar cells. <i>International Journal of Low-Carbon Technologies</i> , 2018 , 13, 432-437	2.8	1

84	Parametric analysis and annual performance evaluation of an air-based integrated solar heating and radiative cooling collector. <i>Energy</i> , 2018 , 165, 811-824	7.9	21
83	Pt nanowire growth induced by Pt nanoparticles in application of the cathodes for Polymer Electrolyte Membrane Fuel Cells (PEMFCs). <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 20041-20049	6.7	18
82	Field investigation of a hybrid photovoltaic-photothermic-radiative cooling system. <i>Applied Energy</i> , 2018 , 231, 288-300	10.7	38
81	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	5.8	28
80	A study on the effect of ground surface boundary conditions in modelling shallow ground heat exchangers. <i>Applied Thermal Engineering</i> , 2017 , 111, 1371-1377	5.8	24
79	Controlling venetian blinds based on parametric design; via implementing Grasshopper® plugins: A case study of an office building in Cairo. <i>Energy and Buildings</i> , 2017 , 139, 31-43	7	49
78	Parametric design and daylighting: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 1086-1103	16.2	60
77	Experimental investigation of a multi-stage humidification-dehumidification desalination system heated directly by a cylindrical Fresnel lens solar concentrator. <i>Energy Conversion and Management</i> , 2017 , 143, 241-251	10.6	56
76	A comprehensive review of Pt electrocatalysts for the oxygen reduction reaction: Nanostructure, activity, mechanism and carbon support in PEM fuel cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1808-1825	13.5	543
75	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	8.1	19
74	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	10.7	33
73	A dish-type high-concentration photovoltaic system with spectral beam-splitting for crop growth. <i>Journal of Renewable and Sustainable Energy</i> , 2017 , 9, 063701	2.5	2
72	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	6.8	28
71	Analysis of a novel design of uniformly illumination for Fresnel lens-based optical fiber daylighting system. <i>Energy and Buildings</i> , 2017 , 154, 19-29	7	24
70	Experimental investigations of polymer hollow fibre integrated evaporative cooling system with the fibre bundles in a spindle shape. <i>Energy and Buildings</i> , 2017 , 154, 166-174	7	14
69	A study on the maximum gained output ratio of single-effect solar humidification-dehumidification desalination. <i>Solar Energy</i> , 2017 , 157, 1-9	6.8	16
68	A novel concentrated solar power system using cascade steam-organic Rankine cycle and two-stage accumulators. <i>Energy Procedia</i> , 2017 , 142, 386-394	2.3	4
67	Evaluation of Suitability of a Parametrically Controlled Louvers for Various Orientations throughout a Year Comparing to an Existing Case. <i>Buildings</i> , 2017 , 7, 109	3.2	9

66	Design and Optical Evaluation of a Novel Asymmetric Lens-Walled Compound Parabolic Concentrator (ALCPC) Integration with Building South Wall. <i>Journal of Daylighting</i> , 2017 , 4, 26-36	1.6	9
65	Modelling of organic Rankine cycle efficiency with respect to the equivalent hot side temperature. <i>Energy</i> , 2016 , 115, 668-683	7.9	13
64	Performance study of a static low-concentration evacuated tube solar collector for medium-temperature applications. <i>International Journal of Low-Carbon Technologies</i> , 2016 , 11, 363-369	2.8	2
63	Numerical investigation of heat pipe-based photovoltaic/thermoelectric generator (HP-PV/TEG) hybrid system. <i>Energy Conversion and Management</i> , 2016 , 112, 274-287	10.6	93
62	Design and cost-benefit analysis of a novel anaerobic industrial bioenergy plant in Pakistan. <i>Renewable Energy</i> , 2016 , 90, 242-247	8.1	26
61	Structure optimization and annual performance analysis of the lens-walled compound parabolic concentrator. <i>International Journal of Green Energy</i> , 2016 , 13, 944-950	3	14
60	Recent research developments in polymer heat exchangers A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 1367-1386	16.2	97
59	TECHNO-ECONOMIC IMPACTS OF INNOVATIVE COMMERCIAL-INDUSTRIAL SCALE BIOENERGY PLANT IN PAKISTAN. <i>Pakistan Journal of Agricultural Sciences</i> , 2016 , 53, 647-652	1.5	7
58	Experimental investigations of polymer hollow fibre heat exchangers for building heat recovery application. <i>Energy and Buildings</i> , 2016 , 125, 99-108	7	20
57	Outdoor overall performance of a novel air-gap-lens-walled compound parabolic concentrator (ALCPC) incorporated with photovoltaic/thermal system. <i>Applied Energy</i> , 2015 , 144, 214-223	10.7	76
56	Numerical Validation of a New Approach to Model Single Junction Low Concentration PV Cells under Non-Uniform Illumination. <i>Energies</i> , 2015 , 8, 4529-4548	3.1	1
55	Heat transfer analysis of underground thermal energy storage in shallow trenches filled with encapsulated phase change materials. <i>Applied Thermal Engineering</i> , 2015 , 90, 1044-1051	5.8	27
54	Daylight availability assessment and its potential energy saving estimation A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 52, 494-503	16.2	92
53	Theoretical investigations on combined power and ejector cooling system powered by low-grade energy source. <i>International Journal of Low-Carbon Technologies</i> , 2015 , ctv015	2.8	3
52	Numerical and experimental study on a PV/T system with static miniature solar concentrator. <i>Solar Energy</i> , 2015 , 120, 565-574	6.8	81
51	Performance analysis and experimental comparison of three operational modes of a triple-effect vertical concentric tubular solar desalination device. <i>Desalination</i> , 2015 , 375, 10-20	10.3	19
50	Numerical analysis of a novel ground heat exchanger coupled with phase change materials. <i>Applied Thermal Engineering</i> , 2015 , 88, 369-375	5.8	45
49	Recent Research Progress in Solar Thermal Conversion Theory and Applications. <i>International Journal of Photoenergy</i> , 2015 , 2015, 1-2	2.1	1

48	Thermodynamic analysis of an idealised solar tower thermal power plant. <i>Applied Thermal Engineering</i> , 2015 , 81, 271-278	5.8	20
47	A discussion of inner south projection angle for performance analysis of dielectric compound parabolic concentrator. <i>Solar Energy</i> , 2015 , 113, 101-113	6.8	9
46	A novel solar multifunctional PV/T/D system for green building roofs. <i>Energy Conversion and Management</i> , 2015 , 93, 63-71	10.6	41
45	Experimental investigation on PCM cold storage integrated with ejector cooling system. <i>Applied Thermal Engineering</i> , 2014 , 63, 419-427	5.8	22
44	Application of RELUX simulation to investigate energy saving potential from daylighting in a new educational building in UK. <i>Energy and Buildings</i> , 2014 , 74, 191-202	7	30
43	Influence of the receiver's back surface radiative characteristics on the performance of a heat-pipe evacuated-tube solar collector. <i>Applied Energy</i> , 2014 , 116, 159-166	10.7	14
42	A study on use of miniature dielectric compound parabolic concentrator (dCPC) for daylighting control application. <i>Building and Environment</i> , 2014 , 74, 75-85	6.5	27
41	Design and experimental analysis of a cylindrical compound Fresnel solar concentrator. <i>Solar Energy</i> , 2014 , 107, 26-37	6.8	29
40	Optical evaluation of a novel static incorporated compound parabolic concentrator with photovoltaic/thermal system and preliminary experiment. <i>Energy Conversion and Management</i> , 2014 , 85, 204-211	10.6	64
39	Experimental investigation of a novel multi-effect solar desalination system based on humidification-dehumidification process. <i>Renewable Energy</i> , 2014 , 69, 253-259	8.1	52
38	Combination of a light funnel concentrator with a deflector for orientated sunlight transmission. <i>Energy Conversion and Management</i> , 2014 , 88, 785-793	10.6	3
37	Improving angular acceptance of stationary low-concentration photovoltaic compound parabolic concentrators using acrylic lens-walled structure. <i>Journal of Renewable and Sustainable Energy</i> , 2014 , 6, 013122	2.5	1
36	An Outdoor Experiment of a Lens-Walled Compound Parabolic Concentrator Photovoltaic Module on a Sunny Day in Nottingham. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2014 , 136,	2.3	3
35	An Improvement to Calculation of Lighting Energy Requirement in the European Standard EN 15193:2007. <i>Journal of Daylighting</i> , 2014 , 1, 16-28	1.6	4
34	Performance analysis and experimental investigation of a novel trough daylight concentration and axial transmission system. <i>Solar Energy</i> , 2013 , 97, 200-207	6.8	3
33	Performance analysis and experimental verification of a multi-sleeve tubular still filled with different gas media. <i>Desalination</i> , 2013 , 331, 56-61	10.3	14
32	An Experimental Study on a Novel Heat Pipe-Type Photovoltaic/Thermal System with and without a Glass Cover. <i>International Journal of Green Energy</i> , 2013 , 10, 72-89	3	22
31	Preliminary Experimental Comparison of the Performance of a Novel Lens-Walled Compound Parabolic Concentrator (CPC) with the Conventional Mirror and Solid CPCs. <i>International Journal of Green Energy</i> , 2013 , 10, 848-859	3	22

30	Theoretical studies of a hybrid ejector CO ₂ compression cooling system for vehicles and preliminary experimental investigations of an ejector cycle. <i>Applied Energy</i> , 2013 , 102, 931-942	10.7	31
29	Thermochemical cooling system based on adsorption pumping pipe. <i>International Journal of Low-Carbon Technologies</i> , 2013 , ctt055	2.8	
28	Feasibility of periodic thermosyphons for environmentally friendly ground source cooling applications. <i>International Journal of Low-Carbon Technologies</i> , 2013 , 8, 117-123	2.8	1
27	A study on incorporation of thermoelectric modules with evacuated-tube heat-pipe solar collectors. <i>Renewable Energy</i> , 2012 , 37, 142-149	8.1	102
26	Experimental test of a novel multi-surface trough solar concentrator for air heating. <i>Energy Conversion and Management</i> , 2012 , 63, 123-129	10.6	10
25	The Motional Design and Analysis for Linear Fresnel Reflector System Combined Three-Movement. <i>Energy Procedia</i> , 2012 , 14, 971-976	2.3	6
24	Preliminary study based on building-integrated compound parabolic concentrators (CPC) PV/thermal technology. <i>Energy Procedia</i> , 2012 , 14, 343-350	2.3	27
23	Radiance/Pmap simulation of a novel lens-walled compound parabolic concentrator (lens-walled CPC). <i>Energy Procedia</i> , 2012 , 14, 572-577	2.3	13
22	Energy saving potential of Monodraught TM sunpipes installed in a supermarket. <i>Energy Procedia</i> , 2012 , 14, 578-583	2.3	3
21	Comparative monitoring and data regression of various sized commercial lightpipes. <i>Energy and Buildings</i> , 2012 , 50, 308-314	7	7
20	Comparative study on annual solar energy collection of a novel lens-walled compound parabolic concentrator (lens-walled CPC). <i>Sustainable Cities and Society</i> , 2012 , 4, 35-40	10.1	34
19	Preliminary Ray Tracing and Experimental Study on the Effect of Mirror Coating on the Optical Efficiency of a Solid Dielectric Compound Parabolic Concentrator. <i>Energies</i> , 2012 , 5, 3627-3639	3.1	27
18	Comparative Experimental Analysis of the Thermal Performance of Evacuated Tube Solar Water Heater Systems With and Without a Mini-Compound Parabolic Concentrating (CPC) Reflector(C	3.1	29
17	Energies, 2012 , 5, 911-924 A Novel Lens-Walled Compound Parabolic Concentrator for Photovoltaic Applications. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2012 , 134,	2.3	33
16	Evaluation of Natural Ventilation and Cooling Systems using Dynamic Simulation Methods. <i>International Journal of Ventilation</i> , 2011 , 10, 133-146	1.1	
15	Parametrical analysis of the design and performance of a solar heat pipe thermoelectric generator unit. <i>Applied Energy</i> , 2011 , 88, 5083-5089	10.7	73
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