Yuehong Su

List of Publications by Year
in descending order

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178	5,735	94433 37	98798 67
papers	citations	h-index	g-index

179	179	179	5277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development and testing of a PCM enhanced domestic refrigerator with use of miniature DC compressor for weak/off grid locations. International Journal of Green Energy, 2022, 19, 1118-1131.	3.8	9
2	Experimental study on a hybrid solar photothermic and radiative cooling collector equipped with a rotatable absorber/emitter plate. Applied Energy, 2022, 306, 118096.	10.1	20
3	Environmental life cycle analysis of a modern commercial-scale fibreglass composite-based biogas scrubbing system. Renewable Energy, 2022, 185, 1261-1271.	8.9	6
4	Analysis of environmental sustainability of e-waste in developing countries â€" a case study from Pakistan. Environmental Science and Pollution Research, 2022, 29, 36721-36739.	5.3	14
5	A preliminary experimental study of a novel incorporation of chilled ceiling with phase change materials and transparent membrane cover. International Journal of Low-Carbon Technologies, 2022, 17, 258-265.	2.6	3
6	Applications of radiative sky cooling in solar energy systems: Progress, challenges, and prospects. Renewable and Sustainable Energy Reviews, 2022, 160, 112304.	16.4	37
7	Extending the operation of a solar air collector to night-time by integrating radiative sky cooling: A comparative experimental study. Energy, 2022, 251, 123986.	8.8	10
8	A Study on Daylighting Performance of Split Louver with Simplified Parametric Control. Buildings, 2022, 12, 594.	3.1	8
9	Alternative experimental characterization of phase change material plasterboard using two-step temperature ramping technique. Energy and Buildings, 2022, 267, 112153.	6.7	4
10	Investigation on a Vermiculite-Based Solar Thermochemical Heat Storage System for Building Applications. Future Cities and Environment, 2022, 8, .	1.6	2
11	Performance investigation of a novel solar direct-drive sweeping gas membrane distillation system with a multi-surface concentrator. Desalination, 2022, 537, 115848.	8.2	9
12	Feasibility of hybrid renewable heating system application in poultry house: a case study of East Midlands, UK. International Journal of Low-Carbon Technologies, 2021, 16, 73-88.	2.6	4
13	Effect of the spectrally selective features of the cover and emitter combination on radiative cooling performance. Energy and Built Environment, 2021, 2, 251-259.	5.9	14
14	Life cycle assessment of a cleaner supercritical coal-fired power plant. Journal of Cleaner Production, 2021, 279, 123869.	9.3	45
15	An automated louver with innovative parametrically-angled reflective slats: Prototyping and validation via using parametric control in Grasshopper along with Arduino board. Energy and Buildings, 2021, 231, 110614.	6.7	13
16	A parametric study on the performance characteristics of an evacuated flat-plate photovoltaic/thermal (PV/T) collector. Renewable Energy, 2021, 167, 884-898.	8.9	29
17	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. Electronics (Switzerland), 2021, 10, 1254.	3.1	2
18	Performance analysis of a novel bifacial solar photothermic and radiative cooling module. Energy Conversion and Management, 2021, 236, 114057.	9.2	16

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19	Study of luminescent coupling effect in modeling a concentrator photovoltaic system with III-V triple junction solar cell. International Journal of Low-Carbon Technologies, 2021, 16, 1210-1216.	2.6	0
20	A review of modeling of luminescent coupling effect in multi-junction solar cell based on diode equation. International Journal of Low-Carbon Technologies, 2021, 16, 1519-1528.	2.6	4
21	A novel automated louver with parametrically-angled reflective slats; design evaluation for better practicality and daylighting uniformity. Journal of Building Engineering, 2021, 42, 102438.	3.4	14
22	Feasibility of realizing daytime solar heating and radiative cooling simultaneously with a novel structure. Sustainable Cities and Society, 2021, 74, 103224.	10.4	13
23	Life cycle assessment of a novel biomass-based aerogel material for building insulation. Journal of Building Engineering, 2021, 44, 102988.	3.4	7
24	Potential implementation of EVs â€“ Features, Challenges and User perspective. , 2021, , .		1
25	A general optimization strategy for the annual performance enhancement of a solar concentrating system incorporated in the south-facing wall of a building. Indoor and Built Environment, 2020, 29, 1386-1398.	2.8	8
26	Performance assessment of a trifunctional system integrating solar PV, solar thermal, and radiative sky cooling. Applied Energy, 2020, 260, 114167.	10.1	56
27	Coordinated control strategy of DC microgrid with hybrid energy storage system to smooth power output fluctuation. International Journal of Low-Carbon Technologies, 2020, 15, 46-54.	2.6	50
28	A comprehensive review on renewable and sustainable heating systems for poultry farming. International Journal of Low-Carbon Technologies, 2020, 15, 121-142.	2.6	20
29	A review on independent and integrated/coupled two-phase loop thermosyphons. Applied Energy, 2020, 280, 115885.	10.1	46
30	Advanced parametric louver systems with bi-axis and two-layer designs for an extensive daylighting coverage in a deep-plan office room. Solar Energy, 2020, 206, 596-613.	6.1	21
31	Non-uniform sizing of PV cells in the dense-array module to match the non-uniform illumination in dish-type CPV systems. International Journal of Low-Carbon Technologies, 2020, 15, 565-573.	2.6	2
32	Theoretic analysis and experimental evaluation of the spectrum transmission coefficient of a multilayer photovoltaic vacuum glazing. International Journal of Low-Carbon Technologies, 2020, 15, 574-582.	2.6	5
33	An analytical study of the nocturnal radiative cooling potential of typical photovoltaic/thermal module. Applied Energy, 2020, 277, 115625.	10.1	23
34	Waste valorization and resource conservation in rice processing industriesâ€”an analytical study from Pakistan. Environmental Science and Pollution Research, 2020, 27, 43372-43388.	5.3	1
35	Implementation of Passive Radiative Cooling Technology in Buildings: A Review. Buildings, 2020, 10, 215.	3.1	17
36	Investigation of an innovative PV/T-ORC system using amorphous silicon cells and evacuated flat plate solar collectors. Energy, 2020, 203, 117873.	8.8	16

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37	Sound absorption characteristics of KGM-based aerogel. International Journal of Low-Carbon Technologies, 2020, 15, 450-457.	2.6	20
38	Investigation on an Improved Household Refrigerator for Energy Saving of Residential Buildings. Applied Sciences (Switzerland), 2020, 10, 4246.	2.5	5
39	Evaluate the validity of the empirical correlations of clearance and friction coefficients to improve a scroll expander semi-empirical model. Energy, 2020, 202, 117723.	8.8	8
40	Solar gain mitigation in ventilated tiled roofs by using phase change materials. International Journal of Low-Carbon Technologies, 2020, 15, 434-442.	2.6	4
41	A simulation study on performance improvement of solar assisted heat pump hot water system by novel controllable crystallization of supercooled PCMs. Renewable Energy, 2020, 152, 601-612.	8.9	50
42	Feasibility research on a double-covered hybrid photo-thermal and radiative sky cooling module. Solar Energy, 2020, 197, 332-343.	6.1	22
43	Sustainability and CDM potential analysis of a novel vs conventional bioenergy projects in South Asia by multi-criteria decision-making method. Environmental Science and Pollution Research, 2020, 27, 23081-23093.	5.3	10
44	An industrial scale testing and analysis of waste-to-energy production from various substrates by employing a modern anaerobic digestion plant. Biomass and Bioenergy, 2020, 138, 105571.	5.7	4
45	An analytical study to predict the future of Pakistanâ€™s energy sustainability versus rest of South Asia. Sustainable Energy Technologies and Assessments, 2020, 39, 100707.	2.7	11
46	Daylight Distribution Improvement Using Automated Prismatic Louvre. Journal of Daylighting, 2020, 7, 84-92.	1.2	13
47	The study of a seasonal solar CCHP system based on evacuated flat-plate collectors and organic Rankine cycle. Thermal Science, 2020, 24, 915-924.	1.1	4
48	Technoeconomic modelling and environmental assessment of a modern PEMFC CHP system: a case study of an eco-house at University of Nottingham. Environmental Science and Pollution Research, 2019, 26, 29883-29895.	5.3	11
49	Environmental impact and economic sustainability analysis of a novel anaerobic digestion waste-to-energy pilot plant in Pakistan. Environmental Science and Pollution Research, 2019, 26, 26404-26417.	5.3	14
50	Effect of drying temperature on structural and thermomechanical properties of konjac glucomannan-zein blend films. International Journal of Biological Macromolecules, 2019, 138, 135-143.	7.5	26
51	Overall detail comparison for a building integrated concentrating photovoltaic/daylighting system. Energy and Buildings, 2019, 199, 415-426.	6.7	21
52	A novel strategy for a building-integrated diurnal photovoltaic and all-day radiative cooling system. Energy, 2019, 183, 892-900.	8.8	34
53	A Novel and Accurate Method for Moisture Adsorption Isotherm Determination of Sultana Raisins. Food Analytical Methods, 2019, 12, 2491-2499.	2.6	4
54	The advances of polysaccharide-based aerogels: Preparation and potential application. Carbohydrate Polymers, 2019, 226, 115242.	10.2	113

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55	Design, optimization and performance analysis of an asymmetric concentrator-PV type window for the building south wall application. Solar Energy, 2019, 193, 422-433.	6.1	28
56	Thermal insulation performance of an advanced photovoltaic vacuum glazing: A numerical investigation and simulation. Journal of Renewable and Sustainable Energy, 2019, 11, .	2.0	9
57	Numerical investigations and performance comparisons of a novel cross-flow hollow fiber integrated liquid desiccant dehumidification system. Energy, 2019, 182, 1115-1131.	8.8	29
58	Performance analysis and design implementation of a novel polymer hollow fiber liquid desiccant dehumidifier with aqueous potassium formate. Thermal Science and Engineering Progress, 2019, 13, 100366.	2.7	4
59	Performance of seawater-filling type planting system based on solar distillation process: Numerical and experimental investigation. Applied Energy, 2019, 250, 1225-1234.	10.1	7
60	A study on heat storage sizing and flow control for a domestic scale solar-powered organic Rankine cycle-vapour compression refrigeration system. Renewable Energy, 2019, 143, 301-312.	8.9	31
61	The prototype construction and performance evaluation of dish-type concentrator photovoltaic system. International Journal of Low-Carbon Technologies, 2019, 14, 294-301.	2.6	2
62	Experimental study on the temperature management behaviours of a controllable loop thermosyphon. Energy Conversion and Management, 2019, 195, 436-446.	9.2	17
63	Alignment of the initial phase during multiple-wavelength switching in microscopic interferometry. Optics and Laser Technology, 2019, 115, 493-499.	4.6	2
64	Experimental study on a hybrid photo-thermal and radiative cooling collector using black acrylic paint as the panel coating. Renewable Energy, 2019, 139, 1217-1226.	8.9	48
65	A Capacity Configuration Control Strategy to Alleviate Power Fluctuation of Hybrid Energy Storage System Based on Improved Particle Swarm Optimization. Energies, 2019, 12, 642.	3.1	86
66	Design of steam condensation temperature for an innovative solar thermal power generation system using cascade Rankine cycle and two-stage accumulators. Energy Conversion and Management, 2019, 184, 389-401.	9.2	19
67	Performance evaluation and analyses of novel parabolic trough evacuated collector tubes with spectrum-selective glass envelope. Renewable Energy, 2019, 138, 793-804.	8.9	33
68	Preliminary evaluation of the energy-saving behavior of a novel household refrigerator. Journal of Renewable and Sustainable Energy, 2019, 11, .	2.0	6
69	The Technical Challenges Facing the Integration of Small-Scale and Large-scale PV Systems into the Grid: A Critical Review. Electronics (Switzerland), 2019, 8, 1443.	3.1	30
70	An evaluation study of miniature dielectric crossed compound parabolic concentrator (dCCPC) panel as skylights in building energy simulation. Solar Energy, 2019, 179, 264-278.	6.1	15
71	Energetic and exergetic analyses on structural optimized parabolic trough solar receivers in a concentrated solarâ€“thermal collector system. Energy, 2019, 171, 611-623.	8.8	33
72	A novel approach to thermal storage of direct steam generation solar power systems through two-step heat discharge. Applied Energy, 2019, 236, 81-100.	10.1	30

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73	Microstructure and filtration performance of konjac glucomannan-based aerogels strengthened by wheat straw. International Journal of Low-Carbon Technologies, 2019, 14, 335-343.	2.6	18
74	Annual performance simulation of a solar cogeneration plant with sensible heat storage to provide electricity demand for a small community: A transient model. Hittite Journal of Science & Engineering, 2019, 6, 75-81.	0.5	3
75	Numerical and lab experiment study of a novel concentrating PV with uniform flux distribution. Solar Energy Materials and Solar Cells, 2018, 179, 1-9.	6.2	39
76	Evaluation of a large dish-type concentrator solar lighting system for underground car park. International Journal of Energy Research, 2018, 42, 2234-2245.	4.5	7
77	Life-cycle assessment of a low-concentration PV module for building south wall integration in China. Applied Energy, 2018, 215, 174-185.	10.1	47
78	Effect of different carrier gases on productivity enhancement of a novel multi-effect vertical concentric tubular solar brackish water desalination device. Desalination, 2018, 432, 72-80.	8.2	18
79	A novel evaporative cooling system with a polymer hollow fibre spindle. Applied Thermal Engineering, 2018, 132, 665-675.	6.0	34
80	Effect of non-uniform illumination and temperature distribution on concentrating solar cell - A review. Energy, 2018, 144, 1119-1136.	8.8	86
81	Comparative analysis of different surfaces for integrated solar heating and radiative cooling: A numerical study. Energy, 2018, 155, 360-369.	8.8	34
82	A study on incorporation of transpired solar collector in a novel multifunctional PV/Thermal/Daylighting (PV/T/D) panel. Solar Energy, 2018, 165, 90-99.	6.1	15
83	A review on the recent research progress in the compound parabolic concentrator (CPC) for solar energy applications. Renewable and Sustainable Energy Reviews, 2018, 82, 1272-1296.	16.4	166
84	The mass transfer coefficient assessment and productivity enhancement of a vertical tubular solar brackish water still. Applied Thermal Engineering, 2018, 128, 1446-1455.	6.0	28
85	Experimental study of organic Rankine cycle in the presence of non-condensable gases. Energy, 2018, 142, 739-753.	8.8	10
86	Multiple nonlinear regression model for predicting the optical performances of dielectric crossed compound parabolic concentrator (dCCPC). Solar Energy, 2018, 159, 212-225.	6.1	8
87	A Review of Performance Specifications and Studies of Trickle Vents. Buildings, 2018, 8, 152.	3.1	13
88	The Thermal Behavior of a Dual-Function Solar Collector Integrated with Building: An Experimental and Numerical Study on the Air Heating Mode. Energies, 2018, 11, 2402.	3.1	5
89	An improved model to predict thermal runaway in concentrator IIIâ€“V multi-junction solar cells. International Journal of Low-Carbon Technologies, 2018, 13, 432-437.	2.6	5
90	Parametric analysis and annual performance evaluation of an air-based integrated solar heating and radiative cooling collector. Energy, 2018, 165, 811-824.	8.8	31

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91	Pt nanowire growth induced by Pt nanoparticles in application of the cathodes for Polymer Electrolyte Membrane Fuel Cells (PEMFCs). International Journal of Hydrogen Energy, 2018, 43, 20041-20049.	7.1	23
92	Field investigation of a hybrid photovoltaic-photothermic-radiative cooling system. Applied Energy, 2018, 231, 288-300.	10.1	49
93	Numerical study and experimental validation of a combined diurnal solar heating and nocturnal radiative cooling collector. Applied Thermal Engineering, 2018, 145, 1-13.	6.0	45
94	Experimental study on a novel photovoltaic thermal system using amorphous silicon cells deposited on stainless steel. Energy, 2018, 159, 786-798.	8.8	16
95	Experimental investigation of a polymer hollow fibre integrated liquid desiccant dehumidification system with aqueous potassium formate solution. Applied Thermal Engineering, 2018, 142, 632-643.	6.0	35
96	Bioenergy recovery analysis from various waste substrates by employing a novel industrial scale AD plant. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1935-1946.	2.3	6
97	A novel concentrating photovoltaic/daylighting control system: Optical simulation and preliminary experimental analysis. Applied Energy, 2018, 228, 1362-1372.	10.1	39
98	Off-design performance modelling of a solar organic Rankine cycle integrated with pressurized hot water storage unit for community level application. Energy Conversion and Management, 2018, 166, 132-145.	9.2	25
99	Thermal conductivity, structure and mechanical properties of konjac glucomannan/starch based aerogel strengthened by wheat straw. Carbohydrate Polymers, 2018, 197, 284-291.	10.2	100
100	A study on the effect of ground surface boundary conditions in modelling shallow ground heat exchangers. Applied Thermal Engineering, 2017, 111, 1371-1377.	6.0	31
101	Controlling venetian blinds based on parametric design; via implementing Grasshopperâ€™s plugins: A case study of an office building in Cairo. Energy and Buildings, 2017, 139, 31-43.	6.7	79
102	Parametric design and daylighting: A literature review. Renewable and Sustainable Energy Reviews, 2017, 73, 1086-1103.	16.4	111
103	Experimental investigation of a multi-stage humidification-dehumidification desalination system heated directly by a cylindrical Fresnel lens solar concentrator. Energy Conversion and Management, 2017, 143, 241-251.	9.2	81
104	A comprehensive review of Pt electrocatalysts for the oxygen reduction reaction: Nanostructure, activity, mechanism and carbon support in PEM fuel cells. Journal of Materials Chemistry A, 2017, 5, 1808-1825.	10.3	732
105	Modeling and optimization of solar-powered cascade Rankine cycle system with respect to the characteristics of steam screw expander. Renewable Energy, 2017, 112, 398-412.	8.9	26
106	Thermodynamic and economic investigation of a screw expander-based direct steam generation solar cascade Rankine cycle system using water as thermal storage fluid. Applied Energy, 2017, 195, 137-151.	10.1	41
107	A dish-type high-concentration photovoltaic system with spectral beam-splitting for crop growth. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	6
108	Optimization design and performance analysis of a novel asymmetric compound parabolic concentrator with rotation angle for building application. Solar Energy, 2017, 158, 808-818.	6.1	40

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109	Analysis of a novel design of uniformly illumination for Fresnel lens-based optical fiber daylighting system. Energy and Buildings, 2017, 154, 19-29.	6.7	36
110	Experimental investigations of polymer hollow fibre integrated evaporative cooling system with the fibre bundles in a spindle shape. Energy and Buildings, 2017, 154, 166-174.	6.7	22
111	A study on the maximum gained output ratio of single-effect solar humidification-dehumidification desalination. Solar Energy, 2017, 157, 1-9.	6.1	25
112	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
113	Evaluation of Suitability of a Parametrically Controlled Louvers for Various Orientations throughout a Year Comparing to an Existing Case. Buildings, 2017, 7, 109.	3.1	11
114	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.	1.2	10
115	Experimental investigations of polymer hollow fibre heat exchangers for building heat recovery application. Energy and Buildings, 2016, 125, 99-108.	6.7	29
116	Modelling of organic Rankine cycle efficiency with respect to the equivalent hot side temperature. Energy, 2016, 115, 668-683.	8.8	21
117	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.	2.6	4
118	Numerical investigation of heat pipe-based photovoltaicâ€“thermoelectric generator (HP-PV/TEG) hybrid system. Energy Conversion and Management, 2016, 112, 274-287.	9.2	154
119	Design and cost-benefit analysis of a novel anaerobic industrial bioenergy plant in Pakistan. Renewable Energy, 2016, 90, 242-247.	8.9	31
120	Structure optimization and annual performance analysis of the lens-walled compound parabolic concentrator. International Journal of Green Energy, 2016, 13, 944-950.	3.8	17
121	Recent research developments in polymer heat exchangers â€“ A review. Renewable and Sustainable Energy Reviews, 2016, 60, 1367-1386.	16.4	150
122	TECHNO-ECONOMIC IMPACTS OF INNOVATIVE COMMERCIAL-INDUSTRIAL SCALE BIOENERGY PLANT IN PAKISTAN. Pakistan Journal of Agricultural Sciences, 2016, 53, 647-652.	0.2	7
123	Recent Research Progress in Solar Thermal Conversion Theory and Applications. International Journal of Photoenergy, 2015, 2015, 1-2.	2.5	1
124	Thermodynamic analysis of an idealised solar tower thermal power plant. Applied Thermal Engineering, 2015, 81, 271-278.	6.0	23
125	A discussion of inner south projection angle for performance analysis of dielectric compound parabolic concentrator. Solar Energy, 2015, 113, 101-113.	6.1	10
126	A novel solar multifunctional PV/T/D system for green building roofs. Energy Conversion and Management, 2015, 93, 63-71.	9.2	52

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127	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.	10.1	86
128	Numerical Validation of a New Approach to Model Single Junction Low Concentration PV Cells under Non-Uniform Illumination. Energies, 2015, 8, 4529-4548.	3.1	2
129	Heat transfer analysis of underground thermal energy storage in shallow trenches filled with encapsulated phase change materials. Applied Thermal Engineering, 2015, 90, 1044-1051.	6.0	41
130	Daylight availability assessment and its potential energy saving estimation â€“A literature review. Renewable and Sustainable Energy Reviews, 2015, 52, 494-503.	16.4	137
131	Theoretical investigations on combined power and ejector cooling system powered by low-grade energy source. International Journal of Low-Carbon Technologies, 2015, , ctv015.	2.6	3
132	Numerical and experimental study on a PV/T system with static miniature solar concentrator. Solar Energy, 2015, 120, 565-574.	6.1	101
133	Performance analysis and experimental comparison of three operational modes of a triple-effect vertical concentric tubular solar desalination device. Desalination, 2015, 375, 10-20.	8.2	26
134	Numerical analysis of a novel ground heat exchanger coupled with phase change materials. Applied Thermal Engineering, 2015, 88, 369-375.	6.0	65
135	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, .	1.8	4
136	Experimental investigation on PCM cold storage integrated with ejector cooling system. Applied Thermal Engineering, 2014, 63, 419-427.	6.0	26
137	Application of RELUX simulation to investigate energy saving potential from daylighting in a new educational building in UK. Energy and Buildings, 2014, 74, 191-202.	6.7	35
138	Influence of the receiverâ€™s back surface radiative characteristics on the performance of a heat-pipe evacuated-tube solar collector. Applied Energy, 2014, 116, 159-166.	10.1	16
139	A study on use of miniature dielectric compound parabolic concentrator (dCPC) for daylighting control application. Building and Environment, 2014, 74, 75-85.	6.9	33
140	Design and experimental analysis of a cylindrical compound Fresnel solar concentrator. Solar Energy, 2014, 107, 26-37.	6.1	39
141	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.	9.2	70
142	Experimental investigation of a novel multi-effect solar desalination system based on humidificationâ€“dehumidification process. Renewable Energy, 2014, 69, 253-259.	8.9	66
143	Combination of a light funnel concentrator with a deflector for orientated sunlight transmission. Energy Conversion and Management, 2014, 88, 785-793.	9.2	6
144	Improving angular acceptance of stationary low-concentration photovoltaic compound parabolic concentrators using acrylic lens-walled structure. Journal of Renewable and Sustainable Energy, 2014, 6, 013122.	2.0	3

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145	An Improvement to Calculation of Lighting Energy Requirement in the European Standard EN 15193:2007. Journal of Daylighting, 2014, 1, 16-28.	1.2	7
146	Performance analysis and experimental investigation of a novel trough daylight concentration and axial transmission system. Solar Energy, 2013, 97, 200-207.	6.1	3
147	Performance analysis and experimental verification of a multi-sleeve tubular still filled with different gas media. Desalination, 2013, 331, 56-61.	8.2	18
148	An Experimental Study on a Novel Heat Pipe-Type Photovoltaic/Thermal System with and without a Glass Cover. International Journal of Green Energy, 2013, 10, 72-89.	3.8	30
149	Preliminary Experimental Comparison of the Performance of a Novel Lens-Walled Compound Parabolic Concentrator (CPC) with the Conventional Mirror and Solid CPCs. International Journal of Green Energy, 2013, 10, 848-859.	3.8	23
150	Theoretical studies of a hybrid ejector CO2 compression cooling system for vehicles and preliminary experimental investigations of an ejector cycle. Applied Energy, 2013, 102, 931-942.	10.1	35
151	Feasibility of periodic thermosyphons for environmentally friendly ground source cooling applications. International Journal of Low-Carbon Technologies, 2013, 8, 117-123.	2.6	4
152	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 < 1). Energies, 2012, 5, 911-924.	3.1	36
153	A Novel Lens-Walled Compound Parabolic Concentrator for Photovoltaic Applications. Journal of Solar Energy Engineering, Transactions of the ASME, 2012, 134, .	1.8	37
154	Experimental test of a novel multi-surface trough solar concentrator for air heating. Energy Conversion and Management, 2012, 63, 123-129.	9.2	14
155	The Motional Design and Analysis for Linear Fresnel Reflector System Combined Three-Movement. Energy Procedia, 2012, 14, 971-976.	1.8	6
156	Preliminary study based on building-integrated compound parabolic concentrators (CPC) PV/thermal technology. Energy Procedia, 2012, 14, 343-350.	1.8	30
157	Radiance/Pmap simulation of a novel lens-walled compound parabolic concentrator (lens-walled) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	15
158	Energy saving potential of MonodraughtTM sunpipes installed in a supermarket. Energy Procedia, 2012, 14, 578-583.	1.8	3
159	Comparative monitoring and data regression of various sized commercial lightpipes. Energy and Buildings, 2012, 50, 308-314.	6.7	9
160	Comparative study on annual solar energy collection of a novel lens-walled compound parabolic concentrator (lens-walled CPC). Sustainable Cities and Society, 2012, 4, 35-40.	10.4	43
161	Preliminary Ray Tracing and Experimental Study on the Effect of Mirror Coating on the Optical Efficiency of a Solid Dielectric Compound Parabolic Concentrator. Energies, 2012, 5, 3627-3639.	3.1	29
162	A study on incorporation of thermoelectric modules with evacuated-tube heat-pipe solar collectors. Renewable Energy, 2012, 37, 142-149.	8.9	125

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163	Evaluation of Natural Ventilation and Cooling Systems using Dynamic Simulation Methods. International Journal of Ventilation, 2011, 10, 133-146.	0.4	1
164	Parametrical analysis of the design and performance of a solar heat pipe thermoelectric generator unit. Applied Energy, 2011, 88, 5083-5089.	10.1	94
165	A novel combined solar concentration/wind augmentation system: Constructions and preliminary testing of a prototype. Applied Thermal Engineering, 2011, 31, 3664-3668.	6.0	10
166	Study of a novel sunlight concentrating and optical fibre guiding system. Solar Energy, 2011, 85, 1364-1370.	6.1	20
167	Design analysis of a Fresnel lens concentrating PV cell. International Journal of Low-Carbon Technologies, 2011, 6, 165-170.	2.6	24
168	A feasibility study of a novel combined solar concentration/wind augmentation system. International Journal of Low-Carbon Technologies, 2011, 6, 14-21.	2.6	2
169	Evaluation of a lightwell design for multi-storey buildings. International Journal of Energy Research, 2010, 34, 387-392.	4.5	8
170	A parametric study of characteristics of concentrating PV modules. International Journal of Low-Carbon Technologies, 2010, 5, 57-62.	2.6	13
171	Daylighting performance of atriums in subtropical climate. International Journal of Low-Carbon Technologies, 2009, 4, 230-237.	2.6	12
172	Performance testing and comparison of turbine ventilators. Renewable Energy, 2008, 33, 2441-2447.	8.9	33
173	A review on wind driven ventilation techniques. Energy and Buildings, 2008, 40, 1586-1604.	6.7	221
174	Experimental and CFD study of ventilation flow rate of a Monodraughtâ„¢ windcatcher. Energy and Buildings, 2008, 40, 1110-1116.	6.7	52
175	Analysis of a novel absorption refrigeration cycle using centrifugal separation. Energy, 2001, 26, 177-185.	8.8	4
176	Experimental and numerical investigation of enhancement of heat and mass transfer in adsorbent beds. Journal of Thermal Science, 1994, 3, 187-190.	1.9	1
177	A technique for producing drinking water from air using adsorbents driven by solar energy: Theoretical and experimental research. Journal of Thermal Science, 1994, 3, 225-228.	1.9	2
178	Thermochemical cooling system based on adsorption pumping pipe. International Journal of Low-Carbon Technologies, 0, , ctt055.	2.6	0