

# Yuehong Su

## List of Publications by Year in descending order

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Version: 2024-02-01

178  
papers

5,735  
citations

94433

37  
h-index

98798

67  
g-index

179  
all docs

179  
docs citations

179  
times ranked

5277  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	10.3	732
2	A review on wind driven ventilation techniques. <i>Energy and Buildings</i> , 2008, 40, 1586-1604.	6.7	221
3	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.	16.4	166
4	Numerical investigation of heat pipe-based photovoltaic/thermoelectric generator (HP-PV/TEG) hybrid system. <i>Energy Conversion and Management</i> , 2016, 112, 274-287.	9.2	154
5	Recent research developments in polymer heat exchangers – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 1367-1386.	16.4	150
6	Daylight availability assessment and its potential energy saving estimation – A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 494-503.	16.4	137
7	A study on incorporation of thermoelectric modules with evacuated-tube heat-pipe solar collectors. <i>Renewable Energy</i> , 2012, 37, 142-149.	8.9	125
8	The advances of polysaccharide-based aerogels: Preparation and potential application. <i>Carbohydrate Polymers</i> , 2019, 226, 115242.	10.2	113
9	Parametric design and daylighting: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 1086-1103.	16.4	111
10	Numerical and experimental study on a PV/T system with static miniature solar concentrator. <i>Solar Energy</i> , 2015, 120, 565-574.	6.1	101
11	Thermal conductivity, structure and mechanical properties of konjac glucomannan/starch based aerogel strengthened by wheat straw. <i>Carbohydrate Polymers</i> , 2018, 197, 284-291.	10.2	100
12	Parametrical analysis of the design and performance of a solar heat pipe thermoelectric generator unit. <i>Applied Energy</i> , 2011, 88, 5083-5089.	10.1	94
13	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.	10.1	86
14	Effect of non-uniform illumination and temperature distribution on concentrating solar cell - A review. <i>Energy</i> , 2018, 144, 1119-1136.	8.8	86
15	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	86
16	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.	9.2	81
17	Controlling venetian blinds based on parametric design; via implementing Grasshopper™s plugins: A case study of an office building in Cairo. <i>Energy and Buildings</i> , 2017, 139, 31-43.	6.7	79
18	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.	9.2	70

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19	Experimental investigation of a novel multi-effect solar desalination system based on humidification–dehumidification process. <i>Renewable Energy</i> , 2014, 69, 253-259.	8.9	66
20	Numerical analysis of a novel ground heat exchanger coupled with phase change materials. <i>Applied Thermal Engineering</i> , 2015, 88, 369-375.	6.0	65
21	Performance assessment of a trifunctional system integrating solar PV, solar thermal, and radiative sky cooling. <i>Applied Energy</i> , 2020, 260, 114167.	10.1	56
22	Experimental and CFD study of ventilation flow rate of a Monodraught, ¢ windcatcher. <i>Energy and Buildings</i> , 2008, 40, 1110-1116.	6.7	52
23	A novel solar multifunctional PV/T/D system for green building roofs. <i>Energy Conversion and Management</i> , 2015, 93, 63-71.	9.2	52
24	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.	2.6	50
25	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.	8.9	50
26	Field investigation of a hybrid photovoltaic-photothermic-radiative cooling system. <i>Applied Energy</i> , 2018, 231, 288-300.	10.1	49
27	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.	8.9	48
28	Life-cycle assessment of a low-concentration PV module for building south wall integration in China. <i>Applied Energy</i> , 2018, 215, 174-185.	10.1	47
29	A review on independent and integrated/coupled two-phase loop thermosyphons. <i>Applied Energy</i> , 2020, 280, 115885.	10.1	46
30	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.	6.0	45
31	Life cycle assessment of a cleaner supercritical coal-fired power plant. <i>Journal of Cleaner Production</i> , 2021, 279, 123869.	9.3	45
32	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.	10.4	43
33	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.	6.0	41
34	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.	10.1	41
35	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.	6.1	40
36	Design and experimental analysis of a cylindrical compound Fresnel solar concentrator. <i>Solar Energy</i> , 2014, 107, 26-37.	6.1	39

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37	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
38	A novel concentrating photovoltaic/daylighting control system: Optical simulation and preliminary experimental analysis. Applied Energy, 2018, 228, 1362-1372.	10.1	39
39	A Novel Lens-Walled Compound Parabolic Concentrator for Photovoltaic Applications. Journal of Solar Energy Engineering, Transactions of the ASME, 2012, 134, .	1.8	37
40	Applications of radiative sky cooling in solar energy systems: Progress, challenges, and prospects. Renewable and Sustainable Energy Reviews, 2022, 160, 112304.	16.4	37
41	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 &lt; 1). Energies, 2012, 5, 911-924.	3.1	36
42	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
43	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
44	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
45	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
46	A novel evaporative cooling system with a polymer hollow fibre spindle. Applied Thermal Engineering, 2018, 132, 665-675.	6.0	34
47	Comparative analysis of different surfaces for integrated solar heating and radiative cooling: A numerical study. Energy, 2018, 155, 360-369.	8.8	34
48	A novel strategy for a building-integrated diurnal photovoltaic and all-day radiative cooling system. Energy, 2019, 183, 892-900.	8.8	34
49	Performance testing and comparison of turbine ventilators. Renewable Energy, 2008, 33, 2441-2447.	8.9	33
50	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
51	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
52	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
53	Design and cost-benefit analysis of a novel anaerobic industrial bioenergy plant in Pakistan. Renewable Energy, 2016, 90, 242-247.	8.9	31
54	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

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55	Parametric analysis and annual performance evaluation of an air-based integrated solar heating and radiative cooling collector. <i>Energy</i> , 2018, 165, 811-824.	8.8	31
56	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.	8.9	31
57	Preliminary study based on building-integrated compound parabolic concentrators (CPC) PV/thermal technology. <i>Energy Procedia</i> , 2012, 14, 343-350.	1.8	30
58	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.	3.8	30
59	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.	3.1	30
60	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.	10.1	30
61	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	29
62	Experimental investigations of polymer hollow fibre heat exchangers for building heat recovery application. <i>Energy and Buildings</i> , 2016, 125, 99-108.	6.7	29
63	Numerical investigations and performance comparisons of a novel cross-flow hollow fiber integrated liquid desiccant dehumidification system. <i>Energy</i> , 2019, 182, 1115-1131.	8.8	29
64	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.	8.9	29
65	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.	6.0	28
66	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.	6.1	28
67	Experimental investigation on PCM cold storage integrated with ejector cooling system. <i>Applied Thermal Engineering</i> , 2014, 63, 419-427.	6.0	26
68	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.	8.2	26
69	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.	8.9	26
70	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.	7.5	26
71	A study on the maximum gained output ratio of single-effect solar humidification-dehumidification desalination. <i>Solar Energy</i> , 2017, 157, 1-9.	6.1	25
72	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.	9.2	25

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73	Design analysis of a Fresnel lens concentrating PV cell. <i>International Journal of Low-Carbon Technologies</i> , 2011, 6, 165-170.	2.6	24
74	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.	3.8	23
75	Thermodynamic analysis of an idealised solar tower thermal power plant. <i>Applied Thermal Engineering</i> , 2015, 81, 271-278.	6.0	23
76	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.	7.1	23
77	An analytical study of the nocturnal radiative cooling potential of typical photovoltaic/thermal module. <i>Applied Energy</i> , 2020, 277, 115625.	10.1	23
78	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.	6.7	22
79	Feasibility research on a double-covered hybrid photo-thermal and radiative sky cooling module. <i>Solar Energy</i> , 2020, 197, 332-343.	6.1	22
80	Modelling of organic Rankine cycle efficiency with respect to the equivalent hot side temperature. <i>Energy</i> , 2016, 115, 668-683.	8.8	21
81	Overall detail comparison for a building integrated concentrating photovoltaic/daylighting system. <i>Energy and Buildings</i> , 2019, 199, 415-426.	6.7	21
82	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.	6.1	21
83	Study of a novel sunlight concentrating and optical fibre guiding system. <i>Solar Energy</i> , 2011, 85, 1364-1370.	6.1	20
84	A comprehensive review on renewable and sustainable heating systems for poultry farming. <i>International Journal of Low-Carbon Technologies</i> , 2020, 15, 121-142.	2.6	20
85	Sound absorption characteristics of KGM-based aerogel. <i>International Journal of Low-Carbon Technologies</i> , 2020, 15, 450-457.	2.6	20
86	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.	10.1	20
87	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.	9.2	19
88	Performance analysis and experimental verification of a multi-sleeve tubular still filled with different gas media. <i>Desalination</i> , 2013, 331, 56-61.	8.2	18
89	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.	8.2	18
90	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.	2.6	18

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91	Structure optimization and annual performance analysis of the lens-walled compound parabolic concentrator. <i>International Journal of Green Energy</i> , 2016, 13, 944-950.	3.8	17
92	Experimental study on the temperature management behaviours of a controllable loop thermosyphon. <i>Energy Conversion and Management</i> , 2019, 195, 436-446.	9.2	17
93	Implementation of Passive Radiative Cooling Technology in Buildings: A Review. <i>Buildings</i> , 2020, 10, 215.	3.1	17
94	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.	10.1	16
95	Experimental study on a novel photovoltaic thermal system using amorphous silicon cells deposited on stainless steel. <i>Energy</i> , 2018, 159, 786-798.	8.8	16
96	Investigation of an innovative PV/T-ORC system using amorphous silicon cells and evacuated flat plate solar collectors. <i>Energy</i> , 2020, 203, 117873.	8.8	16
97	Performance analysis of a novel bifacial solar photothermic and radiative cooling module. <i>Energy Conversion and Management</i> , 2021, 236, 114057.	9.2	16
98	Radiance/Pmap simulation of a novel lens-walled compound parabolic concentrator (lens-walled) Tj ETQq0 0 0 rgBT <sub>1</sub> /Overlock 10 Tf 50 4	1.8	15
99	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.	6.1	15
100	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.	6.1	15
101	Experimental test of a novel multi-surface trough solar concentrator for air heating. <i>Energy Conversion and Management</i> , 2012, 63, 123-129.	9.2	14
102	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.	5.3	14
103	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.	5.9	14
104	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.	3.4	14
105	Analysis of environmental sustainability of e-waste in developing countries " a case study from Pakistan. <i>Environmental Science and Pollution Research</i> , 2022, 29, 36721-36739.	5.3	14
106	A parametric study of characteristics of concentrating PV modules. <i>International Journal of Low-Carbon Technologies</i> , 2010, 5, 57-62.	2.6	13
107	A Review of Performance Specifications and Studies of Trickle Vents. <i>Buildings</i> , 2018, 8, 152.	3.1	13
108	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.	6.7	13

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109	Feasibility of realizing daytime solar heating and radiative cooling simultaneously with a novel structure. <i>Sustainable Cities and Society</i> , 2021, 74, 103224.	10.4	13
110	Daylight Distribution Improvement Using Automated Prismatic Louvre. <i>Journal of Daylighting</i> , 2020, 7, 84-92.	1.2	13
111	Daylighting performance of atriums in subtropical climate. <i>International Journal of Low-Carbon Technologies</i> , 2009, 4, 230-237.	2.6	12
112	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.	3.1	11
113	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.	5.3	11
114	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.	2.7	11
115	A novel combined solar concentration/wind augmentation system: Constructions and preliminary testing of a prototype. <i>Applied Thermal Engineering</i> , 2011, 31, 3664-3668.	6.0	10
116	A discussion of inner south projection angle for performance analysis of dielectric compound parabolic concentrator. <i>Solar Energy</i> , 2015, 113, 101-113.	6.1	10
117	Experimental study of organic Rankine cycle in the presence of non-condensable gases. <i>Energy</i> , 2018, 142, 739-753.	8.8	10
118	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.	5.3	10
119	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.	1.2	10
120	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.	8.8	10
121	Comparative monitoring and data regression of various sized commercial lightpipes. <i>Energy and Buildings</i> , 2012, 50, 308-314.	6.7	9
122	Thermal insulation performance of an advanced photovoltaic vacuum glazing: A numerical investigation and simulation. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	2.0	9
123	Development and testing of a PCM enhanced domestic refrigerator with use of miniature DC compressor for weak/off grid locations. <i>International Journal of Green Energy</i> , 2022, 19, 1118-1131.	3.8	9
124	Performance investigation of a novel solar direct-drive sweeping gas membrane distillation system with a multi-surface concentrator. <i>Desalination</i> , 2022, 537, 115848.	8.2	9
125	Evaluation of a lightwell design for multi-storey buildings. <i>International Journal of Energy Research</i> , 2010, 34, 387-392.	4.5	8
126	Multiple nonlinear regression model for predicting the optical performances of dielectric crossed compound parabolic concentrator (dCCPC). <i>Solar Energy</i> , 2018, 159, 212-225.	6.1	8



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127	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.	2.8	8
128	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.	8.8	8
129	A Study on Daylighting Performance of Split Louver with Simplified Parametric Control. <i>Buildings</i> , 2022, 12, 594.	3.1	8
130	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	7
131	Performance of seawater-filling type planting system based on solar distillation process: Numerical and experimental investigation. <i>Applied Energy</i> , 2019, 250, 1225-1234.	10.1	7
132	Life cycle assessment of a novel biomass-based aerogel material for building insulation. <i>Journal of Building Engineering</i> , 2021, 44, 102988.	3.4	7
133	An Improvement to Calculation of Lighting Energy Requirement in the European Standard EN 15193:2007. <i>Journal of Daylighting</i> , 2014, 1, 16-28.	1.2	7
134	TECHNO-ECONOMIC IMPACTS OF INNOVATIVE COMMERCIAL-INDUSTRIAL SCALE BIOENERGY PLANT IN PAKISTAN. <i>Pakistan Journal of Agricultural Sciences</i> , 2016, 53, 647-652.	0.2	7
135	The Motional Design and Analysis for Linear Fresnel Reflector System Combined Three-Movement. <i>Energy Procedia</i> , 2012, 14, 971-976.	1.8	6
136	Combination of a light funnel concentrator with a deflector for orientated sunlight transmission. <i>Energy Conversion and Management</i> , 2014, 88, 785-793.	9.2	6
137	A dish-type high-concentration photovoltaic system with spectral beam-splitting for crop growth. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	6
138	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.	2.3	6
139	Preliminary evaluation of the energy-saving behavior of a novel household refrigerator. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	2.0	6
140	Environmental life cycle analysis of a modern commercial-scale fibreglass composite-based biogas scrubbing system. <i>Renewable Energy</i> , 2022, 185, 1261-1271.	8.9	6
141	A novel concentrated solar power system using cascade steam-organic Rankine cycle and two-stage accumulators. <i>Energy Procedia</i> , 2017, 142, 386-394.	1.8	5
142	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	5
143	An improved model to predict thermal runaway in concentrator IIIâ€V multi-junction solar cells. <i>International Journal of Low-Carbon Technologies</i> , 2018, 13, 432-437.	2.6	5
144	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.	2.6	5

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145	Investigation on an Improved Household Refrigerator for Energy Saving of Residential Buildings. Applied Sciences (Switzerland), 2020, 10, 4246.	2.5	5
146	Analysis of a novel absorption refrigeration cycle using centrifugal separation. Energy, 2001, 26, 177-185.	8.8	4
147	Feasibility of periodic thermosyphons for environmentally friendly ground source cooling applications. International Journal of Low-Carbon Technologies, 2013, 8, 117-123.	2.6	4
148	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
149	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
150	A Novel and Accurate Method for Moisture Adsorption Isotherm Determination of Sultana Raisins. Food Analytical Methods, 2019, 12, 2491-2499.	2.6	4
151	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
152	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
153	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
154	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
155	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
156	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
157	Alternative experimental characterization of phase change material plasterboard using two-step temperature ramping technique. Energy and Buildings, 2022, 267, 112153.	6.7	4
158	Energy saving potential of Monodraught™ sunpipes installed in a supermarket. Energy Procedia, 2012, 14, 578-583.	1.8	3
159	Performance analysis and experimental investigation of a novel trough daylight concentration and axial transmission system. Solar Energy, 2013, 97, 200-207.	6.1	3
160	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
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	A preliminary experimental study of a novel incorporation of chilled ceiling with phase change materials and transparent membrane cover. <i>International Journal of Low-Carbon Technologies</i> , 2022, 17, 258-265.	2.6	3
164	A technique for producing drinking water from air using adsorbents driven by solar energy: Theoretical and experimental research. <i>Journal of Thermal Science</i> , 1994, 3, 225-228.	1.9	2
165	A feasibility study of a novel combined solar concentration/wind augmentation system. <i>International Journal of Low-Carbon Technologies</i> , 2011, 6, 14-21.	2.6	2
166	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	2
167	The prototype construction and performance evaluation of dish-type concentrator photovoltaic system. <i>International Journal of Low-Carbon Technologies</i> , 2019, 14, 294-301.	2.6	2
168	Alignment of the initial phase during multiple-wavelength switching in microscopic interferometry. <i>Optics and Laser Technology</i> , 2019, 115, 493-499.	4.6	2
169	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.	2.6	2
170	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.	3.1	2
171	Investigation on a Vermiculite-Based Solar Thermochemical Heat Storage System for Building Applications. <i>Future Cities and Environment</i> , 2022, 8, .	1.6	2
172	Experimental and numerical investigation of enhancement of heat and mass transfer in adsorbent beds. <i>Journal of Thermal Science</i> , 1994, 3, 187-190.	1.9	1
173	Evaluation of Natural Ventilation and Cooling Systems using Dynamic Simulation Methods. <i>International Journal of Ventilation</i> , 2011, 10, 133-146.	0.4	1
174	Recent Research Progress in Solar Thermal Conversion Theory and Applications. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-2.	2.5	1
175	Waste valorization and resource conservation in rice processing industriesâ€”an analytical study from Pakistan. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43372-43388.	5.3	1
176	Potential implementation of EVs â€” Features, Challenges and User perspective. , 2021, , .		1
177	Thermochemical cooling system based on adsorption pumping pipe. <i>International Journal of Low-Carbon Technologies</i> , 0, , ctt055.	2.6	0
178	Study of luminescent coupling effect in modeling a concentrator photovoltaic system with III-V triple junction solar cell. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 1210-1216.	2.6	0