# Yuehong Su

## List of Publications by Citations

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

| # | Paper | IF | Citations |
|---|---|---|---|
| 173 | 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 | 13 | 543 |
| 172 | A review on wind driven ventilation techniques. *Energy and Buildings*, **2008**, 40, 1586-1604 | 7 | 171 |
| 171 | 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 | 16.2 | 121 |
| 170 | A study on incorporation of thermoelectric modules with evacuated-tube heat-pipe solar collectors. *Renewable Energy*, **2012**, 37, 142-149 | 8.1 | 102 |
| 169 | Recent research developments in polymer heat exchangers □A review. *Renewable and Sustainable Energy Reviews*, **2016**, 60, 1367-1386 | 16.2 | 97 |
| 168 | Numerical investigation of heat pipe-based photovoltaic□thermoelectric generator (HP-PV/TEG) hybrid system. *Energy Conversion and Management*, **2016**, 112, 274-287 | 10.6 | 93 |
| 167 | Daylight availability assessment and its potential energy saving estimation □A literature review. *Renewable and Sustainable Energy Reviews*, **2015**, 52, 494-503 | 16.2 | 92 |
| 166 | Numerical and experimental study on a PV/T system with static miniature solar concentrator. *Solar Energy*, **2015**, 120, 565-574 | 6.8 | 81 |
| 165 | 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 | 10.7 | 76 |
| 164 | Parametrical analysis of the design and performance of a solar heat pipe thermoelectric generator unit. *Applied Energy*, **2011**, 88, 5083-5089 | 10.7 | 73 |
| 163 | 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 | 64 |
| 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 | 10.6 | 64 |
| 161 | Parametric design and daylighting: A literature review. *Renewable and Sustainable Energy Reviews*, **2017**, 73, 1086-1103 | 16.2 | 60 |
| 160 | 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 | 10.6 | 56 |
| 159 | Effect of non-uniform illumination and temperature distribution on concentrating solar cell - A review. *Energy*, **2018**, 144, 1119-1136 | 7.9 | 56 |
| 158 | The advances of polysaccharide-based aerogels: Preparation and potential application. *Carbohydrate Polymers*, **2019**, 226, 115242 | 10.3 | 55 |
| 157 | Experimental investigation of a novel multi-effect solar desalination system based on humidification□dehumidification process. *Renewable Energy*, **2014**, 69, 253-259 | 8.1 | 52 |

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| 156 | Thermal conductivity, structure and mechanical properties of konjac glucomannan/starch based aerogel strengthened by wheat straw. *Carbohydrate Polymers*, **2018**, 197, 284-291 | 10.3 | 51 |
| 155 | Controlling venetian blinds based on parametric design; via implementing Grasshopper plugins: A case study of an office building in Cairo. *Energy and Buildings*, **2017**, 139, 31-43 | 7 | 49 |
| 154 | Numerical analysis of a novel ground heat exchanger coupled with phase change materials. *Applied Thermal Engineering*, **2015**, 88, 369-375 | 5.8 | 45 |
| 153 | Experimental and CFD study of ventilation flow rate of a Monodraught windcatcher. *Energy and Buildings*, **2008**, 40, 1110-1116 | 7 | 43 |
| 152 | A novel solar multifunctional PV/T/D system for green building roofs. *Energy Conversion and Management*, **2015**, 93, 63-71 | 10.6 | 41 |
| 151 | Field investigation of a hybrid photovoltaic-photothermic-radiative cooling system. *Applied Energy*, **2018**, 231, 288-300 | 10.7 | 38 |
| 150 | Life-cycle assessment of a low-concentration PV module for building south wall integration in China. *Applied Energy*, **2018**, 215, 174-185 | 10.7 | 36 |
| 149 | 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 | 8.1 | 34 |
| 148 | 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 | 10.1 | 34 |
| 147 | Performance assessment of a trifunctional system integrating solar PV, solar thermal, and radiative sky cooling. *Applied Energy*, **2020**, 260, 114167 | 10.7 | 34 |
| 146 | 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 | 10.7 | 33 |
| 145 | A Novel Lens-Walled Compound Parabolic Concentrator for Photovoltaic Applications. *Journal of Solar Energy Engineering, Transactions of the ASME*, **2012**, 134, | 2.3 | 33 |
| 144 | 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 | 10.7 | 31 |
| 143 | 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 | 7 | 30 |
| 142 | Numerical and lab experiment study of a novel concentrating PV with uniform flux distribution. *Solar Energy Materials and Solar Cells*, **2018**, 179, 1-9 | 6.4 | 29 |
| 141 | Design and experimental analysis of a cylindrical compound Fresnel solar concentrator. *Solar Energy*, **2014**, 107, 26-37 | 6.8 | 29 |
| 140 | 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 Energies, **2012**, 5, 911-924 | 3.1 | 29 |
| 139 | Optimization design and performance analysis of a novel asymmetric compound parabolic concentrator with rotation angle for building application. *Solar Energy*, **2017**, 158, 808-818 | 6.8 | 28 |

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| 138 | 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 | 2.8 | 28 |
| 137 | Numerical study and experimental validation of a combined diurnal solar heating and nocturnal radiative cooling collector. *Applied Thermal Engineering*, **2018**, 145, 1-13 | 5.8 | 28 |
| 136 | Heat transfer analysis of underground thermal energy storage in shallow trenches filled with encapsulated phase change materials. *Applied Thermal Engineering*, **2015**, 90, 1044-1051 | 5.8 | 27 |
| 135 | Comparative analysis of different surfaces for integrated solar heating and radiative cooling: A numerical study. *Energy*, **2018**, 155, 360-369 | 7.9 | 27 |
| 134 | A study on use of miniature dielectric compound parabolic concentrator (dCPC) for daylighting control application. *Building and Environment*, **2014**, 74, 75-85 | 6.5 | 27 |
| 133 | Preliminary study based on building-integrated compound parabolic concentrators (CPC) PV/thermal technology. *Energy Procedia*, **2012**, 14, 343-350 | 2.3 | 27 |
| 132 | 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 | 27 |
| 131 | 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 | 8.1 | 26 |
| 130 | Design and cost-benefit analysis of a novel anaerobic industrial bioenergy plant in Pakistan. *Renewable Energy*, **2016**, 90, 242-247 | 8.1 | 26 |
| 129 | A novel concentrating photovoltaic/daylighting control system: Optical simulation and preliminary experimental analysis. *Applied Energy*, **2018**, 228, 1362-1372 | 10.7 | 26 |
| 128 | Energetic and exergetic analyses on structural optimized parabolic trough solar receivers in a concentrated solar thermal collector system. *Energy*, **2019**, 171, 611-623 | 7.9 | 25 |
| 127 | A study on the effect of ground surface boundary conditions in modelling shallow ground heat exchangers. *Applied Thermal Engineering*, **2017**, 111, 1371-1377 | 5.8 | 24 |
| 126 | Analysis of a novel design of uniformly illumination for Fresnel lens-based optical fiber daylighting system. *Energy and Buildings*, **2017**, 154, 19-29 | 7 | 24 |
| 125 | Performance testing and comparison of turbine ventilators. *Renewable Energy*, **2008**, 33, 2441-2447 | 8.1 | 23 |
| 124 | Experimental investigation on PCM cold storage integrated with ejector cooling system. *Applied Thermal Engineering*, **2014**, 63, 419-427 | 5.8 | 22 |
| 123 | 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 | 22 |
| 122 | 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 | 22 |
| 121 | Performance evaluation and analyses of novel parabolic trough evacuated collector tubes with spectrum-selective glass envelope. *Renewable Energy*, **2019**, 138, 793-804 | 8.1 | 21 |

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| 120 | A novel evaporative cooling system with a polymer hollow fibre spindle. *Applied Thermal Engineering*, **2018**, 132, 665-675 | 5.8 | 21 |
| 119 | Life cycle assessment of a cleaner supercritical coal-fired power plant. *Journal of Cleaner Production*, **2021**, 279, 123869 | 10.3 | 21 |
| 118 | Parametric analysis and annual performance evaluation of an air-based integrated solar heating and radiative cooling collector. *Energy*, **2018**, 165, 811-824 | 7.9 | 21 |
| 117 | Thermodynamic analysis of an idealised solar tower thermal power plant. *Applied Thermal Engineering*, **2015**, 81, 271-278 | 5.8 | 20 |
| 116 | Experimental investigations of polymer hollow fibre heat exchangers for building heat recovery application. *Energy and Buildings*, **2016**, 125, 99-108 | 7 | 20 |
| 115 | A novel approach to thermal storage of direct steam generation solar power systems through two-step heat discharge. *Applied Energy*, **2019**, 236, 81-100 | 10.7 | 20 |
| 114 | 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 | 8.1 | 19 |
| 113 | Performance analysis and experimental comparison of three operational modes of a triple-effect vertical concentric tubular solar desalination device. *Desalination*, **2015**, 375, 10-20 | 10.3 | 19 |
| 112 | A novel strategy for a building-integrated diurnal photovoltaic and all-day radiative cooling system. *Energy*, **2019**, 183, 892-900 | 7.9 | 19 |
| 111 | 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 | 8.1 | 18 |
| 110 | The mass transfer coefficient assessment and productivity enhancement of a vertical tubular solar brackish water still. *Applied Thermal Engineering*, **2018**, 128, 1446-1455 | 5.8 | 18 |
| 109 | Design analysis of a Fresnel lens concentrating PV cell. *International Journal of Low-Carbon Technologies*, **2011**, 6, 165-170 | 2.8 | 18 |
| 108 | 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 | 6.7 | 18 |
| 107 | Experimental investigation of a polymer hollow fibre integrated liquid desiccant dehumidification system with aqueous potassium formate solution. *Applied Thermal Engineering*, **2018**, 142, 632-643 | 5.8 | 17 |
| 106 | Overall detail comparison for a building integrated concentrating photovoltaic/daylighting system. *Energy and Buildings*, **2019**, 199, 415-426 | 7 | 17 |
| 105 | Study of a novel sunlight concentrating and optical fibre guiding system. *Solar Energy*, **2011**, 85, 1364-1378 | 6.8 | 17 |
| 104 | Effect of drying temperature on structural and thermomechanical properties of konjac glucomannan-zein blend films. *International Journal of Biological Macromolecules*, **2019**, 138, 135-143 | 7.9 | 16 |
| 103 | A study on the maximum gained output ratio of single-effect solar humidification-dehumidification desalination. *Solar Energy*, **2017**, 157, 1-9 | 6.8 | 16 |

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| 102 | An analytical study of the nocturnal radiative cooling potential of typical photovoltaic/thermal module. *Applied Energy*, **2020**, 277, 115625 | 10.7 | 15 |
| 101 | Feasibility research on a double-covered hybrid photo-thermal and radiative sky cooling module. *Solar Energy*, **2020**, 197, 332-343 | 6.8 | 14 |
| 100 | Structure optimization and annual performance analysis of the lens-walled compound parabolic concentrator. *International Journal of Green Energy*, **2016**, 13, 944-950 | 3 | 14 |
| 99 | Influence of the receiver back surface radiative characteristics on the performance of a heat-pipe evacuated-tube solar collector. *Applied Energy*, **2014**, 116, 159-166 | 10.7 | 14 |
| 98 | Performance analysis and experimental verification of a multi-sleeve tubular still filled with different gas media. *Desalination*, **2013**, 331, 56-61 | 10.3 | 14 |
| 97 | 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 | 7 | 14 |
| 96 | Design, optimization and performance analysis of an asymmetric concentrator-PV type window for the building south wall application. *Solar Energy*, **2019**, 193, 422-433 | 6.8 | 13 |
| 95 | Numerical investigations and performance comparisons of a novel cross-flow hollow fiber integrated liquid desiccant dehumidification system. *Energy*, **2019**, 182, 1115-1131 | 7.9 | 13 |
| 94 | Modelling of organic Rankine cycle efficiency with respect to the equivalent hot side temperature. *Energy*, **2016**, 115, 668-683 | 7.9 | 13 |
| 93 | Experimental study on a novel photovoltaic thermal system using amorphous silicon cells deposited on stainless steel. *Energy*, **2018**, 159, 786-798 | 7.9 | 13 |
| 92 | 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 | 10.6 | 13 |
| 91 | Radiance/Pmap simulation of a novel lens-walled compound parabolic concentrator (lens-walled CPC). *Energy Procedia*, **2012**, 14, 572-577 | 2.3 | 13 |
| 90 | A comprehensive review on renewable and sustainable heating systems for poultry farming. *International Journal of Low-Carbon Technologies*, **2020**, 15, 121-142 | 2.8 | 13 |
| 89 | A review on independent and integrated/coupled two-phase loop thermosyphons. *Applied Energy*, **2020**, 280, 115885 | 10.7 | 13 |
| 88 | 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 | 6.8 | 12 |
| 87 | 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 | 2.6 | 12 |
| 86 | An evaluation study of miniature dielectric crossed compound parabolic concentrator (dCCPC) panel as skylights in building energy simulation. *Solar Energy*, **2019**, 179, 264-278 | 6.8 | 12 |
| 85 | 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 | 10.3 | 11 |

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| 84 | Daylighting performance of atriums in subtropical climate. *International Journal of Low-Carbon Technologies*, **2009**, 4, 230-237 | 2.8 | 11 |
| 83 | 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 | 6.8 | 11 |
| 82 | 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 | 5.1 | 10 |
| 81 | Experimental test of a novel multi-surface trough solar concentrator for air heating. *Energy Conversion and Management*, **2012**, 63, 123-129 | 10.6 | 10 |
| 80 | Microstructure and filtration performance of konjac glucomannan-based aerogels strengthened by wheat straw. *International Journal of Low-Carbon Technologies*, **2019**, 14, 335-343 | 2.8 | 10 |
| 79 | 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 | 10.6 | 9 |
| 78 | Sound absorption characteristics of KGM-based aerogel. *International Journal of Low-Carbon Technologies*, **2020**, 15, 450-457 | 2.8 | 9 |
| 77 | Evaluation of Suitability of a Parametrically Controlled Louvers for Various Orientations throughout a Year Comparing to an Existing Case. *Buildings*, **2017**, 7, 109 | 3.2 | 9 |
| 76 | A discussion of inner south projection angle for performance analysis of dielectric compound parabolic concentrator. *Solar Energy*, **2015**, 113, 101-113 | 6.8 | 9 |
| 75 | A novel combined solar concentration/wind augmentation system: Constructions and preliminary testing of a prototype. *Applied Thermal Engineering*, **2011**, 31, 3664-3668 | 5.8 | 9 |
| 74 | A parametric study of characteristics of concentrating PV modules. *International Journal of Low-Carbon Technologies*, **2010**, 5, 57-62 | 2.8 | 9 |
| 73 | 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 | 1.6 | 9 |
| 72 | A parametric study on the performance characteristics of an evacuated flat-plate photovoltaic/thermal (PV/T) collector. *Renewable Energy*, **2021**, 167, 884-898 | 8.1 | 9 |
| 71 | A Review of Performance Specifications and Studies of Trickle Vents. *Buildings*, **2018**, 8, 152 | 3.2 | 9 |
| 70 | Experimental study on the temperature management behaviours of a controllable loop thermosyphon. *Energy Conversion and Management*, **2019**, 195, 436-446 | 10.6 | 8 |
| 69 | Investigation of an innovative PV/T-ORC system using amorphous silicon cells and evacuated flat plate solar collectors. *Energy*, **2020**, 203, 117873 | 7.9 | 7 |
| 68 | 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 | 5.1 | 7 |
| 67 | Comparative monitoring and data regression of various sized commercial lightpipes. *Energy and Buildings*, **2012**, 50, 308-314 | 7 | 7 |

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| 66 | Evaluation of a lightwell design for multi-storey buildings. *International Journal of Energy Research*, **2010**, 34, 387-392 | 4.5 | 7 |
| 65 | TECHNO-ECONOMIC IMPACTS OF INNOVATIVE COMMERCIAL-INDUSTRIAL SCALE BIOENERGY PLANT IN PAKISTAN. *Pakistan Journal of Agricultural Sciences*, **2016**, 53, 647-652 | 1.5 | 7 |
| 64 | Performance analysis of a novel bifacial solar photothermic and radiative cooling module. *Energy Conversion and Management*, **2021**, 236, 114057 | 10.6 | 7 |
| 63 | An analytical study to predict the future of Pakistan's energy sustainability versus rest of South Asia. *Sustainable Energy Technologies and Assessments*, **2020**, 39, 100707 | 4.7 | 7 |
| 62 | Thermal insulation performance of an advanced photovoltaic vacuum glazing: A numerical investigation and simulation. *Journal of Renewable and Sustainable Energy*, **2019**, 11, 015101 | 2.5 | 6 |
| 61 | Implementation of Passive Radiative Cooling Technology in Buildings: A Review. *Buildings*, **2020**, 10, 215 | 3.2 | 6 |
| 60 | 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 | 1.6 | 6 |
| 59 | The Motional Design and Analysis for Linear Fresnel Reflector System Combined Three-Movement. *Energy Procedia*, **2012**, 14, 971-976 | 2.3 | 6 |
| 58 | Preliminary evaluation of the energy-saving behavior of a novel household refrigerator. *Journal of Renewable and Sustainable Energy*, **2019**, 11, 015102 | 2.5 | 6 |
| 57 | Effect of the spectrally selective features of the cover and emitter combination on radiative cooling performance. *Energy and Built Environment*, **2021**, 2, 251-259 | 6.3 | 6 |
| 56 | Multiple nonlinear regression model for predicting the optical performances of dielectric crossed compound parabolic concentrator (dCCPC). *Solar Energy*, **2018**, 159, 212-225 | 6.8 | 6 |
| 55 | A novel automated louver with parametrically-angled reflective slats; design evaluation for better practicality and daylighting uniformity. *Journal of Building Engineering*, **2021**, 42, 102438 | 5.2 | 6 |
| 54 | Experimental study of organic Rankine cycle in the presence of non-condensable gases. *Energy*, **2018**, 142, 739-753 | 7.9 | 5 |
| 53 | Performance of seawater-filling type planting system based on solar distillation process: Numerical and experimental investigation. *Applied Energy*, **2019**, 250, 1225-1234 | 10.7 | 4 |
| 52 | Investigation on an Improved Household Refrigerator for Energy Saving of Residential Buildings. *Applied Sciences (Switzerland)*, **2020**, 10, 4246 | 2.6 | 4 |
| 51 | 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 | 5.1 | 4 |
| 50 | A novel concentrated solar power system using cascade steam-organic Rankine cycle and two-stage accumulators. *Energy Procedia*, **2017**, 142, 386-394 | 2.3 | 4 |
| 49 | An Improvement to Calculation of Lighting Energy Requirement in the European Standard EN 15193:2007. *Journal of Daylighting*, **2014**, 1, 16-28 | 1.6 | 4 |

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| 48 | Daylight Distribution Improvement Using Automated Prismatic Louvre. *Journal of Daylighting*, **2020**, 7, 84-92 | 1.6 | 4 |
| 47 | 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 | 1.8 | 4 |
| 46 | Theoretical investigations on combined power and ejector cooling system powered by low-grade energy source. *International Journal of Low-Carbon Technologies*, **2015**, ctv015 | 2.8 | 3 |
| 45 | Evaluate the validity of the empirical correlations of clearance and friction coefficients to improve a scroll expander semi-empirical model. *Energy*, **2020**, 202, 117723 | 7.9 | 3 |
| 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 | 5.3 | 3 |
| 43 | 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 | 3 |
| 42 | Combination of a light funnel concentrator with a deflector for orientated sunlight transmission. *Energy Conversion and Management*, **2014**, 88, 785-793 | 10.6 | 3 |
| 41 | Performance analysis and experimental investigation of a novel trough daylight concentration and axial transmission system. *Solar Energy*, **2013**, 97, 200-207 | 6.8 | 3 |
| 40 | 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, | 2.3 | 3 |
| 39 | Energy saving potential of MonodraughtTM sunpipes installed in a supermarket. *Energy Procedia*, **2012**, 14, 578-583 | 2.3 | 3 |
| 38 | Analysis of a novel absorption refrigeration cycle using centrifugal separation. *Energy*, **2001**, 26, 177-185 | 7.9 | 3 |
| 37 | 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*,1-14 | 3 | 3 |
| 36 | Experimental study on a hybrid solar photothermic and radiative cooling collector equipped with a rotatable absorber/emitter plate. *Applied Energy*, **2022**, 306, 118096 | 10.7 | 3 |
| 35 | 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 | 7 | 3 |
| 34 | 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 | 3 |
| 33 | Applications of radiative sky cooling in solar energy systems: Progress, challenges, and prospects. *Renewable and Sustainable Energy Reviews*, **2022**, 160, 112304 | 16.2 | 3 |
| 32 | A dish-type high-concentration photovoltaic system with spectral beam-splitting for crop growth. *Journal of Renewable and Sustainable Energy*, **2017**, 9, 063701 | 2.5 | 2 |
| 31 | 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 | 3.6 | 2 |

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| 30 | 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 | 2.8 | 2 |
| 29 | A Novel and Accurate Method for Moisture Adsorption Isotherm Determination of Sultana Raisins. *Food Analytical Methods*, **2019**, 12, 2491-2499 | 3.4 | 2 |
| 28 | Analysis of environmental sustainability of e-waste in developing countries - a case study from Pakistan.. *Environmental Science and Pollution Research*, **2022**, 1 | 5.1 | 2 |
| 27 | 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 | 1 | 2 |
| 26 | The study of a seasonal solar CCHP system based on evacuated flat-plate collectors and organic Rankine cycle. *Thermal Science*, **2020**, 24, 915-924 | 1.2 | 2 |
| 25 | 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 | 2.8 | 2 |
| 24 | 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 | 2.8 | 2 |
| 23 | 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 | 2.8 | 2 |
| 22 | Feasibility of realizing daytime solar heating and radiative cooling simultaneously with a novel structure. *Sustainable Cities and Society*, **2021**, 74, 103224 | 10.1 | 2 |
| 21 | The prototype construction and performance evaluation of dish-type concentrator photovoltaic system. *International Journal of Low-Carbon Technologies*, **2019**, 14, 294-301 | 2.8 | 1 |
| 20 | 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 | 1 |
| 19 | 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 | 2.5 | 1 |
| 18 | Recent Research Progress in Solar Thermal Conversion Theory and Applications. *International Journal of Photoenergy*, **2015**, 2015, 1-2 | 2.1 | 1 |
| 17 | Feasibility of periodic thermosyphons for environmentally friendly ground source cooling applications. *International Journal of Low-Carbon Technologies*, **2013**, 8, 117-123 | 2.8 | 1 |
| 16 | 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 |
| 15 | 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 | 1 |
| 14 | An improved model to predict thermal runaway in concentrator III-V multi-junction solar cells. *International Journal of Low-Carbon Technologies*, **2018**, 13, 432-437 | 2.8 | 1 |
| 13 | Life cycle assessment of a novel biomass-based aerogel material for building insulation. *Journal of Building Engineering*, **2021**, 44, 102988 | 5.2 | 1 |

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| 12 | Performance investigation of a novel solar direct-drive sweeping gas membrane distillation system with a multi-surface concentrator. *Desalination*, **2022**, 537, 115848 | 10.3 | 1 |
| 11 | Alignment of the initial phase during multiple-wavelength switching in microscopic interferometry. *Optics and Laser Technology*, **2019**, 115, 493-499 | 4.2 | 0 |
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