

List of Publications by Citations

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Version: 2024-04-09

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|-------------------------|----------------|----------------|
| 186 papers | 4,142 citations | 37 h-index | 53 g-index |
| 192 ext. papers | 5,406 ext. citations | 6.3 avg, IF | 6.6 L-index |

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 186 | Review on natural dye sensitized solar cells: Operation, materials and methods. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 51, 1306-1325 | 16.2 | 177 |
| 185 | Optics for concentrating photovoltaics: Trends, limits and opportunities for materials and design. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 394-407 | 16.2 | 148 |
| 184 | Performance enhancement of a Building-Integrated Concentrating Photovoltaic system using phase change material. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 149, 29-39 | 6.4 | 120 |
| 183 | Improving spectral modification for applications in solar cells: A review. <i>Renewable Energy</i> , 2019 , 132, 186-205 | 8.1 | 115 |
| 182 | Performance analysis of tilted photovoltaic system integrated with phase change material under varying operating conditions. <i>Energy</i> , 2017 , 133, 887-899 | 7.9 | 92 |
| 181 | Opportunities and challenges in micro- and nano-technologies for concentrating photovoltaic cooling: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 20, 595-610 | 16.2 | 92 |
| 180 | Optimization of finned solar photovoltaic phase change material (finned pv pcm) system. <i>International Journal of Thermal Sciences</i> , 2018 , 130, 313-322 | 4.1 | 80 |
| 179 | Structural and electronic properties of oxygen defective and Se-doped p-type BiVO ₄ (001) thin film for the applications of photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 895-903 | 21.8 | 79 |
| 178 | A Review of Hybrid Solar PV and Wind Energy System. <i>Smart Science</i> , 2015 , 3, 127-138 | 1.5 | 74 |
| 177 | Enhancing the efficiency of transparent dye-sensitized solar cells using concentrated light. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 175, 29-34 | 6.4 | 74 |
| 176 | Facile Surfactant-Free Synthesis of p-Type SnSe Nanoplates with Exceptional Thermoelectric Power Factors. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6433-7 | 16.4 | 71 |
| 175 | Polypyrrole/TiO ₂ composites for the application of photocatalysis. <i>Sensors and Actuators B: Chemical</i> , 2017 , 241, 1161-1169 | 8.5 | 70 |
| 174 | Optimization of solar photovoltaic system integrated with phase change material. <i>Solar Energy</i> , 2018 , 163, 591-599 | 6.8 | 69 |
| 173 | Performance, limits and economic perspectives for passive cooling of High Concentrator Photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 153, 164-178 | 6.4 | 62 |
| 172 | A Review on Heavy Metal Ions and Containing Dyes Removal Through Graphene Oxide-Based Adsorption Strategies for Textile Wastewater Treatment. <i>Chemical Record</i> , 2021 , 21, 1570-1610 | 6.6 | 59 |
| 171 | Evaluation of thermal performance for a smart switchable adaptive polymer dispersed liquid crystal (PDLC) glazing. <i>Solar Energy</i> , 2020 , 195, 185-193 | 6.8 | 58 |
| 170 | Investigation of thermal and electrical performances of a combined semi-transparent PV-vacuum glazing. <i>Applied Energy</i> , 2018 , 228, 1591-1600 | 10.7 | 56 |

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| 169 | The colour rendering index and correlated colour temperature of dye-sensitized solar cell for adaptive glazing application. <i>Solar Energy</i> , 2018 , 163, 537-544 | 6.8 | 49 |
| 168 | Thermal performance of semitransparent CdTe BIPV window at temperate climate. <i>Solar Energy</i> , 2020 , 195, 536-543 | 6.8 | 49 |
| 167 | Chlorine-Enabled Electron Doping in Solution-Synthesized SnSe Thermoelectric Nanomaterials. <i>Advanced Energy Materials</i> , 2017 , 7, 1602328 | 21.8 | 48 |
| 166 | An analytical indoor experimental study on the effect of soiling on PV, focusing on dust properties and PV surface material. <i>Solar Energy</i> , 2020 , 203, 46-68 | 6.8 | 48 |
| 165 | Integrated semi-transparent cadmium telluride photovoltaic glazing into windows: Energy and daylight performance for different architecture designs. <i>Applied Energy</i> , 2018 , 231, 972-984 | 10.7 | 48 |
| 164 | Numerical studies of thermal comfort for semi-transparent building integrated photovoltaic (BIPV)-vacuum glazing system. <i>Solar Energy</i> , 2019 , 190, 608-616 | 6.8 | 46 |
| 163 | An experimental and numerical study on the effect of inclination angle of phase change materials thermal energy storage system. <i>Journal of Energy Storage</i> , 2019 , 23, 57-68 | 7.8 | 46 |
| 162 | Hydrophilic and Superhydrophilic Self-Cleaning Coatings by Morphologically Varying ZnO Microstructures for Photovoltaic and Glazing Applications. <i>ACS Omega</i> , 2020 , 5, 1033-1039 | 3.9 | 46 |
| 161 | Dust and PV Performance in Nigeria: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 121, 109704 | 16.2 | 45 |
| 160 | Climatic behaviour of solar photovoltaic integrated with phase change material. <i>Energy Conversion and Management</i> , 2018 , 166, 590-601 | 10.6 | 45 |
| 159 | Performance analysis of a novel rotationally asymmetrical compound parabolic concentrator. <i>Applied Energy</i> , 2015 , 154, 221-231 | 10.7 | 43 |
| 158 | Optical characterisation and optimisation of a static Window Integrated Concentrating Photovoltaic system. <i>Solar Energy</i> , 2013 , 91, 273-282 | 6.8 | 42 |
| 157 | Color Comfort Evaluation of Dye-Sensitized Solar Cell (DSSC) Based Building-Integrated Photovoltaic (BIPV) Glazing after 2 Years of Ambient Exposure. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23834-23837 | 3.8 | 41 |
| 156 | Use of Nanofluids in Solar PV/Thermal Systems. <i>International Journal of Photoenergy</i> , 2019 , 2019, 1-17 | 2.1 | 40 |
| 155 | Electronic properties of TaON and its surfaces for solar water splitting. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 24-31 | 21.8 | 39 |
| 154 | Multiple Phase Change Material (PCM) Configuration for PCM-Based Heat Sinks—An Experimental Study. <i>Energies</i> , 2018 , 11, 1629 | 3.1 | 39 |
| 153 | Colour properties and glazing factors evaluation of multicrystalline based semi-transparent Photovoltaic-vacuum glazing for BIPV application. <i>Renewable Energy</i> , 2019 , 131, 730-736 | 8.1 | 39 |
| 152 | Investigation of semi-transparent dye-sensitized solar cells for fenestration integration. <i>Renewable Energy</i> , 2019 , 141, 516-525 | 8.1 | 38 |

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| 151 | Modelling photovoltaic soiling losses through optical characterization. <i>Scientific Reports</i> , 2020 , 10, 58 | 4.9 | 38 |
| 150 | Daylight characteristics of a polymer dispersed liquid crystal switchable glazing. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 174, 572-576 | 6.4 | 37 |
| 149 | Increasing efficiency of perovskite solar cells using low concentrating photovoltaic systems. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 528-537 | 5.8 | 36 |
| 148 | Control Strategy for Uninterrupted Microgrid Mode Transfer During Unintentional Islanding Scenarios. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 4831-4839 | 8.9 | 35 |
| 147 | A >3000 suns high concentrator photovoltaic design based on multiple Fresnel lens primaries focusing to one central solar cell. <i>Solar Energy</i> , 2018 , 169, 457-467 | 6.8 | 34 |
| 146 | Design, fabrication and outdoor performance analysis of a low concentrating photovoltaic system. <i>Solar Energy</i> , 2015 , 112, 361-372 | 6.8 | 33 |
| 145 | Realization of Poly(methyl methacrylate)-Encapsulated Solution-Processed Carbon-Based Solar Cells: An Emerging Candidate for Buildings' Comfort. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 11063-11071 | 3.9 | 33 |
| 144 | Influence of atmospheric clearness on PDLC switchable glazing transmission. <i>Energy and Buildings</i> , 2018 , 172, 257-264 | 7 | 31 |
| 143 | Screening of effective electrolyte additives for zinc-based redox flow battery systems. <i>Journal of Power Sources</i> , 2019 , 412, 44-54 | 8.9 | 31 |
| 142 | Trapping light escaping from the edges of the optical element in a Concentrating Photovoltaic system. <i>Energy Conversion and Management</i> , 2015 , 90, 238-246 | 10.6 | 30 |
| 141 | Investigation of performance and emission characteristics of a biogas fuelled electric generator integrated with solar concentrated photovoltaic system. <i>Renewable Energy</i> , 2016 , 92, 233-243 | 8.1 | 30 |
| 140 | Performance assessment of cadmium telluride-based semi-transparent glazing for power saving in façade buildings. <i>Energy and Buildings</i> , 2020 , 215, 109585 | 7 | 30 |
| 139 | Optical modeling of four Fresnel-based high-CPV units. <i>Solar Energy</i> , 2017 , 155, 805-815 | 6.8 | 29 |
| 138 | Study of COVID-19 pandemic in London (UK) from urban context. <i>Cities</i> , 2020 , 106, 102928 | 5.6 | 29 |
| 137 | Experimental comparison of micro-scaled plate-fins and pin-fins under natural convection. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 75, 59-66 | 5.8 | 29 |
| 136 | Thermal Performance Analysis of Multi-Phase Change Material Layer-Integrated Building Roofs for Energy Efficiency in Built-Environment. <i>Energies</i> , 2017 , 10, 1367 | 3.1 | 28 |
| 135 | Theoretical investigation considering manufacturing errors of a high concentrating photovoltaic of cassegrain design and its experimental validation. <i>Solar Energy</i> , 2016 , 131, 235-245 | 6.8 | 28 |
| 134 | Performance of WO-Incorporated Carbon Electrodes for Ambient Mesoscopic Perovskite Solar Cells. <i>ACS Omega</i> , 2020 , 5, 422-429 | 3.9 | 28 |

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| 133 | Optimization of fins fitted phase change material equipped solar photovoltaic under various working circumstances. <i>Energy Conversion and Management</i> , 2019 , 180, 1185-1195 | 10.6 | 28 |
| 132 | Carbon counter electrode mesoscopic ambient processed & characterised perovskite for adaptive BIPV fenestration. <i>Renewable Energy</i> , 2020 , 145, 2151-2158 | 8.1 | 28 |
| 131 | Donor-acceptor polymer for the design of All-Solid-State dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2017 , 696, 914-922 | 5.7 | 27 |
| 130 | White butterflies as solar photovoltaic concentrators. <i>Scientific Reports</i> , 2015 , 5, 12267 | 4.9 | 27 |
| 129 | DSSC system based on zinc porphyrin dyes for dye-sensitized solar cells: Combined experimental and DFT/TDDFT study. <i>Polyhedron</i> , 2015 , 100, 313-320 | 2.7 | 26 |
| 128 | Plate Micro-fins in Natural Convection: An Opportunity for Passive Concentrating Photovoltaic Cooling. <i>Energy Procedia</i> , 2015 , 82, 301-308 | 2.3 | 26 |
| 127 | Soft-template synthesis of high surface area mesoporous titanium dioxide for dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2019 , 43, 523-534 | 4.5 | 25 |
| 126 | Effect of climate on electrical performance of finned phase change material integrated solar photovoltaic. <i>Solar Energy</i> , 2018 , 174, 593-605 | 6.8 | 25 |
| 125 | Correlating photovoltaic soiling losses to waveband and single-value transmittance measurements. <i>Energy</i> , 2019 , 180, 376-386 | 7.9 | 24 |
| 124 | Electrical enhancement period of solar photovoltaic using phase change material. <i>Journal of Cleaner Production</i> , 2019 , 221, 878-884 | 10.3 | 24 |
| 123 | Temperature regulation of concentrating photovoltaic window using argon gas and polymer dispersed liquid crystal films. <i>Renewable Energy</i> , 2021 , 164, 96-108 | 8.1 | 24 |
| 122 | Enhanced Efficiency of Carbon-Based Mesoscopic Perovskite Solar Cells through a Tungsten Oxide Nanoparticle Additive in the Carbon Electrode. <i>Scientific Reports</i> , 2019 , 9, 8778 | 4.9 | 23 |
| 121 | Applicability of silicon micro-finned heat sinks for 500 \times concentrating photovoltaics systems. <i>Journal of Materials Science</i> , 2015 , 50, 5378-5388 | 4.3 | 23 |
| 120 | Experimental and Numerical Thermal Analysis of Multi-Layered Microchannel Heat Sink for Concentrating Photovoltaic Application. <i>Energies</i> , 2019 , 12, 122 | 3.1 | 23 |
| 119 | Analysis of the daylight performance of window integrated photovoltaics systems. <i>Renewable Energy</i> , 2020 , 145, 153-163 | 8.1 | 23 |
| 118 | General correlations among geometry, orientation and thermal performance of natural convective micro-finned heat sinks. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 91, 711-724 | 4.9 | 22 |
| 117 | Coupled heat transfer performance of a high temperature cup shaped porous absorber. <i>Energy Conversion and Management</i> , 2016 , 110, 327-337 | 10.6 | 22 |
| 116 | Performance analysis of perovskite and dye-sensitized solar cells under varying operating conditions and comparison with monocrystalline silicon cell. <i>Applied Thermal Engineering</i> , 2017 , 127, 559-565 | 5.8 | 22 |

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| 115 | Perovskite Solar Cells for BIPV Application: A Review. <i>Buildings</i> , 2020 , 10, 129 | 3.2 | 22 |
| 114 | Enhanced Photoactivity and Hydrogen Generation of LaFeO ₃ Photocathode by Plasmonic Silver Nanoparticle Incorporation. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3449-3456 | 6.1 | 21 |
| 113 | Enhanced performance of natural dye sensitised solar cells fabricated using rutile TiO ₂ nanorods. <i>Optical Materials</i> , 2016 , 58, 76-83 | 3.3 | 21 |
| 112 | Supervisory Control for Power Management of an Islanded AC Microgrid Using a Frequency Signalling-Based Fuzzy Logic Controller. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 94-104 | 8.2 | 21 |
| 111 | Investigations on Performance Enhancement Measures of the Bidirectional Converter in PV-Wind Interconnected Microgrid System. <i>Energies</i> , 2019 , 12, 2672 | 3.1 | 19 |
| 110 | Perceiving the temperature coefficients of carbon-based perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 6283-6298 | 5.8 | 19 |
| 109 | Conceptual design and performance evaluation of a hybrid concentrating photovoltaic system in preparation for energy. <i>Energy</i> , 2018 , 147, 547-560 | 7.9 | 18 |
| 108 | Incorporating Solution-Processed Mesoporous WO ₃ as an Interfacial Cathode Buffer Layer for Photovoltaic Applications. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5709-5719 | 2.8 | 17 |
| 107 | Thermal effectiveness and mass usage of horizontal micro-fins under natural convection. <i>Applied Thermal Engineering</i> , 2016 , 97, 39-47 | 5.8 | 17 |
| 106 | Influence of spectrum and latitude on the annual optical performance of a dielectric based BICPV system. <i>Solar Energy</i> , 2016 , 124, 268-277 | 6.8 | 17 |
| 105 | Development, indoor characterisation and comparison to optical modelling of four Fresnel-based high-CPV units equipped with refractive secondary optics. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 186, 273-283 | 6.4 | 17 |
| 104 | Evaluation of solar factor using spectral analysis for CdTe photovoltaic glazing. <i>Materials Letters</i> , 2019 , 237, 332-335 | 3.3 | 17 |
| 103 | Performance evaluation of single multi-junction solar cell for high concentrator photovoltaics using minichannel heat sink with nanofluids. <i>Applied Thermal Engineering</i> , 2021 , 182, 115868 | 5.8 | 17 |
| 102 | Prototype fabrication and experimental investigation of a conjugate refractive reflective homogeniser in a cassegrain concentrator. <i>Solar Energy</i> , 2017 , 142, 97-108 | 6.8 | 16 |
| 101 | Design and analysis of dense array CPV receiver for square parabolic dish system with CPC array as secondary concentrator. <i>Solar Energy</i> , 2020 , 199, 782-795 | 6.8 | 16 |
| 100 | Density Functional Theory Study of Selenium-Substituted Low-Bandgap Donor-Acceptor-Donor Polymer. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 27200-27211 | 3.8 | 16 |
| 99 | A novel absorptive/reflective solar concentrator for heat and electricity generation: An optical and thermal analysis. <i>Energy Conversion and Management</i> , 2016 , 114, 142-153 | 10.6 | 16 |
| 98 | Plasmonic nickel nanoparticles decorated on to LaFeO ₃ photocathode for enhanced solar hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 578-586 | 6.7 | 16 |

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| 97 | Performance Analysis of Models for Calculating the Maximum Power of High Concentrator Photovoltaic Modules. <i>IEEE Journal of Photovoltaics</i> , 2015 , 5, 947-955 | 3.7 | 15 |
| 96 | Ultralight three-dimensional, carbon-based nanocomposites for thermal energy storage. <i>Journal of Materials Science and Technology</i> , 2020 , 36, 70-78 | 9.1 | 15 |
| 95 | Indoor and outdoor characterization of concentrating photovoltaic attached to multi-layered microchannel heat sink. <i>Solar Energy</i> , 2020 , 202, 55-72 | 6.8 | 15 |
| 94 | Ba ₆ B _x Nd _{8+2x} Ti ₁₈ O ₅₄ Tungsten Bronze: A New High-Temperature n-Type Oxide Thermoelectric. <i>Journal of Electronic Materials</i> , 2016 , 45, 1894-1899 | 1.9 | 14 |
| 93 | Estimation of the performance limits of a concentrator solar cell coupled with a micro heat sink based on a finite element simulation. <i>Applied Thermal Engineering</i> , 2020 , 176, 115315 | 5.8 | 14 |
| 92 | Experimental investigation of solar photovoltaic panel integrated with phase change material and multiple conductivity-enhancing-containers. <i>Energy</i> , 2020 , 205, 118047 | 7.9 | 13 |
| 91 | Power improvement of finned solar photovoltaic phase change material system. <i>Energy</i> , 2020 , 193, 116735 | 7.5 | 13 |
| 90 | Advances and limitations of increasing solar irradiance for concentrating photovoltaics thermal system. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 138, 110517 | 16.2 | 13 |
| 89 | Enhanced efficiency for building integrated concentrator photovoltaic modules based on rare earth doped optics. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 199, 83-90 | 6.4 | 12 |
| 88 | Optimisation of the performance of a novel rotationally asymmetrical optical concentrator design for building integrated photovoltaic system. <i>Energy</i> , 2015 , 90, 1033-1045 | 7.9 | 12 |
| 87 | A review on applications of Cu ₂ ZnSnS ₄ as alternative counter electrodes in dye-sensitized solar cells. <i>AIP Advances</i> , 2018 , 8, 070701 | 1.5 | 12 |
| 86 | Thermal analysis of a multi-layer microchannel heat sink for cooling concentrator photovoltaic (CPV) cells 2017 , | | 12 |
| 85 | Effect of Spectral Irradiance Variations on the Performance of Highly Efficient Environment-Friendly Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2015 , 5, 1150-1157 | 3.7 | 11 |
| 84 | Theoretical Investigation of the Temperature Limits of an Actively Cooled High Concentration Photovoltaic System. <i>Energies</i> , 2020 , 13, 1902 | 3.1 | 11 |
| 83 | Morphology tuned BaSnO ₃ active layer for ambient perovskite solar cells. <i>Materials Letters</i> , 2018 , 219, 166-169 | 3.3 | 11 |
| 82 | Enhancing ultra-high CPV passive cooling using least-material finned heat sinks 2015 , | | 11 |
| 81 | Enhancing the performance of BICPV systems using phase change materials 2015 , | | 11 |
| 80 | Improved Reactive Power Sharing for Parallel-operated Inverters in Islanded Microgrids. <i>Journal of Power Electronics</i> , 2016 , 16, 1152-1162 | 0.9 | 11 |

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| 79 | Experimental and numerical study on the effect of multiple phase change materials thermal energy storage system. <i>Journal of Energy Storage</i> , 2021 , 36, 102226 | 7.8 | 11 |
| 78 | Deformation of receiver in solar parabolic trough collector due to non uniform temperature and solar flux distribution and use of bimetallic absorber tube with multiple supports. <i>Energy</i> , 2018 , 165, 1078-1088 | 7.9 | 11 |
| 77 | Highly conductive double perovskite oxides A ₂ LuTaO ₆ (A = Ba, Sr, Ca) as promising photoanode material for dye sensitized solar cells. <i>Materials Letters</i> , 2020 , 276, 128220 | 3.3 | 9 |
| 76 | Impact of different light induced effect on organic hole-transporting layer in perovskite solar cells. <i>Materials Letters</i> , 2020 , 268, 127568 | 3.3 | 9 |
| 75 | Synergistic effect of nanoflower-like CdS for removal of highly toxic aqueous Cr(VI). <i>Materials Letters</i> , 2020 , 270, 127734 | 3.3 | 9 |
| 74 | Performance analysis of a solar window incorporating a novel rotationally asymmetrical concentrator. <i>Energy</i> , 2016 , 99, 181-192 | 7.9 | 9 |
| 73 | Role of Hafnium Doping on Wetting Transition Tuning the Wettability Properties of ZnO and Doped Thin Films: Self-Cleaning Coating for Solar Application. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25540-25552 | 9.5 | 9 |
| 72 | Thermal stress in bimetallic receiver of solar parabolic trough concentrator induced due to non uniform temperature and solar flux distribution. <i>Solar Energy</i> , 2018 , 176, 301-311 | 6.8 | 9 |
| 71 | Charge transfer mechanics in transparent dye-sensitised solar cells under low concentration. <i>Materials Letters</i> , 2018 , 222, 78-81 | 3.3 | 8 |
| 70 | Modelling and experimental analysis of a seasonally tracked V-trough PV/T system in India. <i>Solar Energy</i> , 2018 , 170, 618-632 | 6.8 | 8 |
| 69 | A small signal model of an inverter-based microgrid including DC link voltages 2015 , | | 7 |
| 68 | Techno-Economic Investigation of Solar Powered Electric Auto-Rickshaw for a Sustainable Transport System. <i>Energies</i> , 2017 , 10, 754 | 3.1 | 7 |
| 67 | A comprehensive review of air gap membrane distillation process 2010 , 27-64 | | 7 |
| 66 | Effect of using an infrared filter on the performance of a silicon solar cell for an ultra-high concentrator photovoltaic system. <i>Materials Letters</i> , 2020 , 277, 128332 | 3.3 | 7 |
| 65 | Emplacement of screen-printed graphene oxide coating for building thermal comfort discernment. <i>Scientific Reports</i> , 2020 , 10, 15578 | 4.9 | 7 |
| 64 | Experimental and Theoretical Research on Bending Behavior of Photovoltaic Panels with a Special Boundary Condition. <i>Energies</i> , 2018 , 11, 3435 | 3.1 | 7 |
| 63 | Understanding the Semi-Switchable Thermochromic Behavior of Mixed Halide Hybrid Perovskite Nanorods. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18058-18070 | 3.8 | 7 |
| 62 | Simulation study for a switchable adaptive polymer dispersed liquid crystal smart window for two climate zones (Riyadh and London). <i>Energy and Buildings</i> , 2021 , 251, 111381 | 7 | 7 |

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| 61 | Optical losses and durability of flawed Fresnel lenses for concentrated photovoltaic application. <i>Materials Letters</i> , 2020 , 275, 128145 | 3.3 | 6 |
| 60 | DC microgrid power coordination based on fuzzy logic control 2016 , | | 6 |
| 59 | Graphene as a pre-illumination cooling approach for a concentrator photovoltaic (CPV) system. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 222, 110922 | 6.4 | 6 |
| 58 | Experimental Investigations for Dust build-up on Low-Iron Glass exterior and its effects on the performance of Solar PV systems. <i>Energy</i> , 2021 , 122213 | 7.9 | 6 |
| 57 | Solar Photovoltaic Panels with Finned Phase Change Material Heat Sinks. <i>Energies</i> , 2020 , 13, 2558 | 3.1 | 5 |
| 56 | Conjugate refractive reflective homogeniser in a 500 \times Cassegrain concentrator: design and limits. <i>IET Renewable Power Generation</i> , 2016 , 10, 440-447 | 2.9 | 5 |
| 55 | Performance Comparison of a Freeform Lens and a CDTIRO When Combined With an LED. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-8 | 1.8 | 5 |
| 54 | Scalable solar thermoelectrics and photovoltaics (SUNTRAP) 2016 , | | 5 |
| 53 | In-situ assessment of photovoltaic soiling mitigation techniques in northern Nigeria. <i>Energy Conversion and Management</i> , 2021 , 244, 114442 | 10.6 | 5 |
| 52 | Soiling on PV performance influenced by weather parameters in Northern Nigeria. <i>Renewable Energy</i> , 2021 , 180, 874-892 | 8.1 | 5 |
| 51 | An experimental analysis of the optical, thermal and power to weight performance of plastic and glass optics with AR coatings for embedded CPV windows. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 200, 110027 | 6.4 | 4 |
| 50 | Optical study of a cocktail structural Space-based Solar Power Station. <i>Solar Energy</i> , 2019 , 194, 156-166 | 6.8 | 4 |
| 49 | Potential of Implementing the Low Concentration Photovoltaic Systems in the United Kingdom. <i>International Journal of Electrical and Computer Engineering</i> , 2017 , 7, 1398 | 1.4 | 4 |
| 48 | Thermal regulation of building-integrated concentrating photovoltaic system using phase change material 2016 , | | 4 |
| 47 | An optimisation of a freeform lens design for LED street lighting 2016 , | | 4 |
| 46 | Electricity enhancement and thermal energy production from concentrated photovoltaic integrated with a 3-layered stacked micro-channel heat sink 2018 , | | 4 |
| 45 | Photovoltaic system integrated with phase change material for South west UK climate 2018 , | | 4 |
| 44 | Experimental performance investigations of an elliptical hyperbolic non-imaging solar concentrator with trapezoidal surface receiver for process heat applications. <i>Journal of Cleaner Production</i> , 2018 , 192, 735-750 | 10.3 | 4 |

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| 43 | Evaluation of concentrating photovoltaic performance under different homogeniser materials. <i>Materials Letters</i> , 2019 , 241, 219-222 | 3.3 | 3 |
| 42 | Rotationally asymmetric optical concentrators for solar PV and BIPV systems 2013 , | | 3 |
| 41 | Thermal performance evaluation and energy saving potential of semi-transparent CdTe in Faade BIPV. <i>Solar Energy</i> , 2022 , 232, 84-91 | 6.8 | 3 |
| 40 | State-of-the-Art Review on the Energy Performance of Semi-Transparent Building Integrated Photovoltaic across a Range of Different Climatic and Environmental Conditions. <i>Energies</i> , 2021 , 14, 3412 | 3.1 | 3 |
| 39 | Cu ₂ ZnSnS ₄ , a Fascinating Counter Electrode for TiO ₂ -Free Dye-Sensitized Solar Cells. <i>ChemistrySelect</i> , 2021 , 6, 1541-1547 | 1.8 | 3 |
| 38 | Fins integrated phase change material for solar photovoltaic for South East United Kingdom 2019 , | | 2 |
| 37 | Hydrogen-Rich Syngas from Jatropha curcas Shell Biomass Char in Fresnel Lens Solar Concentrator Assembly. <i>Energy & Fuels</i> , 2017 , 31, 8335-8347 | 4.1 | 2 |
| 36 | Optical and heat transfer performance of a novel non-imaging concentrator 2015 , | | 2 |
| 35 | Spectral losses of high concentrator photovoltaic modules depending on latitude 2015 , | | 2 |
| 34 | Optimization of the least-material approach for passive Ultra-High CPV cooling 2015 , | | 2 |
| 33 | Design and production of a 2.5 kWe insulated metal substrate-based densely packed CPV assembly 2014 , | | 2 |
| 32 | Producing uniform illumination within a rectangular area by using a nonimaging optic. <i>Applied Optics</i> , 2018 , 57, 9357-9364 | 1.7 | 2 |
| 31 | Cotton soot derived carbon nanoparticles for NiO supported processing temperature tuned ambient perovskite solar cells. <i>Scientific Reports</i> , 2021 , 11, 23388 | 4.9 | 2 |
| 30 | Performance Improvement of a CPV System: Experimental Investigation into Passive Cooling with Phase Change Materials. <i>Energies</i> , 2021 , 14, 3550 | 3.1 | 2 |
| 29 | Indoor characterization of a reflective type 3D LCPV system 2016 , | | 2 |
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