

Naveed Rehman

List of Publications by Year in descending order

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33
papers

318
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840119

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940134

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34
times ranked

242
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | An optical-energy model for optimizing the geometrical layout of solar photovoltaic arrays in a constrained field. <i>Renewable Energy</i> , 2020, 149, 55-65. | 4.3 | 28 |
| 2 | Recent research on composite beams with demountable shear connectors. <i>Steel Construction</i> , 2017, 10, 125-134. | 0.4 | 27 |
| 3 | Optical-irradiance ray-tracing model for the performance analysis and optimization of a facade integrated solar collector with a flat booster reflector. <i>Solar Energy</i> , 2018, 173, 1207-1215. | 2.9 | 21 |
| 4 | A novel method for determining sky view factor for isotropic diffuse radiations for a collector in obstacles-free or urban sites. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, 033110. | 0.8 | 19 |
| 5 | Performance Model and Sensitivity Analysis for a Solar Thermoelectric Generator. <i>Journal of Electronic Materials</i> , 2017, 46, 1794-1805. | 1.0 | 17 |
| 6 | Solar energy potential estimation by calculating sun illumination hours and sky view factor on building rooftops using digital elevation model. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, . | 0.8 | 17 |
| 7 | Evaluating the solar flux distribution uniformity factor for parabolic trough collectors. <i>Renewable Energy</i> , 2020, 157, 888-896. | 4.3 | 16 |
| 8 | Solar potential assessment of public bus routes for solar buses. <i>Renewable Energy</i> , 2020, 156, 193-200. | 4.3 | 16 |
| 9 | Optical analysis of a novel collector design for a solar concentrated thermoelectric generator. <i>Solar Energy</i> , 2018, 167, 116-124. | 2.9 | 15 |
| 10 | Critical Concentration Ratio for Solar Thermoelectric Generators. <i>Journal of Electronic Materials</i> , 2016, 45, 5285-5296. | 1.0 | 14 |
| 11 | Testing of composite beam with demountable shear connectors. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2018, 171, 3-16. | 0.4 | 14 |
| 12 | Optical-irradiance ray-tracing model for the performance analysis and optimization of a single slope solar still. <i>Desalination</i> , 2019, 457, 22-31. | 4.0 | 11 |
| 13 | Solar feed water heating feasibility for a conventional steam power plant. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 3573-3580. | 0.7 | 10 |
| 14 | Numerical investigation of heat transfer by an impinging jet using alumina-water nanofluid. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018, 74, 1486-1502. | 1.2 | 10 |
| 15 | Optimizing the inclined field for solar photovoltaic arrays. <i>Renewable Energy</i> , 2020, 153, 280-289. | 4.3 | 10 |
| 16 | Intercept Factor for a Beam-Down Parabolic Trough Collector. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2021, 143, . | 1.1 | 10 |
| 17 | Sensitivity analysis of capital and energy production cost for off-grid building integrated photovoltaic systems. <i>Renewable Energy</i> , 2022, 186, 195-206. | 4.3 | 9 |
| 18 | Probabilistic approach for estimating heat fluid exit temperature correlation in a linear parabolic trough solar collector. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 447-453. | 0.7 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The proper interpretation of analytical sky view factors for isotropic diffuse solar irradiance on tilted planes. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, 053702. | 0.8 | 7 |
| 20 | A novel methodology for determining sky blocking by obstacles viewed virtually from any location on site. <i>Energy and Buildings</i> , 2016, 128, 827-833. | 3.1 | 6 |
| 21 | Optical Design of a Novel Polygonal Trough Collector for Solar Concentrating Photovoltaic Applications. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2963-2973. | 1.7 | 6 |
| 22 | Regression Models and Sensitivity Analysis for the Thermal Performance of Solar Flat-Plate Collectors. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 1119-1127. | 1.7 | 5 |
| 23 | Concentrator shape optimization using particle swarm optimization for solar concentrating photovoltaic applications. <i>Renewable Energy</i> , 2022, 184, 1043-1054. | 4.3 | 5 |
| 24 | Optimal Layout for Façade-Mounted Solar Photovoltaic Arrays in Constrained Fields. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2021, 143, . | 1.1 | 3 |
| 25 | Theoretical and Field Experimental Investigation of an Arrayed Solar Thermoelectric Flat-Plate Generator. <i>Journal of Electronic Materials</i> , 2018, 47, 4742-4756. | 1.0 | 2 |
| 26 | Solar resource assessment of modern parking machines in an urban environment. <i>Renewable Energy</i> , 2020, 149, 1406-1413. | 4.3 | 2 |
| 27 | Vertical Farms With Integrated Solar Photovoltaics. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2022, 144, . | 1.1 | 2 |
| 28 | Comparison of North/South- and East-West-Facing Solar Collector Pairs With or Without Reflectors. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2022, 144, . | 1.1 | 2 |
| 29 | Hemispherical Photographs: A Review of Acquisition Methods and Applications in the Context of Urban Energy and Environment Assessments. , 2022, 1, . | | 2 |
| 30 | Performance Modeling and Experimental Investigation of Parasitic Losses in a Flat-Panel Solar Thermoelectric Generator. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5589-5602. | 1.7 | 1 |
| 31 | Hybrid Ray Tracing Model and Particle Swarm Optimization for the Performance of an Internally Reflecting Solar Still with a Booster Reflector. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2021-2032. | 1.7 | 1 |
| 32 | EFFECTS OF RECEIVER MISALIGNMENT ON THE INTERCEPT FACTOR OF PARABOLIC TROUGH COLLECTORS. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 0, , 1-22. | 1.1 | 1 |
| 33 | Making the Urban Sky View Factor With Numerical Models Consistent With Radiation Heat Transfer Theory. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2022, 144, . | 1.1 | 0 |