

Naveed Rehman

List of Publications by Year in descending order

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docs citations

34
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical Farms With Integrated Solar Photovoltaics. Journal of Solar Energy Engineering, Transactions of the ASME, 2022, 144, .	1.1	2
2	Comparison of North/South- and Eastâ€“West-Facing Solar Collector Pairs With or Without Reflectors. Journal of Solar Energy Engineering, Transactions of the ASME, 2022, 144, .	1.1	2
3	Concentrator shape optimization using particle swarm optimization for solar concentrating photovoltaic applications. Renewable Energy, 2022, 184, 1043-1054.	4.3	5
4	Sensitivity analysis of capital and energy production cost for off-grid building integrated photovoltaic systems. Renewable Energy, 2022, 186, 195-206.	4.3	9
5	Hemispherical Photographs: A Review of Acquisition Methods and Applications in the Context of Urban Energy and Environment Assessments. , 2022, 1, .		2
6	Making the Urban Sky View Factor With Numerical Models Consistent With Radiation Heat Transfer Theory. Journal of Solar Energy Engineering, Transactions of the ASME, 2022, 144, .	1.1	0
7	Hybrid Ray Tracing Model and Particle Swarm Optimization for the Performance of an Internally Reflecting Solar Still with a Booster Reflector. Arabian Journal for Science and Engineering, 2021, 46, 2021-2032.	1.7	1
8	Optical Design of a Novel Polygonal Trough Collector for Solar Concentrating Photovoltaic Applications. Arabian Journal for Science and Engineering, 2021, 46, 2963-2973.	1.7	6
9	Intercept Factor for a Beam-Down Parabolic Trough Collector. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.1	10
10	Optimal Layout for FaÃ§ade-Mounted Solar Photovoltaic Arrays in Constrained Fields. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.1	3
11	An optical-energy model for optimizing the geometrical layout of solar photovoltaic arrays in a constrained field. Renewable Energy, 2020, 149, 55-65.	4.3	28
12	Solar resource assessment of modern parking machines in an urban environment. Renewable Energy, 2020, 149, 1406-1413.	4.3	2
13	Evaluating the solar flux distribution uniformity factor for parabolic trough collectors. Renewable Energy, 2020, 157, 888-896.	4.3	16
14	Optimizing the inclined field for solar photovoltaic arrays. Renewable Energy, 2020, 153, 280-289.	4.3	10
15	Solar potential assessment of public bus routes for solar buses. Renewable Energy, 2020, 156, 193-200.	4.3	16
16	Regression Models and Sensitivity Analysis for the Thermal Performance of Solar Flat-Plate Collectors. Arabian Journal for Science and Engineering, 2019, 44, 1119-1127.	1.7	5
17	Optical-irradiance ray-tracing model for the performance analysis and optimization of a single slope solar still. Desalination, 2019, 457, 22-31.	4.0	11
18	Performance Modeling and Experimental Investigation of Parasitic Losses in a Flat-Panel Solar Thermoelectric Generator. Arabian Journal for Science and Engineering, 2019, 44, 5589-5602.	1.7	1

#	ARTICLE	IF	CITATIONS
19	Optical analysis of a novel collector design for a solar concentrated thermoelectric generator. <i>Solar Energy</i> , 2018, 167, 116-124.	2.9	15
20	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
21	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
22	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
23	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
24	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
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	Performance Model and Sensitivity Analysis for a Solar Thermoelectric Generator. <i>Journal of Electronic Materials</i> , 2017, 46, 1794-1805.	1.0	17
27	Recent research on composite beams with demountable shear connectors. <i>Steel Construction</i> , 2017, 10, 125-134.	0.4	27
28	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
29	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
30	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
31	Critical Concentration Ratio for Solar Thermoelectric Generators. <i>Journal of Electronic Materials</i> , 2016, 45, 5285-5296.	1.0	14
32	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
33	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