

Naveed Rehman

List of Publications by Year in descending order

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docs citations

34
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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, .	1.8	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, .	1.8	2
3	Concentrator shape optimization using particle swarm optimization for solar concentrating photovoltaic applications. Renewable Energy, 2022, 184, 1043-1054.	8.9	5
4	Sensitivity analysis of capital and energy production cost for off-grid building integrated photovoltaic systems. Renewable Energy, 2022, 186, 195-206.	8.9	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, .	1.8	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.	3.0	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.	3.0	6
9	Intercept Factor for a Beam-Down Parabolic Trough Collector. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.8	10
10	Optimal Layout for Façade-Mounted Solar Photovoltaic Arrays in Constrained Fields. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.8	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.	8.9	28
12	Solar resource assessment of modern parking machines in an urban environment. Renewable Energy, 2020, 149, 1406-1413.	8.9	2
13	Evaluating the solar flux distribution uniformity factor for parabolic trough collectors. Renewable Energy, 2020, 157, 888-896.	8.9	16
14	Optimizing the inclined field for solar photovoltaic arrays. Renewable Energy, 2020, 153, 280-289.	8.9	10
15	Solar potential assessment of public bus routes for solar buses. Renewable Energy, 2020, 156, 193-200.	8.9	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.	3.0	5
17	Optical-irradiance ray-tracing model for the performance analysis and optimization of a single slope solar still. Desalination, 2019, 457, 22-31.	8.2	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.	3.0	1

#	ARTICLE	IF	CITATIONS
19	Optical analysis of a novel collector design for a solar concentrated thermoelectric generator. Solar Energy, 2018, 167, 116-124.	6.1	15
20	Probabilistic approach for estimating heat fluid exit temperature correlation in a linear parabolic trough solar collector. Journal of Mechanical Science and Technology, 2018, 32, 447-453.	1.5	8
21	Solar energy potential estimation by calculating sun illumination hours and sky view factor on building rooftops using digital elevation model. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	17
22	Testing of composite beam with demountable shear connectors. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2018, 171, 3-16.	0.8	14
23	Numerical investigation of heat transfer by an impinging jet using alumina-water nanofluid. Numerical Heat Transfer; Part A: Applications, 2018, 74, 1486-1502.	2.1	10
24	Optical-irradiance ray-tracing model for the performance analysis and optimization of a faade integrated solar collector with a flat booster reflector. Solar Energy, 2018, 173, 1207-1215.	6.1	21
25	Theoretical and Field Experimental Investigation of an Arrayed Solar Thermoelectric Flat-Plate Generator. Journal of Electronic Materials, 2018, 47, 4742-4756.	2.2	2
26	Performance Model and Sensitivity Analysis for a Solar Thermoelectric Generator. Journal of Electronic Materials, 2017, 46, 1794-1805.	2.2	17
27	Recent research on composite beams with demountable shear connectors. Steel Construction, 2017, 10, 125-134.	0.8	27
28	The proper interpretation of analytical sky view factors for isotropic diffuse solar irradiance on tilted planes. Journal of Renewable and Sustainable Energy, 2017, 9, 053702.	2.0	7
29	Solar feed water heating feasibility for a conventional steam power plant. Journal of Mechanical Science and Technology, 2017, 31, 3573-3580.	1.5	10
30	A novel methodology for determining sky blocking by obstacles viewed virtually from any location on site. Energy and Buildings, 2016, 128, 827-833.	6.7	6
31	Critical Concentration Ratio for Solar Thermoelectric Generators. Journal of Electronic Materials, 2016, 45, 5285-5296.	2.2	14
32	A novel method for determining sky view factor for isotropic diffuse radiations for a collector in obstacles-free or urban sites. Journal of Renewable and Sustainable Energy, 2015, 7, 033110.	2.0	19
33	EFFECTS OF RECEIVER MISALIGNMENT ON THE INTERCEPT FACTOR OF PARABOLIC TROUGH COLLECTORS. Journal of Solar Energy Engineering, Transactions of the ASME, 0, , 1-22.	1.8	1