

# Naveed Rehman

## List of Publications by Year in descending order

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33  
papers

318  
citations

840776  
11  
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940533  
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34  
all docs

34  
docs citations

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. Renewable Energy, 2020, 149, 55-65.	8.9	28
2	Recent research on composite beams with demountable shear connectors. Steel Construction, 2017, 10, 125-134.	0.8	27
3	Optical-irradiance ray-tracing model for the performance analysis and optimization of a façade integrated solar collector with a flat booster reflector. Solar Energy, 2018, 173, 1207-1215.	6.1	21
4	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
5	Performance Model and Sensitivity Analysis for a Solar Thermoelectric Generator. Journal of Electronic Materials, 2017, 46, 1794-1805.	2.2	17
6	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
7	Evaluating the solar flux distribution uniformity factor for parabolic trough collectors. Renewable Energy, 2020, 157, 888-896.	8.9	16
8	Solar potential assessment of public bus routes for solar buses. Renewable Energy, 2020, 156, 193-200.	8.9	16
9	Optical analysis of a novel collector design for a solar concentrated thermoelectric generator. Solar Energy, 2018, 167, 116-124.	6.1	15
10	Critical Concentration Ratio for Solar Thermoelectric Generators. Journal of Electronic Materials, 2016, 45, 5285-5296.	2.2	14
11	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
12	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
13	Solar feed water heating feasibility for a conventional steam power plant. Journal of Mechanical Science and Technology, 2017, 31, 3573-3580.	1.5	10
14	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
15	Optimizing the inclined field for solar photovoltaic arrays. Renewable Energy, 2020, 153, 280-289.	8.9	10
16	Intercept Factor for a Beam-Down Parabolic Trough Collector. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.8	10
17	Sensitivity analysis of capital and energy production cost for off-grid building integrated photovoltaic systems. Renewable Energy, 2022, 186, 195-206.	8.9	9
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	Concentrator shape optimization using particle swarm optimization for solar concentrating photovoltaic applications. Renewable Energy, 2022, 184, 1043-1054.	8.9	5
24	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
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	Solar resource assessment of modern parking machines in an urban environment. Renewable Energy, 2020, 149, 1406-1413.	8.9	2
27	Vertical Farms With Integrated Solar Photovoltaics. Journal of Solar Energy Engineering, Transactions of the ASME, 2022, 144, .	1.8	2
28	Comparison of North/South- and East-West-Facing Solar Collector Pairs With or Without Reflectors. Journal of Solar Energy Engineering, Transactions of the ASME, 2022, 144, .	1.8	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. Arabian Journal for Science and Engineering, 2019, 44, 5589-5602.	3.0	1
31	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
32	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
33	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