

Mengying

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

535
citations

840776

11
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

515
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time forecasting of solar irradiance ramps with smart image processing. <i>Solar Energy</i> , 2015, 114, 91-104.	6.1	112
2	Real-time prediction intervals for intra-hour DNI forecasts. <i>Renewable Energy</i> , 2015, 83, 234-244.	8.9	77
3	On the determination of atmospheric longwave irradiance under all-sky conditions. <i>Solar Energy</i> , 2017, 144, 40-48.	6.1	57
4	Quantitative evaluation of the impact of cloud transmittance and cloud velocity on the accuracy of short-term DNI forecasts. <i>Renewable Energy</i> , 2016, 86, 1362-1371.	8.9	45
5	Sun-tracking imaging system for intra-hour DNI forecasts. <i>Renewable Energy</i> , 2016, 96, 792-799.	8.9	44
6	Radiative cooling resource maps for the contiguous United States. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	2.0	31
7	Intra-hour irradiance forecasting techniques for solar power integration: A review. <i>IScience</i> , 2021, 24, 103136.	4.1	27
8	On the effective spectral emissivity of clear skies and the radiative cooling potential of selectively designed materials. <i>International Journal of Heat and Mass Transfer</i> , 2019, 135, 1053-1062.	4.8	26
9	Comparative Analysis of Power Plant Options for Enhanced Geothermal Systems (EGS). <i>Energies</i> , 2014, 7, 8427-8445.	3.1	25
10	Analysis of Hydraulic Fracturing and Reservoir Performance in Enhanced Geothermal Systems. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2015, 137, .	2.3	24
11	Spectral model for clear sky atmospheric longwave radiation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 209, 196-211.	2.3	12
12	Energy analysis for guiding the design of well systems of deep Enhanced Geothermal Systems. <i>Energy</i> , 2015, 93, 1173-1188.	8.8	11
13	A network of sky imagers for spatial solar irradiance assessment. <i>Renewable Energy</i> , 2022, 187, 1009-1019.	8.9	8
14	Estimation of high-resolution solar irradiance data using optimized semi-empirical satellite method and GOES-16 imagery. <i>Solar Energy</i> , 2022, 241, 404-415.	6.1	8
15	Capacitive charging and desalination dynamics of a packed-bed reactor. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7181-7195.	2.8	7
16	SCOPE: Spectral cloud optical property estimation using real-time GOES-R longwave imagery. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, 026501.	2.0	6
17	Anisotropic corrections for the downwelling radiative heat transfer flux from various types of aerosols. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 1006-1016.	4.8	4
18	On Radiation-Based Thermal Servoing: New Models, Controls, and Experiments. <i>IEEE Transactions on Robotics</i> , 2022, 38, 1945-1958.	10.3	4

#	ARTICLE	IF	CITATIONS
19	Improved turbidity estimation from local meteorological data for solar resourcing and forecasting applications. <i>Renewable Energy</i> , 2022, 189, 259-272.	8.9	4
20	Spectral solar irradiance on inclined surfaces: A fast Monte Carlo approach. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, .	2.0	2
21	A time of transition: Stories from starting a new research program in 2020. <i>IScience</i> , 2021, 24, 102308.	4.1	1
22	Range of Validity of a Simplified Model for Diffuse Charge Dynamics. <i>Electroanalysis</i> , 2015, 27, 473-484.	2.9	0