Mengying Li

List of Publications by Year
in descending order

18 papers	523 citations	840776 11 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	490 citing authors

#	Article	IF	Citations
1	Real-time forecasting of solar irradiance ramps with smart image processing. Solar Energy, 2015, 114, 91-104.	6.1	112
2	Real-time prediction intervals for intra-hour DNI forecasts. Renewable Energy, 2015, 83, 234-244.	8.9	77
3	On the determination of atmospheric longwave irradiance under all-sky conditions. Solar Energy, 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. Renewable Energy, 2016, 86, 1362-1371.	8.9	45
5	Sun-tracking imaging system for intra-hour DNI forecasts. Renewable Energy, 2016, 96, 792-799.	8.9	44
6	Radiative cooling resource maps for the contiguous United States. Journal of Renewable and Sustainable Energy, 2019, 11, .	2.0	31
7	Intra-hour irradiance forecasting techniques for solar power integration: A review. IScience, 2021, 24, 103136.	4.1	27
8	On the effective spectral emissivity of clear skies and the radiative cooling potential of selectively designed materials. International Journal of Heat and Mass Transfer, 2019, 135, 1053-1062.	4.8	26
9	Comparative Analysis of Power Plant Options for Enhanced Geothermal Systems (EGS). Energies, 2014, 7, 8427-8445.	3.1	25
10	Analysis of Hydraulic Fracturing and Reservoir Performance in Enhanced Geothermal Systems. Journal of Energy Resources Technology, Transactions of the ASME, 2015, 137, .	2.3	24
11	Spectral model for clear sky atmospheric longwave radiation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 209, 196-211.	2.3	12
12	Energy analysis for guiding the design of well systems of deep Enhanced Geothermal Systems. Energy, 2015, 93, 1173-1188.	8.8	11
13	A network of sky imagers for spatial solar irradiance assessment. Renewable Energy, 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. Solar Energy, 2022, 241, 404-415.	6.1	8
15	SCOPE: Spectral cloud optical property estimation using real-time GOES-R longwave imagery. Journal of Renewable and Sustainable Energy, 2020, 12, 026501.	2.0	6
16	Anisotropic corrections for the downwelling radiative heat transfer flux from various types of aerosols. International Journal of Heat and Mass Transfer, 2019, 136, 1006-1016.	4.8	4
17	Improved turbidity estimation from local meteorological data for solar resourcing and forecasting applications. Renewable Energy, 2022, 189, 259-272.	8.9	4
18	Spectral solar irradiance on inclined surfaces: A fast Monte Carlo approach. Journal of Renewable and Sustainable Energy, 2020, 12, .	2.0	2