Abhnil Prasad

List of Publications by Year
in descending order

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23 papers	590 citations	840776 11 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	724 citing authors

#	Article	IF	Citations
1	Assessment of solar and wind resource synergy in Australia. Applied Energy, 2017, 190, 354-367.	10.1	178
2	Direct normal irradiance forecasting and its application to concentrated solar thermal output forecasting â€“ A review. Solar Energy, 2014, 108, 287-307.	6.1	151
3	Assessment of atmospheric aerosols from two reanalysis products over Australia. Atmospheric Research, 2019, 215, 149-164.	4.1	42
4	Assessment of direct normal irradiance and cloud connections using satellite data over Australia. Applied Energy, 2015, 143, 301-311.	10.1	40
5	The resilience of Australian wind energy to climate change. Environmental Research Letters, 2018, 13, 024014.	5.2	20
6	Cloud mask-related differential linear adjustment model for MODIS infrared water vapor product. Remote Sensing of Environment, 2019, 221, 650-664.	11.0	17
7	Assessment of Simulated Solar Irradiance on Days of High Intermittency Using WRF-Solar. Energies, 2020, 13, 385.	3.1	15
8	Evaluation and improvement of TAPM in estimating solar irradiance in Eastern Australia. Solar Energy, 2014, 107, 668-680.	6.1	14
9	Prediction of Solar Power Using Near-Real Time Satellite Data. Energies, 2021, 14, 5865.	3.1	14
10	Synergy of solar photovoltaics-wind-battery systems in Australia. Renewable and Sustainable Energy Reviews, 2021, 152, 111693.	16.4	14
11	Validation of Australian atmospheric aerosols from reanalysis data and CMIP6 simulations. Atmospheric Research, 2021, 264, 105856.	4.1	13
12	Dust cycle and soiling issues affecting solar energy reductions in Australia using multiple datasets. Applied Energy, 2022, 310, 118626.	10.1	12
13	Spatio-temporal characterisation of extended low direct normal irradiance events over Australia using satellite derived solar radiation data. Renewable Energy, 2015, 74, 633-639.	8.9	11
14	Mesoscale Simulations of Australian Direct Normal Irradiance, Featuring an Extreme Dust Event. Journal of Applied Meteorology and Climatology, 2018, 57, 493-515.	1.5	9
15	Estimation of future changes in photovoltaic potential in Australia due to climate change. Environmental Research Letters, 2021, 16, 114034.	5.2	9
16	Detecting tropical thin cirrus using Multiangle Imaging SpectroRadiometer's oblique cameras and modeled outgoing longwave radiation. Journal of Geophysical Research, 2012, 117, .	3.3	8
17	Evidence of Climate Change Engagement Behaviour on a Facebook Fan-Based Page. Sustainability, 2020, 12, 7038.	3.2	7
18	Rapidly Evolving Cirrus Clouds Modulated by Convectively Generated Gravity Waves. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7327.	3.3	6

#	Article	IF	Citations
19	An assessment of cirrus heights from MISR oblique stereo using groundâ€based radar and lidar at the Tropical Western Pacific ARM sites. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5588-5599.	3.3	3
20	Using Meghaâ€Tropiques satellite data to constrain humidity in regional convective simulations: A northern Australian test case. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2768-2788.	2.7	3
21	Exploring Climate Change Adaptation, Mitigation and Marketing Connections. Sustainability, 2022, 14, 4255.	3.2	3
22	Decadal changes in thin cirrus height measured by MISR. , 2013, , .		1
23	Fluctuations in cloud-top height measured by CALIPSO from 2006-2015. , 2017, , .		0