

# Jamie M Bright

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6924551/publications.pdf>

Version: 2024-02-01

46  
papers

1,690  
citations

257101

24  
h-index

344852

36  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1081  
citing authors

#	ARTICLE	IF	CITATIONS
1	Verification of deterministic solar forecasts. <i>Solar Energy</i> , 2020, 210, 20-37.	2.9	142
2	Worldwide validation of 8 satellite-derived and reanalysis solar radiation products: A preliminary evaluation and overall metrics for hourly data over 27 years. <i>Solar Energy</i> , 2020, 210, 3-19.	2.9	115
3	Stochastic generation of synthetic minutely irradiance time series derived from mean hourly weather observation data. <i>Solar Energy</i> , 2015, 115, 229-242.	2.9	108
4	Assessment of rooftop photovoltaic potentials at the urban level using publicly available geodata and image recognition techniques. <i>Solar Energy</i> , 2017, 155, 561-573.	2.9	108
5	Worldwide performance assessment of 75 global clear-sky irradiance models using Principal Component Analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 550-570.	8.2	103
6	A review of solar forecasting, its dependence on atmospheric sciences and implications for grid integration: Towards carbon neutrality. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112348.	8.2	80
7	A parametric model for wind turbine power curves incorporating environmental conditions. <i>Renewable Energy</i> , 2020, 157, 754-768.	4.3	78
8	Improved satellite-derived PV power nowcasting using real-time power data from reference PV systems. <i>Solar Energy</i> , 2018, 168, 118-139.	2.9	69
9	A synthetic, spatially decorrelating solar irradiance generator and application to a LV grid model with high PV penetration. <i>Solar Energy</i> , 2017, 147, 83-98.	2.9	65
10	Solcast: Validation of a satellite-derived solar irradiance dataset. <i>Solar Energy</i> , 2019, 189, 435-449.	2.9	61
11	Cloud cover effect of clear-sky index distributions and differences between human and automatic cloud observations. <i>Solar Energy</i> , 2017, 144, 10-21.	2.9	57
12	QCPV: A quality control algorithm for distributed photovoltaic array power output. <i>Solar Energy</i> , 2017, 143, 120-131.	2.9	54
13	Comparing the capability of low- and high-resolution LiDAR data with application to solar resource assessment, roof type classification and shading analysis. <i>Applied Energy</i> , 2017, 205, 1216-1230.	5.1	54
14	Worldwide performance assessment of 95 direct and diffuse clear-sky irradiance models using principal component analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110087.	8.2	50
15	A posteriori clear-sky identification methods in solar irradiance time series: Review and preliminary validation using sky imagers. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 109, 412-427.	8.2	49
16	Climate-specific and global validation of MODIS Aqua and Terra aerosol optical depth at 452 AERONET stations. <i>Solar Energy</i> , 2019, 183, 594-605.	2.9	45
17	On the search for representative characteristics of PV systems: Data collection and analysis of PV system azimuth, tilt, capacity, yield and shading. <i>Solar Energy</i> , 2018, 173, 1087-1106.	2.9	42
18	Engerer2: Global re-parameterisation, update, and validation of an irradiance separation model at different temporal resolutions. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	0.8	41

#	ARTICLE	IF	CITATIONS
19	Bright-Sun: A globally applicable 1-min irradiance clear-sky detection model. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 121, 109706.	8.2	32
20	Projection of power generation between differently-oriented PV systems. <i>Solar Energy</i> , 2016, 136, 153-165.	2.9	31
21	Nonparametric Bayesian-based recognition of solar irradiance conditions: Application to the generation of high temporal resolution synthetic solar irradiance data. <i>Solar Energy</i> , 2019, 182, 462-479.	2.9	31
22	The impact of globally diverse GHI training data: Evaluation through application of a simple Markov chain downscaling methodology. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, 023703.	0.8	27
23	irradpy: Python package for MERRA-2 download, extraction and usage for clear-sky irradiance modelling. <i>Solar Energy</i> , 2020, 199, 685-693.	2.9	27
24	Identification of PV system shading using a LiDAR-based solar resource assessment model: An evaluation and cross-validation. <i>Solar Energy</i> , 2018, 159, 157-172.	2.9	26
25	An approach for the estimation of the aggregated photovoltaic power generated in several European countries from meteorological data. <i>Advances in Science and Research</i> , 0, 15, 51-62.	1.0	21
26	Verifying operational intra-day solar forecasts from ECMWF and NOAA. <i>Solar Energy</i> , 2022, 236, 743-755.	2.9	20
27	Upscaling PV Power Considering Module Orientations. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 941-944.	1.5	19
28	Bayesian parameterisation of a regional photovoltaic model – Application to forecasting. <i>Solar Energy</i> , 2019, 188, 760-774.	2.9	14
29	A tuning routine to correct systematic influences in reference PV systems™ power outputs. <i>Solar Energy</i> , 2017, 157, 1082-1094.	2.9	13
30	Data article: Distributed PV power data for three cities in Australia. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	0.8	13
31	Himawari-8 Enabled Real-Time Distributed Pv Simulations for Distribution Networks. , 2017, , .		12
32	On predictability of solar irradiance. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, .	0.8	12
33	Dirichlet downscaling model for synthetic solar irradiance time series. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, 063702.	0.8	11
34	An analytical approach for estimating the global horizontal from the global tilted irradiance. <i>Solar Energy</i> , 2019, 188, 1042-1053.	2.9	10
35	Estimating the spatiotemporal potential of self-consuming photovoltaic energy to charge electric vehicles in rural and urban Nordic areas. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, 046301.	0.8	8
36	Regional Nowcasting of the Solar Power Production with PV-Plant Measurements and Satellite Images. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
37	High resolution measurement network of global horizontal and tilted solar irradiance in southern Germany with a new quality control scheme. Solar Energy, 2022, 231, 593-606.	2.9	8
38	Effects of spatial scale of atmospheric reanalysis data on clear-sky surface radiation modeling in tropical climates: A case study for Singapore. Solar Energy, 2022, 241, 525-537.	2.9	8
39	Benchmarks for solar radiation time series forecasting. Renewable Energy, 2022, 191, 747-762.	4.3	6
40	Evaluating different upscaling approaches to derive the actual power of distributed PV systems. , 2017, , .		4
41	Introduction To Synthetic Solar Irradiance. , 2021, , 1-1-1-32.		3
42	Data article: Full disk real-time Himawari-8/9 satellite AHI imagery from JAXA. Journal of Renewable and Sustainable Energy, 0, , .	0.8	2
43	Impact of the nominal and real peak power of PV systems on grid reinforcement. , 2016, , .		1
44	Validation of Synthetic Solar Irradiance Data. , 2021, , 1-44.		1
45	The Future of Synthetic Solar Irradiance. , 2021, , 6-1-6-28.		1
46	Statistical satellite-derived irradiance estimation: A case study in Singapore. , 2021, , .		0