

# Dennis van der Meer

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,730  
citations

201385

27  
h-index

253896

43  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1632  
citing authors

#	ARTICLE	IF	CITATIONS
1	AC Loss Analysis and Measurement of a Hybrid Transposed Hairpin Winding for EV Traction Machines. IEEE Transactions on Industrial Electronics, 2023, 70, 3525-3536.	5.2	11
2	Sub-minute probabilistic solar forecasting for real-time stochastic simulations. Renewable and Sustainable Energy Reviews, 2022, 153, 111736.	8.2	11
3	A Concise Overview on Solar Resource Assessment and Forecasting. Advances in Atmospheric Sciences, 2022, 39, 1239-1251.	1.9	34
4	A historical weather forecast dataset from the European Centre for Medium-Range Weather Forecasts (ECMWF) for energy forecasting. Solar Energy, 2022, 232, 263-274.	2.9	39
5	Progress in regional PV power forecasting: A sensitivity analysis on the Italian case study. Renewable Energy, 2022, 189, 983-996.	4.3	29
6	A review of solar forecasting, its dependence on atmospheric sciences and implications for grid integration: Towards carbon neutrality. Renewable and Sustainable Energy Reviews, 2022, 161, 112348.	8.2	80
7	Generalizing Renewable Energy Forecasting Using Automatic Feature Selection and Combination. , 2022, , .		1
8	Seamless intra-day and day-ahead multivariate probabilistic forecasts at high temporal resolution. , 2022, , .		0
9	Data-Enabled Reactive Power Control of Distributed Energy Resources via a Copula Estimation of Distribution Algorithm. , 2022, , .		1
10	Very short term load forecasting of residential electricity consumption using the Markov-chain mixture distribution (MCM) model. Applied Energy, 2021, 282, 116180.	5.1	50
11	An alternative optimal strategy for stochastic model predictive control of a residential battery energy management system with solar photovoltaic. Applied Energy, 2021, 283, 116289.	5.1	19
12	Post-processing in solar forecasting: Ten overarching thinking tools. Renewable and Sustainable Energy Reviews, 2021, 140, 110735.	8.2	57
13	Operational solar forecasting for grid integration: Standards, challenges, and outlook. Solar Energy, 2021, 224, 930-937.	2.9	32
14	Probabilistic post-processing of gridded atmospheric variables and its application to site adaptation of shortwave solar radiation. Solar Energy, 2021, 225, 427-443.	2.9	15
15	On predictability of solar irradiance. Journal of Renewable and Sustainable Energy, 2021, 13, .	0.8	12
16	A benchmark for multivariate probabilistic solar irradiance forecasts. Solar Energy, 2021, 225, 286-296.	2.9	10
17	Direct forecast of solar irradiance for EV smart charging scheme to improve PV self-consumption at home. , 2021, , .		0
18	Dirichlet downscaling model for synthetic solar irradiance time series. Journal of Renewable and Sustainable Energy, 2020, 12, 063702.	0.8	11

#	ARTICLE	IF	CITATIONS
19	Comment on "Verification of deterministic solar forecasts": Verification of probabilistic solar forecasts. <i>Solar Energy</i> , 2020, 210, 41-43.	2.9	5
20	Clear-sky index space-time trajectories from probabilistic solar forecasts: Comparing promising copulas. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, 026102.	0.8	7
21	Verification of deterministic solar forecasts. <i>Solar Energy</i> , 2020, 210, 20-37.	2.9	142
22	Probabilistic solar forecasting benchmarks on a standardized dataset at Folsom, California. <i>Solar Energy</i> , 2020, 206, 628-639.	2.9	32
23	Smart charging of electric vehicles considering photovoltaic power production and electricity consumption: A review. <i>ETransportation</i> , 2020, 4, 100056.	6.8	148
24	Choice of clear-sky model in solar forecasting. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, .	0.8	78
25	Post-processing of NWP forecasts using ground or satellite-derived data through kernel conditional density estimation. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	0.8	38
26	Producing high-quality solar resource maps by integrating high- and low-accuracy measurements using Gaussian processes. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 113, 109260.	8.2	19
27	OpenSolar: Promoting the openness and accessibility of diverse public solar datasets. <i>Solar Energy</i> , 2019, 188, 1369-1379.	2.9	27
28	SolarData package update v1.1: R functions for easy access of Baseline Surface Radiation Network (BSRN). <i>Solar Energy</i> , 2019, 188, 970-975.	2.9	24
29	Ultra-fast analog ensemble using kd-tree. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	0.8	21
30	Operational solar forecasting for the real-time market. <i>International Journal of Forecasting</i> , 2019, 35, 1499-1519.	3.9	87
31	An ultra-fast way of searching weather analogs for renewable energy forecasting. <i>Solar Energy</i> , 2019, 185, 255-261.	2.9	32
32	A universal benchmarking method for probabilistic solar irradiance forecasting. <i>Solar Energy</i> , 2019, 184, 410-416.	2.9	49
33	Probabilistic forecasting of high-resolution clear-sky index time-series using a Markov-chain mixture distribution model. <i>Solar Energy</i> , 2019, 184, 688-695.	2.9	34
34	A guideline to solar forecasting research practice: Reproducible, operational, probabilistic or physically-based, ensemble, and skill (ROPES). <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, .	0.8	99
35	Automatic hourly solar forecasting using machine learning models. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 105, 487-498.	8.2	167
36	Residential probabilistic load forecasting: A method using Gaussian process designed for electric load data. <i>Applied Energy</i> , 2018, 218, 159-172.	5.1	87

#	ARTICLE	IF	CITATIONS
37	History and trends in solar irradiance and PV power forecasting: A preliminary assessment and review using text mining. Solar Energy, 2018, 168, 60-101.	2.9	338
38	Energy Management System With PV Power Forecast to Optimally Charge EVs at the Workplace. IEEE Transactions on Industrial Informatics, 2018, 14, 311-320.	7.2	159
39	Review on probabilistic forecasting of photovoltaic power production and electricity consumption. Renewable and Sustainable Energy Reviews, 2018, 81, 1484-1512.	8.2	285
40	Probabilistic clear-sky index forecasts using Gaussian process ensembles. , 2018, , .		4
41	Ultra-fast preselection in lasso-type spatio-temporal solar forecasting problems. Solar Energy, 2018, 176, 788-796.	2.9	26
42	SolarData: An R package for easy access of publicly available solar datasets. Solar Energy, 2018, 171, A3-A12.	2.9	65
43	Erratum to "Energy Management System With PV Power Forecast to Optimally Charge EVs at the Workplace" [Jan 18 311-320]. IEEE Transactions on Industrial Informatics, 2018, 14, 3298-3298.	7.2	3
44	Probabilistic forecasting of solar power, electricity consumption and net load: Investigating the effect of seasons, aggregation and penetration on prediction intervals. Solar Energy, 2018, 171, 397-413.	2.9	57
45	Editorial: Submission of Data Article is now open. Solar Energy, 2018, 171, A1-A2.	2.9	24
46	Very short term irradiance forecasting using the lasso. Solar Energy, 2015, 114, 314-326.	2.9	105
47	Optimal Orientation and Tilt Angle for Maximizing in-Plane Solar Irradiation for PV Applications in Singapore. IEEE Journal of Photovoltaics, 2014, 4, 647-653.	1.5	82
48	Solar irradiance forecasting using spatio-temporal empirical kriging and vector autoregressive models with parameter shrinkage. Solar Energy, 2014, 103, 550-562.	2.9	72