

Gregor Giebel

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

843
citations

759233

12
h-index

839539

18
g-index

37
all docs

37
docs citations

37
times ranked

897
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term Prediction?An Overview. Wind Energy, 2003, 6, 273-280.	4.2	149
2	Evaluating winds and vertical wind shear from Weather Research and Forecasting model forecasts using seven planetary boundary layer schemes. Wind Energy, 2014, 17, 39-55.	4.2	131
3	A new reference for wind power forecasting. , 1998, 1, 29-34.		88
4	Minute-Scale Forecasting of Wind Powerâ€”Results from the Collaborative Workshop of IEA Wind Task 32 and 36. Energies, 2019, 12, 712.	3.1	48
5	Estimation of turbulence intensity using rotor effective wind speed in Lillgrund and Horns Rev-I offshore wind farms. Renewable Energy, 2016, 99, 524-532.	8.9	45
6	Uncovering wind power forecasting uncertainty sources and their propagation through the whole modelling chain. Renewable and Sustainable Energy Reviews, 2022, 165, 112519.	16.4	45
7	Wind power forecastingâ€”a review of the state of the art. , 2017, , 59-109.		43
8	Wind-Climate Estimation Based on Mesoscale and Microscale Modeling: Statisticalâ€”Dynamical Downscaling for Wind Energy Applications. Journal of Applied Meteorology and Climatology, 2014, 53, 1901-1919.	1.5	42
9	A variance analysis of the capacity displaced by wind energy in Europe. Wind Energy, 2007, 10, 69-79.	4.2	41
10	Resolving Nonstationary Spectral Information in Wind Speed Time Series Using the Hilbertâ€”Huang Transform. Journal of Applied Meteorology and Climatology, 2010, 49, 253-267.	1.5	37
11	Local turbulence parameterization improves the Jensen wake model and its implementation for power optimization of an operating wind farm. Wind Energy Science, 2019, 4, 287-302.	3.3	28
12	Turbine Control strategies for wind farm power optimization. , 2015, , .		24
13	From wind ensembles to probabilistic information about future wind power production $\hat{\lambda}_t$ results from an actual application. , 2006, , .		23
14	Weather radars â€” the new eyes for offshore wind farms?. Wind Energy, 2014, 17, 1767-1787.	4.2	23
15	Wind Speed Estimation and Parametrization of Wake Models for Downregulated Offshore Wind Farms within the scope of PossPOW Project. Journal of Physics: Conference Series, 2014, 524, 012156.	0.4	15
16	Implementation of a Model Output Statistics based on meteorological variable screening for short-term wind power forecast. Wind Energy, 2013, 16, 811-826.	4.2	13
17	Data-driven Wake Modelling for Reduced Uncertainties in short-term Possible Power Estimation. Journal of Physics: Conference Series, 2018, 1037, 072002.	0.4	12
18	Possible power of downâ€”regulated offshore wind power plants: The PossPOW algorithm. Wind Energy, 2019, 22, 205-218.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Launch of the FarmConnors Wind Farm Control benchmark for code comparison. Journal of Physics: Conference Series, 2020, 1618, 022040.	0.4	5
20	Preface: Interdisciplinary contributions from the Division on Energy, Resources and the Environment at the EGU General Assembly 2019. Advances in Geosciences, 0, 49, 31-35.	12.0	5
21	How do Humans decide under Wind Power Forecast Uncertainty – an IEA Wind Task 36 Probabilistic Forecast Games and Experiments initiative. Journal of Physics: Conference Series, 2022, 2151, 012014.	0.4	3
22	T2FL: An Efficient Model for Wind Turbine Fatigue Damage Prediction for the Two-Turbine Case. Energies, 2020, 13, 1306.	3.1	2
23	Preface to the special issue of the Division Energy, Resources and the Environment at vEGU2021: Gather online – Advances in Geosciences, 0, 56, 13-18.	12.0	2
24	ViLab: A Virtual Laboratory for Collaborative Research on Wind Power Forecasting. Wind Engineering, 2007, 31, 117-121.	1.9	1
25	Uncertainties and Wakes for Short-term Power Production of a Wind Farm. , 2018, , .		1
26	Energy Yield Prediction of Offshore Wind Farm Clusters at the EERA-DTOC European Project. Energy Procedia, 2014, 53, 324-341.	1.8	0