Jake Badger

List of Publications by Year
in descending order

32 papers	1,233 citations	471061 17 h-index	476904 29 g-index
34 all docs	34 docs citations	34 times ranked	1169 citing authors

#	Article	IF	Citations
1	Review of Mesoscale Wind-Farm Parametrizations and Their Applications. Boundary-Layer Meteorology, 2022, 182, 175-224.	1.2	30
2	Evaluation of two mesoscale wind farm parametrisations with offshore tall masts. Journal of Physics: Conference Series, 2022, 2265, 022038.	0.3	2
3	A hybrid solution for offshore wind resource assessment from limited onshore measurements. Applied Energy, 2021, 298, 117245.	5.1	5
4	The Making of the New European Wind Atlas â€“ Part 2: Production and evaluation. Geoscientific Model Development, 2020, 13, 5079-5102.	1.3	86
5	ENSPRESO - an open, EU-28 wide, transparent and coherent database of wind, solar and biomass energy potentials. Energy Strategy Reviews, 2019, 26, 100379.	3.3	91
6	Wind and solar resource data sets. Wiley Interdisciplinary Reviews: Energy and Environment, 2018, 7, e276.	1.9	13
7	Simulating European wind power generation applying statistical downscaling to reanalysis data. Applied Energy, 2017, 199, 155-168.	5.1	104
8	Prospects for generating electricity by large onshore and offshore wind farms. Environmental Research Letters, 2017, 12, 034022.	2.2	44
9	Efficient large-scale wind turbine deployment can meet global electricity generation needs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8945.	3.3	8
10	Wind Farm Wake: The 2016 Horns Rev Photo Case. Energies, 2017, 10, 317.	1.6	32
11	An intercomparison of mesoscale models at simple sites for wind energy applications. Wind Energy Science, 2017, 2, 211-228.	1.2	17
12	Feasibility of wind power integration in weak grids in non-coastal areas of sub-saharan Africa: the case of Mali. AIMS Energy, 2017, 5, 557-584.	1.1	1
13	Comparing satellite SAR and wind farm wake models. Journal of Physics: Conference Series, 2015, 625, 012035.	0.3	12
14	Using Satellite SAR to Characterize the Wind Flow around Offshore Wind Farms. Energies, 2015, 8, 5413-5439.	1.6	55
15	The Explicit Wake Parametrisation V1.0: a wind farm parametrisation in the mesoscale model WRF. Geoscientific Model Development, 2015, 8, 3715-3731.	1.3	66
16	Development of a Numerical Wind Atlas for South Africa. Energy Procedia, 2015, 76, 128-137.	1.8	14
17	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.	0.6	42
18	Energy Yield Prediction of Offshore Wind Farm Clusters at the EERA-DTOC European Project. Energy Procedia, 2014, 53, 324-341.	1.8	0

#	Article	IF	Citations
19	The selective dynamical downscaling method for extremeâ€wind atlases. Wind Energy, 2013, 16, 1167-1182.	1.9	15
20	Production of the Finnish Wind Atlas. Wind Energy, 2013, 16, 19-35.	1.9	57
21	Recipes for Correcting the Impact of Effective Mesoscale Resolution on the Estimation of Extreme Winds. Journal of Applied Meteorology and Climatology, 2012, 51, 521-533.	0.6	53
22	Wind Energy Resources of the South Baltic Sea. , 2011, , .		2
23	Using modeling, satellite images and existing global datasets for rapid preliminary assessments of renewable energy resources: The case of Mali. Renewable and Sustainable Energy Reviews, 2010, 14, 2359-2371.	8.2	18
24	Wind Class Sampling of Satellite SAR Imagery for Offshore Wind Resource Mapping. Journal of Applied Meteorology and Climatology, 2010, 49, 2474-2491.	0.6	41
25	The making of a secondâ€generation wind farm efficiency model complex. Wind Energy, 2009, 12, 445-458.	1.9	53
26	Offshore Coastal Wind Speed Gradients: Issues for the Design and Development of Large Offshore Windfarms. Wind Engineering, 2007, 31, 369-382.	1.1	42
27	Class Generation for Numerical Wind Atlases. Wind Engineering, 2006, 30, 401-415.	1.1	5
28	From wind ensembles to probabilistic information about future wind power production Â¿ results from an actual application. , 2006, , .		23
29	Wind Resource Estimation-An Overview. Wind Energy, 2003, 6, 261-271.	1.9	157
30	Simple Initial Value Problems and Mechanisms for Baroclinic Growth. Journals of the Atmospheric Sciences, 2001, 58, 38-49.	0.6	68
31	The nature of singular vector growth and structure. Quarterly Journal of the Royal Meteorological Society, 2000, 126, 1565-1580.	1.0	15
32	The nature of singular vector growth and structure. Quarterly Journal of the Royal Meteorological Society, 2000, 126, 1565-1580.	1.0	51