Kurt S Hansen

List of Publications by Year
in descending order

19 papers	**1,039** citations	759233 **12** h-index	888059 **17** g-index
19 all docs	**19** docs citations	**19** times ranked	**818** citing authors

#	Article	IF	Citations
1	The impact of turbulence intensity and atmospheric stability on power deficits due to wind turbine wakes at Horns Rev wind farm. Wind Energy, 2012, 15, 183-196.	4.2	348
2	Validation of the dynamic wake meander model for loads and power production in the Egmond aan Zee wind farm. Wind Energy, 2013, 16, 605-624.	4.2	155
3	Numerical simulations of wake interaction between two wind turbines at various inflow conditions. Wind Energy, 2011, 14, 859-876.	4.2	126
4	Large‐eddy simulations of the Lillgrund wind farm. Wind Energy, 2015, 18, 449-467.	4.2	108
5	Solving the Turbine Positioning Problem for Large Offshore Wind Farms by Simulated Annealing. Wind Engineering, 2009, 33, 287-297.	1.9	77
6	The k-ε-f_P model applied to wind farms. Wind Energy, 2015, 18, 2065-2084.	4.2	42
7	Does the wind turbine wake follow the topography? A multi-lidar study in complex terrain. Wind Energy Science, 2018, 3, 681-691.	3.3	40
8	IEA-Task 31 WAKEBENCH: Towards a protocol for wind farm flow model evaluation. Part 2: Wind farm wake models. Journal of Physics: Conference Series, 2014, 524, 012185.	0.4	36
9	Investigation of wake interaction using full‐scale lidar measurements and large eddy simulation. Wind Energy, 2016, 19, 1535-1551.	4.2	25
10	Applications of satellite winds for the offshore wind farm site Anholt. Wind Energy Science, 2018, 3, 573-588.	3.3	24
11	Characterising Turbulence Intensity for Fatigue Load Analysis of Wind Turbines. Wind Engineering, 2005, 29, 319-329.	1.9	18
12	Mapping Wind Farm Loads and Power Production - A Case Study on Horns Rev 1. Journal of Physics: Conference Series, 2016, 753, 032010.	0.4	17
13	Rational calibration of four IEC 61400-1 extreme external conditions. Wind Energy, 2008, 11, 685-702.	4.2	9
14	De‐trending of wind speed variance based on first‐order and second‐order statistical moments only. Wind Energy, 2014, 17, 1905-1924.	4.2	6
15	Statistical Model of Extreme Shear. Journal of Solar Energy Engineering, Transactions of the ASME, 2005, 127, 444-455.	1.8	4
16	Alternative approach for establishing the Nacelle Transfer Function. Wind Engineering, 2016, 40, 307-318.	1.9	2
17	Wind Shear Extremes at Possible Offshore Wind Turbine Locations. Wind Engineering, 2003, 27, 339-349.	1.9	1
18	Wake flow characteristics at high wind speed. , 2016, , .		1

#	Article	IF	Citations
19	An MSc Course Module: Wind Turbine Measurement Techniques. Wind Engineering, 2005, 29, 183-185.	1.9	0