Simon-Philippe Breton

List of Publications by Year
in descending order

13	389	1040056 9	1199594 12
papers	citations	h-index	g-index

13	13	13	343
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Largeâ€eddy simulations of the Lillgrund wind farm. Wind Energy, 2015, 18, 449-467.	4.2	108
2	A study on rotational effects and different stall delay models using a prescribed wake vortex scheme and NREL phase VI experiment data. Wind Energy, 2008, 11, 459-482.	4.2	85
3	A survey of modelling methods for high-fidelity wind farm simulations using large eddy simulation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160097.	3.4	55
4	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
5	Wake downstream of the Lillgrund wind farm - A Comparison between LES using the actuator disc method and a Wind farm Parametrization in WRF. Journal of Physics: Conference Series, 2015, 625, 012028.	0.4	27
6	Study of the influence of imposed turbulence on the asymptotic wake deficit in a very long line of wind turbines. Renewable Energy, 2014, 70, 153-163.	8.9	22
7	Quantifying variability of Large Eddy Simulations of very large wind farms. Journal of Physics: Conference Series, 2015, 625, 012027.	0.4	17
8	Impact of Wind Veer and the Coriolis Force for an Idealized Farm to Farm Interaction Case. Applied Sciences (Switzerland), 2019, 9, 922.	2.5	13
9	Global trends in the performance of large wind farms based on high-fidelity simulations. Wind Energy Science, 2020, 5, 1689-1703.	3.3	12
10	Comparative CFD study of the effect of the presence of downstream turbines on upstream ones using a rotational speed control system. Journal of Physics: Conference Series, 2014, 555, 012014.	0.4	8
11	Assessment of Turbulence Modelling in the Wake of an Actuator Disk with a Decaying Turbulence Inflow. Applied Sciences (Switzerland), 2018, 8, 1530.	2.5	5
12	Airfoil data sensitivity analysis for actuator disc simulations used in wind turbine applications. Journal of Physics: Conference Series, 2014, 524, 012135.	0.4	1
13	Largeâ€eddy simulations of the evolution of imposed turbulence in forced boundary layers in a very long domain. Wind Energy, 2020, 23, 1482-1493.	4.2	0