

Simon-Philippe Breton

List of Publications by Year in descending order

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papers

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Large Eddy simulations of the evolution of imposed turbulence in forced boundary layers in a very long domain. <i>Wind Energy</i> , 2020, 23, 1482-1493. | 4.2 | 0 |
| 2 | Global trends in the performance of large wind farms based on high-fidelity simulations. <i>Wind Energy Science</i> , 2020, 5, 1689-1703. | 3.3 | 12 |
| 3 | Impact of Wind Veer and the Coriolis Force for an Idealized Farm to Farm Interaction Case. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 922. | 2.5 | 13 |
| 4 | Assessment of Turbulence Modelling in the Wake of an Actuator Disk with a Decaying Turbulence Inflow. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1530. | 2.5 | 5 |
| 5 | A survey of modelling methods for high-fidelity wind farm simulations using large eddy simulation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160097. | 3.4 | 55 |
| 6 | Quantifying variability of Large Eddy Simulations of very large wind farms. <i>Journal of Physics: Conference Series</i> , 2015, 625, 012027. | 0.4 | 17 |
| 7 | Wake downstream of the Lillgrund wind farm - A Comparison between LES using the actuator disc method and a Wind farm Parametrization in WRF. <i>Journal of Physics: Conference Series</i> , 2015, 625, 012028. | 0.4 | 27 |
| 8 | Large Eddy simulations of the Lillgrund wind farm. <i>Wind Energy</i> , 2015, 18, 449-467. | 4.2 | 108 |
| 9 | IEA-Task 31 WAKEBENCH: Towards a protocol for wind farm flow model evaluation. Part 2: Wind farm wake models. <i>Journal of Physics: Conference Series</i> , 2014, 524, 012185. | 0.4 | 36 |
| 10 | Study of the influence of imposed turbulence on the asymptotic wake deficit in a very long line of wind turbines. <i>Renewable Energy</i> , 2014, 70, 153-163. | 8.9 | 22 |
| 11 | Comparative CFD study of the effect of the presence of downstream turbines on upstream ones using a rotational speed control system. <i>Journal of Physics: Conference Series</i> , 2014, 555, 012014. | 0.4 | 8 |
| 12 | Airfoil data sensitivity analysis for actuator disc simulations used in wind turbine applications. <i>Journal of Physics: Conference Series</i> , 2014, 524, 012135. | 0.4 | 1 |
| 13 | A study on rotational effects and different stall delay models using a prescribed wake vortex scheme and NREL phase VI experiment data. <i>Wind Energy</i> , 2008, 11, 459-482. | 4.2 | 85 |