

Juliaan Bossuyt

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

399
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

322
citing authors

#	ARTICLE	IF	CITATIONS
1	Wake structure in actuator disk models of wind turbines in yaw under uniform inflow conditions. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	2.0	183
2	Measurement of unsteady loading and power output variability in a micro wind farm model in a wind tunnel. <i>Experiments in Fluids</i> , 2017, 58, 1.	2.4	60
3	Wind farm power fluctuations and spatial sampling of turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2017, 823, 329-344.	3.4	31
4	Utility-scale solar PV performance enhancements through system-level modifications. <i>Scientific Reports</i> , 2020, 10, 10505.	3.3	28
5	Quantification of wake shape modulation and deflection for tilt and yaw misaligned wind turbines. <i>Journal of Fluid Mechanics</i> , 2021, 917, .	3.4	21
6	Characterizing tilt effects on wind plants. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, .	2.0	14
7	Infinite photovoltaic solar arrays: Considering flux of momentum and heat transfer. <i>Renewable Energy</i> , 2020, 156, 791-803.	8.9	14
8	Influence of flow direction and turbulence intensity on heat transfer of utility-scale photovoltaic solar farms. <i>Solar Energy</i> , 2020, 207, 173-182.	6.1	14
9	Decoupling windâ€™s wake interactions in a fixed-bottom offshore wind turbine. <i>Applied Energy</i> , 2022, 309, 118358.	10.1	14
10	Effect of layout on asymptotic boundary layer regime in deep wind farms. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	12
11	Wind tunnel study of the power output spectrum in a micro wind farm. <i>Journal of Physics: Conference Series</i> , 2016, 753, 072002.	0.4	3
12	Large Eddy Simulation of a wind tunnel wind farm experiment with one hundred static turbine models. <i>Journal of Physics: Conference Series</i> , 2018, 1037, 062006.	0.4	3
13	Secondary motions above a staggered multi-scale rough wall. <i>Journal of Fluid Mechanics</i> , 2022, 941, .	3.4	2