

A Eoghan Maguire

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

543
citations

933447

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h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	Review and evaluation of wake loss models for wind energy applications. Applied Energy, 2018, 226, 1187-1207.	10.1	147
2	Foundations of population-based SHM, Part I: Homogeneous populations and forms. Mechanical Systems and Signal Processing, 2021, 148, 107141.	8.0	63
3	A Performance Monitoring Approach for the Novel Lillgrund Offshore Wind Farm. IEEE Transactions on Industrial Electronics, 2015, 62, 6636-6644.	7.9	61
4	Probabilistic modelling of wind turbine power curves with application of heteroscedastic Gaussian Process regression. Renewable Energy, 2020, 148, 1124-1136.	8.9	55
5	Evaluation of layout and atmospheric stability effects in wind farms using large-eddy simulation. Wind Energy, 2017, 20, 1227-1240.	4.2	40
6	Simulations of an Offshore Wind Farm Using Large-Eddy Simulation and a Torque-Controlled Actuator Disc Model. Surveys in Geophysics, 2015, 36, 427-481.	4.6	38
7	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
8	Performance monitoring of a wind turbine using extreme function theory. Renewable Energy, 2017, 113, 1490-1502.	8.9	36
9	An evaluation of the predictive accuracy of wake effects models for offshore wind farms. Wind Energy, 2016, 19, 979-996.	4.2	31
10	IEA-Task 31 WAKEBENCH: Towards a protocol for wind farm flow model evaluation. Part 1: Flow-over-terrain models. Journal of Physics: Conference Series, 2014, 524, 012105.	0.4	17
11	On geometric design considerations and control methodologies for absorbing wavemakers. Coastal Engineering, 2011, 58, 135-142.	4.0	8
12	Turbulence Characteristics in Offshore Wind Farms from LES Simulations of Lillgrund Wind Farm. Energy Procedia, 2014, 59, 182-189.	1.8	5
13	Bayesian modelling of multivalued power curves from an operational wind farm. Mechanical Systems and Signal Processing, 2022, 169, 108530.	8.0	4
14	An SHM View of a CFD Model of Lillgrund Wind Farm. Applied Mechanics and Materials, 0, 564, 164-169.	0.2	2