

David A Mcmillan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,465
citations

623574

14
h-index

677027

22
g-index

29
all docs

29
docs citations

29
times ranked

1345
citing authors

#	ARTICLE	IF	CITATIONS
1	Subseasonal-to-Seasonal Forecasting for Wind Turbine Maintenance Scheduling. <i>Wind</i> , 2022, 2, 260-287.	0.6	1
2	A review of operations and maintenance modelling with considerations for novel wind turbine concepts. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 165, 112581.	8.2	22
3	Operation and Maintenance Modelling for Multi Rotor Systems: Bottlenecks in Operations. <i>Journal of Physics: Conference Series</i> , 2022, 2265, 042059.	0.3	2
4	Probabilistic access forecasting for improved offshore operations. <i>International Journal of Forecasting</i> , 2021, 37, 134-150.	3.9	14
5	Failure Rates of Offshore Wind Transmission Systems. <i>Energies</i> , 2019, 12, 2682.	1.6	23
6	A Data-driven Vessel Motion Model for Offshore Access Forecasting. , 2019, , .		2
7	Challenges of decommissioning offshore wind farms: Overview of the European experience. <i>Journal of Physics: Conference Series</i> , 2019, 1222, 012035.	0.3	23
8	Decision Support Tool for Offshore Wind Farm Vessel Routing under Uncertainty. <i>Energies</i> , 2018, 11, 2190.	1.6	9
9	On modeling insights for emerging engineering problems: A case study on the impact of climate uncertainty on the operational performance of offshore wind farms. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2018, 232, 524-532.	0.6	0
10	Availability, operation and maintenance costs of offshore wind turbines with different drive train configurations. <i>Wind Energy</i> , 2017, 20, 361-378.	1.9	94
11	Heuristic algorithm for the problem of vessel routing optimisation for offshore wind farms. <i>Journal of Engineering</i> , 2017, 2017, 1159-1163.	0.6	4
12	Failure rate, repair time and unscheduled O&M cost analysis of offshore wind turbines. <i>Wind Energy</i> , 2016, 19, 1107-1119.	1.9	391
13	Cost Benefit Analysis of Mothership Concept and Investigation of Optimum Chartering Strategy for Offshore Wind Farms. <i>Energy Procedia</i> , 2015, 80, 63-71.	1.8	10
14	Optimisation of the bidding strategy for wind power trading. , 2015, , .		0
15	Reliability Comparison of Wind Turbines With DFIG and PMG Drive Trains. <i>IEEE Transactions on Energy Conversion</i> , 2015, 30, 663-670.	3.7	154
16	The impact of maintenance contract arrangements on the yield of offshore wind power plants. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2015, 229, 394-402.	0.6	4
17	Advanced logistics planning for offshore wind farm operation and maintenance activities. <i>Ocean Engineering</i> , 2015, 101, 211-226.	1.9	110
18	Economic analysis of condition monitoring systems for offshore wind turbine sub-systems. <i>IET Renewable Power Generation</i> , 2015, 9, 900-907.	1.7	50

#	ARTICLE	IF	CITATIONS
19	Statistical forecasting for offshore wind helicopter operations. , 2014, , .		2
20	Operational strategies for offshore wind turbines to mitigate failure rate uncertainty on operational costs and revenue. IET Renewable Power Generation, 2014, 8, 359-366.	1.7	19
21	Condition Monitoring Benefit for Operation Support of Offshore Wind Turbines. , 2014, , 169-182.		3
22	Towards Reliability Centred Maintenance of Wind Turbines. , 2014, , 183-194.		1
23	Development of a Combined Operational and Strategic Decision Support Model for Offshore Wind. Energy Procedia, 2013, 35, 157-166.	1.8	57
24	Statistical profiling of site wind resource speed and directional characteristics. IET Renewable Power Generation, 2013, 7, 583-592.	1.7	12
25	Application of Auto-Regressive Models to U.K. Wind Speed Data for Power System Impact Studies. IEEE Transactions on Sustainable Energy, 2012, 3, 134-141.	5.9	205
26	A Copula Model of Wind Turbine Performance. IEEE Transactions on Power Systems, 2011, 26, 965-966.	4.6	78
27	Quantification of Over-Speed Risk in Wind Turbine Fleets. IEEE Transactions on Sustainable Energy, 2011, 2, 487-494.	5.9	0
28	Techno-Economic Comparison of Operational Aspects for Direct Drive and Gearbox-Driven Wind Turbines. IEEE Transactions on Energy Conversion, 2010, 25, 191-198.	3.7	62
29	Quantification of Condition Monitoring Benefit for Offshore Wind Turbines. Wind Engineering, 2007, 31, 267-285.	1.1	113