

# 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	Failure rate, repair time and unscheduled O&M cost analysis of offshore wind turbines. Wind Energy, 2016, 19, 1107-1119.	1.9	391
2	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
3	Reliability Comparison of Wind Turbines With DFIG and PMG Drive Trains. IEEE Transactions on Energy Conversion, 2015, 30, 663-670.	3.7	154
4	Quantification of Condition Monitoring Benefit for Offshore Wind Turbines. Wind Engineering, 2007, 31, 267-285.	1.1	113
5	Advanced logistics planning for offshore wind farm operation and maintenance activities. Ocean Engineering, 2015, 101, 211-226.	1.9	110
6	Availability, operation and maintenance costs of offshore wind turbines with different drive train configurations. Wind Energy, 2017, 20, 361-378.	1.9	94
7	A Copula Model of Wind Turbine Performance. IEEE Transactions on Power Systems, 2011, 26, 965-966.	4.6	78
8	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
9	Development of a Combined Operational and Strategic Decision Support Model for Offshore Wind. Energy Procedia, 2013, 35, 157-166.	1.8	57
10	Economic analysis of condition monitoring systems for offshore wind turbine sub-systems. IET Renewable Power Generation, 2015, 9, 900-907.	1.7	50
11	Failure Rates of Offshore Wind Transmission Systems. Energies, 2019, 12, 2682.	1.6	23
12	Challenges of decommissioning offshore wind farms: Overview of the European experience. Journal of Physics: Conference Series, 2019, 1222, 012035.	0.3	23
13	A review of operations and maintenance modelling with considerations for novel wind turbine concepts. Renewable and Sustainable Energy Reviews, 2022, 165, 112581.	8.2	22
14	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
15	Probabilistic access forecasting for improved offshore operations. International Journal of Forecasting, 2021, 37, 134-150.	3.9	14
16	Statistical profiling of site wind resource speed and directional characteristics. IET Renewable Power Generation, 2013, 7, 583-592.	1.7	12
17	Cost Benefit Analysis of Mothership Concept and Investigation of Optimum Chartering Strategy for Offshore Wind Farms. Energy Procedia, 2015, 80, 63-71.	1.8	10
18	Decision Support Tool for Offshore Wind Farm Vessel Routing under Uncertainty. Energies, 2018, 11, 2190.	1.6	9

#	ARTICLE	IF	CITATIONS
19	The impact of maintenance contract arrangements on the yield of offshore wind power plants. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2015, 229, 394-402.	0.6	4
20	Heuristic algorithm for the problem of vessel routing optimisation for offshore wind farms. Journal of Engineering, 2017, 2017, 1159-1163.	0.6	4
21	Condition Monitoring Benefit for Operation Support of Offshore Wind Turbines. , 2014, , 169-182.		3
22	Statistical forecasting for offshore wind helicopter operations. , 2014, , .		2
23	A Data-driven Vessel Motion Model for Offshore Access Forecasting. , 2019, , .		2
24	Operation and Maintenance Modelling for Multi Rotor Systems: Bottlenecks in Operations. Journal of Physics: Conference Series, 2022, 2265, 042059.	0.3	2
25	Towards Reliability Centred Maintenance of Wind Turbines. , 2014, , 183-194.		1
26	Subseasonal-to-Seasonal Forecasting for Wind Turbine Maintenance Scheduling. Wind, 2022, 2, 260-287.	0.6	1
27	Quantification of Over-Speed Risk in Wind Turbine Fleets. IEEE Transactions on Sustainable Energy, 2011, 2, 487-494.	5.9	0
28	Optimisation of the bidding strategy for wind power trading. , 2015, , .		0
29	On modeling insights for emerging engineering problems: A case study on the impact of climate uncertainty on the operational performance of offshore wind farms. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2018, 232, 524-532.	0.6	0