

# Paul MacArtain

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

1,074  
citations

1162367

8  
h-index

1125271

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1405  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measured wind and morphological characteristics of a peri-urban environment and their impact on the performance of an operational large-scale wind turbine. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 212, 104592.	1.7	7
2	A comparison of four microscale wind flow models in predicting the real-world performance of a large-scale peri-urban wind turbine, using onsite LiDAR wind measurements. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101323.	1.7	3
3	Economic assessment of high renewable energy penetration scenario in 2030 on the interconnected Irish power system. <i>Energy Policy</i> , 2020, 145, 111774.	4.2	9
4	Assessing the benefits of decentralised residential batteries for load peak shaving. <i>Journal of Energy Storage</i> , 2020, 32, 101779.	3.9	28
5	Domestic Demand-Side Response: The Challenge for Heat Pumps in a Future UK's Decarbonised Heating Market. <i>Innovative Renewable Energy</i> , 2020, , 735-745.	0.2	0
6	An assessment of the mesoscale to microscale influences on wind turbine energy performance at a peri-urban coastal location from the Irish wind atlas and onsite LiDAR measurements. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 36, 100537.	1.7	13
7	Electricity autoproduction, storage and billing: A case study at Dundalk Institute of Technology, Ireland. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 35, 257-264.	1.7	4
8	The Role of Domestic Integrated Battery Energy Storage Systems for Electricity Network Performance Enhancement. <i>Energies</i> , 2019, 12, 3954.	1.6	15
9	Observed site obstacle impacts on the energy performance of a large scale urban wind turbine using an electrical energy rose. <i>Energy for Sustainable Development</i> , 2018, 43, 23-37.	2.0	19
10	Increased Benefit Of ZnBr Flow Battery With 33kWp PV System And Smart Tariff Structure. <i>Energy Procedia</i> , 2018, 155, 514-523.	1.8	1
11	Comparing the anaerobic digestion of <i>Ascophyllum nodosum</i> , the organic fraction of municipal solid waste and white rice in batch reactors. <i>International Journal of Ambient Energy</i> , 2015, 36, 262-265.	1.4	1
12	Technical Note: Blade Integrated Overspeed Protection for Small Turbines – Experimental Observations. <i>Wind Engineering</i> , 2014, 38, 117-120.	1.1	0
13	Nutritional Value of Edible Seaweeds. <i>Nutrition Reviews</i> , 2007, 65, 535-543.	2.6	176
14	Correlation of the Adhesive Properties of Cells to N-Isopropylacrylamide/N-tert-Butylacrylamide Copolymer Surfaces with Changes in Surface Structure Using Contact Angle Measurements, Molecular Simulations, and Raman Spectroscopy. <i>Chemistry of Materials</i> , 2005, 17, 3889-3898.	3.2	46
15	Physical characteristics of calcium induced $\hat{\Gamma}^2$ -carrageenan networks. <i>Carbohydrate Polymers</i> , 2003, 53, 395-400.	5.1	100
16	Nutritional Value of Edible Seaweeds. <i>Nutrition Reviews</i> , 0, 65, 535-543.	2.6	652