

# Edward Mackay

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1015367/publications.pdf>

Version: 2024-02-01

22  
papers

313  
citations

933447

10  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term extreme response of an offshore turbine: How accurate are contour-based estimates?. Renewable Energy, 2022, 181, 945-965.	8.9	8
2	Quantitative comparison of environmental contour approaches. Ocean Engineering, 2022, 245, 110374.	4.3	7
3	Marginal and total exceedance probabilities of environmental contours. Marine Structures, 2021, 75, 102863.	3.8	28
4	Comparison of Macro-Scale Porosity Implementations for CFD Modelling of Wave Interaction with Thin Porous Structures. Journal of Marine Science and Engineering, 2021, 9, 150.	2.6	6
5	A BEM model for wave forces on structures with thin porous elements. Journal of Fluids and Structures, 2021, 102, 103246.	3.4	33
6	The Green function for diffraction and radiation of regular waves by two-dimensional structures. European Journal of Mechanics, B/Fluids, 2021, 87, 151-160.	2.5	2
7	Quantifying the Effects of Wave-Current Interactions on Tidal Energy Resource at Sites in the English Channel Using Coupled Numerical Simulations. Energies, 2021, 14, 3625.	3.1	3
8	A benchmarking exercise for environmental contours. Ocean Engineering, 2021, 236, 109504.	4.3	26
9	Sampling properties and empirical estimates of extreme events. Ocean Engineering, 2021, 239, 109791.	4.3	5
10	Numerical simulation with a macroscopic CFD method and experimental analysis of wave interaction with fixed porous cylinder structures. Marine Structures, 2021, 80, 103096.	3.8	13
11	Using a porous-media approach for CFD modelling of wave interaction with thin perforated structures. Journal of Ocean Engineering and Marine Energy, 2021, 7, 1-23.	1.7	6
12	The effect of serial correlation in environmental conditions on estimates of extreme events. Ocean Engineering, 2021, 242, 110092.	4.3	14
13	Reducing conservatism in highest density environmental contours. Applied Ocean Research, 2021, 117, 102936.	4.1	9
14	Numerical and experimental modelling of wave interaction with fixed and floating porous cylinders. Ocean Engineering, 2021, 242, 110118.	4.3	24
15	Assessment of return value estimates from stationary and non-stationary extreme value models. Ocean Engineering, 2020, 207, 107406.	4.3	16
16	Comparison of analytical and numerical solutions for wave interaction with a vertical porous barrier. Ocean Engineering, 2020, 199, 107032.	4.3	52
17	Consistent expressions for the free-surface Green function in finite water depth. Applied Ocean Research, 2019, 93, 101965.	4.1	15
18	Assessment of extreme and metocean conditions in the Maldives for OTEC applications. International Journal of Energy Research, 2019, 43, 7316.	4.5	2

#	ARTICLE	IF	CITATIONS
19	Numerical and Experimental Modelling of Wave Loads on Thin Porous Sheets. , 2019, , .		6
20	A generalised equivalent storm model for long-term statistics of ocean waves. Coastal Engineering, 2018, 140, 411-428.	4.0	10
21	Long-term distributions of individual wave and crest heights. Ocean Engineering, 2018, 165, 164-183.	4.3	19
22	A unified model for unimodal and bimodal ocean wave spectra. International Journal of Marine Energy, 2016, 15, 17-40.	1.8	9