

Edward Mackay

List of Publications by Year in descending order

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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	Comparison of analytical and numerical solutions for wave interaction with a vertical porous barrier. <i>Ocean Engineering</i> , 2020, 199, 107032.	4.3	52
2	A BEM model for wave forces on structures with thin porous elements. <i>Journal of Fluids and Structures</i> , 2021, 102, 103246.	3.4	33
3	Marginal and total exceedance probabilities of environmental contours. <i>Marine Structures</i> , 2021, 75, 102863.	3.8	28
4	A benchmarking exercise for environmental contours. <i>Ocean Engineering</i> , 2021, 236, 109504.	4.3	26
5	Numerical and experimental modelling of wave interaction with fixed and floating porous cylinders. <i>Ocean Engineering</i> , 2021, 242, 110118.	4.3	24
6	Long-term distributions of individual wave and crest heights. <i>Ocean Engineering</i> , 2018, 165, 164-183.	4.3	19
7	Assessment of return value estimates from stationary and non-stationary extreme value models. <i>Ocean Engineering</i> , 2020, 207, 107406.	4.3	16
8	Consistent expressions for the free-surface Green function in finite water depth. <i>Applied Ocean Research</i> , 2019, 93, 101965.	4.1	15
9	The effect of serial correlation in environmental conditions on estimates of extreme events. <i>Ocean Engineering</i> , 2021, 242, 110092.	4.3	14
10	Numerical simulation with a macroscopic CFD method and experimental analysis of wave interaction with fixed porous cylinder structures. <i>Marine Structures</i> , 2021, 80, 103096.	3.8	13
11	A generalised equivalent storm model for long-term statistics of ocean waves. <i>Coastal Engineering</i> , 2018, 140, 411-428.	4.0	10
12	A unified model for unimodal and bimodal ocean wave spectra. <i>International Journal of Marine Energy</i> , 2016, 15, 17-40.	1.8	9
13	Reducing conservatism in highest density environmental contours. <i>Applied Ocean Research</i> , 2021, 117, 102936.	4.1	9
14	Long-term extreme response of an offshore turbine: How accurate are contour-based estimates?. <i>Renewable Energy</i> , 2022, 181, 945-965.	8.9	8
15	Quantitative comparison of environmental contour approaches. <i>Ocean Engineering</i> , 2022, 245, 110374.	4.3	7
16	Comparison of Macro-Scale Porosity Implementations for CFD Modelling of Wave Interaction with Thin Porous Structures. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 150.	2.6	6
17	Using a porous-media approach for CFD modelling of wave interaction with thin perforated structures. <i>Journal of Ocean Engineering and Marine Energy</i> , 2021, 7, 1-23.	1.7	6
18	Numerical and Experimental Modelling of Wave Loads on Thin Porous Sheets. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Sampling properties and empirical estimates of extreme events. <i>Ocean Engineering</i> , 2021, 239, 109791.	4.3	5
20	Quantifying the Effects of Wave-Current Interactions on Tidal Energy Resource at Sites in the English Channel Using Coupled Numerical Simulations. <i>Energies</i> , 2021, 14, 3625.	3.1	3
21	Assessment of extreme and metocean conditions in the Maldives for OTEC applications. <i>International Journal of Energy Research</i> , 2019, 43, 7316.	4.5	2
22	The Green function for diffraction and radiation of regular waves by two-dimensional structures. <i>European Journal of Mechanics, B/Fluids</i> , 2021, 87, 151-160.	2.5	2