

Helen Cm Smith

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

729
citations

687220

13
h-index

713332

21
g-index

21
all docs

21
docs citations

21
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling analysis of the sensitivity of shoreline change to a wave farm. <i>Ocean Engineering</i> , 2007, 34, 884-901.	1.9	131
2	Novel offshore application of photovoltaics in comparison to conventional marine renewable energy technologies. <i>Renewable Energy</i> , 2013, 50, 879-888.	4.3	83
3	Further analysis of change in nearshore wave climate due to an offshore wave farm: An enhanced case study for the Wave Hub site. <i>Renewable Energy</i> , 2012, 40, 51-64.	4.3	81
4	Wave resource assessment along the Cornish coast (UK) from a 23-year hindcast dataset validated against buoy measurements. <i>Renewable Energy</i> , 2013, 58, 1-14.	4.3	68
5	Predicting the large-scale consequences of offshore wind turbine array development on a North Sea ecosystem. <i>Continental Shelf Research</i> , 2014, 85, 60-72.	0.9	56
6	Mooring line fatigue damage evaluation for floating marine energy converters: Field measurements and prediction. <i>Renewable Energy</i> , 2014, 63, 133-144.	4.3	44
7	Geomorphological control on boulder transport and coastal erosion before, during and after an extreme extra-tropical cyclone. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 685-700.	1.2	43
8	A wave energy resource assessment case study: Review, analysis and lessons learnt. <i>Renewable Energy</i> , 2013, 60, 510-521.	4.3	42
9	Offshore aquaculture of finfish: Big expectations at sea. <i>Reviews in Aquaculture</i> , 2022, 14, 791-815.	4.6	35
10	Spatio-temporal variation in wave power and implications for electricity supply. <i>Renewable Energy</i> , 2017, 114, 154-165.	4.3	29
11	Modelling the hydrodynamic and morphological impacts of a tidal stream development in Ramsey Sound. <i>Renewable Energy</i> , 2018, 126, 876-887.	4.3	28
12	Re-creation of site-specific multi-directional waves with non-collinear current. <i>Ocean Engineering</i> , 2018, 152, 391-403.	1.9	20
13	Wave transformation across a macrotidal shore platform under low to moderate energy conditions. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 298-311.	1.2	14
14	Cumulative impact assessment of tidal stream energy extraction in the Irish Sea. <i>Ocean Engineering</i> , 2017, 137, 417-428.	1.9	12
15	Spatial variability of waves within a marine energy site using in-situ measurements and a high resolution spectral wave model. <i>Energy</i> , 2014, 66, 699-710.	4.5	11
16	Assessment of entanglement risk to marine megafauna due to offshore renewable energy mooring systems. <i>International Journal of Marine Energy</i> , 2015, 11, 27-49.	1.8	10
17	Environmental interactions of tidal lagoons: A comparison of industry perspectives. <i>Renewable Energy</i> , 2018, 119, 309-319.	4.3	9
18	Resource characterization of sites in the vicinity of an island near a landmass. <i>Renewable Energy</i> , 2017, 103, 265-276.	4.3	4

#	ARTICLE	IF	CITATIONS
19	Wave resource variability: Impacts on wave power supply over regional to international scales. Energy Procedia, 2017, 125, 240-249.	1.8	4
20	A systematic review of transferable solution options for the environmental impacts of tidal lagoons. Marine Policy, 2019, 99, 190-200.	1.5	3
21	Quantifying uncertainty in acoustic measurements of tidal flows using a "Virtual"™ Doppler Current Profiler. Ocean Engineering, 2017, 137, 404-416.	1.9	2