GrÃ©gory S Payne

List of Publications by Year
in descending order

15 papers	342 citations	1040056 9 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	300 citing authors

#	Article	IF	Citations
1	Influence of tidal turbine control on performance and loads. Applied Ocean Research, 2021, 114, 102806.	4.1	3
2	On the spectral behaviour of the turbulence-driven power fluctuations of horizontal-axis turbines. Journal of Fluid Mechanics, 2020, 904, .	3.4	18
3	Environmental & load data: 1:15 Scale tidal turbine subject to a variety of regular wave conditions. Data in Brief, 2019, 23, 103732.	1.0	1
4	An experimental investigation into non-linear wave loading on horizontal axis tidal turbines. Journal of Fluids and Structures, 2019, 84, 199-217.	3.4	56
5	Variation of loads on a three-bladed horizontal axis tidal turbine with frequency and blade position. Journal of Fluids and Structures, 2018, 83, 156-170.	3.4	35
6	The effects of oblique waves and currents on the loadings and performance of tidal turbines. Ocean Engineering, 2018, 164, 55-64.	4.3	45
7	Investigation into wave basin calibration based on a focused wave approach. Ocean Engineering, 2018, 152, 181-190.	4.3	1
8	Design and manufacture of a bed supported tidal turbine model for blade and shaft load measurement in turbulent flow and waves. Renewable Energy, 2017, 107, 312-326.	8.9	50
9	Experimental evaluation of the wake characteristics of cross flow turbine arrays. Ocean Engineering, 2017, 141, 215-226.	4.3	9
10	Impact of motion limits on sloped wave energy converter optimization. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150768.	2.1	0
11	Experimental and CFD analysis of the wake characteristics of tidal turbines. International Journal of Marine Energy, 2016, 16, 209-219.	1.8	16
12	On the concept of sloped motion for free-floating wave energy converters. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150238.	2.1	7
13	Parametric models for the performance of wave energy converters. Applied Ocean Research, 2012, 38, 112-124.	4.1	8
14	Assessment of boundary-element method for modelling a free-floating sloped wave energy device. Part 1: Numerical modelling. Ocean Engineering, 2008, 35, 333-341.	4.3	44
15	Assessment of boundary-element method for modelling a free-floating sloped wave energy device. Part 2: Experimental validation. Ocean Engineering, 2008, 35, 342-357.	4.3	49