Thomas A D Davey

List of Publications by Year
in descending order

30 papers	259 citations	933447 10 h-index	996975 15 g-index
30 all docs	30 docs citations	30 times ranked	161 citing authors

#	Article	IF	Citations
1	Wave breaking and jet formation on axisymmetric surface gravity waves. Journal of Fluid Mechanics, 2022, 935, .	3.4	5
2	An experimental assessment of the effect of current on wave buoy measurements. Coastal Engineering, 2022, 174, 104114.	4.0	2
3	Constructive interference effects for tidal turbine arrays. Journal of Fluid Mechanics, 2022, 943, .	3.4	9
4	Numerical Investigation of the Scaling Effects for a Point Absorber. Water (Switzerland), 2022, 14, 2156.	2.7	3
5	Tidal Energy Round Robin Tests: A Comparison of Flow Measurements and Turbine Loading. Journal of Marine Science and Engineering, 2021, 9, 425.	2.6	11
6	Accuracy Analysis of the Measurement of Centre of Gravity and Moment of Inertia with a Swing. Applied Sciences (Switzerland), 2021, 11, 5345.	2.5	3
7	Round Robin Testing: Exploring Experimental Uncertainties through a Multifacility Comparison of a Hinged Raft Wave Energy Converter. Journal of Marine Science and Engineering, 2021, 9, 946.	2.6	14
8	Hydrodynamic loads on a restrained ROV under waves and current. Ocean Engineering, 2021, 234, 109279.	4.3	22
9	Standardising Marine Renewable Energy Testing: Gap Analysis and Recommendations for Development of Standards. Journal of Marine Science and Engineering, 2021, 9, 971.	2.6	13
10	Experimental Data of Bottom Pressure and Free Surface Elevation including Wave and Current Interactions. Data, 2021, 6, 103.	2.3	1
11	Experimental Data of a Hexagonal Floating Structure under Waves. Data, 2021, 6, 105.	2.3	0
12	A framework for processing wave buoy measurements in the presence of current. Applied Ocean Research, 2021, 106, 102420.	4.1	9
13	MaRINET2 Tidal Energy Round Robin Tests—Performance Comparison of a Horizontal Axis Turbine Subjected to Combined Wave and Current Conditions. Journal of Marine Science and Engineering, 2020, 8, 463.	2.6	21
14	On the Use of a Single Beam Acoustic Current Profiler for Multi-Point Velocity Measurement in a Wave and Current Basin. Sensors, 2020, 20, 3881.	3.8	8
15	Single-Beam Acoustic Doppler Profiler and Co-Located Acoustic Doppler Velocimeter Flow Velocity Data. Data, 2020, 5, 61.	2.3	4
16	Experimental Force Data of a Restrained ROV under Waves and Current. Data, 2020, 5, 57.	2.3	22
17	Roll Motion of a Water Filled Floating Cylinder—Additional Experimental Verification. Water (Switzerland), 2020, 12, 2219.	2.7	9
18	Capturing the Motion of the Free Surface of a Fluid Stored within a Floating Structure. Water (Switzerland), 2019, 11, 50.	2.7	13

#	Article	IF	Citations
19	Experimental Data of a Floating Cylinder in a Wave Tank: Comparison Solid and Water Ballast. Data, 2019, 4, 146.	2.3	6
20	Comparison of a Floating Cylinder with Solid and Water Ballast. Water (Switzerland), 2019, 11, 2487.	2.7	8
21	Isolating incident and reflected wave spectra in the presence of current. Coastal Engineering Journal, 2018, 60, 39-50.	1.9	12
22	Experimental optimisation of power for large arrays of cross-flow tidal turbines. Renewable Energy, 2018, 116, 685-696.	8.9	17
23	Testing Marine Renewable Energy Devices in an Advanced Multi-Directional Combined Wave-Current Environment. , 2017, , .		1
24	Characterisation of current and turbulence in the FloWave Ocean Energy Research Facility. Ocean Engineering, 2017, 139, 103-115.	4.3	30
25	Simulating Extreme Directional Wave Conditions. Energies, 2017, 10, 1731.	3.1	8
26	Design diagrams for wavelength discrepancy in tank testing with inconsistently scaled intermediate water depth. International Journal of Marine Energy, 2017, 18, 109-113.	1.8	6
27	Site Specific Wave Characterisation for Marine Energy Applications. , 2010, , .		0
28	GETTING MORE FROM PHYSICAL MODELLING â€" MEASURING EXTREME RESPONSES USING IMPORTANCE SAMPLING. , 2009, , .		0
29	EXTREME RESPONSES AT BREAKWATERS â€" APPLICATION OF IMPORTANCE SAMPLING METHODS. , 2007, , .		0
30	Underwater LED-based Lagrangian particle tracking velocimetry. Journal of Visualization, 0, , 1.	1.8	2