

Thomas A D Davey

List of Publications by Year in descending order

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Version: 2024-02-01

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	Characterisation of current and turbulence in the FloWave Ocean Energy Research Facility. <i>Ocean Engineering</i> , 2017, 139, 103-115.	4.3	30
2	Experimental Force Data of a Restrained ROV under Waves and Current. <i>Data</i> , 2020, 5, 57.	2.3	22
3	Hydrodynamic loads on a restrained ROV under waves and current. <i>Ocean Engineering</i> , 2021, 234, 109279.	4.3	22
4	MaRINET2 Tidal Energy Round Robin Testsâ€™ Performance Comparison of a Horizontal Axis Turbine Subjected to Combined Wave and Current Conditions. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 463.	2.6	21
5	Experimental optimisation of power for large arrays of cross-flow tidal turbines. <i>Renewable Energy</i> , 2018, 116, 685-696.	8.9	17
6	Round Robin Testing: Exploring Experimental Uncertainties through a Multifacility Comparison of a Hinged Raft Wave Energy Converter. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 946.	2.6	14
7	Capturing the Motion of the Free Surface of a Fluid Stored within a Floating Structure. <i>Water (Switzerland)</i> , 2019, 11, 50.	2.7	13
8	Standardising Marine Renewable Energy Testing: Gap Analysis and Recommendations for Development of Standards. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 971.	2.6	13
9	Isolating incident and reflected wave spectra in the presence of current. <i>Coastal Engineering Journal</i> , 2018, 60, 39-50.	1.9	12
10	Tidal Energy Round Robin Tests: A Comparison of Flow Measurements and Turbine Loading. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 425.	2.6	11
11	Roll Motion of a Water Filled Floating Cylinderâ€™ Additional Experimental Verification. <i>Water (Switzerland)</i> , 2020, 12, 2219.	2.7	9
12	A framework for processing wave buoy measurements in the presence of current. <i>Applied Ocean Research</i> , 2021, 106, 102420.	4.1	9
13	Constructive interference effects for tidal turbine arrays. <i>Journal of Fluid Mechanics</i> , 2022, 943, .	3.4	9
14	Simulating Extreme Directional Wave Conditions. <i>Energies</i> , 2017, 10, 1731.	3.1	8
15	Comparison of a Floating Cylinder with Solid and Water Ballast. <i>Water (Switzerland)</i> , 2019, 11, 2487.	2.7	8
16	On the Use of a Single Beam Acoustic Current Profiler for Multi-Point Velocity Measurement in a Wave and Current Basin. <i>Sensors</i> , 2020, 20, 3881.	3.8	8
17	Experimental Data of a Floating Cylinder in a Wave Tank: Comparison Solid and Water Ballast. <i>Data</i> , 2019, 4, 146.	2.3	6
18	Design diagrams for wavelength discrepancy in tank testing with inconsistently scaled intermediate water depth. <i>International Journal of Marine Energy</i> , 2017, 18, 109-113.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Wave breaking and jet formation on axisymmetric surface gravity waves. Journal of Fluid Mechanics, 2022, 935, .	3.4	5
20	Single-Beam Acoustic Doppler Profiler and Co-Located Acoustic Doppler Velocimeter Flow Velocity Data. Data, 2020, 5, 61.	2.3	4
21	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
22	Numerical Investigation of the Scaling Effects for a Point Absorber. Water (Switzerland), 2022, 14, 2156.	2.7	3
23	Underwater LED-based Lagrangian particle tracking velocimetry. Journal of Visualization, 0, , 1.	1.8	2
24	An experimental assessment of the effect of current on wave buoy measurements. Coastal Engineering, 2022, 174, 104114.	4.0	2
25	Testing Marine Renewable Energy Devices in an Advanced Multi-Directional Combined Wave-Current Environment. , 2017, , .		1
26	Experimental Data of Bottom Pressure and Free Surface Elevation including Wave and Current Interactions. Data, 2021, 6, 103.	2.3	1
27	Experimental Data of a Hexagonal Floating Structure under Waves. Data, 2021, 6, 105.	2.3	0
28	EXTREME RESPONSES AT BREAKWATERS “ APPLICATION OF IMPORTANCE SAMPLING METHODS. , 2007, , .		0
29	GETTING MORE FROM PHYSICAL MODELLING “ MEASURING EXTREME RESPONSES USING IMPORTANCE SAMPLING. , 2009, , .		0
30	Site Specific Wave Characterisation for Marine Energy Applications. , 2010, , .		0