Nathan Tom

List of Publications by Year
in descending order

29	230	1307594 7	1372567 10
papers	citations	h-index	g-index

29	29	29	190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrodynamics and load shedding behavior of a variable-geometry oscillating surge wave energy converter (OSWEC). Renewable Energy, 2022, 194, 875-884.	8.9	7
2	Annual performance of the second-generation variable-geometry oscillating surge wave energy converter. Renewable Energy, 2021, 177, 242-258.	8.9	5
3	Performance Modeling of a Variable-Geometry Oscillating Surge Wave Energy Converter on a Raised Foundation. , 2021, , .		2
4	Experimental and numerical comparisons of a dual-flap floating oscillating surge wave energy converter in regular waves. Ocean Engineering, 2020, 196, 106575.	4.3	21
5	WEC fault modelling and condition monitoring: A graphâ€theoretic approach. IET Electric Power Applications, 2020, 14, 781-788.	1.8	6
6	Investigating the Impact of Power-Take-Off System Parameters and Control Law on a Rotational Wave Energy Converterâ€™s Peak-to-Average Power Ratio Reduction. , 2020, , .		1
7	Numerical Model Development of a Variable-Geometry Attenuator Wave Energy Converter. , 2020, , .		1
8	Development and Validation of Passive Yaw in the Open-Source WEC-Sim Code. , 2020, , .		1
9	Bichromatic Wave Selection for Validation of the Difference-Frequency Transfer Function for the OC6 Validation Campaign. , 2019, , .		4
10	The Wave Energy Converter Control Competition: Overview. , 2019, , .		6
11	Model Predictive Control of a Wave Energy Converter Using Duality Techniques. , 2019, , .		1
12	Balancing Power Absorption Against Structural Loads With Viscous Drag and Power-Takeoff Efficiency Considerations. IEEE Journal of Oceanic Engineering, 2018, 43, 1048-1067.	3.8	3
13	Numerical Model Development and Validation for the WECCCOMP Control Competition. , 2018, , .		9
14	Numerical Analysis on Hydraulic Power Take-Off for Wave Energy Converter and Power Smoothing Methods. , 2018, , .		14
15	Spectral modeling of an oscillating surge wave energy converter with control surfaces. Applied Ocean Research, 2016, 56, 143-156.	4.1	28
16	Experimental Confirmation of Nonlinear-Model- Predictive Control Applied Offline to a Permanent Magnet Linear Generator for Ocean-Wave Energy Conversion. IEEE Journal of Oceanic Engineering, 2016, 41, 281-295.	3.8	24
17	Demonstration of the Recent Additions in Modeling Capabilities for the WEC-Sim Wave Energy Converter Design Tool. , 2015, , .		5
18	Modeling of a Permanent Magnet Linear Generator for Wave-Energy Conversion. , 2015, , .		2

#	Article	IF	Citations
19	Nonlinear Model Predictive Control Applied to a Generic Ocean-Wave Energy Extractor1. Journal of Offshore Mechanics and Arctic Engineering, 2014, 136, .	1.2	22
20	A Comparison of Time Domain Methods for Asymmetric Roll Predictions. , 2014, , .		0
21	Confirmation of a Nonlinear Model Predictive Control Strategy Applied to a Permanent Magnet Linear Generator for Wave-Energy Conversion. , 2014, , .		3
22	Estimation of Onsite Wave Parameters From the WindFloat Platform. , 2013, , .		0
23	Performance Enhancements and Validations of a Generic Ocean-Wave Energy Extractor. Journal of Offshore Mechanics and Arctic Engineering, 2013, 135, .	1.2	14
24	Non-Linear Model Predictive Control Applied to a Generic Ocean-Wave Energy Extractor. , 2013, , .		6
25	VIM Testing of a Paired Column Semi Submersible. , 2013, , .		9
26	Design, Analysis, and Evaluation of the UC-Berkeley Wave-Energy Extractor. Journal of Offshore Mechanics and Arctic Engineering, 2012, 134, .	1.2	30
27	Performance Enhancements and Validations of the UC-Berkeley Ocean-Wave Energy Extractor. , 2012, , .		3
28	Analysis of Roll Motion due to Asymmetric Bilge Keels. , 2012, , .		2
29	Analysis, Design, and Evaluation of the UC-Berkeley Wave-Energy Extractor. , 2010, , .		1