

# Nathan Tom

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

230  
citations

1307594

7  
h-index

1372567

10  
g-index

29  
all docs

29  
docs citations

29  
times ranked

190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, Analysis, and Evaluation of the UC-Berkeley Wave-Energy Extractor. Journal of Offshore Mechanics and Arctic Engineering, 2012, 134, .	1.2	30
2	Spectral modeling of an oscillating surge wave energy converter with control surfaces. Applied Ocean Research, 2016, 56, 143-156.	4.1	28
3	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
4	Nonlinear Model Predictive Control Applied to a Generic Ocean-Wave Energy Extractor1. Journal of Offshore Mechanics and Arctic Engineering, 2014, 136, .	1.2	22
5	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
6	Performance Enhancements and Validations of a Generic Ocean-Wave Energy Extractor. Journal of Offshore Mechanics and Arctic Engineering, 2013, 135, .	1.2	14
7	Numerical Analysis on Hydraulic Power Take-Off for Wave Energy Converter and Power Smoothing Methods. , 2018, , .		14
8	VIM Testing of a Paired Column Semi Submersible. , 2013, , .		9
9	Numerical Model Development and Validation for the WECCOMP Control Competition. , 2018, , .		9
10	Hydrodynamics and load shedding behavior of a variable-geometry oscillating surge wave energy converter (OSWEC). Renewable Energy, 2022, 194, 875-884.	8.9	7
11	Non-Linear Model Predictive Control Applied to a Generic Ocean-Wave Energy Extractor. , 2013, , .		6
12	WEC fault modelling and condition monitoring: A graphâ€theoretic approach. IET Electric Power Applications, 2020, 14, 781-788.	1.8	6
13	The Wave Energy Converter Control Competition: Overview. , 2019, , .		6
14	Demonstration of the Recent Additions in Modeling Capabilities for the WEC-Sim Wave Energy Converter Design Tool. , 2015, , .		5
15	Annual performance of the second-generation variable-geometry oscillating surge wave energy converter. Renewable Energy, 2021, 177, 242-258.	8.9	5
16	Bichromatic Wave Selection for Validation of the Difference-Frequency Transfer Function for the OC6 Validation Campaign. , 2019, , .		4
17	Confirmation of a Nonlinear Model Predictive Control Strategy Applied to a Permanent Magnet Linear Generator for Wave-Energy Conversion. , 2014, , .		3
18	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

#	ARTICLE	IF	CITATIONS
19	Performance Enhancements and Validations of the UC-Berkeley Ocean-Wave Energy Extractor. , 2012, , .		3
20	Modeling of a Permanent Magnet Linear Generator for Wave-Energy Conversion. , 2015, , .		2
21	Performance Modeling of a Variable-Geometry Oscillating Surge Wave Energy Converter on a Raised Foundation. , 2021, , .		2
22	Analysis of Roll Motion due to Asymmetric Bilge Keels. , 2012, , .		2
23	Analysis, Design, and Evaluation of the UC-Berkeley Wave-Energy Extractor. , 2010, , .		1
24	Model Predictive Control of a Wave Energy Converter Using Duality Techniques. , 2019, , .		1
25	Investigating the Impact of Power-Take-Off System Parameters and Control Law on a Rotational Wave Energy Converter's Peak-to-Average Power Ratio Reduction. , 2020, , .		1
26	Numerical Model Development of a Variable-Geometry Attenuator Wave Energy Converter. , 2020, , .		1
27	Development and Validation of Passive Yaw in the Open-Source WEC-Sim Code. , 2020, , .		1
28	Estimation of Onsite Wave Parameters From the WindFloat Platform. , 2013, , .		0
29	A Comparison of Time Domain Methods for Asymmetric Roll Predictions. , 2014, , .		0