

Kelley M Ruehl

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

268
citations

1684188

5
h-index

1588992

8
g-index

17
all docs

17
docs citations

17
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical modeling of the effects of wave energy converter characteristics on nearshore wave conditions. <i>Renewable Energy</i> , 2016, 89, 636-648.	8.9	46
2	Preliminary Verification and Validation of WEC-Sim, an Open-Source Wave Energy Converter Design Tool. , 2014, , .		34
3	Ocean Energy Systems Wave Energy Modelling Task: Modelling, Verification and Validation of Wave Energy Converters. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 379.	2.6	30
4	Experimental and numerical comparisons of a dual-flap floating oscillating surge wave energy converter in regular waves. <i>Ocean Engineering</i> , 2020, 196, 106575.	4.3	21
5	Implementing Nonlinear Buoyancy and Excitation Forces in the WEC-Sim Wave Energy Converter Modeling Tool. , 2014, , .		20
6	Integrated System Design for a Large Wind Turbine Supported on a Moored Semi-Submersible Platform. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 9.	2.6	20
7	Large-scale ocean wave energy plant modeling. , 2010, , .		19
8	Wave Energy Development Roadmap: Design to commercialization. , 2012, , .		19
9	Computational modelling and experimental tank testing of the multi float WaveSub under regular wave forcing. <i>Renewable Energy</i> , 2020, 152, 892-909.	8.9	17
10	Development of PTO-Sim: A Power Performance Module for the Open-Source Wave Energy Converter Code WEC-Sim. , 2015, , .		9
11	Numerical Model Development and Validation for the WECCOMP Control Competition. , 2018, , .		9
12	Modeling of a Wave Energy Oscillating Water Column as a Point Absorber Using WEC-Sim. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 851-858.	8.8	5
13	Comparison of Numerical Methods for Modeling the Wave Field Effects Generated by Individual Wave Energy Converters and Multiple Converter Wave Farms. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 168.	2.6	5
14	Wave energy: a Pacific perspective. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 481-501.	3.4	4
15	WEC-Sim Phase 1 Validation Testing: Numerical Modeling of Experiments. , 2016, , .		4
16	WEC-Sim Phase 1 Validation Testing: Experimental Setup and Initial Results. , 2016, , .		3
17	Development of control-Sim: Control strategies for power take-off integrated wave energy converter. , 2017, , .		3