

Ronald W Yeung

List of Publications by Year in descending order

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papers

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38
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671
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic behavior of a circular floating solar pond with an entrapped two-layer fluid. <i>Physics of Fluids</i> , 2022, 34, .	4.0	5
2	On optimal energy-extraction performance of arrays of wave-energy converters, with full consideration of wave and multi-body interactions. <i>Ocean Engineering</i> , 2022, 250, 110863.	4.3	11
3	Experimental and numerical study of ship-to-ship interactions in overtaking manoeuvres. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20180748.	2.1	3
4	Model-Predictive Control Strategy for an Array of Wave-Energy Converters. <i>Journal of Marine Science and Application</i> , 2019, 18, 26-37.	1.7	16
5	Wave-body interactions among energy absorbers in a wave farm. <i>Applied Energy</i> , 2019, 233-234, 1051-1064.	10.1	27
6	Power-to-load balancing for heaving asymmetric wave-energy converters with nonideal power take-off. <i>Renewable Energy</i> , 2019, 131, 1208-1225.	8.9	14
7	An Efficient Convex Formulation for Model-Predictive Control on Wave-Energy Converters ¹ . <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2018, 140, .	1.2	3
8	On survivability of asymmetric wave-energy converters in extreme waves. <i>Renewable Energy</i> , 2018, 119, 891-909.	8.9	32
9	Radiation and Exciting Forces of Axisymmetric Structures with a Moonpool in Waves. <i>Journal of Marine Science and Application</i> , 2018, 17, 297-311.	1.7	6
10	Experimentally-based investigation of effects of wave interference on the wave resistance of asymmetric di-hulls. <i>Applied Ocean Research</i> , 2017, 65, 142-153.	4.1	4
11	Optimizing ocean-wave energy extraction of a dual coaxial-cylinder WEC using nonlinear model predictive control. <i>Applied Energy</i> , 2017, 187, 746-757.	10.1	68
12	Hybridization of Theory and Experiment in Optimizing Di-Hull Configuration With Respect to Wave Resistance. , 2017, , .		1
13	Hybrid testing of model-scale floating wind turbines using autonomous actuation and control. , 2016, , .		7
14	Performance validation and optimization of a dual coaxial-cylinder ocean-wave energy extractor. <i>Renewable Energy</i> , 2016, 92, 192-201.	8.9	54
15	Experimental Confirmation of Nonlinear-Model- Predictive Control Applied Offline to a Permanent Magnet Linear Generator for Ocean-Wave Energy Conversion. <i>IEEE Journal of Oceanic Engineering</i> , 2016, 41, 281-295.	3.8	24
16	Optimizing the Performance of a Dual Coaxial-Cylinder Wave-Energy Extractor. , 2015, , .		3
17	Computational Modeling of Rolling Wave-Energy Converters in a Viscous Fluid ¹ . <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2015, 137, .	1.2	4
18	Modeling of a Permanent Magnet Linear Generator for Wave-Energy Conversion. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
19	Nonlinear and unsteady waves generated by a traveling pressure distribution and the associated waveless shapes. <i>Journal of Engineering Mathematics</i> , 2015, 91, 1-16.	1.2	4
20	Diffraction and radiation loads on open cylinders of thin and arbitrary shapes. <i>Journal of Fluid Mechanics</i> , 2015, 772, 649-677.	3.4	8
21	Actuation of wind-loading torque on vertical axis turbines at model scale. , 2015, , .		3
22	Piezoelectric devices for ocean energy: a brief survey. <i>Journal of Ocean Engineering and Marine Energy</i> , 2015, 1, 101-118.	1.7	68
23	The "Berkeley Wedge" an asymmetrical energy-capturing floating breakwater of high performance. <i>Marine Systems and Ocean Technology</i> , 2014, 9, 5-16.	1.0	52
24	Hydroelastic response of a circular plate in waves on a two-layer fluid of finite depth. <i>China Ocean Engineering</i> , 2014, 28, 671-686.	1.6	3
25	Nonlinear Model Predictive Control Applied to a Generic Ocean-Wave Energy Extractor ¹ . <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2014, 136, .	1.2	22
26	Performance Enhancements and Validations of a Generic Ocean-Wave Energy Extractor. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2013, 135, .	1.2	14
27	Design, Analysis, and Evaluation of the UC-Berkeley Wave-Energy Extractor. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2012, 134, .	1.2	30
28	Interference resistance of multi-hull vessels in finite-depth waters. <i>Marine Systems and Ocean Technology</i> , 2012, 7, 107-116.	1.0	1
29	Viscous and inviscid matching of three-dimensional free-surface flows utilizing shell functions. <i>Journal of Engineering Mathematics</i> , 2011, 70, 43-66.	1.2	19
30	Unsteady three-dimensional sources for a two-layer fluid of finite depth and their applications. <i>Journal of Engineering Mathematics</i> , 2011, 70, 67-91.	1.2	14
31	Three-Dimensional Numerical Modeling of the Transient Fluid-Structural Interaction Response of Tidal Turbines. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2010, 132, .	1.2	34
32	Multihull and Surface-Effect Ship Configuration Design: A Framework for Powering Minimization. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2008, 130, .	1.2	14
33	Effects of Configuration on Wave Resistance of Multiple Pressure Distributions. <i>Marine Systems and Ocean Technology</i> , 2008, 4, 53-62.	1.0	2
34	On Helmholtz and higher-order resonance of twin floating bodies. <i>Journal of Engineering Mathematics</i> , 2007, 58, 251-265.	1.2	50
35	Added mass and damping of a vertical cylinder in finite-depth waters. <i>Applied Ocean Research</i> , 1981, 3, 119-133.	4.1	272
36	A hybrid integral-equation method for steady two-dimensional ship waves. <i>International Journal for Numerical Methods in Engineering</i> , 1979, 14, 317-336.	2.8	38

#	ARTICLE	IF	CITATIONS
37	On the interactions of slender ships in shallow water. <i>Journal of Fluid Mechanics</i> , 1978, 85, 143-159.	3.4	59
38	Sinkage and Trim in First-Order Thin-Ship Theory. <i>Journal of Ship Research</i> , 1972, 16, 47-59.	1.1	7