

Yingguang Wang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient method for predicting long term extreme design forces of wave energy converters. <i>Applied Ocean Research</i> , 2022, 121, 103094.	4.1	3
2	A novel method for the distribution and extrapolation of extreme sea state parameters. <i>Ocean Engineering</i> , 2022, 251, 111102.	4.3	3
3	A robust methodology for predicting extreme structural responses of offshore wind turbines. <i>Ships and Offshore Structures</i> , 2021, 16, 1078-1086.	1.9	1
4	Predicting loads and dynamic responses of an offshore wind turbine in a nonlinear mixed sea. <i>Ships and Offshore Structures</i> , 2021, 16, 373-385.	1.9	4
5	A second order random wave model for predicting the power performances of a wave energy converter. <i>Acta Oceanologica Sinica</i> , 2021, 40, 127-135.	1.0	2
6	A new method for predicting the extreme dynamic responses of wave energy converters. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2021, 174, 81-90.	0.2	1
7	Efficient computational method for the dynamic responses of a floating wind turbine. <i>Ships and Offshore Structures</i> , 2020, 15, 269-279.	1.9	3
8	A robust methodology for displaying two-dimensional environmental contours at two offshore sites. <i>Journal of Marine Science and Technology</i> , 2020, 25, 1063-1074.	2.9	9
9	Bottom effects on the tower base shear forces and bending moments of a shallow water offshore wind turbine. <i>Marine Structures</i> , 2020, 70, 102705.	3.8	5
10	A novel environmental contour method for predicting long-term extreme wave conditions. <i>Renewable Energy</i> , 2020, 162, 926-933.	8.9	3
11	Predicting absorbed power of a wave energy converter in a nonlinear mixed sea. <i>Renewable Energy</i> , 2020, 153, 362-374.	8.9	16
12	Efficient computational method for joint distributions of heights and periods of nonlinear ocean waves. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2019, 11, 597-605.	2.3	0
13	Efficient prediction of wave energy converters power output considering bottom effects. <i>Ocean Engineering</i> , 2019, 181, 89-97.	4.3	16
14	Comparison of a Lagrangian and a Gaussian model for power output predictions in a random sea. <i>Renewable Energy</i> , 2019, 134, 426-435.	8.9	4
15	Transformed Rayleigh distribution of trough depths for stochastic ocean waves. <i>Coastal Engineering</i> , 2018, 133, 106-112.	4.0	7
16	A novel method for predicting the power outputs of wave energy converters. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2018, 34, 644-652.	3.4	5
17	Towards realistically predicting the power outputs of wave energy converters: Nonlinear simulation. <i>Energy</i> , 2018, 144, 120-128.	8.8	13
18	A novel simulation method for predicting power outputs of wave energy converters. <i>Applied Ocean Research</i> , 2018, 80, 37-48.	4.1	12

#	ARTICLE	IF	CITATIONS
19	Optimal threshold selection in the POT method for extreme value prediction of the dynamic responses of a Spar-type floating wind turbine. <i>Ocean Engineering</i> , 2017, 134, 119-128.	4.3	21
20	Predicting the performance of a floating wind energy converter in a realistic sea. <i>Renewable Energy</i> , 2017, 101, 637-646.	8.9	3
21	Nonlinear crest distribution for shallow water Stokes waves. <i>Applied Ocean Research</i> , 2016, 57, 152-161.	4.1	6
22	Robust frequency-domain identification of parametric radiation force models for a floating wind turbine. <i>Ocean Engineering</i> , 2015, 109, 580-594.	4.3	5
23	A path integration algorithm for stochastic structural dynamic systems. <i>Applied Mathematics and Computation</i> , 2014, 228, 423-431.	2.2	5
24	Calculating crest statistics of shallow water nonlinear waves based on standard spectra and measured data at the Poseidon platform. <i>Ocean Engineering</i> , 2014, 87, 16-24.	4.3	28
25	Calculating nonlinear wave crest exceedance probabilities using a Transformed Rayleigh method. <i>Coastal Engineering</i> , 2013, 78, 1-12.	4.0	15
26	Establishing robust short-term distributions of load extremes of offshore wind turbines. <i>Renewable Energy</i> , 2013, 57, 606-619.	8.9	22
27	Spectral fatigue analysis of a ship structural detail – A practical case study. <i>International Journal of Fatigue</i> , 2010, 32, 310-317.	5.7	37
28	Nonlinear analysis of slow drift extreme responses of a compliant offshore structure. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 651-657.	3.4	4
29	A new method for structural safety and reliability analysis of offshore wind turbines. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 0, , 1-41.	0.2	1
30	On the robust performance analysis of coastal wave energy converters. <i>Proceedings of Institution of Civil Engineers: Energy</i> , 0, , 1-45.	0.6	1
31	Bivariate kernel density estimation for environmental contours at two offshore sites. <i>Ships and Offshore Structures</i> , 0, , 1-11.	1.9	4
32	A Robust Environmental Contour Method for Designing Offshore Structures. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 0, , .	1.9	0