

Xiang Yuan Zheng

List of Publications by Year in descending order

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docs citations

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times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint earthquake and wave action on the monopile wind turbine foundation: An experimental study. <i>Marine Structures</i> , 2015, 44, 125-141.	3.8	82
2	An Offshore Floating Windâ€“Solarâ€“Aquaculture System: Concept Design and Extreme Response in Survival Conditions. <i>Energies</i> , 2020, 13, 604.	3.1	38
3	Stochastic Response Analysis for a Floating Offshore Wind Turbine Integrated with a Steel Fish Farming Cage. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1229.	2.5	35
4	Polynomial Approximations of Wave Loading and Superharmonic Responses of Fixed Structures. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2003, 125, 161-167.	1.2	30
5	Offshore earthquake ground motions: Distinct features and influence on the seismic design of marine structures. <i>Marine Structures</i> , 2019, 65, 291-307.	3.8	17
6	An improved spectral discretization method for fatigue damage assessment of bimodal Gaussian processes. <i>International Journal of Fatigue</i> , 2019, 119, 268-280.	5.7	16
7	Experimental validation on the dynamic response of a novel floater uniting a vertical-axis wind turbine with a steel fishing cage. <i>Ocean Engineering</i> , 2022, 243, 110257.	4.3	14
8	Experimental study of the state-of-the-art offshore system integrating a floating offshore wind turbine with a steel fish farming cage. <i>Marine Structures</i> , 2021, 80, 103076.	3.8	11
9	Response Spectrum Estimation for Fixed Offshore Structures With Inundation Effect Included: A Priceâ€™s Theorem Approach. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2004, 126, 337-345.	1.2	9
10	Walsh Transform and Empirical Mode Decomposition Applied to Reconstruction of Velocity and Displacement from Seismic Acceleration Measurement. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3509.	2.5	9
11	Nonlinear stochastic responses of a newly developed floating wind-solar-aquaculture system. <i>Ocean Engineering</i> , 2021, 241, 110055.	4.3	9
12	Assessment of fatigue damage induced by Non-Gaussian bimodal processes with emphasis on spectral methods. <i>Ocean Engineering</i> , 2021, 220, 108489.	4.3	8
13	Least-Squares, Moment-Based, and Hybrid Polynomializations of Drag Forces. <i>Journal of Engineering Mechanics - ASCE</i> , 2004, 130, 294-302.	2.9	7
14	Temporal and spectral characteristics of seismic ground motions: Offshore versus onshore. <i>Marine Structures</i> , 2020, 74, 102812.	3.8	7
15	A Novel Multi-Sensor Fusion Algorithm Based on Uncertainty Analysis. <i>Sensors</i> , 2021, 21, 2713.	3.8	7
16	A Wet Gas Metering System Based on the Extended-Throat Venturi Tube. <i>Sensors</i> , 2021, 21, 2120.	3.8	6
17	Dynamic Responses of a Multilayered Transversely Isotropic Poroelastic Seabed Subjected to Ocean Waves and Currents. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 73.	2.6	6