

Peng Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Phononic band gaps by inertial amplification mechanisms in periodic composite sandwich beam with lattice truss cores. <i>Composite Structures</i> , 2020, 231, 111458.	5.8	35
2	Surface-Induced Desolvation of Hydronium Ion Enables Anatase TiO ₂ as an Efficient Anode for Proton Batteries. <i>Nano Letters</i> , 2021, 21, 7021-7029.	9.1	35
3	Univariate Lattice Parameter Modulation of Single-Crystal-like Anatase TiO ₂ Hierarchical Nanowire Arrays to Improve Photoactivity. <i>Chemistry of Materials</i> , 2021, 33, 1489-1497.	6.7	22
4	Multiple band gaps for efficient wave attenuation by inertial amplification in periodic functionally graded beams. <i>Composite Structures</i> , 2021, 271, 114130.	5.8	18
5	Boussinesq-Hydroelasticity coupled model to investigate hydroelastic responses and connector loads of an eight-module VLFS near islands in time domain. <i>Ocean Engineering</i> , 2019, 190, 106418.	4.3	15
6	Hydroelastic responses of a 3-module VLFS in the waves influenced by complicated geographic environment. <i>Ocean Engineering</i> , 2019, 184, 121-133.	4.3	15
7	Complex band structure and attenuation performance of a viscoelastic phononic crystal with finite out-of-plane extension. <i>Acta Mechanica</i> , 2021, 232, 2933-2954.	2.1	11
8	Co ³⁺ O Bond Elongation Unlocks Co ₃ O ₄ for Methane Activation under Ambient Conditions. <i>ACS Catalysis</i> , 2022, 12, 7037-7045.	11.2	9
9	The research and application progress of the isobaric ERD technique for SWRO desalination plant. , 0, 202, 14-26.		7
10	Application of the 3D time-domain Green's function for finite water depth in hydroelastic mechanics. <i>Ocean Engineering</i> , 2019, 189, 106386.	4.3	6
11	Irregular frequency elimination of three-dimensional hydroelasticity in frequency domain. <i>Ocean Engineering</i> , 2020, 196, 106817.	4.3	6
12	Nonlinear behaviour of fully grouted CHS X joints and associated representation for overall frame analysis. <i>Thin-Walled Structures</i> , 2020, 152, 106761.	5.3	6
13	Analysis on statistical uncertainties of wave loads and structural fatigue reliability for a semi-submersible platform. <i>Ocean Engineering</i> , 2021, 237, 109609.	4.3	5
14	Actively tuning of transverse wave band gaps in hybrid sandwich beam metamaterials with shunted piezoelectric array and inertial amplification mechanism. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 2520-2541.	2.5	5
15	Uncertainty analysis of hydroelastic responses and wave loads for different structural modeling and potential methods. <i>Ocean Engineering</i> , 2021, 222, 108529.	4.3	4
16	Combined backbone application on numerical simulations and a model experiment of a 20,000 TEU container ship. <i>Ocean Engineering</i> , 2021, 223, 108662.	4.3	4
17	Uncertainty analysis of linear vertical bending moment in model tests and numerical prediction. <i>Mechanical Systems and Signal Processing</i> , 2022, 178, 109331.	8.0	4
18	Cobalt/nickel oxide nanosheet arrays for electrocatalytic water oxidation: Size modulation, composition/phase control, and surface decoration. <i>Chemical Physics Letters</i> , 2020, 754, 137734.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Experimental investigation of nonlinear springing and fatigue assessment of a 308,000 DWT oil tanker and a 205,000 DWT bulk carrier in a basin. <i>Ocean Engineering</i> , 2020, 217, 107984.	4.3	2
20	Reduction of Sound Transmission Through Finite Clamped Metamaterial-Based Double-Wall Sandwich Plates with Poroelastic Cores. <i>Acta Acustica United With Acustica</i> , 2019, 105, 850-868.	0.8	1
21	Vibration Power Flow of an Infinite Cylindrical Shell Submerged in Viscous Fluids. <i>Shock and Vibration</i> , 2020, 2020, 1-14.	0.6	1