Peng Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5022501/publications.pdf

Version: 2024-02-01

21	214	1163117 8	1058476 14
papers	citations	h-index	g-index

21	21	21	92
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Actively tuning of transverse wave band gaps in hybrid sandwich beam metamaterials with shunted piezoelectric array and inertial amplification mechanism. Journal of Intelligent Material Systems and Structures, 2022, 33, 2520-2541.	2.5	5
2	Uncertainty analysis of linear vertical bending moment in model tests and numerical prediction. Mechanical Systems and Signal Processing, 2022, 178, 109331.	8.0	4
3	Co³⁺â€“O Bond Elongation Unlocks Co₃O₄ for Methane Activation under Ambient Conditions. ACS Catalysis, 2022, 12, 7037-7045.	11.2	9
4	Uncertainty analysis of hydroelastic responses and wave loads for different structural modeling and potential methods. Ocean Engineering, 2021, 222, 108529.	4.3	4
5	Univariate Lattice Parameter Modulation of Single-Crystal-like Anatase TiO₂ Hierarchical Nanowire Arrays to Improve Photoactivity. Chemistry of Materials, 2021, 33, 1489-1497.	6.7	22
6	Combined backbone application on numerical simulations and a model experiment of a 20,000 TEU container ship. Ocean Engineering, 2021, 223, 108662.	4.3	4
7	Complex band structure and attenuation performance of a viscoelastic phononic crystal with finite out-of-plane extension. Acta Mechanica, 2021, 232, 2933-2954.	2.1	11
8	Surface-Induced Desolvation of Hydronium Ion Enables Anatase TiO₂ as an Efficient Anode for Proton Batteries. Nano Letters, 2021, 21, 7021-7029.	9.1	35
9	Multiple band gaps for efficient wave attenuation by inertial amplification in periodic functionally graded beams. Composite Structures, 2021, 271, 114130.	5.8	18
10	Analysis on statistical uncertainties of wave loads and structural fatigue reliability for a semi-submersible platform. Ocean Engineering, 2021, 237, 109609.	4.3	5
11	Phononic band gaps by inertial amplification mechanisms in periodic composite sandwich beam with lattice truss cores. Composite Structures, 2020, 231, 111458.	5.8	35
12	Irregular frequency elimination of three-dimensional hydroelasticity in frequency domain. Ocean Engineering, 2020, 196, 106817.	4.3	6
13	Vibration Power Flow of an Infinite Cylindrical Shell Submerged in Viscous Fluids. Shock and Vibration, 2020, 2020, 1-14.	0.6	1
14	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. Ocean Engineering, 2020, 217, 107984.	4.3	2
15	Cobalt/nickel oxide nanosheet arrays for electrocatalytic water oxidation: Size modulation, composition/phase control, and surface decoration. Chemical Physics Letters, 2020, 754, 137734.	2.6	3
16	Nonlinear behaviour of fully grouted CHS X joints and associated representation for overall frame analysis. Thin-Walled Structures, 2020, 152, 106761.	5.3	6
17	Reduction of Sound Transmission Through Finite Clamped Metamaterial-Based Double-Wall Sandwich Plates with Poroelastic Cores. Acta Acustica United With Acustica, 2019, 105, 850-868.	0.8	1
18	Boussinesq-Hydroelasticity coupled model to investigate hydroelastic responses and connector loads of an eight-module VLFS near islands in time domain. Ocean Engineering, 2019, 190, 106418.	4.3	15

#	Article	IF	Citations
19	Application of the 3D time-domain Green's function for finite water depth in hydroelastic mechanics. Ocean Engineering, 2019, 189, 106386.	4.3	6
20	Hydroelastic responses of a 3-module VLFS in the waves influenced by complicated geographic environment. Ocean Engineering, 2019, 184, 121-133.	4.3	15
21	The research and application progress of the isobaric ERD technique for SWRO desalination plant. , 0, 202, 14-26.		7