

Yan Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

277
citations

1163117

8
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

221
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate and highly efficient algorithms for structural stationary/non-stationary random responses. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001, 191, 103-111.	6.6	127
2	Symplectic random vibration analysis of a vehicle moving on an infinitely long periodic track. <i>Journal of Sound and Vibration</i> , 2010, 329, 4440-4454.	3.9	35
3	Dynamic loading history and collapse analysis of the pipe during deepwater S-lay operation. <i>Marine Structures</i> , 2015, 40, 183-192.	3.8	23
4	Non-stationary random vibration of a coupled vehicle-slab track system using a parallel algorithm based on the pseudo excitation method. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2013, 227, 203-216.	2.0	22
5	Robust H ∞ control for aseismic structures with uncertainties in model parameters. <i>Earthquake Engineering and Engineering Vibration</i> , 2007, 6, 409-416.	2.3	14
6	A hybrid method for analysing stationary random vibration of structures with uncertain parameters. <i>Mechanical Systems and Signal Processing</i> , 2022, 164, 108259.	8.0	10
7	Nonstationary seismic response analysis of long-span structures by frequency domain method considering wave passage effect. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 109, 1-9.	3.8	8
8	Experimental study on dynamic interaction between pipe and rollers in deep S-lay. <i>Ocean Engineering</i> , 2019, 175, 188-196.	4.3	8
9	Symplectic Framework-Based New Analytic Solutions for Thermal Buckling of Temperature-Dependent Moderately Thick Functionally Graded Rectangular Plates. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	2.4	8
10	Random vibration analysis for coupled vehicle-track systems with uncertain parameters. <i>Engineering Computations</i> , 2016, 33, .	1.4	6
11	Identification of the power spectral density of vertical track irregularities based on inverse pseudo-excitation method and symplectic mathematical method. <i>Inverse Problems in Science and Engineering</i> , 2014, 22, 334-350.	1.2	4
12	Numerical Analysis of Thermoacoustic Characteristics of Components inside a Complex Aircraft Related to the Coupling Effect of High Temperature and Random Vibration. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2015, 34, 119-135.	2.9	4
13	Symplectic Approach on the Wave Propagation Problem for Periodic Structures with Uncertainty. <i>Acta Mechanica Solida Sinica</i> , 2019, 32, 287-297.	1.9	3
14	A general symplectic method for the response analysis of infinitely periodic structures subjected to random excitations. <i>Latin American Journal of Solids and Structures</i> , 2012, 9, 1-11.	1.0	2
15	Stochastic model updating for assembled structures with bolted joints using a Bayesian method. <i>Engineering Optimization</i> , 2022, 54, 1919-1937.	2.6	2
16	Power spectral density analysis for nonlinear systems based on Volterra series. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 1743-1758.	3.6	1
17	Bayesian identification of bolted-joint parameters using measured power spectral density. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2020, 234, 260-274.	0.7	0