Wang Yong

List of Publications by Year
in descending order

18 papers	177 citations	1478505 6 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	121 citing authors

#	Article	IF	Citations
1	Distilling slow process probability density from fast random data. Mechanical Systems and Signal Processing, 2022, 175, 109156.	8.0	3
2	Rapid identification of switched systems: A data-driven method in variational framework. Science China Technological Sciences, 2021, 64, 148-156.	4.0	7
3	Data-Driven Method for Response Control of Nonlinear Random Dynamical Systems. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	2.2	2
4	Explicit expression of stationary response probability density for nonlinear stochastic systems. Acta Mechanica, 2021, 232, 2101-2114.	2.1	2
5	Data-driven method for dimension reduction of nonlinear randomly vibrating systems. Nonlinear Dynamics, 2021, 105, 1297-1311.	5.2	7
6	Multiple Impact Phenomenon in Impact Hammer Testing: Theoretical Analysis and Numerical Simulation. Acta Mechanica Solida Sinica, 2021, 34, 830-843.	1.9	2
7	Stochastic averaging in parametric regions near separatrices of integrability. Probabilistic Engineering Mechanics, 2021, 66, 103165.	2.7	0
8	Stationary response probability density of nonlinear random vibrating systems: a data-driven method. Nonlinear Dynamics, 2020, 100, 2337-2352.	5.2	11
9	Direct control method for improving stability and reliability of nonlinear stochastic dynamical systems. Probabilistic Engineering Mechanics, 2020, 61, 103078.	2.7	3
10	A machine learning-based method to design modular metamaterials. Extreme Mechanics Letters, 2020, 36, 100657.	4.1	65
11	Data-driven automated discovery of variational laws hidden in physical systems. Journal of the Mechanics and Physics of Solids, 2020, 137, 103871.	4.8	30
12	Random vibration control for multi-degree-of-freedom mechanical systems with soft actuators. International Journal of Non-Linear Mechanics, 2019, 113, 44-54.	2.6	5
13	Stochastic Averaging-Based Direct Method for Response Control of Nonlinear Vibrating System. Journal of Engineering Mechanics - ASCE, 2019, 145, 04019015.	2.9	6
14	Trajectory control and random vibration control of nonlinear system with dielectric elastomer actuator. Journal of Intelligent Material Systems and Structures, 2018, 29, 2424-2436.	2.5	6
15	Optimal bounded parametric control for random vibration of dielectric elastomer balloon. Nonlinear Dynamics, 2018, 94, 1081-1093.	5.2	7
16	Response analysis of dielectric elastomer spherical membrane to harmonic voltage and random pressure. Smart Materials and Structures, 2017, 26, 035063.	3.5	11
17	Non-linear stochastic optimal control of acceleration parametrically excited systems. International Journal of Systems Science, 2016, 47, 561-571.	5.5	6
18	Probabilistic tracking control of dissipated Hamiltonian systems excited by Gaussian white noises. International Journal of Systems Science, 0, , 1-16.	5.5	4