

Jie Hong

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

479
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Compression mechanics of nickel-based superalloy metal rubber. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 580, 305-312.	5.6	83
2	The mechanics of shape memory alloy metal rubber. <i>Acta Materialia</i> , 2015, 96, 89-100.	7.9	74
3	Tuning the vibration of a rotor with shape memory alloy metal rubber supports. <i>Journal of Sound and Vibration</i> , 2015, 351, 1-16.	3.9	57
4	An effective numerical method for calculating nonlinear dynamics of structures with dry friction: application to predict the vibration response of blades with underplatform dampers. <i>Nonlinear Dynamics</i> , 2017, 88, 223-237.	5.2	42
5	Interfacial contact stiffness of fractal rough surfaces. <i>Scientific Reports</i> , 2017, 7, 12874.	3.3	38
6	Optimization of dynamics of non-continuous rotor based on model of rotor stiffness. <i>Mechanical Systems and Signal Processing</i> , 2019, 131, 166-182.	8.0	38
7	Dynamic behavior of aero-engine rotor with fusing design suffering blade off. <i>Chinese Journal of Aeronautics</i> , 2017, 30, 918-931.	5.3	28
8	Size-dependent mechanical behavior and boundary layer effects in entangled metallic wire material systems. <i>Journal of Materials Science</i> , 2017, 52, 3741-3756.	3.7	27
9	Compressive and dissipative behavior of metal rubber under constraints. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1675-1681.	1.5	22
10	Experimental investigation on the vibration tuning of a shell with a shape memory alloy ring. <i>Smart Materials and Structures</i> , 2015, 24, 105007.	3.5	16
11	Experimental investigation on the dynamic mechanical properties of soft magnetic entangled metallic wire material. <i>Smart Materials and Structures</i> , 2017, 26, 055019.	3.5	12
12	Experimental investigation on shape memory alloy metal rubber. <i>Science China Technological Sciences</i> , 2013, 56, 1949-1955.	4.0	10
13	Tunable mechanical characteristics of a novel soft magnetic entangled metallic wire material. <i>Smart Materials and Structures</i> , 2016, 25, 095015.	3.5	10
14	Research on Blade-Casing Rub-Impact Mechanism by Experiment and Simulation in Aeroengines. <i>Shock and Vibration</i> , 2019, 2019, 1-15.	0.6	8
15	Bending and vibration of a discontinuous beam with a curvic coupling under different axial forces. <i>Frontiers of Mechanical Engineering</i> , 2020, 15, 417-429.	4.3	5
16	Research on the variable mechanical properties and application in vibration control of soft magnetic entangled metallic wire material. <i>Smart Materials and Structures</i> , 2021, 30, 045026.	3.5	4
17	A Novel Test Rig for the Basic Nonlinear Characterization of Bolted Joints. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5613.	2.5	2
18	Nonlinear Dynamics of an Elastic Stop System and Its Application in a Rotor System. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5103.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Modelling and stress analysis for double-row curvic couplings. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 4231-4243.	2.1	1
20	A Model accounting for Stiffness Weakening of Curvic Couplings under Various Loading Conditions. Mathematical Problems in Engineering, 2020, 2020, 1-17.	1.1	0