

Jie Hong

List of Publications by Year in descending order

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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	Nonlinear Dynamics of an Elastic Stop System and Its Application in a Rotor System. Applied Sciences (Switzerland), 2022, 12, 5103.	2.5	2
2	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
3	Research on the variable mechanical properties and application in vibration control of soft magnetic entangled metallic wire material. Smart Materials and Structures, 2021, 30, 045026.	3.5	4
4	A Novel Test Rig for the Basic Nonlinear Characterization of Bolted Joints. Applied Sciences (Switzerland), 2021, 11, 5613.	2.5	2
5	A Model accounting for Stiffness Weakening of Curvic Couplings under Various Loading Conditions. Mathematical Problems in Engineering, 2020, 2020, 1-17.	1.1	0
6	Bending and vibration of a discontinuous beam with a curvic coupling under different axial forces. Frontiers of Mechanical Engineering, 2020, 15, 417-429.	4.3	5
7	Optimization of dynamics of non-continuous rotor based on model of rotor stiffness. Mechanical Systems and Signal Processing, 2019, 131, 166-182.	8.0	38
8	Research on Blade-Casing Rub-Impact Mechanism by Experiment and Simulation in Aeroengines. Shock and Vibration, 2019, 2019, 1-15.	0.6	8
9	Experimental investigation on the dynamic mechanical properties of soft magnetic entangled metallic wire material. Smart Materials and Structures, 2017, 26, 055019.	3.5	12
10	An effective numerical method for calculating nonlinear dynamics of structures with dry friction: application to predict the vibration response of blades with underplatform dampers. Nonlinear Dynamics, 2017, 88, 223-237.	5.2	42
11	Interfacial contact stiffness of fractal rough surfaces. Scientific Reports, 2017, 7, 12874.	3.3	38
12	Dynamic behavior of aero-engine rotor with fusing design suffering blade off. Chinese Journal of Aeronautics, 2017, 30, 918-931.	5.3	28
13	Size-dependent mechanical behavior and boundary layer effects in entangled metallic wire material systems. Journal of Materials Science, 2017, 52, 3741-3756.	3.7	27
14	Tunable mechanical characteristics of a novel soft magnetic entangled metallic wire material. Smart Materials and Structures, 2016, 25, 095015.	3.5	10
15	Compressive and dissipative behavior of metal rubber under constraints. Physica Status Solidi (B): Basic Research, 2015, 252, 1675-1681.	1.5	22
16	Tuning the vibration of a rotor with shape memory alloy metal rubber supports. Journal of Sound and Vibration, 2015, 351, 1-16.	3.9	57
17	The mechanics of shape memory alloy metal rubber. Acta Materialia, 2015, 96, 89-100.	7.9	74
18	Experimental investigation on the vibration tuning of a shell with a shape memory alloy ring. Smart Materials and Structures, 2015, 24, 105007.	3.5	16

#	ARTICLE	IF	CITATIONS
19	Experimental investigation on shape memory alloy metal rubber. Science China Technological Sciences, 2013, 56, 1949-1955.	4.0	10
20	Compression mechanics of nickel-based superalloy metal rubber. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 580, 305-312.	5.6	83