

Mu-Qing Niu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

268
citations

840776

11
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

218
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of vibration control and energy harvesting for whole-spacecraft: Experiments and theory. <i>Mechanical Systems and Signal Processing</i> , 2021, 161, 107956.	8.0	28
2	Parameter identification of Jiles's Atherton model for magnetostrictive actuator using hybrid niching coral reefs optimization algorithm. <i>Sensors and Actuators A: Physical</i> , 2017, 261, 184-195.	4.1	24
3	Adaptive infinite impulse response system identification using opposition based hybrid coral reefs optimization algorithm. <i>Applied Intelligence</i> , 2018, 48, 1689-1706.	5.3	24
4	Analysis of a bio-inspired vibration isolator with a compliant limb-like structure. <i>Mechanical Systems and Signal Processing</i> , 2022, 179, 109348.	8.0	24
5	A high-static-low-dynamics stiffness vibration isolator via an elliptical ring. <i>Mechanical Systems and Signal Processing</i> , 2022, 162, 108061.	8.0	23
6	Nonlinear vibration isolation via a compliant mechanism and wire ropes. <i>Nonlinear Dynamics</i> , 2022, 107, 1687-1702.	5.2	22
7	Dynamic modelling of magnetostrictive actuator with fully coupled magneto-mechanical effects and various eddy-current losses. <i>Sensors and Actuators A: Physical</i> , 2017, 258, 163-173.	4.1	19
8	Adaptive trajectory tracking of magnetostrictive actuator based on preliminary hysteresis compensation and further adaptive filter controller. <i>Nonlinear Dynamics</i> , 2018, 92, 1109-1118.	5.2	17
9	Spline adaptive filter with fractional-order adaptive strategy for nonlinear model identification of magnetostrictive actuator. <i>Nonlinear Dynamics</i> , 2017, 90, 1647-1659.	5.2	15
10	Modelling and parameter design of a 3-DOF compliant platform driven by magnetostrictive actuators. <i>Precision Engineering</i> , 2020, 66, 255-268.	3.4	14
11	Two generalized models for planar compliant mechanisms based on tree structure method. <i>Precision Engineering</i> , 2018, 51, 137-144.	3.4	12
12	Modeling and optimization of magnetostrictive actuator amplified by compliant mechanism. <i>Smart Materials and Structures</i> , 2017, 26, 095029.	3.5	10
13	Dynamic/static displacement sensor based on magnetoelectric composites. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	10
14	Research on linear/nonlinear viscous damping and hysteretic damping in nonlinear vibration isolation systems. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 983-998.	3.6	8
15	Dynamic effect of constant inertial acceleration on vibration isolation system with high-order stiffness and Bouc-Wen hysteresis. <i>Nonlinear Dynamics</i> , 2021, 103, 2227-2240.	5.2	8
16	Static nonlinear model of both ends clamped magnetoelectric heterostructures with fully magneto-mechanical coupling. <i>Composite Structures</i> , 2018, 201, 625-635.	5.8	5
17	Nonlinear Vibration Isolation via a NiTiNOL Wire Rope. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10032.	2.5	3
18	Electrical-Magnetic-Mechanical Modeling of a Novel Vibration Shaker Based on a Rotary Permanent Magnet. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Micropositioning Control for an Amplified Magnetostrictive-Actuated Device. , 2017, , .		0
20	Hybrid Frequency-dependent Hysteresis Model of Magnetostrictive Actuator. IOP Conference Series: Materials Science and Engineering, 2018, 378, 012013.	0.6	0
21	Notice of Removal: Hybrid Frequency-Dependent Hysteresis Model of Magnetostrictive Actuator. , 2017, , .		0