Chang-Rong Liao

List of Publications by Year
in descending order

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		1040056	794594
27	383	9	19
papers	citations	h-index	g-index

27	27	27	333
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and rheological characteristics of high viscosity linear polysiloxane carrier fluid-based magnetorheological fluids. Smart Materials and Structures, 2022, 31, 015041.	3.5	3
2	ANFIS with input space division for modeling magnetorheological energy absorber. International Journal of Mechanical Sciences, 2022, 221, 107183.	6.7	4
3	Magnetically induced robust anisotropic structure of multi-walled carbon nanotubes/Ni for high-performance flexible strain sensor. Carbon, 2022, 194, 185-196.	10.3	23
4	Study on sliding friction characteristics of magnetorheological elastomerâ€"copper pair affected by magnetic-controlled surface roughness and elastic modulus. Smart Materials and Structures, 2022, 31, 015030.	3.5	3
5	Self-powered Vibration Detector for the Intelligent Vibration Control System Based on Triboelectric Nanogenerator. , 2022, , .		0
6	Analytical modeling and experimental verification for linearly gradient thickness disk springs. Thin-Walled Structures, 2021, 167, 108153.	5.3	8
7	A Dynamic Model and Parameter Identification of High Viscosity Magnetorheological Fluid-Based Energy Absorber with Radial Flow Mode. Molecules, 2021, 26, 7059.	3.8	0
8	Tribo-material based on a magnetic polymeric composite for enhancing the performance of triboelectric nanogenerator. Nano Energy, 2020, 78, 105402.	16.0	10
9	Capacitance creep and recovery behavior of magnetorheological elastomers. Journal of Intelligent Material Systems and Structures, 2020, , 1045389X2096991.	2.5	2
10	A theoretical analysis on crush characteristics of corrugated tube under axial impact and experimental verification. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	6
11	A comparative analysis of magnetorheological energy absorber models under impact conditions. Smart Materials and Structures, 2019, 28, 067001.	3.5	10
12	A design methodology based on full dynamic model for magnetorheological energy absorber equipped with disc springs. Smart Materials and Structures, 2019, 28, 065020.	3.5	8
13	Effective design strategy for a high-viscosity magnetorheological fluidâ€"based energy absorber with multi-stage radial flow mode. Journal of Intelligent Material Systems and Structures, 2019, 30, 127-139.	2.5	11
14	Piezo-capacitive behavior of a magnetically structured particle-based conductive polymer with high sensitivity and a wide working range. Journal of Materials Chemistry C, 2018, 6, 5401-5411.	5.5	12
15	Modeling and testing of magnetorheological energy absorbers considering inertia effect with non-averaged acceleration under impact conditions. Smart Materials and Structures, 2018, 27, 115028.	3.5	18
16	Study of radial flow mode magnetorheological energy absorber with center drain hole. Smart Materials and Structures, 2018, 27, 105008.	3.5	9
17	Impact behavior of a high viscosity magnetorheological fluid-based energy absorber with a radial flow mode. Smart Materials and Structures, 2017, 26, 025025.	3.5	21
18	Capacitive pressure-sensitive composites using nickelâ€"silicone rubber: experiments and modeling. Smart Materials and Structures, 2017, 26, 075003.	3.5	7

#	Article	IF	Citations
19	Long term stability of magnetorheological fluids using high viscosity linear polysiloxane carrier fluids. Smart Materials and Structures, 2016, 25, 075006.	3.5	33
20	Dynamic mechanical properties of magnetorheological elastomers based on polyurethane matrix. Polymer Composites, 2016, 37, 1587-1595.	4.6	44
21	Characterization of stratification for an opaque highly stable magnetorheological fluid using vertical axis inductance monitoring system. Journal of Applied Physics, 2015, 117, .	2.5	30
22	Comparative research on semi-active control strategies forÂmagneto-rheological suspension. Nonlinear Dynamics, 2010, 59, 433-453.	5.2	117
23	Rapid control prototyping development of intelligent control system of vehicle semi-active suspension. , 2008, , .		2
24	Attitude control for rapid robot with Human simulated intelligent control theory. , 2008, , .		0
25	Research on Vehicle Magneto-rheological Suspensions Vibration Control and Test. , 2006, , .		0
26	Unsteady extension of quasi-steady physical modeling and experimental verification of a magnetorheological energy absorber. Frontiers in Materials, 0, 9, .	2.4	1
27	Non-dimensional analysis of an unsteady flow in a magnetorheological damper. Physics of Fluids, 0, , .	4.0	1