

Lei Xie

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

175
citations

1163117

8
h-index

1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	Long term stability of magnetorheological fluids using high viscosity linear polysiloxane carrier fluids. <i>Smart Materials and Structures</i> , 2016, 25, 075006.	3.5	33
2	Characterization of stratification for an opaque highly stable magnetorheological fluid using vertical axis inductance monitoring system. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	30
3	Impact behavior of a high viscosity magnetorheological fluid-based energy absorber with a radial flow mode. <i>Smart Materials and Structures</i> , 2017, 26, 025025.	3.5	21
4	Force-Sensitive Interface Engineering in Flexible Pressure Sensors: A Review. <i>Sensors</i> , 2022, 22, 2652.	3.8	14
5	Piezo-capacitive behavior of a magnetically structured particle-based conductive polymer with high sensitivity and a wide working range. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5401-5411.	5.5	12
6	Effective design strategy for a high-viscosity magnetorheological fluid-based energy absorber with multi-stage radial flow mode. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 127-139.	2.5	11
7	Tribo-material based on a magnetic polymeric composite for enhancing the performance of triboelectric nanogenerator. <i>Nano Energy</i> , 2020, 78, 105402.	16.0	10
8	Study of radial flow mode magnetorheological energy absorber with center drain hole. <i>Smart Materials and Structures</i> , 2018, 27, 105008.	3.5	9
9	A design methodology based on full dynamic model for magnetorheological energy absorber equipped with disc springs. <i>Smart Materials and Structures</i> , 2019, 28, 065020.	3.5	8
10	Analytical modeling and experimental verification for linearly gradient thickness disk springs. <i>Thin-Walled Structures</i> , 2021, 167, 108153.	5.3	8
11	Capacitive pressure-sensitive composites using nickel-silicone rubber: experiments and modeling. <i>Smart Materials and Structures</i> , 2017, 26, 075003.	3.5	7
12	A theoretical analysis on crush characteristics of corrugated tube under axial impact and experimental verification. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	6
13	Magnetic field dependent viscoelasticity of a highly stable magnetorheological fluid under oscillatory shear. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	4
14	Capacitance creep and recovery behavior of magnetorheological elastomers. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, , 1045389X2096991.	2.5	2
15	Design and application of voice control system in smart home. , 2015, , .		0
16	Simulation study on effect of drill pipe eccentricity on cuttings transportation in wellbores based on kinetic theory of granular flow. <i>Petroleum Science and Technology</i> , 0, , 1-31.	1.5	0
17	Self-powered Vibration Detector for the Intelligent Vibration Control System Based on Triboelectric Nanogenerator. , 2022, , .		0