

# Huixing Wang

## List of Publications by Year in descending order

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14  
papers

145  
citations

1307594

7  
h-index

1199594

12  
g-index

14  
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14  
docs citations

14  
times ranked

63  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of temperature on rheological properties of lithium-based magnetorheological grease. <i>Smart Materials and Structures</i> , 2019, 28, 035002.	3.5	41
2	Dynamic rheological properties of polyurethane-based magnetorheological gels studied using oscillation shear tests. <i>RSC Advances</i> , 2019, 9, 10124-10134.	3.6	17
3	Development and dynamic performance test of magnetorheological material for recoil of gun. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	11
4	Quasi-Static Rheological Properties of Lithium-Based Magnetorheological Grease under Large Deformation. <i>Materials</i> , 2019, 12, 2431.	2.9	10
5	Magneto-induced rheological properties of magnetorheological gel under quasi-static shear with large deformation. <i>RSC Advances</i> , 2020, 10, 31691-31704.	3.6	10
6	Characterization of nonlinear viscoelasticity of magnetorheological grease under large oscillatory shear by using Fourier transform-Chebyshev analysis. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 614-631.	2.5	10
7	Development of a four-parameter phenomenological model for the nonlinear viscoelastic behaviour of magnetorheological gels. <i>Materials and Design</i> , 2020, 194, 108935.	7.0	9
8	Modeling the non-linear rheological behavior of magnetorheological gel using a computationally efficient model. <i>Smart Materials and Structures</i> , 2020, 29, 105021.	3.5	8
9	Magneto-Induced Normal Stress of Magnetorheological Gel Under Quasi-Static Monotonic and Periodically Cyclic Loading. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	7
10	A heavy-duty magnetorheological fluid mount with flow and squeeze model. <i>Smart Materials and Structures</i> , 2021, 30, 085012.	3.5	6
11	Temperature-dependent dynamic properties of magnetorheological gel composite: experiment and modeling. <i>Smart Materials and Structures</i> , 2022, 31, 035002.	3.5	6
12	Normal force of lithium-based magnetorheological grease under quasi-static shear with large deformation. <i>RSC Advances</i> , 2019, 9, 27167-27175.	3.6	5
13	Influence of Kinematic Viscosity of Base Oil on Magnetorheological Grease. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2023, 28, 676-685.	0.9	3
14	Field-Dependent Frequency-Dependent Non-linear Rheological Behavior of Magnetorheological Grease Under Large Amplitude Oscillatory Shear. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	2