

# Yangguang Xu

## List of Publications by Year in descending order

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23  
papers

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citations

623734

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752698

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docs citations

23  
times ranked

521  
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-performance magnetorheological material: preparation, characterization and magnetic-mechanic coupling properties. <i>Soft Matter</i> , 2011, 7, 5246.	2.7	145
2	Soft magnetorheological polymer gels with controllable rheological properties. <i>Smart Materials and Structures</i> , 2013, 22, 075029.	3.5	83
3	The investigation on the nonlinearity of plasticine-like magnetorheological material under oscillatory shear rheometry. <i>Journal of Rheology</i> , 2012, 56, 1375-1391.	2.6	73
4	Creep and recovery behaviors of magnetorheological elastomer and its magnetic-dependent properties. <i>Soft Matter</i> , 2012, 8, 8483.	2.7	73
5	Control of the Damping Properties of Magnetorheological Elastomers by Using Polycaprolactone as a Temperature-Controlling Component. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 6395-6403.	3.7	55
6	Simulation of magneto-induced rearrangeable microstructures of magnetorheological elastomers. <i>Soft Matter</i> , 2013, 9, 10069.	2.7	48
7	Recent progress on the magnetorheological elastomers. <i>International Journal of Smart and Nano Materials</i> , 2015, 6, 135-148.	4.2	27
8	Magnetorheological Elastomers: Materials and Applications. , 0, , .		26
9	Morphology and optical properties of Co doped ZnO textured thin films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9116-9122.	5.5	25
10	Magneto-induced normal stress of magnetorheological elastomer. <i>AIP Advances</i> , 2013, 3, .	1.3	25
11	Magneto-induced microstructure characterization of magnetorheological elastomers using impedance spectroscopy. <i>Soft Matter</i> , 2013, 9, 7701.	2.7	24
12	Synthesis of 1D and heavily doped Zn <sub>1-x</sub> CoxO six-prism nanorods: improvement of blue-green emission and room temperature ferromagnetism. <i>Journal of Materials Chemistry</i> , 2011, 21, 18810.	6.7	19
13	Magneto-dependent stress relaxation of magnetorheological gels. <i>Smart Materials and Structures</i> , 2017, 26, 115005.	3.5	19
14	Squeeze flow behaviors of magnetorheological elastomers under constant volume. <i>Journal of Rheology</i> , 2014, 58, 659-679.	2.6	17
15	Magneto-induced large deformation and high-damping performance of a magnetorheological elastomer. <i>Smart Materials and Structures</i> , 2014, 23, 105028.	3.5	16
16	Magneto-induced stress enhancing effect in a colloidal suspension of paramagnetic and superparamagnetic particles dispersed in a ferrofluid medium. <i>Soft Matter</i> , 2014, 10, 813-818.	2.7	14
17	Influence of $\gamma$ radiation on the shear modulus of magnetorheological elastomer. <i>Materials Letters</i> , 2016, 174, 79-81.	2.6	12
18	The energy dissipation behaviors of magneto-sensitive polymer gel under cyclic shear loading. <i>Materials Letters</i> , 2015, 158, 406-408.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Investigation on the phase-based fuzzy logic controller for magnetorheological elastomer vibration absorber. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 728-739.	2.5	9
20	The transition from stress softening to stress hardening under cyclic loading induced by magnetic field for magneto-sensitive polymer gels. <i>Applied Physics Letters</i> , 2016, 108, 161902.	3.3	6
21	Magneto-Sensitive Smart Materials and Magnetorheological Mechanism. , 0, , .		5
22	Rate-dependent viscoelasticity of an impact-hardening polymer under oscillatory shear. <i>Materials Research Express</i> , 2020, 7, 075701.	1.6	2
23	High-damping-performance magnetorheological material for passive or active vibration control. , 2016, , .		0