Yangguang Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3317119/publications.pdf

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23	733	623734	752698
papers	citations	14 h-index	20 g-index

23	23	23	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rate-dependent viscoelasticity of an impact-hardening polymer under oscillatory shear. Materials Research Express, 2020, 7, 075701.	1.6	2
2	Investigation on the phase-based fuzzy logic controller for magnetorheological elastomer vibration absorber. Journal of Intelligent Material Systems and Structures, 2017, 28, 728-739.	2.5	9
3	Magneto-dependent stress relaxation of magnetorheological gels. Smart Materials and Structures, 2017, 26, 115005.	3.5	19
4	The transition from stress softening to stress hardening under cyclic loading induced by magnetic field for magneto-sensitive polymer gels. Applied Physics Letters, 2016, 108, 161902.	3.3	6
5	Influence of Î³ radiation on the shear modulus of magnetorheological elastomer. Materials Letters, 2016, 174, 79-81.	2.6	12
6	High-damping-performance magnetorheological material for passive or active vibration control. , 2016, , .		0
7	The energy dissipation behaviors of magneto-sensitive polymer gel under cyclic shear loading. Materials Letters, 2015, 158, 406-408.	2.6	10
8	Recent progress on the magnetorheological plastomers. International Journal of Smart and Nano Materials, 2015, 6, 135-148.	4.2	27
9	Squeeze flow behaviors of magnetorheological plastomers under constant volume. Journal of Rheology, 2014, 58, 659-679.	2.6	17
10	Magneto-induced stress enhancing effect in a colloidal suspension of paramagnetic and superparamagnetic particles dispersed in a ferrofluid medium. Soft Matter, 2014, 10, 813-818.	2.7	14
11	Magneto-induced large deformation and high-damping performance of a magnetorheological plastomer. Smart Materials and Structures, 2014, 23, 105028.	3.5	16
12	Magneto-induced microstructure characterization of magnetorheological plastomers using impedance spectroscopy. Soft Matter, 2013, 9, 7701.	2.7	24
13	Simulation of magneto-induced rearrangeable microstructures of magnetorheological plastomers. Soft Matter, 2013, 9, 10069.	2.7	48
14	Magneto-induced normal stress of magnetorheological plastomer. AIP Advances, 2013, 3, .	1.3	25
15	Soft magnetorheological polymer gels with controllable rheological properties. Smart Materials and Structures, 2013, 22, 075029.	3.5	83
16	The investigation on the nonlinearity of plasticine-like magnetorheological material under oscillatory shear rheometry. Journal of Rheology, 2012, 56, 1375-1391.	2.6	73
17	Control of the Damping Properties of Magnetorheological Elastomers by Using Polycaprolactone as a Temperature-Controlling Component. Industrial & Engineering Chemistry Research, 2012, 51, 6395-6403.	3.7	55
18	Creep and recovery behaviors of magnetorheological plastomer and its magnetic-dependent properties. Soft Matter, 2012, 8, 8483.	2.7	73

#	Article	IF	Citations
19	A high-performance magnetorheological material: preparation, characterization and magnetic-mechanic coupling properties. Soft Matter, 2011, 7, 5246.	2.7	145
20	Synthesis of 1D and heavily doped Zn1â˜'xCoxO six-prism nanorods: improvement of blueâ€“green emission and room temperature ferromagnetism. Journal of Materials Chemistry, 2011, 21, 18810.	6.7	19
21	Morphology and optical properties of Co doped ZnO textured thin films. Journal of Alloys and Compounds, 2011, 509, 9116-9122.	5.5	25
22	Magnetorheological Elastomers: Materials and Applications. , 0, , .		26
23	Magneto-Sensitive Smart Materials and Magnetorheological Mechanism. , 0, , .		5