Xufeng Dong

List of Publications by Year
in descending order

96	2,106	218677	276875
papers	citations	26 h-index	41 g-index

97	97	97	1992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetostrictive effect of magnetorheological elastomer. Journal of Magnetism and Magnetic Materials, 2008, 320, 158-163.	2.3	196
2	Electrostatic self-assembled carbon nanotube/nano carbon black composite fillers reinforced cement-based materials with multifunctionality. Composites Part A: Applied Science and Manufacturing, 2015, 79, 103-115.	7.6	142
3	Multifunctional Fe3O4/graphene oxide nanocomposites for magnetic resonance imaging and drug delivery. Materials Chemistry and Physics, 2013, 141, 997-1004.	4.0	125
4	Development of manganese ferrite/graphene oxide nanocomposites for magnetorheological fluid with enhanced sedimentation stability. Journal of Industrial and Engineering Chemistry, 2017, 48, 142-150.	5.8	88
5	Effect of nano-titanium dioxide on mechanical and electrical properties and microstructure of reactive powder concrete. Materials Research Express, 2017, 4, 095008.	1.6	76
6	Exosome-functionalized magnesium-organic framework-based scaffolds with osteogenic, angiogenic and anti-inflammatory properties for accelerated bone regeneration. Bioactive Materials, 2022, 18, 26-41.	15.6	66
7	Effect Investigation of Nanofillers on C-S-H Gel Structure with Si NMR. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	58
8	Enhanced Electrorheological Properties of Elastomers Containing TiO₂/Urea Coreâ€“Shell Particles. ACS Applied Materials & Interfaces, 2015, 7, 24855-24863.	8.0	53
9	Improved tunable range of the field-induced storage modulus by using flower-like particles as the active phase of magnetorheological elastomers. Soft Matter, 2018, 14, 3504-3509.	2.7	53
10	Iron nanoparticles-based magnetorheological fluids: A balance between MR effect and sedimentation stability. Journal of Magnetism and Magnetic Materials, 2019, 491, 165556.	2.3	49
11	High performance magnetorheological fluids with flower-like cobalt particles. Smart Materials and Structures, 2017, 26, 025023.	3.5	45
12	Synthesis of calcium ferrite nanocrystal clusters for magnetorheological fluid with enhanced sedimentation stability. Powder Technology, 2017, 322, 47-53.	4.2	41
13	Facile synthesis of hierarchically structured flower-like Fe3O4 microspheres for high-performance magnetorheological fluids. Journal of Industrial and Engineering Chemistry, 2019, 79, 217-225.	5.8	40
14	Synthesis, characterization and magnetorheological study of 3-aminopropyltriethoxysilane-modified Fe₃O₄nanoparticles. Smart Materials and Structures, 2016, 25, 035028.	3.5	38
15	Solvothermal synthesis, characterization, and magnetorheological study of zinc ferrite nanocrystal clusters. Journal of Intelligent Material Systems and Structures, 2017, 28, 2331-2338.	2.5	37
16	Enhancement of electrorheological performance of electrorheological elastomers by improving TiO₂ particles/silicon rubber interface. Journal of Materials Chemistry C, 2016, 4, 6806-6815.	5.5	34
17	Pressure-sensitive behaviors, mechanisms and model of field assisted quantum tunneling composites. Polymer, 2017, 113, 105-118.	3.8	34
18	Self-assembled 0D/2D nano carbon materials engineered smart and multifunctional cement-based composites. Construction and Building Materials, 2021, 272, 121632.	7.2	33

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19	Facile preparation of poly(Îµ-caprolactone)/Fe3O4@graphene oxide superparamagnetic nanocomposites. Polymer Bulletin, 2013, 70, 2359-2371.	3.3	32
20	Fracture and self-sensing characteristics of super-fine stainless wire reinforced reactive powder concrete. Cement and Concrete Composites, 2020, 105, 103427.	10.7	32
21	Predicting performance of polymer-bonded Terfenol-D composites under different magnetic fields. Journal of Magnetism and Magnetic Materials, 2009, 321, 2742-2748.	2.3	31
22	Controlled synthesis of CoFe2O4/MoS2 nanocomposites with excellent sedimentation stability for magnetorheological fluid. Journal of Industrial and Engineering Chemistry, 2019, 70, 439-446.	5.8	31
23	Facile synthesis and magnetorheological properties of superparamagnetic CoFe2O4/GO nanocomposites. Applied Surface Science, 2015, 357, 2131-2135.	6.1	29
24	The pressure-dependent MR effect of magnetorheological elastomers. Smart Materials and Structures, 2012, 21, 075014.	3.5	27
25	Preparation and characterization of PVPI-coated Fe3O4 nanoparticles as an MRI contrast agent. Journal of Magnetism and Magnetic Materials, 2013, 340, 57-60.	2.3	27
26	Two-dimensional Fe₃O₄/MoS₂ nanocomposites for a magnetorheological fluid with enhanced sedimentation stability. Soft Matter, 2018, 14, 1917-1924.	2.7	27
27	Properties of cobalt nanofiber-based magnetorheological fluids. RSC Advances, 2015, 5, 13958-13963.	3.6	23
28	Study on an improved variable stiffness tuned mass damper based on conical magnetorheological elastomer isolators. Smart Materials and Structures, 2017, 26, 105028.	3.5	23
29	Payne effect and damping properties of flower-like cobalt particles-based magnetorheological elastomers. Composites Communications, 2019, 15, 120-128.	6.3	23
30	Rich nitrogen-doped carbon on carbon nanotubes for high-performance sodium-ion supercapacitors. Journal of Power Sources, 2020, 459, 228104.	7.8	23
31	Cellulose nanocrystal/collagen hydrogels reinforced by anisotropic structure: Shear viscoelasticity and related strengthening mechanism. Composites Communications, 2020, 21, 100374.	6.3	22
32	A nonlinear model of magnetorheological elastomer with wide amplitude range and variable frequencies. Smart Materials and Structures, 2017, 26, 065010.	3.5	19
33	Magnesium ferrite nanocrystal clusters for magnetorheological fluid with enhanced sedimentation stability. Solid State Sciences, 2017, 63, 70-75.	3.2	18
34	Improved Magnetorheological Properties by Using Ionic Liquid as Carrier Liquid of Magnetorheological Fluids. Frontiers in Materials, 2021, 8, .	2.4	18
35	Optimal orientation field to manufacture magnetostrictive composites with high magnetostrictive performance. Journal of Magnetism and Magnetic Materials, 2010, 322, 3648-3652.	2.3	17
36	Properties of magneto-rheological fluids based on amorphous micro-particles. Transactions of Nonferrous Metals Society of China, 2012, 22, 2979-2983.	4.2	17

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37	Ionic Liquidâ€Assisted Anchoring SnO 2 Nanoparticles on Carbon Nanotubes as Highly Cyclable Anode of Lithium Ion Batteries. Advanced Materials Interfaces, 2020, 7, 1901916.	3.7	17
38	Tailoring sensing properties of smart cementitious composites based on excluded volume theory and electrostatic self-assembly. Construction and Building Materials, 2020, 256, 119452.	7.2	17
39	Properties and mechanical model of a stiffness tunable viscoelastic damper based on electrorheological elastomers. Smart Materials and Structures, 2020, 29, 045041.	3.5	17
40	Uniformly Grafting SnO₂ Nanoparticles on Ionic Liquid Reduced Graphene Oxide Sheets for High Lithium Storage. Advanced Materials Interfaces, 2018, 5, 1701685.	3.7	16
41	Wind-induced vibration control of a constructing bridge tower with MRE variable stiffness tuned mass damper. Smart Materials and Structures, 2020, 29, 045034.	3.5	15
42	Enhanced magnetorheological effect and sedimentation stability of bimodal magnetorheological fluids doped with iron nanoparticles. Journal of Intelligent Material Systems and Structures, 2021, 32, 1271-1277.	2.5	15
43	Ionic liquid assisted electrospinning synthesis for ultra-uniform Sn@ mesoporous carbon nanofibers as a flexible self-standing anode for lithium ion batteries. Journal of Alloys and Compounds, 2021, 866, 158984.	5.5	15
44	Fabrication of Tb0.3Dy0.7Fe2/epoxy composites: Enhanced uniform magnetostrictive and mechanical properties using a dryprocess. Journal of Magnetism and Magnetic Materials, 2011, 323, 351-355.	2.3	14
45	Magnetostrictive properties of titanate coupling agent treated Terfenol-D composites. Journal of Magnetism and Magnetic Materials, 2012, 324, 1205-1208.	2.3	14
46	Nitrogen-doped TiO2 nanotube anode enabling improvement of electronic conductivity for fast and long-term sodium storage. Journal of Alloys and Compounds, 2021, 889, 161612.	5.5	14
47	Damping mechanism and theoretical model of electrorheological elastomers. Soft Matter, 2017, 13, 5409-5420.	2.7	13
48	Mechanical modeling for magnetorheological elastomer isolators based on constitutive equations and electromagnetic analysis. Smart Materials and Structures, 2018, 27, 065017.	3.5	13
49	From the perspective of material science: a review of flexible electrodes for brain-computer interface. Materials Research Express, 2020, 7, 102001.	1.6	13
50	Solvothermal synthesis of single-crystalline hexagonal cobalt nanofibers with high coercivity. Materials Letters, 2014, 128, 39-41.	2.6	12
51	Self-damping cementitious composites with multi-layer graphene. Materials Research Express, 2017, 4, 075605.	1.6	12
52	Dynamic viscoelasticity and phenomenological model of electrorheological elastomers. Journal of Applied Polymer Science, 2017, 134, 45407.	2.6	12
53	Lithium-ion storage in molybdenum phosphides with different crystal structures. Dalton Transactions, 2020, 49, 2225-2233.	3.3	12
54	Pt Concave Nanocubes with High-Index Facets as Electrocatalysts for Glucose Oxidation. ACS Applied Nano Materials, 2022, 5, 4983-4990.	5.0	12

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55	Influence of arrangement field on magnetostrictive and mechanical properties of magnetostrictive composites. Transactions of Nonferrous Metals Society of China, 2009, 19, 1454-1458.	4.2	11
56	An anisotropic three-dimensional electrospun micro/nanofibrous hybrid PLA/PCL scaffold. RSC Advances, 2019, 9, 9838-9844.	3.6	11
57	Dynamic viscoelasticity and magnetorheological property of magnetic hydrogels. Journal of Magnetism and Magnetic Materials, 2020, 498, 166140.	2.3	10
58	High capacitive sodium-ion storage in N, P co-doped carbon supported on carbon nanotubes. Journal of Electroanalytical Chemistry, 2020, 870, 114200.	3.8	10
59	Effect of the interface between magnetic particles and carrier liquids on magnetorheological properties and sedimentation of magnetorheological fluids: A molecular dynamics simulation and experimental insights. Journal of Molecular Liquids, 2021, 342, 117377.	4.9	10
60	PVP-grafted synthesis for uniform electrospinning silica@carbon nanofibers as flexible free-standing anode for Li-ion batteries. Solid State Ionics, 2022, 374, 115817.	2.7	10
61	Properties of aniline-modified strontium titanyl oxalate-based electrorheological suspension. Smart Materials and Structures, 2014, 23, 075018.	3.5	9
62	The contribution of friction to electrorheological properties of a chrysanthemum-like particle suspension. RSC Advances, 2015, 5, 74656-74663.	3.6	9
63	Comparison of electrorheological performance between urea-coated and graphene oxide-wrapped core-shell structured amorphous TiO₂nanoparticles. Smart Materials and Structures, 2016, 25, 015033.	3.5	9
64	Effect of carrier liquid on electrorheological performance and stability of oxalate group-modified TiO2 suspensions. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 854-861.	1.0	9
65	Improved distribution homogeneity of carbonyl iron particles in magnetorheological elastomers by adding zinc dimethacrylate. Smart Materials and Structures, 2020, 29, 025021.	3.5	9
66	Electromagnetic wave shielding/absorption performances of cementitious composites incorporating carbon nanotube metamaterial with helical chirality. Journal of Composite Materials, 2020, 54, 3857-3870.	2.4	9
67	A Two-Dimensional Axisymmetric Finite Element Analysis of Coupled Inertial-Viscous-Frictional-Elastic Transients in Magnetorheological Dampers Using the Compressible Herschel-Bulkley Fluid Model. Frontiers in Materials, 2019, 6, .	2.4	8
68	In-built durable Liâ€“S counterparts from Liâ€“TiS2 batteries. Materials Today Energy, 2020, 17, 100439.	4.7	8
69	Molecular Dynamics Simulations and Experimental Studies of the Microstructure and Mechanical Properties of a Silicone Oil/Functionalized Ionic Liquid-Based Magnetorheological Fluid. ACS Applied Materials & Interfaces, 2022, 14, 10987-10997.	8.0	8
70	Electrorheological properties of carbon nanotube decorated TiO2 nanoparticles. Materials Research Express, 2017, 4, 065701.	1.6	6
71	Shear viscoelasticity of electrospinning PCL nanofibers reinforced alginate hydrogels. Materials Research Express, 2021, 8, 055402.	1.6	6
72	Mechanical properties of a novel buckling restrained shear panel damper with octagon restraining plates. Earthquake Engineering and Structural Dynamics, 2022, 51, 259-276.	4.4	6

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73	A Stiffness Tunable Self-Healing Composite Comprising PDMS and Titanium Dioxide. ACS Applied Polymer Materials, 2022, 4, 2656-2663.	4.4	5
74	Electrospun layers by layers orderly stacked SnO2@aligned carbon nanofibers as high conductivity, long cycle life self-standing anode for reversible lithium ions batteries. Surfaces and Interfaces, 2022, 29, 101814.	3.0	5
75	Titanium glycerolate-based electrorheological fluids with stable properties. Materials Research Express, 2014, 1, 025709.	1.6	4
76	A facile electrostatic spraying method to prepare polyvinylpyrrolidone modified TiO₂ particles with improved electrorheological effect. Soft Materials, 2017, 15, 315-324.	1.7	4
77	Creep and recovery behaviors of electrorheological elastomers and time-electric field superposition principle. Smart Materials and Structures, 2020, 29, 025009.	3.5	4
78	Effects of particle size on magnetostrictive properties of magnetostrictive composites with low particulate volume fraction. Proceedings of SPIE, 2009, , .	0.8	3
79	Effect of electric field on storage modulus of dielectric composites. Journal of Applied Polymer Science, 2021, 138, 50031.	2.6	3
80	A structure evolution mechanism for the modulus loss in electromechanical response of carbon nanotube fiber. Carbon, 2021, 185, 289-299.	10.3	3
81	Influence of chain-like cobalt particles on the properties of magnetorheological elastomers. Smart Materials and Structures, 2022, 31, 035007.	3.5	3
82	Properties and mechanism of ionic liquid/silicone oil based magnetorheological fluids. International Journal of Smart and Nano Materials, 0, , 1-10.	4.2	3
83	The porous spongy nest structure compressible anode fabricated by gas forming technique toward high performance lithium ions batteries. Journal of Colloid and Interface Science, 2022, , .	9.4	3
84	<title>A novel electric current sensor based on Fiber Bragg gratings and magnetostrictive composites</title>. , 2007, , .		2
85	Preparation and viscoelasticity of anisotropic polyurethane composites filled with TiO₂ particles. Journal of Applied Polymer Science, 2019, 136, 47450.	2.6	2
86	Effect of pore orientation on shear viscoelasticity of cellulose nanocrystal/collagen hydrogels. Journal of Applied Polymer Science, 2021, 138, 49856.	2.6	2
87	Quantum Tunneling Composites and Detectors for Intelligent Transportation Systems. , 2015, , .		1
88	Modified Bouc-Wen Model Based on Fractional Derivative and Application in Magnetorheological Elastomer. Frontiers in Materials, 2021, 8, .	2.4	1
89	Vibration control and magnetostrictive composite materials. , 2006, , .		0
90	Effect of soft magnetic materials blend on the properties of polymer-bonded Terfenol-D composites. , 2007, , .		0

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91	Predicting relationship between magnetostriction and applied field of magnetostrictive composites. Proceedings of SPIE, 2008, , .	0.8	0
92	Image analysis of the microstructure of pseudo-1-3 magnetostrictive composites. , 2010, , .		0
93	Influence of viscosity of carrier liquid on performance of electrorheological fluids. , 2013, , .		0
94	Diammonium phosphate modified titanium dioxide suspensions with improved ER efficiency. Smart Materials and Structures, 2015, 24, 065009.	3.5	0
95	Introductory Chapter: The Way to Fulfill Science Fiction. , 2019, , .		0
96	A Novel Brain-Computer Interface Flexible Electrode Material with Magnetorheological property. Materials Advances, 0, , .	5.4	0