Yongjie Yan

List of Publications by Year
in descending order

69 papers	1,743 citations	331259 21 h-index	288905 40 g-index
69 all docs	69 docs citations	69 times ranked	2304 citing authors

#	Article	IF	Citations
1	Experimental Investigation on Low-Velocity Impact Performance of 3D Woven Textile Composites. Applied Composite Materials, 2022, 29, 121-146.	1.3	9
2	Materials for lithium recovery from salt lake brine. Journal of Materials Science, 2021, 56, 16-63.	1.7	122
3	Shape memory polyurethaneâ€based electrospun yarns for thermoâ€responsive actuation. Journal of Applied Polymer Science, 2021, 138, 50565.	1.3	9
4	A Wearable Sustainable Moistureâ€Induced Electricity Generator Based on rGO/GO/rGO Sandwichâ€Like Structural Film. Advanced Electronic Materials, 2021, 7, 2100222.	2.6	14
5	Thermal triggering on plasticized shape memory polyurethane actuators and its tubes target to biomedical applications. Sensors and Actuators A: Physical, 2021, 332, 113164.	2.0	8
6	A numerical study on the low-velocity impact behavior of the Twaron^{Â®}fabric subjected to oblique impact. Reviews on Advanced Materials Science, 2021, 60, 980-994.	1.4	4
7	Preparation and characterization of polyphenylene sulfide/graphene nanoplatelets composite fibers with enhanced oxidation resistance. High Performance Polymers, 2020, 32, 394-405.	0.8	18
8	Actuation Characteristics and Mechanism of Electroactive Plasticized Thermoplastic Polyurethane. Langmuir, 2020, 36, 14933-14941.	1.6	12
9	Twoâ€Way Reversible Shape Memory Properties of Benzoyl Peroxide Crosslinked Poly(ethyleneâ€coâ€vinyl acetate) under Different Stress Conditions. Macromolecular Materials and Engineering, 2020, 305, 1900825.	1.7	4
10	Multifunctional composite nanofibers with shape memory and piezoelectric properties for energy harvesting. Journal of Intelligent Material Systems and Structures, 2020, 31, 956-966.	1.4	13
11	Cellulose acetate/multi-wall carbon nanotube/Ag nanofiber composite for antibacterial applications. Materials Science and Engineering C, 2020, 110, 110679.	3.8	41
12	Drug carrier three-layer nanofibrous tube for vascular graft engineering. Journal of Biomaterials Science, Polymer Edition, 2019, 30, 501-507.	1.9	3
13	Sonication induced effective approach for coloration of compact polyacrylonitrile (PAN) nanofibers. Ultrasonics Sonochemistry, 2019, 51, 399-405.	3.8	30
14	Fabrication of Magnetic Cobalt and Electrically Conductive Polyanilineâ€Filled Threeâ€Phase Nanocomposite for Microwave Absorption. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900663.	0.8	4
15	Characterizations and application of CA/ZnO/AgNP composite nanofibers for sustained antibacterial properties. Materials Science and Engineering C, 2019, 105, 110077.	3.8	54
16	Dopa-based facile procedure to synthesize AgNP/cellulose nanofiber composite for antibacterial applications. Applied Nanoscience (Switzerland), 2019, 9, 1661-1670.	1.6	13
17	Cellulose acetate nanofibers embedded with AgNPs anchored TiO2 nanoparticles for long term excellent antibacterial applications. Carbohydrate Polymers, 2019, 207, 640-649.	5.1	123
18	Electrospun sandwich configuration nanofibers as transparent membranes for skin care drug delivery systems. Journal of Materials Science, 2018, 53, 10617-10626.	1.7	19

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19	A three-dimensional porous hydroxyapatite nanocomposite scaffold with shape memory effect for bone tissue engineering. Journal of Materials Science, 2018, 53, 4734-4744.	1.7	45
20	The effect of hydroxyapatite nanoparticles on mechanical behavior and biological performance of porous shape memory polyurethane scaffolds. Journal of Biomedical Materials Research - Part A, 2018, 106, 244-254.	2.1	35
21	Ultrasonic energy-assisted coloration of polyurethane nanofibers. Applied Nanoscience (Switzerland), 2018, 8, 1505-1514.	1.6	18
22	Fabrication and characterization of shape memory polyurethane porous scaffold for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2017, 105, 1132-1137.	2.1	24
23	Electromagnetic wave absorption properties of rice husks carbonized at 2500 Â°C. AIP Conference Proceedings, 2017, , .	0.3	4
24	From Cellulose Nanospheres, Nanorods to Nanofibers: Various Aspect Ratio Induced Nucleation/Reinforcing Effects on Polylactic Acid for Robust-Barrier Food Packaging. ACS Applied Materials & Interfaces, 2017, 9, 43920-43938.	4.0	170
25	Improved shellac mediated nanoscale application drug release effect in a gastric-site drug delivery system. RSC Advances, 2017, 7, 53401-53406.	1.7	18
26	Performance of barium titanate@carbon nanotube nanocomposite as an electromagnetic wave absorber. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600541.	0.8	20
27	A New Approach for Quantitative Evaluation of Ultrasonic Wave Attenuation in Composites. Applied Composite Materials, 2017, 24, 23-37.	1.3	6
28	Bending actuation and charge distribution behavior of polyurethane/carbon nanotube electroactive nanocomposites. Polymer Composites, 2016, 37, 262-269.	2.3	13
29	Electrically Triggered Actuation of Plasticized Thermoplastic Polyurethane Gels. Macromolecular Materials and Engineering, 2016, 301, 864-869.	1.7	13
30	820 Electromagnetic Shielding Properties of CFRP and its Evaluation Method. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2016, 2016.53, _820-1_-_820-3_.	0.0	0
31	804 A New kind of Nanocomposite Combining Piezoelectricity and Shape-memory Property. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2016, 2016.53, _804-1_-_804-4_.	0.0	0
32	811 Development of functionally graded materials with high thermal conductivity. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2016, 2016.53, _811-1_-_811-3_.	0.0	0
33	Inâ€‰situ grown silica/waterâ€borne epoxy shape memory composite foams prepared without blowing agent addition. Journal of Applied Polymer Science, 2015, 132, .	1.3	9
34	One-dimensional carbon nanotube@barium titanate@polyaniline multiheterostructures for microwave absorbing application. Nanoscale Research Letters, 2015, 10, 174.	3.1	46
35	Effect of vaporâ€grown carbon nanofibers and in situ hydrolyzed silica on the mechanical and shape memory properties of waterâ€borne epoxy composites. Polymer Composites, 2015, 36, 1712-1720.	2.3	17
36	Double-layer electromagnetic wave absorber based on barium titanate/carbon nanotube nanocomposites. Ceramics International, 2015, 41, 9885-9892.	2.3	43

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37	One-dimensional barium titanate coated multi-walled carbon nanotube heterostructures: synthesis and electromagnetic absorption properties. RSC Advances, 2015, 5, 3748-3756.	1.7	53
38	Fabrication of functionally graded nanoâ€TiO₂â€reinforced epoxy matrix composites. Polymer Composites, 2014, 35, 557-563.	2.3	13
39	Nonlocal vibration analysis of nanomechanical systems resonators using circular double-layer graphene sheets. Applied Physics A: Materials Science and Processing, 2014, 115, 213-219.	1.1	17
40	Microwave-absorbing properties of silver nanoparticle/carbon nanotube hybrid nanocomposites. Journal of Materials Science, 2014, 49, 5199-5207.	1.7	109
41	Behavior of polymer-based electroactive actuator incorporated with mild hydrothermally treated CNTs. Applied Physics A: Materials Science and Processing, 2014, 117, 2043-2050.	1.1	6
42	Fabrication and characterization of polymer-based electroactive nanocomposite actuator. Microelectronic Engineering, 2014, 126, 9-12.	1.1	9
43	An atomic-resolution nanomechanical mass sensor based on circular monolayer graphene sheet: Theoretical analysis of vibrational properties. Journal of Applied Physics, 2013, 113, .	1.1	42
44	Development of functionally graded vapor-grown carbon-fiber/polymer materials. Polymer Composites, 2013, 34, 1774-1781.	2.3	5
45	Influence of the axial compression on the natural frequency of AFM probes using double-walled carbon nanotubes with different wall lengths. Applied Physics A: Materials Science and Processing, 2013, 110, 1-7.	1.1	6
46	Fabrication and microwave absorption properties of BaTiO₃ nanotube/polyaniline hybrid nanomaterials. Polymer Composites, 2013, 34, 265-273.	2.3	36
47	Facile Synthesis of BaTiO₃ Nanotubes and Their Microwave Absorption Properties. ACS Applied Materials & Interfaces, 2012, 4, 2101-2106.	4.0	164
48	Hydrothermal Synthesis of Carbon Nanotube/Nickel Ferrite Nanocomposites. Journal of Fiber Science and Technology, 2012, 68, 112-117.	0.0	0
49	Electrospun nanocomposite polyacrylonitrile fibers containing carbon nanotubes and cobalt ferrite. Polymer Composites, 2012, 33, 317-323.	2.3	23
50	The Development of Composites with Negative Thermal Expansion Properties Using High Performance Fibers. Advanced Composite Materials, 2011, 20, 463-475.	1.0	9
51	Wave propagation in embedded double-layer graphene nanoribbons as electromechanical oscillators. Journal of Applied Physics, 2011, 110, .	1.1	21
52	Composites of multi-walled carbon nanotubes and shape memory polyurethane for electromagnetic interference shielding. Journal of Composite Materials, 2011, 45, 2547-2554.	1.2	47
53	Design and evaluation of the interface between carbon nanotubes and natural rubber. Polymer Composites, 2011, 32, 236-242.	2.3	37
54	Effect of vaporâ€grown carbon nanofibers on the sliding friction of natural rubber composites. Polymer Composites, 2011, 32, 675-681.	2.3	3

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55	Preparation of polybenzimidazole/functionalized carbon nanotube nanocomposite films for use as protective coatings. Polymer Engineering and Science, 2011, 51, 1525-1532.	1.5	32
56	Low Friction Coefficient Property of Super Fiber-Reinforced Composites. Advanced Composite Materials, 2011, 20, 133-147.	1.0	8
57	Analysis of Carbon Nanotubes on the Mechanical Properties at Atomic Scale. Journal of Nanomaterials, 2011, 2011, 1-10.	1.5	26
58	Characterization of Wave Propagation in Thin Laminated Plates. Materials and Manufacturing Processes, 2010, 25, 259-263.	2.7	0
59	Synthesis and mechanical properties of polybenzimidazole nanocomposites reinforced by vapor grown carbon nanofibers. Polymer Composites, 2010, 31, 491-496.	2.3	13
60	Tensile properties and reinforcement mechanisms of natural rubber/vaporâ€grown carbon nanofiber composite. Polymer Composites, 2010, 31, 1099-1104.	2.3	14
61	Characterization of wave propagation in nonsymmetric laminated plates. Polymer Composites, 2010, 31, 1914-1921.	2.3	2
62	High Frequency Viscoelastic Properties of Nanocomposites with Carbon-base Nanofillers. Journal of the Japan Society for Composite Materials, 2009, 35, 121-128.	0.1	1
63	Characterization of Carbon Black Distribution and Mechanical Properties in NR/SBR Blend Rubber Composites. Journal of the Japan Society for Composite Materials, 2009, 35, 157-164.	0.1	1
64	Temperature dependence of electrical resistivity in carbon nanofiber/unsaturated polyester nanocomposites. Polymer Engineering and Science, 2008, 48, 1345-1350.	1.5	31
65	Development of Insulation Sheet Materials and Their Sound Characterization. Advanced Composite Materials, 2008, 17, 25-40.	1.0	8
66	Mechanical Properties of Rubbler Nanocomposites with Carbon-Base Nanofillers by Surface Improvement of Heat Treatment. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2008, 74, 1111-1117.	0.2	0
67	Conductivity stability of carbon nanofiber/unsaturated polyester nanocomposites. Advanced Composite Materials, 2007, 16, 195-206.	1.0	13
68	Effect of Precipitation of σ-Phase and N Addition on the Mechanical Properties in 25Cr–7Ni–4Mo–2W Super Duplex Stainless Steel. Materials Transactions, 2005, 46, 1656-1662.	0.4	10
69	Development and Temperature Dependency of High Damping Sandwich Laminates. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2005, 71, 1437-1444.	0.2	3