

Yongjie Yan

List of Publications by Year in descending order

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69
papers

1,743
citations

331670
21
h-index

289244
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. <i>Applied Composite Materials</i> , 2022, 29, 121-146.	2.5	9
2	Materials for lithium recovery from salt lake brine. <i>Journal of Materials Science</i> , 2021, 56, 16-63.	3.7	122
3	Shape memory polyurethane-based electrospun yarns for thermo-responsive actuation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50565.	2.6	9
4	A Wearable Sustainable Moisture-Induced Electricity Generator Based on rGO/GO/rGO Sandwich-Like Structural Film. <i>Advanced Electronic Materials</i> , 2021, 7, 2100222.	5.1	14
5	Thermal triggering on plasticized shape memory polyurethane actuators and its tubes target to biomedical applications. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113164.	4.1	8
6	A numerical study on the low-velocity impact behavior of the Twaron [®] fabric subjected to oblique impact. <i>Reviews on Advanced Materials Science</i> , 2021, 60, 980-994.	3.3	4
7	Preparation and characterization of polyphenylene sulfide/graphene nanoplatelets composite fibers with enhanced oxidation resistance. <i>High Performance Polymers</i> , 2020, 32, 394-405.	1.8	18
8	Actuation Characteristics and Mechanism of Electroactive Plasticized Thermoplastic Polyurethane. <i>Langmuir</i> , 2020, 36, 14933-14941.	3.5	12
9	Two-Way Reversible Shape Memory Properties of Benzoyl Peroxide Crosslinked Poly(ethylene-co-vinyl acetate) under Different Stress Conditions. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900825.	3.6	4
10	Multifunctional composite nanofibers with shape memory and piezoelectric properties for energy harvesting. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 956-966.	2.5	13
11	Cellulose acetate/multi-wall carbon nanotube/Ag nanofiber composite for antibacterial applications. <i>Materials Science and Engineering C</i> , 2020, 110, 110679.	7.3	41
12	Drug carrier three-layer nanofibrous tube for vascular graft engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 501-507.	3.5	3
13	Sonication induced effective approach for coloration of compact polyacrylonitrile (PAN) nanofibers. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 399-405.	8.2	30
14	Fabrication of Magnetic Cobalt and Electrically Conductive Polyaniline-Filled Three-Phase Nanocomposite for Microwave Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900663.	1.8	4
15	Characterizations and application of CA/ZnO/AgNP composite nanofibers for sustained antibacterial properties. <i>Materials Science and Engineering C</i> , 2019, 105, 110077.	7.3	54
16	Dopa-based facile procedure to synthesize AgNP/cellulose nanofiber composite for antibacterial applications. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1661-1670.	3.1	13
17	Cellulose acetate nanofibers embedded with AgNPs anchored TiO ₂ nanoparticles for long term excellent antibacterial applications. <i>Carbohydrate Polymers</i> , 2019, 207, 640-649.	10.2	123
18	Electrospun sandwich configuration nanofibers as transparent membranes for skin care drug delivery systems. <i>Journal of Materials Science</i> , 2018, 53, 10617-10626.	3.7	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.	3.7	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.	4.0	35
21	Ultrasonic energy-assisted coloration of polyurethane nanofibers. Applied Nanoscience (Switzerland), 2018, 8, 1505-1514.	3.1	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.	4.0	24
23	Electromagnetic wave absorption properties of rice husks carbonized at 2500 Å°C. AIP Conference Proceedings, 2017, , .	0.4	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.	8.0	170
25	Improved shellac mediated nanoscale application drug release effect in a gastric-site drug delivery system. RSC Advances, 2017, 7, 53401-53406.	3.6	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.	1.8	20
27	A New Approach for Quantitative Evaluation of Ultrasonic Wave Attenuation in Composites. Applied Composite Materials, 2017, 24, 23-37.	2.5	6
28	Bending actuation and charge distribution behavior of polyurethane/carbon nanotube electroactive nanocomposites. Polymer Composites, 2016, 37, 262-269.	4.6	13
29	Electrically Triggered Actuation of Plasticized Thermoplastic Polyurethane Gels. Macromolecular Materials and Engineering, 2016, 301, 864-869.	3.6	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	<i>In situ</i> grown silica/waterborne epoxy shape memory composite foams prepared without blowing agent addition. Journal of Applied Polymer Science, 2015, 132, .	2.6	9
34	One-dimensional carbon nanotube@barium titanate@polyaniline multiheterostructures for microwave absorbing application. Nanoscale Research Letters, 2015, 10, 174.	5.7	46
35	Effect of vapor-grown carbon nanofibers and <i>in situ</i> hydrolyzed silica on the mechanical and shape memory properties of waterborne epoxy composites. Polymer Composites, 2015, 36, 1712-1720.	4.6	17
36	Double-layer electromagnetic wave absorber based on barium titanate/carbon nanotube nanocomposites. Ceramics International, 2015, 41, 9885-9892.	4.8	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.	3.6	53
38	Fabrication of functionally graded nano-TiO ₂ -reinforced epoxy matrix composites. Polymer Composites, 2014, 35, 557-563.	4.6	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.	2.3	17
40	Microwave-absorbing properties of silver nanoparticle/carbon nanotube hybrid nanocomposites. Journal of Materials Science, 2014, 49, 5199-5207.	3.7	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.	2.3	6
42	Fabrication and characterization of polymer-based electroactive nanocomposite actuator. Microelectronic Engineering, 2014, 126, 9-12.	2.4	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, .	2.5	42
44	Development of functionally graded vapor-grown carbon-fiber/polymer materials. Polymer Composites, 2013, 34, 1774-1781.	4.6	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.	2.3	6
46	Fabrication and microwave absorption properties of BaTiO ₃ nanotube/polyaniline hybrid nanomaterials. Polymer Composites, 2013, 34, 265-273.	4.6	36
47	Facile Synthesis of BaTiO ₃ Nanotubes and Their Microwave Absorption Properties. ACS Applied Materials & Interfaces, 2012, 4, 2101-2106.	8.0	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.	4.6	23
50	The Development of Composites with Negative Thermal Expansion Properties Using High Performance Fibers. Advanced Composite Materials, 2011, 20, 463-475.	1.9	9
51	Wave propagation in embedded double-layer graphene nanoribbons as electromechanical oscillators. Journal of Applied Physics, 2011, 110, .	2.5	21
52	Composites of multi-walled carbon nanotubes and shape memory polyurethane for electromagnetic interference shielding. Journal of Composite Materials, 2011, 45, 2547-2554.	2.4	47
53	Design and evaluation of the interface between carbon nanotubes and natural rubber. Polymer Composites, 2011, 32, 236-242.	4.6	37
54	Effect of vapor-grown carbon nanofibers on the sliding friction of natural rubber composites. Polymer Composites, 2011, 32, 675-681.	4.6	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.	3.1	32
56	Low Friction Coefficient Property of Super Fiber-Reinforced Composites. Advanced Composite Materials, 2011, 20, 133-147.	1.9	8
57	Analysis of Carbon Nanotubes on the Mechanical Properties at Atomic Scale. Journal of Nanomaterials, 2011, 2011, 1-10.	2.7	26
58	Characterization of Wave Propagation in Thin Laminated Plates. Materials and Manufacturing Processes, 2010, 25, 259-263.	4.7	0
59	Synthesis and mechanical properties of polybenzimidazole nanocomposites reinforced by vapor grown carbon nanofibers. Polymer Composites, 2010, 31, 491-496.	4.6	13
60	Tensile properties and reinforcement mechanisms of natural rubber/vapor-grown carbon nanofiber composite. Polymer Composites, 2010, 31, 1099-1104.	4.6	14
61	Characterization of wave propagation in nonsymmetric laminated plates. Polymer Composites, 2010, 31, 1914-1921.	4.6	2
62	High Frequency Viscoelastic Properties of Nanocomposites with Carbon-base Nanofillers. Journal of the Japan Society for Composite Materials, 2009, 35, 121-128.	0.2	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.	0.2	1
64	Temperature dependence of electrical resistivity in carbon nanofiber/unsaturated polyester nanocomposites. Polymer Engineering and Science, 2008, 48, 1345-1350.	3.1	31
65	Development of Insulation Sheet Materials and Their Sound Characterization. Advanced Composite Materials, 2008, 17, 25-40.	1.9	8
66	Mechanical Properties of Rubber 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.	1.9	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.	1.2	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