

Yongjie Yan

List of Publications by Year in descending order

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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	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
2	Facile Synthesis of BaTiO ₃ Nanotubes and Their Microwave Absorption Properties. ACS Applied Materials & Interfaces, 2012, 4, 2101-2106.	4.0	164
3	Cellulose acetate nanofibers embedded with AgNPs anchored TiO ₂ nanoparticles for long term excellent antibacterial applications. Carbohydrate Polymers, 2019, 207, 640-649.	5.1	123
4	Materials for lithium recovery from salt lake brine. Journal of Materials Science, 2021, 56, 16-63.	1.7	122
5	Microwave-absorbing properties of silver nanoparticle/carbon nanotube hybrid nanocomposites. Journal of Materials Science, 2014, 49, 5199-5207.	1.7	109
6	Characterizations and application of CA/ZnO/AgNP composite nanofibers for sustained antibacterial properties. Materials Science and Engineering C, 2019, 105, 110077.	3.8	54
7	One-dimensional barium titanate coated multi-walled carbon nanotube heterostructures: synthesis and electromagnetic absorption properties. RSC Advances, 2015, 5, 3748-3756.	1.7	53
8	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
9	One-dimensional carbon nanotube@barium titanate@polyaniline multiheterostructures for microwave absorbing application. Nanoscale Research Letters, 2015, 10, 174.	3.1	46
10	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
11	Double-layer electromagnetic wave absorber based on barium titanate/carbon nanotube nanocomposites. Ceramics International, 2015, 41, 9885-9892.	2.3	43
12	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
13	Cellulose acetate/multi-wall carbon nanotube/Ag nanofiber composite for antibacterial applications. Materials Science and Engineering C, 2020, 110, 110679.	3.8	41
14	Design and evaluation of the interface between carbon nanotubes and natural rubber. Polymer Composites, 2011, 32, 236-242.	2.3	37
15	Fabrication and microwave absorption properties of BaTiO ₃ nanotube/polyaniline hybrid nanomaterials. Polymer Composites, 2013, 34, 265-273.	2.3	36
16	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
17	Preparation of polybenzimidazole/functionalized carbon nanotube nanocomposite films for use as protective coatings. Polymer Engineering and Science, 2011, 51, 1525-1532.	1.5	32
18	Temperature dependence of electrical resistivity in carbon nanofiber/unsaturated polyester nanocomposites. Polymer Engineering and Science, 2008, 48, 1345-1350.	1.5	31

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19	Sonication induced effective approach for coloration of compact polyacrylonitrile (PAN) nanofibers. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 399-405.	3.8	30
20	Analysis of Carbon Nanotubes on the Mechanical Properties at Atomic Scale. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-10.	1.5	26
21	Fabrication and characterization of shape memory polyurethane porous scaffold for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1132-1137.	2.1	24
22	Electrospun nanocomposite polyacrylonitrile fibers containing carbon nanotubes and cobalt ferrite. <i>Polymer Composites</i> , 2012, 33, 317-323.	2.3	23
23	Wave propagation in embedded double-layer graphene nanoribbons as electromechanical oscillators. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	21
24	Performance of barium titanate@carbon nanotube nanocomposite as an electromagnetic wave absorber. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600541.	0.8	20
25	Electrospun sandwich configuration nanofibers as transparent membranes for skin care drug delivery systems. <i>Journal of Materials Science</i> , 2018, 53, 10617-10626.	1.7	19
26	Improved shellac mediated nanoscale application drug release effect in a gastric-site drug delivery system. <i>RSC Advances</i> , 2017, 7, 53401-53406.	1.7	18
27	Ultrasonic energy-assisted coloration of polyurethane nanofibers. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1505-1514.	1.6	18
28	Preparation and characterization of polyphenylene sulfide/graphene nanoplatelets composite fibers with enhanced oxidation resistance. <i>High Performance Polymers</i> , 2020, 32, 394-405.	0.8	18
29	Nonlocal vibration analysis of nanomechanical systems resonators using circular double-layer graphene sheets. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 213-219.	1.1	17
30	Effect of vapor-grown carbon nanofibers and <i>in situ</i> hydrolyzed silica on the mechanical and shape memory properties of waterborne epoxy composites. <i>Polymer Composites</i> , 2015, 36, 1712-1720.	2.3	17
31	Tensile properties and reinforcement mechanisms of natural rubber/vapor-grown carbon nanofiber composite. <i>Polymer Composites</i> , 2010, 31, 1099-1104.	2.3	14
32	A Wearable Sustainable Moisture-Induced Electricity Generator Based on rGO/GO/rGO Sandwich-Like Structural Film. <i>Advanced Electronic Materials</i> , 2021, 7, 2100222.	2.6	14
33	Conductivity stability of carbon nanofiber/unsaturated polyester nanocomposites. <i>Advanced Composite Materials</i> , 2007, 16, 195-206.	1.0	13
34	Synthesis and mechanical properties of polybenzimidazole nanocomposites reinforced by vapor grown carbon nanofibers. <i>Polymer Composites</i> , 2010, 31, 491-496.	2.3	13
35	Fabrication of functionally graded nano-TiO ₂ -reinforced epoxy matrix composites. <i>Polymer Composites</i> , 2014, 35, 557-563.	2.3	13
36	Bending actuation and charge distribution behavior of polyurethane/carbon nanotube electroactive nanocomposites. <i>Polymer Composites</i> , 2016, 37, 262-269.	2.3	13

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37	Electrically Triggered Actuation of Plasticized Thermoplastic Polyurethane Gels. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 864-869.	1.7	13
38	Dopa-based facile procedure to synthesize AgNP/cellulose nanofiber composite for antibacterial applications. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1661-1670.	1.6	13
39	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.	1.4	13
40	Actuation Characteristics and Mechanism of Electroactive Plasticized Thermoplastic Polyurethane. <i>Langmuir</i> , 2020, 36, 14933-14941.	1.6	12
41	Effect of Precipitation of σ -Phase and N Addition on the Mechanical Properties in 25Cr-7Ni-4Mo-2W Super Duplex Stainless Steel. <i>Materials Transactions</i> , 2005, 46, 1656-1662.	0.4	10
42	The Development of Composites with Negative Thermal Expansion Properties Using High Performance Fibers. <i>Advanced Composite Materials</i> , 2011, 20, 463-475.	1.0	9
43	Fabrication and characterization of polymer-based electroactive nanocomposite actuator. <i>Microelectronic Engineering</i> , 2014, 126, 9-12.	1.1	9
44	<i>In situ</i> grown silica/waterborne epoxy shape memory composite foams prepared without blowing agent addition. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	9
45	Shape memory polyurethane-based electrospun yarns for thermo-responsive actuation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50565.	1.3	9
46	Experimental Investigation on Low-Velocity Impact Performance of 3D Woven Textile Composites. <i>Applied Composite Materials</i> , 2022, 29, 121-146.	1.3	9
47	Development of Insulation Sheet Materials and Their Sound Characterization. <i>Advanced Composite Materials</i> , 2008, 17, 25-40.	1.0	8
48	Low Friction Coefficient Property of Super Fiber-Reinforced Composites. <i>Advanced Composite Materials</i> , 2011, 20, 133-147.	1.0	8
49	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.	2.0	8
50	Influence of the axial compression on the natural frequency of AFM probes using double-walled carbon nanotubes with different wall lengths. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 110, 1-7.	1.1	6
51	Behavior of polymer-based electroactive actuator incorporated with mild hydrothermally treated CNTs. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 2043-2050.	1.1	6
52	A New Approach for Quantitative Evaluation of Ultrasonic Wave Attenuation in Composites. <i>Applied Composite Materials</i> , 2017, 24, 23-37.	1.3	6
53	Development of functionally graded vapor-grown carbon-fiber/polymer materials. <i>Polymer Composites</i> , 2013, 34, 1774-1781.	2.3	5
54	Electromagnetic wave absorption properties of rice husks carbonized at 2500 °C. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	4

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55	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.	0.8	4
56	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.	1.7	4
57	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.	1.4	4
58	Development and Temperature Dependency of High Damping Sandwich Laminates. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2005, 71, 1437-1444.	0.2	3
59	Effect of vapor-grown carbon nanofibers on the sliding friction of natural rubber composites. <i>Polymer Composites</i> , 2011, 32, 675-681.	2.3	3
60	Drug carrier three-layer nanofibrous tube for vascular graft engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 501-507.	1.9	3
61	Characterization of wave propagation in nonsymmetric laminated plates. <i>Polymer Composites</i> , 2010, 31, 1914-1921.	2.3	2
62	High Frequency Viscoelastic Properties of Nanocomposites with Carbon-base Nanofillers. <i>Journal of the Japan Society for Composite Materials</i> , 2009, 35, 121-128.	0.1	1
63	Characterization of Carbon Black Distribution and Mechanical Properties in NR/SBR Blend Rubber Composites. <i>Journal of the Japan Society for Composite Materials</i> , 2009, 35, 157-164.	0.1	1
64	Mechanical Properties of Rubbler Nanocomposites with Carbon-Base Nanofillers by Surface Improvement of Heat Treatment. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2008, 74, 1111-1117.	0.2	0
65	Characterization of Wave Propagation in Thin Laminated Plates. <i>Materials and Manufacturing Processes</i> , 2010, 25, 259-263.	2.7	0
66	Hydrothermal Synthesis of Carbon Nanotube/Nickel Ferrite Nanocomposites. <i>Journal of Fiber Science and Technology</i> , 2012, 68, 112-117.	0.0	0
67	820 Electromagnetic Shielding Properties of CFRP and its Evaluation Method. <i>The Proceedings of Conference of Hokuriku-Shinetsu Branch</i> , 2016, 2016.53, _820-1_-_820-3_.	0.0	0
68	804 A New kind of Nanocomposite Combining Piezoelectricity and Shape-memory Property. <i>The Proceedings of Conference of Hokuriku-Shinetsu Branch</i> , 2016, 2016.53, _804-1_-_804-4_.	0.0	0
69	811 Development of functionally graded materials with high thermal conductivity. <i>The Proceedings of Conference of Hokuriku-Shinetsu Branch</i> , 2016, 2016.53, _811-1_-_811-3_.	0.0	0