

YaQin Fu

List of Publications by Year in descending order

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96
papers

2,742
citations

186265
28
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48
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all docs

96
docs citations

96
times ranked

2605
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape memory effect and mechanical properties of carbon nanotube/shape memory polymer nanocomposites. <i>Composite Structures</i> , 2007, 81, 176-184.	5.8	225
2	Prism-shaped hollow carbon decorated with polyaniline for microwave absorption. <i>Chemical Engineering Journal</i> , 2020, 379, 122393.	12.7	146
3	Surface modification and characterization of aramid fibers with hybrid coating. <i>Applied Surface Science</i> , 2014, 321, 103-108.	6.1	115
4	Effect of graphene oxide-carbon nanotube hybrid filler on the mechanical property and thermal response speed of shape memory epoxy composites. <i>Composites Science and Technology</i> , 2019, 169, 209-216.	7.8	112
5	A novel 3D silver nanowires@polypyrrole sponge loaded with water giving excellent microwave absorption properties. <i>Chemical Engineering Journal</i> , 2018, 352, 490-500.	12.7	104
6	Chiral polyaniline with superhelical structures for enhancement in microwave absorption. <i>Chemical Engineering Journal</i> , 2018, 352, 745-755.	12.7	88
7	A new strategy for the surface-free-energy-distribution induced selective growth and controlled formation of Cu ₂ O@Au hierarchical heterostructures with a series of morphological evolutions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 919-929.	10.3	84
8	Waxberry-like carbon@polyaniline microspheres with high-performance microwave absorption. <i>Applied Surface Science</i> , 2018, 427, 451-457.	6.1	82
9	Facile and green synthesis of well-dispersed Au nanoparticles in PAN nanofibers by tea polyphenols. <i>Journal of Materials Chemistry</i> , 2012, 22, 9301.	6.7	81
10	Construction of polyaniline aligned on magnetic functionalized biomass carbon giving excellent microwave absorption properties. <i>Composites Science and Technology</i> , 2019, 174, 176-183.	7.8	80
11	Enhancing the surface affinity with silver nano-particles for antibacterial cotton fabric by coating carboxymethyl chitosan and L-cysteine. <i>Applied Surface Science</i> , 2019, 497, 143673.	6.1	76
12	Self-Repairing, Large Linear Working Range Shape Memory Carbon Nanotubes/Ethylene Vinyl Acetate Fiber Strain Sensor for Human Movement Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42179-42192.	8.0	75
13	Rational design of hierarchical structure of carbon@polyaniline composite with enhanced microwave absorption properties. <i>Carbon</i> , 2022, 194, 114-126.	10.3	67
14	Preparation and characterization of water-borne epoxy shape memory composites containing silica. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 72, 1-10.	7.6	57
15	Two-way shape memory behavior of semi-crystalline elastomer under stress-free condition. <i>Smart Materials and Structures</i> , 2016, 25, 085023.	3.5	50
16	Enhance interfacial properties of glass fiber/epoxy composites with environment-friendly water-based hybrid sizing agent. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 102, 357-367.	7.6	48
17	Effect of epoxy-graft-polyoxyethylene octyl phenyl ether on preparation, mechanical properties and triple-shape memory effect of carbon nanotube/water-borne epoxy nanocomposites. <i>Composites Science and Technology</i> , 2015, 120, 17-25.	7.8	47
18	Self-assembly of various Au nanocrystals on functionalized water-stable PVA/PEI nanofibers: A highly efficient surface-enhanced Raman scattering substrates with high density of hot-spots. <i>Biosensors and Bioelectronics</i> , 2014, 54, 91-101.	10.1	45

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19	Synthesis and properties of the vapour-grown carbon nanofiber/epoxy shape memory and conductive foams prepared via latex technology. <i>Composites Science and Technology</i> , 2013, 76, 8-13.	7.8	44
20	High-Performance Porous Molybdenum Oxynitride Based Fiber Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29699-29706.	8.0	44
21	Fully Biobased Composites of an Itaconic Acid Derived Unsaturated Polyester Reinforced with Cotton Fabrics. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15056-15063.	6.7	42
22	Novel vapor-grown carbon nanofiber/epoxy shape memory nanocomposites prepared via latex technology. <i>Materials Letters</i> , 2014, 132, 206-209.	2.6	41
23	Flexible, electrothermal-driven controllable carbon fiber/poly(ethylene-co-vinyl acetate) shape memory composites for electromagnetic shielding. <i>Composites Science and Technology</i> , 2021, 207, 108697.	7.8	39
24	Continuous dyeing of graphene on cotton fabric: Binder-free approach for electromagnetic shielding. <i>Applied Surface Science</i> , 2019, 496, 143636.	6.1	34
25	Preparation of polybenzimidazole/functionalized carbon nanotube nanocomposite films for use as protective coatings. <i>Polymer Engineering and Science</i> , 2011, 51, 1525-1532.	3.1	32
26	Synthesis of silver nanoparticles in electrospun polyacrylonitrile nanofibers using tea polyphenols as the reductant. <i>Polymer Engineering and Science</i> , 2013, 53, 1099-1108.	3.1	31
27	Excellent triple-shape memory effect and superior recovery stress of ethylene-vinyl acetate copolymer fiber. <i>Composites Science and Technology</i> , 2021, 203, 108609.	7.8	31
28	Mushroom cap-shaped porous carbon particles with excellent microwave absorption properties. <i>Applied Surface Science</i> , 2021, 564, 150437.	6.1	30
29	Vapor-grown carbon nanofiber/poly(ethylene-co-vinyl acetate) composites with electrical-active two-way shape memory behavior. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 2749-2756.	2.5	27
30	Quantitative evaluation of carbon nanotube dispersion through scanning electron microscopy images. <i>Composites Science and Technology</i> , 2013, 87, 170-173.	7.8	26
31	Development of lightweight polypyrrole/cellulose aerogel composite with adjustable dielectric properties for controllable microwave absorption performance. <i>Cellulose</i> , 2020, 27, 10213-10224.	4.9	26
32	A novel reduced graphene oxide/epoxy sandwich structure composite film with thermo-, electro- and light-responsive shape memory effect. <i>Materials Letters</i> , 2019, 238, 54-57.	2.6	24
33	Electrospun nanocomposite polyacrylonitrile fibers containing carbon nanotubes and cobalt ferrite. <i>Polymer Composites</i> , 2012, 33, 317-323.	4.6	23
34	Thermodynamic coupling behavior and energy harvesting of vapor grown carbon fiber/graphene oxide/epoxy shape memory composites. <i>Composites Science and Technology</i> , 2021, 203, 108583.	7.8	23
35	MXene/epoxy-based shape memory nanocomposites with highly stable thermal-mechanical coupling effect for constructing an effective information transmission medium. <i>Composites Science and Technology</i> , 2022, 225, 109505.	7.8	23
36	Flexible composite film of aligned polyaniline grown on the surface of magnetic barium titanate/polyvinylidene fluoride for exceptional microwave absorption performance. <i>RSC Advances</i> , 2017, 7, 36473-36481.	3.6	21

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37	Design of Ethylene-Vinyl Acetate Copolymer Fiber with Two-Way Shape Memory Effect. <i>Polymers</i> , 2019, 11, 1599.	4.5	21
38	Preparation and properties of silanized vapor-grown carbon nanofibers/epoxy shape memory nanocomposites. <i>Polymer Composites</i> , 2014, 35, 412-417.	4.6	20
39	Enhanced Thermal Insulation of the Hollow Glass Microsphere/Glass Fiber Fabric Textile Composite Material. <i>Polymers</i> , 2021, 13, 505.	4.5	20
40	Interaction of PMMA-silica in PMMA-silica hybrids under acid catalyst and catalyst-less conditions. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 760-765.	3.1	19
41	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
42	Ti ₃ C ₂ T _x /PEDOT:PSS Composite Interface Enables over 17% Efficiency Non-fullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45789-45797.	8.0	19
43	Investigation on Structures and Properties of Shape Memory Polyurethane/Silica Nanocomposites. <i>Chinese Journal of Chemistry</i> , 2011, 29, 703-710.	4.9	18
44	Shape memory effect and recovery stress property of carbon nanotube/waterborne epoxy nanocomposites investigated via TMA. <i>Polymer Testing</i> , 2017, 59, 462-469.	4.8	18
45	Si-Al hybrid effect of waterborne polyurethane hybrid sizing agent for carbon fiber/PA6 composites. <i>Fibers and Polymers</i> , 2017, 18, 1586-1593.	2.1	18
46	Improved shellac mediated nanoscale application drug release effect in a gastric-site drug delivery system. <i>RSC Advances</i> , 2017, 7, 53401-53406.	3.6	18
47	Polydopamine modified ammonium polyphosphate modified shape memory waterborne epoxy composites with photo-responsive flame retardant property. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49696.	2.6	18
48	Shape memory and mechanical properties of silk fibroin/poly(μ -caprolactone) composites. <i>Materials Letters</i> , 2017, 193, 26-29.	2.6	17
49	Silk-Waste-Derived Porous Carbon for Fast Electric Heating under Safe Voltage. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6005-6015.	8.0	16
50	Construction and Microwave Absorption Properties of Core@Double-Shell Structured Fe ₃ O ₄ @Polyaniline@MnO ₂ Nanospheres. <i>Nano</i> , 2020, 15, 2050032.	1.0	15
51	The green synthesis and enhanced microwave absorption performance of core-shell structured multicomponent alloy/carbon nanocomposites derived from the metal-sericin complexation. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160680.	5.5	15
52	Abrasion resistance of biaxially oriented polypropylene films coated with nanocomposite hard coatings. <i>Applied Surface Science</i> , 2013, 285, 697-701.	6.1	14
53	Use of TX100-dangled epoxy as a reactive noncovalent dispersant of vapor-grown carbon nanofibers in an aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2013, 391, 8-15.	9.4	14
54	Aligned polyaniline/porous biomass carbon composites with superior microwave absorption properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1374-1382.	2.2	14

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55	Reactive Diluent Derived from Ferulic Acid for the Preparation of a Fully Biobased Unsaturated Polyester Resin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17379-17386.	6.7	14
56	A new type of bionic grid plate—The compressive deformation and mechanical properties of the grid beetle elytron plate. <i>Journal of Sandwich Structures and Materials</i> , 2022, 24, 321-336.	3.5	14
57	Synthesis and mechanical properties of polybenzimidazole nanocomposites reinforced by vapor grown carbon nanofibers. <i>Polymer Composites</i> , 2010, 31, 491-496.	4.6	13
58	Storable silicon/shape memory polyurethane hybrid sols prepared by a facile synthesis process and their application to aramid fibers. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 670-676.	2.4	13
59	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
60	Ultrathin, Ultralight, and Anisotropic Ordered Reduced Graphene Oxide Fiber Electromagnetic Interference Shielding Membrane. <i>Advanced Materials Technologies</i> , 2021, 6, 2100531.	5.8	13
61	Thermally and light-triggered reconfigurable shape memory polydopamine/epoxy composite with self-healing and recyclable ability. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50526.	2.6	12
62	Degradable photo-crosslinked starch-based films with excellent shape memory property. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1685-1693.	7.5	12
63	A deformable honeycomb sandwich composite felt with excellent microwave absorption performance at a low absorbent loading content. <i>Composite Structures</i> , 2022, 283, 115140.	5.8	12
64	Cellular-like sericin-derived carbon decorated reduced graphene oxide for tunable microwave absorption. <i>Applied Surface Science</i> , 2022, 599, 154063.	6.1	12
65	Compressible polypyrrole aerogel as a lightweight and wideband electromagnetic microwave absorber. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5598-5608.	2.2	11
66	Fabrication and characterization of vapor grown carbon nanofiber/epoxy magnetic nanocomposites. <i>Polymer Composites</i> , 2016, 37, 1728-1734.	4.6	10
67	<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, .	2.6	9
68	Nanostructured Barium Titanate/Carbon Nanotubes Incorporated Polyaniline as Synergistic Electromagnetic Wave Absorbers. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	2.7	9
69	PREPARATION AND PROPERTIES OF HNTs/SiO ₂ COMPOUNDED SHEAR THICKENING FLUID. <i>Nano</i> , 2014, 09, 1450100.	1.0	8
70	Preparation of titanium dioxide immobilized on carbon fibers annealed in steam ambient and their photocatalytic properties. <i>Textile Research Journal</i> , 2017, 87, 2233-2241.	2.2	8
71	Discovery of <i>N</i> -(4-(Benzyloxy)-phenyl)-sulfonamide Derivatives as Novel Antagonists of the Human Androgen Receptor Targeting the Activation Function 2. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2507-2521.	6.4	8
72	Development of high performance two-way shape memory zinc dimethacrylate/ethylene vinyl acetate composite fibers for building flexible yarn actuators. <i>Composites Science and Technology</i> , 2022, 224, 109460.	7.8	8

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73	Epoxy Resin Composite Bilayers with Triple-Shape Memory Effect. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	7
74	Epoxy system with two-way shape memory effect under isostress condition. <i>Polymers for Advanced Technologies</i> , 2018, 29, 3181-3185.	3.2	7
75	Application research on infrared drying in silk re-reeling process. <i>Textile Reseach Journal</i> , 2012, 82, 1329-1336.	2.2	6
76	Enhanced photocatalytic activity of ternary g-C ₃ N ₄ /NaTaO ₃ /biomass carbon composite photocatalysts under visible-light radiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19613-19622.	2.2	6
77	Flexible nanopositioning actuators based on functional nanocomposites. <i>Composites Science and Technology</i> , 2020, 186, 107937.	7.8	5
78	Carbon fiber fabric/epoxy composites with electric- and light-responsive shape memory effect. <i>Pigment and Resin Technology</i> , 2021, 50, 377-383.	0.9	5
79	Surfactant-assisted hydrothermal synthesis of NaTaO ₃ nanotubes with enhanced photodegradation activity. <i>Micro and Nano Letters</i> , 2020, 15, 370-373.	1.3	5
80	Electrothermally-Driven Elongating-Contracting Film Actuators Based on Two-Way Shape Memory Carbon Nanotube/Ethylene-Vinyl Acetate Composites. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	5
81	Unique silk-carbon fiber core-spun yarns for developing an advanced hybrid fiber composite with greatly enhanced impact properties. <i>Composites Part B: Engineering</i> , 2022, 239, 109971.	12.0	5
82	Technological parameters optimization by orthogonal array designs for steeping silk slices on small reels. <i>Textile Reseach Journal</i> , 2013, 83, 2211-2218.	2.2	4
83	Clay montmorillonite-poly(<i>ε</i> -caprolactone) electrospun microfiber/epoxy composites with triple shape memory effect. <i>Pigment and Resin Technology</i> , 2018, 47, 29-37.	0.9	4
84	Interfacial Adhesion and Mechanical Properties of PET Fabric/PVC Composites Enhanced by SiO ₂ /Tributyl Citrate Hybrid Sizing. <i>Nanomaterials</i> , 2018, 8, 898.	4.1	4
85	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
86	INTERFACIAL PROPERTIES OF ARAMID/SMPU-SiO ₂ COMPOSITES. <i>Acta Polymerica Sinica</i> , 2011, 011, 1132-1137.	0.0	4
87	Facile fabrication of sheet-like cobalt/carbon composites for microwave absorption. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17202-17207.	2.2	3
88	Influence of the Chamfer on the Flexural Properties of Beetle Elytron Plates. <i>Journal of Bionic Engineering</i> , 2021, 18, 138-149.	5.0	3
89	Effects of Plant Polyphenols on the Interface and Mechanical Properties of Rubber/Silica Composites. <i>Polymers and Polymer Composites</i> , 2012, 20, 853-860.	1.9	2
90	Fabrication and properties of KMnO ₄ -treated functionalized biaxially oriented polypropylene (BOPP) films coated with a hybrid material. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 176-183.	2.4	2

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91	Synthesis and application of recyclable core-shell structure microspheres MCTS-g-AT in detection of Hg(II) in aquatic products. Journal of the Chinese Chemical Society, 2021, 68, 1739.	1.4	2
92	Controllable assembly of continuous hollow graphene fibers with robust mechanical performance and multifunctionalities. Nanotechnology, 2022, 33, 155602.	2.6	2
93	Development of Polyurethane/Silica Nanocomposite and Its Properties. Zairyo/Journal of the Society of Materials Science, Japan, 2005, 54, 952-957.	0.2	1
94	Effects of Magnesium Borate Whiskers on the Antiwear and Mechanical Performance of Natural Rubber. Tribology Transactions, 2012, 55, 822-828.	2.0	1
95	Hydrothermal Synthesis of Carbon Nanotube/Nickel Ferrite Nanocomposites. Journal of Fiber Science and Technology, 2012, 68, 112-117.	0.0	0
96	Study on the performance of a new type of bobbin silk reeling machine. Journal of Engineered Fibers and Fabrics, 2021, 16, 155892502110591.	1.0	0