

# Shao-Yun Fu

## List of Publications by Year in descending order

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271  
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docs citations

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times ranked

18101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of particle size, particle/matrix interface adhesion and particle loading on mechanical properties of particulate-polymer composites. Composites Part B: Engineering, 2008, 39, 933-961.	12.0	2,646
2	Tensile properties of short-glass-fiber- and short-carbon-fiber-reinforced polypropylene composites. Composites Part A: Applied Science and Manufacturing, 2000, 31, 1117-1125.	7.6	682
3	Some basic aspects of polymer nanocomposites: A critical review. Nano Materials Science, 2019, 1, 2-30.	8.8	499
4	Enhanced Microwave Absorption Performance of Coated Carbon Nanotubes by Optimizing the Fe <sub>3</sub> O <sub>4</sub> Nanocoating Structure. ACS Applied Materials & Interfaces, 2017, 9, 2973-2983.	8.0	441
5	Electromagnetic interference shielding effect of nanocomposites with carbon nanotube and shape memory polymer. Composites Science and Technology, 2007, 67, 2973-2980.	7.8	266
6	Preparation and characterization of transparent ZnO/epoxy nanocomposites with high-UV shielding efficiency. Polymer, 2006, 47, 2127-2132.	3.8	255
7	One-Pot Template-Free Synthesis of Monodisperse and Single-Crystal Magnetite Hollow Spheres by a Simple Solvothermal Route. Crystal Growth and Design, 2008, 8, 957-963.	3.0	223
8	Significantly modified tribological performance of epoxy nanocomposites at very low graphene oxide content. Polymer, 2013, 54, 1234-1242.	3.8	214
9	Highly Flexible Strain Sensor from Tissue Paper for Wearable Electronics. ACS Sustainable Chemistry and Engineering, 2016, 4, 4288-4295.	6.7	204
10	The elastic modulus of misaligned short-fiber-reinforced polymers. Composites Science and Technology, 1998, 58, 389-400.	7.8	198
11	Reinforcement of epoxy resins with multi-walled carbon nanotubes for enhancing cryogenic mechanical properties. Polymer, 2009, 50, 4753-4759.	3.8	192
12	Preparation and mechanical properties of modified epoxy resins with flexible diamines. Polymer, 2007, 48, 302-310.	3.8	189
13	Multifunctional Wearable Device Based on Flexible and Conductive Carbon Sponge/Polydimethylsiloxane Composite. ACS Applied Materials & Interfaces, 2016, 8, 33189-33196.	8.0	179
14	Template-free synthesis and characterization of novel 3D urchin-like $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> superstructures. Journal of Materials Chemistry, 2006, 16, 1794-1797.	6.7	176
15	Simultaneous improvements in the cryogenic tensile strength, ductility and impact strength of epoxy resins by a hyperbranched polymer. Polymer, 2008, 49, 3168-3175.	3.8	167
16	Enhanced mechanical properties of short carbon fiber reinforced polyethersulfone composites by graphene oxide coating. Polymer, 2015, 59, 155-165.	3.8	163
17	Synthesis, magnetic and microwave absorbing properties of core-shell structured MnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> nanocomposites. Composites Science and Technology, 2006, 66, 2003-2008.	7.8	161
18	Facile hydrothermal synthesis and photocatalytic activity of bismuth tungstate hierarchical hollow spheres with an ultrahigh surface area. Dalton Transactions, 2010, 39, 3426.	3.3	160

#	ARTICLE	IF	CITATIONS
19	Tribological performance of carbon nanotube/graphene oxide hybrid/epoxy composites. <i>Composites Part B: Engineering</i> , 2014, 57, 120-125.	12.0	156
20	On the elastic modulus of hybrid particle/short-fiber/polymer composites. <i>Composites Part B: Engineering</i> , 2002, 33, 291-299.	12.0	151
21	A wearable strain sensor based on a carbonized nano-sponge/silicone composite for human motion detection. <i>Nanoscale</i> , 2017, 9, 6680-6685.	5.6	151
22	Characterization of tensile behaviour of hybrid short glass fibre/calcite particle/ABS composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 1998, 29, 575-583.	7.6	147
23	Cryogenic properties of SiO <sub>2</sub> /epoxy nanocomposites. <i>Cryogenics</i> , 2005, 45, 450-454.	1.7	147
24	Preparation of urchinlike NiO nanostructures and their electrochemical capacitive behaviors. <i>Materials Research Bulletin</i> , 2006, 41, 620-627.	5.2	141
25	The reinforcing effect of graphene nanosheets on the cryogenic mechanical properties of epoxy resins. <i>Composites Science and Technology</i> , 2012, 72, 1581-1587.	7.8	139
26	Layer-structured silver nanowire/polyaniline composite film as a high performance X-band EMI shielding material. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4193-4203.	5.5	138
27	Studies on Me/Al-layered double hydroxides (Me = Ni and Co) as electrode materials for electrochemical capacitors. <i>Electrochimica Acta</i> , 2004, 49, 3137-3141.	5.2	133
28	Synthesis and Characterization of Novel Three-Dimensional Metallic Co Dendritic Superstructures by a Simple Hydrothermal Reduction Route. <i>Crystal Growth and Design</i> , 2008, 8, 1113-1118.	3.0	130
29	Preparation and characterization of shuttle-like $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles by supermolecular template. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2798-2803.	2.9	128
30	Fracture resistance of short-glass-fiber-reinforced and short-carbon-fiber-reinforced polypropylene under Charpy impact load and its dependence on processing. <i>Journal of Materials Processing Technology</i> , 1999, 89-90, 501-507.	6.3	120
31	Self-Assembled 3D Flower-Like Hierarchical $\gamma$ -Ni(OH) <sub>2</sub> Hollow Architectures and their In Situ Thermal Conversion to NiO. <i>Nanoscale Research Letters</i> , 2009, 4, 550-557.	5.7	120
32	Lanthanum-doped ZnO quantum dots with greatly enhanced fluorescent quantum yield. <i>Journal of Materials Chemistry</i> , 2012, 22, 8221.	6.7	120
33	Simultaneously increasing cryogenic strength, ductility and impact resistance of epoxy resins modified by n-butyl glycidyl ether. <i>Polymer</i> , 2009, 50, 1316-1323.	3.8	118
34	Facile Synthesis of Highly Transparent Polymer Nanocomposites by Introduction of Core/Shell Structured Nanoparticles. <i>Chemistry of Materials</i> , 2008, 20, 2637-2643.	6.7	117
35	Novel Silica Tube/Polyimide Composite Films with Variable Low Dielectric Constant. <i>Advanced Materials</i> , 2005, 17, 1056-1059.	21.0	115
36	Wearable Electronics of Silver-Nanowire/Poly(dimethylsiloxane) Nanocomposite for Smart Clothing. <i>Scientific Reports</i> , 2015, 5, 13971.	3.3	112

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37	Transparent and Light-Emitting Epoxy Nanocomposites Containing ZnO Quantum Dots as Encapsulating Materials for Solid State Lighting. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10553-10558.	3.1	107
38	Controlled Synthesis and Characterization of CuO Nanostructures through a Facile Hydrothermal Route in the Presence of Sodium Citrate. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1966-1971.	2.0	105
39	Template-Free Synthesis of Monodispersed and Single-Crystalline Cantaloupe-like Fe <sub>2</sub> O <sub>3</sub> Superstructures. <i>Crystal Growth and Design</i> , 2007, 7, 177-182.	3.0	104
40	The reduction of carbon nanotube (CNT) length during the manufacture of CNT/polymer composites and a method to simultaneously determine the resulting CNT and interfacial strengths. <i>Carbon</i> , 2009, 47, 3192-3200.	10.3	103
41	Flexible wire-shaped strain sensor from cotton thread for human health and motion detection. <i>Scientific Reports</i> , 2017, 7, 45013.	3.3	103
42	Title is missing!. <i>Journal of Materials Science</i> , 2001, 36, 1243-1251.	3.7	101
43	Synthesis of silane surface modified ZnO quantum dots with ultrastable, strong and tunable luminescence. <i>Chemical Communications</i> , 2011, 47, 11921.	4.1	99
44	Biomimicry of bamboo bast fiber with engineering composite materials. <i>Materials Science and Engineering C</i> , 1995, 3, 125-130.	7.3	98
45	Simultaneously enhanced cryogenic tensile strength and fracture toughness of epoxy resins by carboxylic nitrile-butadiene nano-rubber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 55, 178-187.	7.6	95
46	Preparation, characterization and photocatalytic properties of ZnO-coated multi-walled carbon nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 163, 194-198.	3.5	93
47	Cryogenic mechanical behaviors of MMT/epoxy nanocomposites. <i>Composites Science and Technology</i> , 2007, 67, 2934-2940.	7.8	92
48	Paper-based silver-nanowire electronic circuits with outstanding electrical conductivity and extreme bending stability. <i>Nanoscale</i> , 2014, 6, 8495.	5.6	90
49	Fracture resistance of unfilled and calcite-particle-filled ABS composites reinforced by short glass fibers (SGF) under impact load. <i>Composites Part A: Applied Science and Manufacturing</i> , 1998, 29, 631-641.	7.6	89
50	The fibre pull-out energy of misaligned short fibre composites. <i>Journal of Materials Science</i> , 1997, 32, 1985-1993.	3.7	88
51	Role of matrix modification on interlaminar shear strength of glass fibre/epoxy composites. <i>Composites Part B: Engineering</i> , 2012, 43, 95-98.	12.0	88
52	Dielectric and dynamic mechanical properties of polyimide/clay nanocomposite films. <i>Chemical Physics Letters</i> , 2005, 401, 553-557.	2.6	86
53	An analytical characterization of the anisotropy of the elastic modulus of misaligned short-fiber-reinforced polymers. <i>Composites Science and Technology</i> , 1998, 58, 1961-1972.	7.8	83
54	Synthesis and magnetic characterization of novel CoFe <sub>2</sub> O <sub>4</sub> /BiFeO <sub>3</sub> nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 121, 255-260.	3.5	83

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55	Anomalous ferromagnetic behavior of CuO nanorods synthesized via hydrothermal method. Solid State Communications, 2007, 141, 431-435.	1.9	80
56	Synthesis, characterization and magnetic properties of $\gamma$ -MnO <sub>2</sub> nanorods. Powder Technology, 2005, 154, 120-124.	4.2	79
57	Synthesis of carbon nanotube/epoxy composite films with a high nanotube loading by a mixed-curing-agent assisted layer-by-layer method and their electrical conductivity. Carbon, 2010, 48, 2057-2062.	10.3	79
58	Strengthening effects of twin interface in Cu/Ni multilayer thin films – A molecular dynamics study. Materials and Design, 2016, 111, 1-8.	7.0	79
59	Activated carbon from nitrogen rich watermelon rind for high-performance supercapacitors. RSC Advances, 2016, 6, 59333-59342.	3.6	79
60	Improved cryogenic interlaminar shear strength of glass fabric/epoxy composites by graphene oxide. Composites Part B: Engineering, 2015, 73, 126-131.	12.0	78
61	Facile Synthesis and Luminescent Properties of Novel Flowerlike BaMoO <sub>4</sub> Nanostructures by a Simple Hydrothermal Route. Journal of Physical Chemistry C, 2009, 113, 4856-4861.	3.1	77
62	Synthesis of epoxy composites with high carbon nanotube loading and effects of tubular and wavy morphology on composite strength and modulus. Polymer, 2011, 52, 6037-6045.	3.8	76
63	Synergistic effect on the fracture toughness of hybrid short glass fiber and short carbon fiber reinforced polypropylene composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 323, 326-335.	5.6	75
64	Facile Synthesis of Metallic Co Hierarchical Nanostructured Microspheres by a Simple Solvothermal Process. Journal of Physical Chemistry C, 2008, 112, 10073-10078.	3.1	75
65	Cryogenic mechanical behaviors of carbon nanotube reinforced composites based on modified epoxy by poly(ethersulfone). Composites Part B: Engineering, 2012, 43, 22-26.	12.0	75
66	Ternary Ag/Epoxy Adhesive with Excellent Overall Performance. ACS Applied Materials & Interfaces, 2015, 7, 8041-8052.	8.0	75
67	Highly Compressible and Sensitive Pressure Sensor under Large Strain Based on 3D Porous Reduced Graphene Oxide Fiber Fabrics in Wide Compression Strains. ACS Applied Materials & Interfaces, 2019, 11, 37051-37059.	8.0	74
68	Thermal conductivity of misaligned short-fiber-reinforced polymer composites. Journal of Applied Polymer Science, 2003, 88, 1497-1505.	2.6	72
69	Tensile and flexural properties of graphene oxide coated-short glass fiber reinforced polyethersulfone composites. Composites Part B: Engineering, 2016, 99, 407-415.	12.0	72
70	Charing polymer wrapped carbon nanotubes for simultaneously improving the flame retardancy and mechanical properties of epoxy resin. Polymer, 2011, 52, 4891-4898.	3.8	71
71	Investigations on structure-dependent microwave absorption performance of nano-Fe <sub>3</sub> O <sub>4</sub> coated carbon-based absorbers. Carbon, 2019, 144, 216-227.	10.3	71
72	Surfactant-Assisted Synthesis and Characterization of Novel Chain-Like CoNi Alloy Assemblies. European Journal of Inorganic Chemistry, 2007, 2007, 3947-3951.	2.0	70

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73	Synthesis of nanocrystalline spinel CoFe <sub>2</sub> O <sub>4</sub> via a polymer-pyrolysis route. Physica B: Condensed Matter, 2005, 370, 14-21.	2.7	69
74	Fabrication of octahedral magnetite microcrystals. Materials Letters, 2006, 60, 2979-2983.	2.6	68
75	Study on the surface performance of carbon fibres irradiated by $\beta$ -ray under different irradiation dose. Applied Surface Science, 2010, 256, 2000-2004.	6.1	68
76	Investigation on the interfacial mechanical properties of hybrid graphene-carbon nanotube/polymer nanocomposites. Carbon, 2017, 115, 694-700.	10.3	68
77	High-Performance Structural Flexible Strain Sensors Based on Graphene-Coated Glass Fabric/Silicone Composite. ACS Applied Materials & Interfaces, 2018, 10, 35503-35509.	8.0	68
78	Preparation and cryogenic mechanical properties of epoxy resins modified by poly(ethersulfone). Journal of Polymer Science Part A, 2008, 46, 612-624.	2.3	67
79	Mass synthesis of nanocrystalline spinel ferrites by a polymer-pyrolysis route. Materials Science and Engineering C, 2007, 27, 750-755.	7.3	66
80	Positive synergistic effect of graphene oxide/carbon nanotube hybrid coating on glass fiber/epoxy interfacial normal bond strength. Composites Science and Technology, 2017, 149, 294-304.	7.8	66
81	Analyses of the micromechanics of stress transfer in single- and multi-fiber pull-out tests. Composites Science and Technology, 2000, 60, 569-579.	7.8	65
82	Photo-stabilization properties of transparent inorganic UV-filter/epoxy nanocomposites. Composites Science and Technology, 2007, 67, 3465-3471.	7.8	64
83	High-Performance Bamboo Steel Derived from Natural Bamboo. ACS Applied Materials & Interfaces, 2021, 13, 1431-1440.	8.0	63
84	Controllable synthesis and luminescent properties of novel erythrocyte-like CaMoO <sub>4</sub> hierarchical nanostructures via a simple surfactant-free hydrothermal route. Dalton Transactions, 2010, 39, 2226-2231.	3.3	62
85	Preparation of pore-size controllable activated carbon fibers from bamboo fibers with superior performance for xenon storage. Chemical Engineering Journal, 2015, 270, 528-534.	12.7	62
86	Strength anisotropy of misaligned short-fibre-reinforced polymers. Composites Science and Technology, 1999, 59, 699-708.	7.8	61
87	Greatly enhanced cryogenic mechanical properties of short carbon fiber/polyethersulfone composites by graphene oxide coating. Composites Part A: Applied Science and Manufacturing, 2016, 89, 47-55.	7.6	60
88	Generation mechanism of nonlinear ultrasonic Lamb waves in thin plates with randomly distributed micro-cracks. Ultrasonics, 2017, 79, 60-67.	3.9	60
89	High-yield synthesis and characterization of monodisperse sub-microsized CoFe <sub>2</sub> O <sub>4</sub> octahedra. Journal of Solid State Chemistry, 2007, 180, 461-466.	2.9	59
90	Electrical resistance change and crack behavior in carbon nanotube/polymer composites under tensile loading. Composites Part B: Engineering, 2012, 43, 39-43.	12.0	59

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91	Polyacrylamide Hydrogel Composite E-skin Fully Mimicking Human Skin. ACS Applied Materials & Interfaces, 2021, 13, 32084-32093.	8.0	56
92	Dominance of Broken Bonds and Unpaired Nonbonding $\pi$ -Electrons in the Band Gap Expansion and Edge States Generation in Graphene Nanoribbons. Journal of Physical Chemistry C, 2008, 112, 18927-18934.	3.1	55
93	Carbonized polydopamine nanoparticle reinforced graphene films with superior thermal conductivity. Carbon, 2019, 149, 173-180.	10.3	55
94	Correction of the measurement of fiber length of short fiber reinforced thermoplastics. Composites Part A: Applied Science and Manufacturing, 2002, 33, 1549-1555.	7.6	54
95	Tensile creep behavior of short-carbon-fiber reinforced polyetherimide composites. Composites Part B: Engineering, 2021, 212, 108717.	12.0	53
96	High-yield synthesis of dendritic Ni nanostructures by hydrothermal reduction. Journal of Crystal Growth, 2007, 306, 428-432.	1.5	52
97	Facile synthesis of antimony-doped tin oxide nanoparticles by a polymer-pyrolysis method. Materials Research Bulletin, 2010, 45, 677-681.	5.2	51
98	Improvements in transmittance, mechanical properties and thermal stability of silica/polyimide composite films by a novel sol-gel route. Composites Science and Technology, 2007, 67, 2408-2416.	7.8	50
99	Cryogenic-temperature-induced transition from shear to dilatational failure in metallic glasses. Acta Materialia, 2014, 77, 248-257.	7.9	50
100	Improvement of the piezoelectric properties of PVDF-HFP using AgNWs. RSC Advances, 2014, 4, 35896-35903.	3.6	50
101	The interfacial mechanical properties of functionalized graphene/polymer nanocomposites. RSC Advances, 2016, 6, 66658-66664.	3.6	50
102	Facile hydrothermal synthesis of 3D hierarchical Bi <sub>2</sub> SiO <sub>5</sub> nanoflowers and their luminescent properties. Solid State Sciences, 2010, 12, 637-642.	3.2	49
103	Controllable fabrication and magnetic-field assisted alignment of Fe <sub>3</sub> O <sub>4</sub> -coated Ag nanowires via a facile co-precipitation method. Journal of Materials Chemistry C, 2013, 1, 4879.	5.5	49
104	The flexural modulus of misaligned short-fiber-reinforced polymers. Composites Science and Technology, 1999, 59, 1533-1542.	7.8	48
105	Studies on characterization and cryogenic mechanical properties of polyimide-layered silicate nanocomposite films. Polymer, 2004, 45, 7579-7587.	3.8	48
106	Synthesis and cryogenic properties of polyimide/silica hybrid films by sol-gel process. Polymer, 2005, 46, 8373-8378.	3.8	48
107	Electromagnetic Functionalized Cage-like Polyaniline Composite Nanostructures. Journal of Physical Chemistry B, 2008, 112, 9289-9294.	2.6	48
108	Enhanced cryogenic interfacial normal bond property between carbon fibers and epoxy matrix by carbon nanotubes. Composites Science and Technology, 2014, 104, 59-65.	7.8	48



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109	Simultaneously Enhanced Cryogenic Tensile Strength, Ductility and Impact Resistance of Epoxy Resins by Polyethylene Glycol. Journal of Materials Science and Technology, 2014, 30, 90-96.	10.7	48
110	Novel ultraviolet-opaque, visible-transparent and light-emitting ZnO-QD/silicone composites with tunable luminescence colors. Polymer, 2010, 51, 2755-2762.	3.8	47
111	A biomimetic multifunctional electronic hair sensor. Journal of Materials Chemistry A, 2019, 7, 1889-1896.	10.3	47
112	Highly stretchable CNT Fiber/PAAm hydrogel composite simultaneously serving as strain sensor and supercapacitor. Composites Part B: Engineering, 2020, 198, 108246.	12.0	47
113	Transparent and Light-Emitting Epoxy Super-Nanocomposites Containing ZnO-QDs/SiO <sub>2</sub> Nanocomposite Particles as Encapsulating Materials for Solid-State Lighting. Journal of Physical Chemistry C, 2008, 112, 18616-18622.	3.1	46
114	One-step synthesis, electromagnetic and microwave absorbing properties of $\text{Fe}^{2+}$ -FeOOH/polypyrrole nanocomposites. Composites Science and Technology, 2010, 70, 909-915.	7.8	46
115	Preparation and Optical Properties of Novel Transparent Al-Doped-ZnO/Epoxy Nanocomposites. Journal of Physical Chemistry C, 2009, 113, 9406-9411.	3.1	45
116	Mechanical and tribological properties of short glass fiber and short carbon fiber reinforced polyethersulfone composites: A comparative study. Composites Communications, 2018, 8, 1-6.	6.3	45
117	Enhanced interlaminar shear strength of ramie fiber/polypropylene composites by optimal combination of graphene oxide size and content. Composites Part B: Engineering, 2019, 168, 488-495.	12.0	45
118	Reformed bamboo and reformed bamboo/aluminium composite. Journal of Materials Science, 1994, 29, 5990-5996.	3.7	41
119	Effects of PA6,6/PP ratio on the mechanical properties of short glass fiber reinforced and rubber-toughened polyamide 6,6/polypropylene blends. Composites Part B: Engineering, 2005, 37, 182-190.	12.0	41
120	Electrical Switch for Smart pH Self-Adjusting System Based on Silver Nanowire/Polyaniline Nanocomposite Film. ACS Nano, 2015, 9, 3234-3242.	14.6	41
121	Epoxy nanocomposites significantly toughened by both poly(sulfone) and graphene oxide. Composites Communications, 2019, 14, 55-60.	6.3	41
122	Studies on thermal and mechanical properties of PI/SiO <sub>2</sub> nanocomposite films at low temperature. Composites Part A: Applied Science and Manufacturing, 2006, 37, 74-79.	7.6	40
123	Significant Enhancements in the Fluorescence and Phosphorescence of ZnO Quantum Dots/SiO <sub>2</sub> Nanocomposites by Calcination. Journal of Physical Chemistry C, 2008, 112, 17397-17401.	3.1	40
124	Spider-Inspired Ultrasensitive Flexible Vibration Sensor for Multifunctional Sensing. ACS Applied Materials & Interfaces, 2020, 12, 30871-30881.	8.0	39
125	Flexible pressure sensor with a tunable pressure-detecting range for various human motions. Carbon, 2021, 173, 736-743.	10.3	39
126	Multifunctional Polyurethane Composite Foam with Outstanding Anti-impact Capacity for Soft Body Armors. ACS Applied Materials & Interfaces, 2022, 14, 13778-13789.	8.0	39



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127	Rapid Laser Printing of Paper-Based Multilayer Circuits. ACS Nano, 2016, 10, 8895-8903.	14.6	38
128	Effectively enhanced mechanical properties of injection molded short carbon fiber reinforced polyethersulfone composites by phenol-formaldehyde resin sizing. Composites Part B: Engineering, 2018, 139, 216-226.	12.0	38
129	Enhancement of thermal energy transport across the graphene/h-BN heterostructure interface. Nanoscale, 2019, 11, 4067-4072.	5.6	38
130	Mechanical, tribological and thermal properties of injection molded short carbon fiber/expanded graphite/polyetherimide composites. Composites Science and Technology, 2021, 201, 108498.	7.8	38
131	Novel core-shell structured BiVO <sub>4</sub> hollow spheres with an ultra-high surface area as visible-light-driven catalyst. CrystEngComm, 2014, 16, 6059-6065.	2.6	37
132	Failure mechanisms of laminated composites subjected to static indentation. Composite Structures, 2006, 75, 489-495.	5.8	36
133	Laser-Printed In-Plane Micro-Supercapacitors: From Symmetric to Asymmetric Structure. ACS Applied Materials & Interfaces, 2018, 10, 723-732.	8.0	36
134	Enhanced cryogenic mechanical properties of carbon fiber reinforced epoxy composites by introducing graphene oxide. Composites Communications, 2020, 22, 100480.	6.3	36
135	EFFECTS OF FIBER LENGTH AND ORIENTATION DISTRIBUTIONS ON THE MECHANICAL PROPERTIES OF SHORT-FIBER-REINFORCED POLYMERS. Zairyo/Journal of the Society of Materials Science, Japan, 1999, 48, 74-83.	0.2	35
136	On the elastic stress transfer and longitudinal modulus of unidirectional multi-short-fiber composites. Composites Science and Technology, 2000, 60, 3001-3012.	7.8	35
137	Continuum modeling of van der Waals interactions between carbon nanotube walls. Applied Physics Letters, 2009, 94, .	3.3	35
138	Super soft but strong E-Skin based on carbon fiber/carbon black/silicone composite: Truly mimicking tactile sensing and mechanical behavior of human skin. Composites Science and Technology, 2020, 186, 107910.	7.8	35
139	Largely improved dimensional stability of short carbon fiber reinforced polyethersulfone composites by graphene oxide coating at a low content. Carbon, 2017, 119, 339-349.	10.3	34
140	Multiscale modeling of mechanical behaviors of carbon fiber reinforced epoxy composites subjected to hygrothermal aging. Composite Structures, 2021, 256, 113098.	5.8	34
141	Synthesis of maghemite sub-microspheres by simple solvothermal reduction method. Journal of Solid State Chemistry, 2006, 179, 1554-1558.	2.9	33
142	Novel electromagnetic functionalized Fe <sub>2</sub> O <sub>3</sub> /polypyrrole composite nanostructures with high conductivity. Journal of Polymer Science Part A, 2009, 47, 4446-4453.	2.3	32
143	Synthesis and physical properties of electromagnetic polypyrrole composites via addition of magnetic crystals. CrystEngComm, 2014, 16, 2097.	2.6	32
144	Bio-inspired highly flexible dual-mode electronic cilia. Journal of Materials Chemistry B, 2018, 6, 896-902.	5.8	32

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145	A new analytical model for predicting the electrical conductivity of carbon nanotube nanocomposites. <i>Composites Communications</i> , 2021, 23, 100577.	6.3	32
146	Magnetic properties of Ni ferrite nanocrystals dispersed in the silica matrix by sol-gel technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 281, 234-239.	2.3	31
147	Template-free solvothermal synthesis and magnetic properties of novel single-crystalline magnetite nanoplates. <i>Journal of Alloys and Compounds</i> , 2009, 477, 736-738.	5.5	31
148	Bioinspired Flexible and Highly Responsive Dual-Mode Strain/Magnetism Composite Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11197-11203.	8.0	31
149	On the Evaluation of the Sensitivity Coefficient of Strain Sensors. <i>Advanced Electronic Materials</i> , 2018, 4, 1800353.	5.1	31
150	Improved mechanical and antibacterial properties of silver-graphene oxide hybrid/poly(lactid acid) composites by in-situ polymerization. <i>Industrial Crops and Products</i> , 2019, 130, 571-579.	5.2	31
151	Bioinspired Color-Changeable Organogel Tactile Sensor with Excellent Overall Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 49866-49875.	8.0	31
152	Graphene/Graphitized Polydopamine/Carbon Nanotube All-Carbon Ternary Composite Films with Improved Mechanical Properties and Through-Plane Thermal Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57391-57400.	8.0	31
153	Effectively enhanced interlaminar shear strength of carbon fiber fabric/epoxy composites by oxidized short carbon fibers at an extremely low content. <i>Composites Science and Technology</i> , 2019, 183, 107803.	7.8	30
154	Frictional characteristics of graphene oxide-modified continuous glass fiber reinforced epoxy composite. <i>Composites Science and Technology</i> , 2022, 223, 109446.	7.8	30
155	Multiresponsive $\text{Ti}_3\text{C}_2\text{T}_x$ MXene-Based Actuators Enabled by Dual-Mechanism Synergism for Soft Robotics. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 21474-21485.	8.0	30
156	Investigation of polyimide-mica hybrid films for cryogenic applications. <i>Composites Science and Technology</i> , 2005, 65, 1743-1748.	7.8	29
157	On the post-mortem fracture surface morphology of short fiber reinforced thermoplastics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005, 36, 987-994.	7.6	29
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