

Shao-Yun Fu

List of Publications by Year in descending order

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271
papers

17,882
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14124

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times ranked

20416
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#	ARTICLE	IF	CITATIONS
1	Effects of particle size, particle/matrix interface adhesion and particle loading on mechanical properties of particulate-polymer composites. <i>Composites Part B: Engineering</i> , 2008, 39, 933-961.	5.9	2,646
2	Tensile properties of short-glass-fiber- and short-carbon-fiber-reinforced polypropylene composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2000, 31, 1117-1125.	3.8	682
3	Some basic aspects of polymer nanocomposites: A critical review. <i>Nano Materials Science</i> , 2019, 1, 2-30.	3.9	499
4	Enhanced Microwave Absorption Performance of Coated Carbon Nanotubes by Optimizing the Fe ₃ O ₄ Nanocoating Structure. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2973-2983.	4.0	441
5	Electromagnetic interference shielding effect of nanocomposites with carbon nanotube and shape memory polymer. <i>Composites Science and Technology</i> , 2007, 67, 2973-2980.	3.8	266
6	Preparation and characterization of transparent ZnO/epoxy nanocomposites with high-UV shielding efficiency. <i>Polymer</i> , 2006, 47, 2127-2132.	1.8	255
7	One-Pot Template-Free Synthesis of Monodisperse and Single-Crystal Magnetite Hollow Spheres by a Simple Solvothermal Route. <i>Crystal Growth and Design</i> , 2008, 8, 957-963.	1.4	223
8	Significantly modified tribological performance of epoxy nanocomposites at very low graphene oxide content. <i>Polymer</i> , 2013, 54, 1234-1242.	1.8	214
9	Highly Flexible Strain Sensor from Tissue Paper for Wearable Electronics. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4288-4295.	3.2	204
10	The elastic modulus of misaligned short-fiber-reinforced polymers. <i>Composites Science and Technology</i> , 1998, 58, 389-400.	3.8	198
11	Reinforcement of epoxy resins with multi-walled carbon nanotubes for enhancing cryogenic mechanical properties. <i>Polymer</i> , 2009, 50, 4753-4759.	1.8	192
12	Preparation and mechanical properties of modified epoxy resins with flexible diamines. <i>Polymer</i> , 2007, 48, 302-310.	1.8	189
13	Multifunctional Wearable Device Based on Flexible and Conductive Carbon Sponge/Polydimethylsiloxane Composite. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33189-33196.	4.0	179
14	Template-free synthesis and characterization of novel 3D urchin-like Fe_2O_3 superstructures. <i>Journal of Materials Chemistry</i> , 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. <i>Polymer</i> , 2008, 49, 3168-3175.	1.8	167
16	Enhanced mechanical properties of short carbon fiber reinforced polyethersulfone composites by graphene oxide coating. <i>Polymer</i> , 2015, 59, 155-165.	1.8	163
17	Synthesis, magnetic and microwave absorbing properties of core-shell structured MnFe ₂ O ₄ /TiO ₂ nanocomposites. <i>Composites Science and Technology</i> , 2006, 66, 2003-2008.	3.8	161
18	Facile hydrothermal synthesis and photocatalytic activity of bismuth tungstate hierarchical hollow spheres with an ultrahigh surface area. <i>Dalton Transactions</i> , 2010, 39, 3426.	1.6	160

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19	Tribological performance of carbon nanotube/graphene oxide hybrid/epoxy composites. <i>Composites Part B: Engineering</i> , 2014, 57, 120-125.	5.9	156
20	On the elastic modulus of hybrid particle/short-fiber/polymer composites. <i>Composites Part B: Engineering</i> , 2002, 33, 291-299.	5.9	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.	2.8	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.	3.8	147
23	Cryogenic properties of SiO ₂ /epoxy nanocomposites. <i>Cryogenics</i> , 2005, 45, 450-454.	0.9	147
24	Preparation of urchinlike NiO nanostructures and their electrochemical capacitive behaviors. <i>Materials Research Bulletin</i> , 2006, 41, 620-627.	2.7	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.	3.8	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.	2.7	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.	2.6	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.	1.4	130
29	Preparation and characterization of shuttle-like Fe ₃ O ₄ nanoparticles by supermolecular template. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2798-2803.	1.4	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.	3.1	120
31	Self-Assembled 3D Flower-Like Hierarchical Ni(OH) ₂ Hollow Architectures and their In Situ Thermal Conversion to NiO. <i>Nanoscale Research Letters</i> , 2009, 4, 550-557.	3.1	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.	1.8	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.	3.2	117
35	Novel Silica Tube/Polyimide Composite Films with Variable Low Dielectric Constant. <i>Advanced Materials</i> , 2005, 17, 1056-1059.	11.1	115
36	Wearable Electronics of Silver-Nanowire/Poly(dimethylsiloxane) Nanocomposite for Smart Clothing. <i>Scientific Reports</i> , 2015, 5, 13971.	1.6	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.	1.5	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.	1.0	105
39	Template-Free Synthesis of Monodispersed and Single-Crystalline Cantaloupe-like Fe ₂ O ₃ Superstructures. <i>Crystal Growth and Design</i> , 2007, 7, 177-182.	1.4	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.	5.4	103
41	Flexible wire-shaped strain sensor from cotton thread for human health and motion detection. <i>Scientific Reports</i> , 2017, 7, 45013.	1.6	103
42	Title is missing!. <i>Journal of Materials Science</i> , 2001, 36, 1243-1251.	1.7	101
43	Synthesis of silane surface modified ZnO quantum dots with ultrastable, strong and tunable luminescence. <i>Chemical Communications</i> , 2011, 47, 11921.	2.2	99
44	Biomimicry of bamboo bast fiber with engineering composite materials. <i>Materials Science and Engineering C</i> , 1995, 3, 125-130.	3.8	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.	3.8	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.	1.7	93
47	Cryogenic mechanical behaviors of MMT/epoxy nanocomposites. <i>Composites Science and Technology</i> , 2007, 67, 2934-2940.	3.8	92
48	Paper-based silver-nanowire electronic circuits with outstanding electrical conductivity and extreme bending stability. <i>Nanoscale</i> , 2014, 6, 8495.	2.8	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.	3.8	89
50	The fibre pull-out energy of misaligned short fibre composites. <i>Journal of Materials Science</i> , 1997, 32, 1985-1993.	1.7	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.	5.9	88
52	Dielectric and dynamic mechanical properties of polyimide/clay nanocomposite films. <i>Chemical Physics Letters</i> , 2005, 401, 553-557.	1.2	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.	3.8	83
54	Synthesis and magnetic characterization of novel CoFe ₂ O ₄ /BiFeO ₃ nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 121, 255-260.	1.7	83

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55	Anomalous ferromagnetic behavior of CuO nanorods synthesized via hydrothermal method. <i>Solid State Communications</i> , 2007, 141, 431-435.	0.9	80
56	Synthesis, characterization and magnetic properties of δ -MnO ₂ nanorods. <i>Powder Technology</i> , 2005, 154, 120-124.	2.1	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. <i>Carbon</i> , 2010, 48, 2057-2062.	5.4	79
58	Strengthening effects of twin interface in Cu/Ni multilayer thin films – A molecular dynamics study. <i>Materials and Design</i> , 2016, 111, 1-8.	3.3	79
59	Activated carbon from nitrogen rich watermelon rind for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 59333-59342.	1.7	79
60	Improved cryogenic interlaminar shear strength of glass fabric/epoxy composites by graphene oxide. <i>Composites Part B: Engineering</i> , 2015, 73, 126-131.	5.9	78
61	Facile Synthesis and Luminescent Properties of Novel Flowerlike BaMoO ₄ Nanostructures by a Simple Hydrothermal Route. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4856-4861.	1.5	77
62	Synthesis of epoxy composites with high carbon nanotube loading and effects of tubular and wavy morphology on composite strength and modulus. <i>Polymer</i> , 2011, 52, 6037-6045.	1.8	76
63	Synergistic effect on the fracture toughness of hybrid short glass fiber and short carbon fiber reinforced polypropylene composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 323, 326-335.	2.6	75
64	Facile Synthesis of Metallic Co Hierarchical Nanostructured Microspheres by a Simple Solvothermal Process. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10073-10078.	1.5	75
65	Cryogenic mechanical behaviors of carbon nanotube reinforced composites based on modified epoxy by poly(ethersulfone). <i>Composites Part B: Engineering</i> , 2012, 43, 22-26.	5.9	75
66	Ternary Ag/Epoxy Adhesive with Excellent Overall Performance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8041-8052.	4.0	75
67	Highly Compressible and Sensitive Pressure Sensor under Large Strain Based on 3D Porous Reduced Graphene Oxide Fiber Fabrics in Wide Compression Strains. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37051-37059.	4.0	74
68	Thermal conductivity of misaligned short-fiber-reinforced polymer composites. <i>Journal of Applied Polymer Science</i> , 2003, 88, 1497-1505.	1.3	72
69	Tensile and flexural properties of graphene oxide coated-short glass fiber reinforced polyethersulfone composites. <i>Composites Part B: Engineering</i> , 2016, 99, 407-415.	5.9	72
70	Charring polymer wrapped carbon nanotubes for simultaneously improving the flame retardancy and mechanical properties of epoxy resin. <i>Polymer</i> , 2011, 52, 4891-4898.	1.8	71
71	Investigations on structure-dependent microwave absorption performance of nano-Fe ₃ O ₄ coated carbon-based absorbers. <i>Carbon</i> , 2019, 144, 216-227.	5.4	71
72	Surfactant-Assisted Synthesis and Characterization of Novel Chain-Like CoNi Alloy Assemblies. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3947-3951.	1.0	70

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73	Synthesis of nanocrystalline spinel CoFe ₂ O ₄ via a polymer-pyrolysis route. <i>Physica B: Condensed Matter</i> , 2005, 370, 14-21.	1.3	69
74	Fabrication of octahedral magnetite microcrystals. <i>Materials Letters</i> , 2006, 60, 2979-2983.	1.3	68
75	Study on the surface performance of carbon fibres irradiated by $\hat{\beta}$ -ray under different irradiation dose. <i>Applied Surface Science</i> , 2010, 256, 2000-2004.	3.1	68
76	Investigation on the interfacial mechanical properties of hybrid graphene-carbon nanotube/polymer nanocomposites. <i>Carbon</i> , 2017, 115, 694-700.	5.4	68
77	High-Performance Structural Flexible Strain Sensors Based on Graphene-Coated Glass Fabric/Silicone Composite. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35503-35509.	4.0	68
78	Preparation and cryogenic mechanical properties of epoxy resins modified by poly(ethersulfone). <i>Journal of Polymer Science Part A</i> , 2008, 46, 612-624.	2.5	67
79	Mass synthesis of nanocrystalline spinel ferrites by a polymer-pyrolysis route. <i>Materials Science and Engineering C</i> , 2007, 27, 750-755.	3.8	66
80	Positive synergistic effect of graphene oxide/carbon nanotube hybrid coating on glass fiber/epoxy interfacial normal bond strength. <i>Composites Science and Technology</i> , 2017, 149, 294-304.	3.8	66
81	Analyses of the micromechanics of stress transfer in single- and multi-fiber pull-out tests. <i>Composites Science and Technology</i> , 2000, 60, 569-579.	3.8	65
82	Photo-stabilization properties of transparent inorganic UV-filter/epoxy nanocomposites. <i>Composites Science and Technology</i> , 2007, 67, 3465-3471.	3.8	64
83	High-Performance Bamboo Steel Derived from Natural Bamboo. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1431-1440.	4.0	63
84	Controllable synthesis and luminescent properties of novel erythrocyte-like CaMoO ₄ hierarchical nanostructures via a simple surfactant-free hydrothermal route. <i>Dalton Transactions</i> , 2010, 39, 2226-2231.	1.6	62
85	Preparation of pore-size controllable activated carbon fibers from bamboo fibers with superior performance for xenon storage. <i>Chemical Engineering Journal</i> , 2015, 270, 528-534.	6.6	62
86	Strength anisotropy of misaligned short-fibre-reinforced polymers. <i>Composites Science and Technology</i> , 1999, 59, 699-708.	3.8	61
87	Greatly enhanced cryogenic mechanical properties of short carbon fiber/polyethersulfone composites by graphene oxide coating. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 89, 47-55.	3.8	60
88	Generation mechanism of nonlinear ultrasonic Lamb waves in thin plates with randomly distributed micro-cracks. <i>Ultrasonics</i> , 2017, 79, 60-67.	2.1	60
89	High-yield synthesis and characterization of monodisperse sub-microsized CoFe ₂ O ₄ octahedra. <i>Journal of Solid State Chemistry</i> , 2007, 180, 461-466.	1.4	59
90	Electrical resistance change and crack behavior in carbon nanotube/polymer composites under tensile loading. <i>Composites Part B: Engineering</i> , 2012, 43, 39-43.	5.9	59

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91	Polyacrylamide Hydrogel Composite E-skin Fully Mimicking Human Skin. ACS Applied Materials & Interfaces, 2021, 13, 32084-32093.	4.0	56
92	Dominance of Broken Bonds and Unpaired Nonbonding π -Electrons in the Band Gap Expansion and Edge States Generation in Graphene Nanoribbons. Journal of Physical Chemistry C, 2008, 112, 18927-18934.	1.5	55
93	Carbonized polydopamine nanoparticle reinforced graphene films with superior thermal conductivity. Carbon, 2019, 149, 173-180.	5.4	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.	3.8	54
95	Tensile creep behavior of short-carbon-fiber reinforced polyetherimide composites. Composites Part B: Engineering, 2021, 212, 108717.	5.9	53
96	High-yield synthesis of dendritic Ni nanostructures by hydrothermal reduction. Journal of Crystal Growth, 2007, 306, 428-432.	0.7	52
97	Facile synthesis of antimony-doped tin oxide nanoparticles by a polymer-pyrolysis method. Materials Research Bulletin, 2010, 45, 677-681.	2.7	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.	3.8	50
99	Cryogenic-temperature-induced transition from shear to dilatational failure in metallic glasses. Acta Materialia, 2014, 77, 248-257.	3.8	50
100	Improvement of the piezoelectric properties of PVDF-HFP using AgNWs. RSC Advances, 2014, 4, 35896-35903.	1.7	50
101	The interfacial mechanical properties of functionalized graphene/polymer nanocomposites. RSC Advances, 2016, 6, 66658-66664.	1.7	50
102	Facile hydrothermal synthesis of 3D hierarchical Bi ₂ SiO ₅ nanoflowers and their luminescent properties. Solid State Sciences, 2010, 12, 637-642.	1.5	49
103	Controllable fabrication and magnetic-field assisted alignment of Fe ₃ O ₄ -coated Ag nanowires via a facile co-precipitation method. Journal of Materials Chemistry C, 2013, 1, 4879.	2.7	49
104	The flexural modulus of misaligned short-fiber-reinforced polymers. Composites Science and Technology, 1999, 59, 1533-1542.	3.8	48
105	Studies on characterization and cryogenic mechanical properties of polyimide-layered silicate nanocomposite films. Polymer, 2004, 45, 7579-7587.	1.8	48
106	Synthesis and cryogenic properties of polyimide/silica hybrid films by sol-gel process. Polymer, 2005, 46, 8373-8378.	1.8	48
107	Electromagnetic Functionalized Cage-like Polyaniline Composite Nanostructures. Journal of Physical Chemistry B, 2008, 112, 9289-9294.	1.2	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.	3.8	48

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109	Simultaneously Enhanced Cryogenic Tensile Strength, Ductility and Impact Resistance of Epoxy Resins by Polyethylene Glycol. <i>Journal of Materials Science and Technology</i> , 2014, 30, 90-96.	5.6	48
110	Novel ultraviolet-opaque, visible-transparent and light-emitting ZnO-QD/silicone composites with tunable luminescence colors. <i>Polymer</i> , 2010, 51, 2755-2762.	1.8	47
111	A biomimetic multifunctional electronic hair sensor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1889-1896.	5.2	47
112	Highly stretchable CNT Fiber/PAAm hydrogel composite simultaneously serving as strain sensor and supercapacitor. <i>Composites Part B: Engineering</i> , 2020, 198, 108246.	5.9	47
113	Transparent and Light-Emitting Epoxy Super-Nanocomposites Containing ZnO-QDs/SiO ₂ Nanocomposite Particles as Encapsulating Materials for Solid-State Lighting. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18616-18622.	1.5	46
114	One-step synthesis, electromagnetic and microwave absorbing properties of $\text{Fe}^{\pm}\text{-FeOOH}$ /polypyrrole nanocomposites. <i>Composites Science and Technology</i> , 2010, 70, 909-915.	3.8	46
115	Preparation and Optical Properties of Novel Transparent Al-Doped-ZnO/Epoxy Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9406-9411.	1.5	45
116	Mechanical and tribological properties of short glass fiber and short carbon fiber reinforced polyethersulfone composites: A comparative study. <i>Composites Communications</i> , 2018, 8, 1-6.	3.3	45
117	Enhanced interlaminar shear strength of ramie fiber/polypropylene composites by optimal combination of graphene oxide size and content. <i>Composites Part B: Engineering</i> , 2019, 168, 488-495.	5.9	45
118	Reformed bamboo and reformed bamboo/aluminium composite. <i>Journal of Materials Science</i> , 1994, 29, 5990-5996.	1.7	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. <i>Composites Part B: Engineering</i> , 2005, 37, 182-190.	5.9	41
120	Electrical Switch for Smart pH Self-Adjusting System Based on Silver Nanowire/Polyaniline Nanocomposite Film. <i>ACS Nano</i> , 2015, 9, 3234-3242.	7.3	41
121	Epoxy nanocomposites significantly toughened by both poly(sulfone) and graphene oxide. <i>Composites Communications</i> , 2019, 14, 55-60.	3.3	41
122	Studies on thermal and mechanical properties of PI/SiO ₂ nanocomposite films at low temperature. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 74-79.	3.8	40
123	Significant Enhancements in the Fluorescence and Phosphorescence of ZnO Quantum Dots/SiO ₂ Nanocomposites by Calcination. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17397-17401.	1.5	40
124	Spider-Inspired Ultrasensitive Flexible Vibration Sensor for Multifunctional Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30871-30881.	4.0	39
125	Flexible pressure sensor with a tunable pressure-detecting range for various human motions. <i>Carbon</i> , 2021, 173, 736-743.	5.4	39
126	Multifunctional Polyurethane Composite Foam with Outstanding Anti-impact Capacity for Soft Body Armors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13778-13789.	4.0	39

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127	Rapid Laser Printing of Paper-Based Multilayer Circuits. <i>ACS Nano</i> , 2016, 10, 8895-8903.	7.3	38
128	Effectively enhanced mechanical properties of injection molded short carbon fiber reinforced polyethersulfone composites by phenol-formaldehyde resin sizing. <i>Composites Part B: Engineering</i> , 2018, 139, 216-226.	5.9	38
129	Enhancement of thermal energy transport across the graphene/h-BN heterostructure interface. <i>Nanoscale</i> , 2019, 11, 4067-4072.	2.8	38
130	Mechanical, tribological and thermal properties of injection molded short carbon fiber/expanded graphite/polyetherimide composites. <i>Composites Science and Technology</i> , 2021, 201, 108498.	3.8	38
131	Novel core-shell structured BiVO ₄ hollow spheres with an ultra-high surface area as visible-light-driven catalyst. <i>CrystEngComm</i> , 2014, 16, 6059-6065.	1.3	37
132	Failure mechanisms of laminated composites subjected to static indentation. <i>Composite Structures</i> , 2006, 75, 489-495.	3.1	36
133	Laser-Printed In-Plane Micro-Supercapacitors: From Symmetric to Asymmetric Structure. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 723-732.	4.0	36
134	Enhanced cryogenic mechanical properties of carbon fiber reinforced epoxy composites by introducing graphene oxide. <i>Composites Communications</i> , 2020, 22, 100480.	3.3	36
135	EFFECTS OF FIBER LENGTH AND ORIENTATION DISTRIBUTIONS ON THE MECHANICAL PROPERTIES OF SHORT-FIBER-REINFORCED POLYMERS. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 1999, 48, 74-83.	0.1	35
136	On the elastic stress transfer and longitudinal modulus of unidirectional multi-short-fiber composites. <i>Composites Science and Technology</i> , 2000, 60, 3001-3012.	3.8	35
137	Continuum modeling of van der Waals interactions between carbon nanotube walls. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	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. <i>Composites Science and Technology</i> , 2020, 186, 107910.	3.8	35
139	Largely improved dimensional stability of short carbon fiber reinforced polyethersulfone composites by graphene oxide coating at a low content. <i>Carbon</i> , 2017, 119, 339-349.	5.4	34
140	Multiscale modeling of mechanical behaviors of carbon fiber reinforced epoxy composites subjected to hygrothermal aging. <i>Composite Structures</i> , 2021, 256, 113098.	3.1	34
141	Synthesis of maghemite sub-microspheres by simple solvothermal reduction method. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1554-1558.	1.4	33
142	Novel electromagnetic functionalized Fe ₂ O ₃ /polypyrrole composite nanostructures with high conductivity. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4446-4453.	2.5	32
143	Synthesis and physical properties of electromagnetic polypyrrole composites via addition of magnetic crystals. <i>CrystEngComm</i> , 2014, 16, 2097.	1.3	32
144	Bio-inspired highly flexible dual-mode electronic cilia. <i>Journal of Materials Chemistry B</i> , 2018, 6, 896-902.	2.9	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.	3.3	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.	1.0	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.	2.8	31
148	Bioinspired Flexible and Highly Responsive Dual-Mode Strain/Magnetism Composite Sensor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11197-11203.	4.0	31
149	On the Evaluation of the Sensitivity Coefficient of Strain Sensors. <i>Advanced Electronic Materials</i> , 2018, 4, 1800353.	2.6	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.	2.5	31
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