

Shao-Yun Fu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Flexible and electrically robust graphene-based nanocomposite paper with hierarchical microstructures for multifunctional wearable devices. Nano Materials Science, 2023, 5, 319-328.	8.8	4
2	Strain effects on the interfacial thermal conductance of graphene/h-BN heterostructure. Nano Materials Science, 2022, 4, 227-234.	8.8	5
3	Stretchable and ultrasensitive strain sensor from carbon nanotube-based composite with significantly enhanced electrical and sensing properties by tailoring segregated conductive networks. Composites Communications, 2022, 29, 100987.	6.3	24
4	Experimental and multiscale modeling investigations of cryo-thermal cycling effects on the mechanical behaviors of carbon fiber reinforced epoxy composites. Composites Part B: Engineering, 2022, 230, 109534.	12.0	19
5	Experimental and simulation investigations of the effect of hybrid GO-thermoplastic polyimide sizing on the temperature-dependent tensile behavior of short carbon fiber/polyetherimide composites. Composites Science and Technology, 2022, 218, 109166.	7.8	18
6	Lithium metal structural battery developed with vacuum bagging. Journal of Materials Chemistry C, 2022, 10, 1887-1895.	5.5	7
7	Superstrong, Lightweight, and Exceptional Environmentally Stable SiO ₂ @GO/Bamboo Composites. ACS Applied Materials & Interfaces, 2022, 14, 7311-7320.	8.0	13
8	A flexible carbonized melamine foam/silicone/epoxy composite pressure sensor with temperature and voltage-adjusted piezoresistivity for ultrawide pressure detection. Journal of Materials Chemistry A, 2022, 10, 9114-9120.	10.3	11
9	Ti ₃ C ₂ T _x MXene/Bamboo Fiber/PDMS Pressure Sensor with Simultaneous Ultrawide Linear Sensing Range, Superb Environmental Stability, and Excellent Biocompatibility. ACS Sustainable Chemistry and Engineering, 2022, 10, 3546-3556.	6.7	20
10	Short carbon fiber reinforced epoxy-ionic liquid electrolyte enabled structural battery via vacuum bagging process. Advanced Composites and Hybrid Materials, 2022, 5, 1799-1811.	21.1	27
11	Multifunctional Polyurethane Composite Foam with Outstanding Anti-impact Capacity for Soft Body Armors. ACS Applied Materials & Interfaces, 2022, 14, 13778-13789.	8.0	39
12	High overall performance transparent bamboo composite via a lignin-modification strategy. Composites Part B: Engineering, 2022, 235, 109798.	12.0	29
13	Frictional characteristics of graphene oxide-modified continuous glass fiber reinforced epoxy composite. Composites Science and Technology, 2022, 223, 109446.	7.8	30
14	Effects of carbon nanotube-polydopamine hybridization on the mechanical properties of short carbon fiber/polyetherimide composites. Composites Part B: Engineering, 2022, 236, 109848.	12.0	19
15	Direct ink writing of a graphene/CNT/silicone composite strain sensor with a near-zero temperature coefficient of resistance. Journal of Materials Chemistry C, 2022, 10, 8226-8233.	5.5	28
16	Preface of "Trends in Nanomaterials and Nanocomposites: Fundamentals, Modelling and Applications" - Festschrift in honor of Prof Yiu-Wing Mai's 75th birthday. Nano Materials Science, 2022, 4, 61-63.	8.8	1
17	Multiresponsive Ti ₃ C ₂ T _x MXene-Based Actuators Enabled by Dual-Mechanism Synergism for Soft Robotics. ACS Applied Materials & Interfaces, 2022, 14, 21474-21485.	8.0	30
18	Effects of cryo-thermal cycling on interlaminar shear strength and thermal expansion coefficient of carbon fiber/graphene oxide-modified epoxy composites. Composites Communications, 2022, 32, 101180.	6.3	20

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19	Modeling the synergistic electrical percolation effect of carbon nanotube/graphene/polymer composites. Composites Science and Technology, 2022, 225, 109496.	7.8	14
20	Heterogeneous carbon/silicone composite for ultrasensitive anisotropic strain sensor with loading-direction-perception capability. Composites Science and Technology, 2022, 227, 109565.	7.8	7
21	Novel Kevlar fabric composite for multifunctional soft body armor. Composites Part B: Engineering, 2022, 242, 110106.	12.0	23
22	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
23	Flexible pressure sensor with a tunable pressure-detecting range for various human motions. Carbon, 2021, 173, 736-743.	10.3	39
24	A new analytical model for predicting the electrical conductivity of carbon nanotube nanocomposites. Composites Communications, 2021, 23, 100577.	6.3	32
25	High-Performance Bamboo Steel Derived from Natural Bamboo. ACS Applied Materials & Interfaces, 2021, 13, 1431-1440.	8.0	63
26	Multiscale modeling of mechanical behaviors of carbon fiber reinforced epoxy composites subjected to hygrothermal aging. Composite Structures, 2021, 256, 113098.	5.8	34
27	Phosphorus and bromine modified epoxy resin with enhanced cryogenic mechanical properties and liquid oxygen compatibility simultaneously. Polymer Testing, 2021, 94, 107051.	4.8	19
28	High-Strength Poly(ethylene oxide) Composite Electrolyte Reinforced with Glass Fiber and Ceramic Electrolyte Simultaneously for Structural Energy Storage. ACS Applied Energy Materials, 2021, 4, 4038-4049.	5.1	19
29	Experimental characterization and molecular dynamics simulation of thermal stability, mechanical properties and liquid oxygen compatibility of multiple epoxy systems for cryotank applications. Extreme Mechanics Letters, 2021, 44, 101227.	4.1	12
30	Tensile creep behavior of short-carbon-fiber reinforced polyetherimide composites. Composites Part B: Engineering, 2021, 212, 108717.	12.0	53
31	Polyacrylamide Hydrogel Composite E-skin Fully Mimicking Human Skin. ACS Applied Materials & Interfaces, 2021, 13, 32084-32093.	8.0	56
32	Temperature-dependent mechanical properties of polyetherimide composites reinforced by graphene oxide-coated short carbon fibers. Composite Structures, 2021, 270, 114075.	5.8	17
33	One-Step Synthesis of Microdome Patterns for Microstructured Pressure Sensors with Ultra-High Sensing Performance. ACS Applied Materials & Interfaces, 2021, 13, 48009-48019.	8.0	22
34	Flexible but robust $\text{Ti}_3\text{C}_2\text{T}_x$ MXene/bamboo microfibril composite paper for high-performance wearable electronics. Journal of Materials Chemistry A, 2021, 9, 26758-26766.	10.3	15
35	1-Pyrenemethanol derived nanocrystal reinforced graphene films with high thermal conductivity and flexibility. Nanotechnology, 2020, 31, 065602.	2.6	8
36	Ultratough reduced graphene oxide composite films synergistically toughened and reinforced by polydopamine wrapped carbon nanotubes. Carbon, 2020, 159, 422-431.	10.3	25

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37	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
38	Architectural design of flexible anisotropic piezoresistive composite for multiple-loading recognition. Composites Part B: Engineering, 2020, 182, 107631.	12.0	8
39	Enhanced cryogenic mechanical properties of carbon fiber reinforced epoxy composites by introducing graphene oxide. Composites Communications, 2020, 22, 100480.	6.3	36
40	High-Performance Fiber-Film Hybrid-Structured Wearable Strain Sensor from a Highly Robust and Conductive Carbonized Bamboo Aerogel. ACS Applied Bio Materials, 2020, 3, 8748-8756.	4.6	12
41	Bioinspired Color-Changeable Organogel Tactile Sensor with Excellent Overall Performance. ACS Applied Materials & Interfaces, 2020, 12, 49866-49875.	8.0	31
42	Graphene/Graphitized Polydopamine/Carbon Nanotube All-Carbon Ternary Composite Films with Improved Mechanical Properties and Through-Plane Thermal Conductivity. ACS Applied Materials & Interfaces, 2020, 12, 57391-57400.	8.0	31
43	Spider-Inspired Ultrasensitive Flexible Vibration Sensor for Multifunctional Sensing. ACS Applied Materials & Interfaces, 2020, 12, 30871-30881.	8.0	39
44	Highly stretchable CNT Fiber/PAAm hydrogel composite simultaneously serving as strain sensor and supercapacitor. Composites Part B: Engineering, 2020, 198, 108246.	12.0	47
45	Dual-Mode Carbon Aerogel/Iron Rubber Sensor. ACS Applied Materials & Interfaces, 2020, 12, 8674-8680.	8.0	14
46	Effect of graphene oxide size on interlaminar shear strength of glass fabric/epoxy composites. Materials Research Express, 2019, 6, 105306.	1.6	4
47	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
48	Effectively enhanced interlaminar shear strength of carbon fiber fabric/epoxy composites by oxidized short carbon fibers at an extremely low content. Composites Science and Technology, 2019, 183, 107803.	7.8	30
49	Introduction to short fibre-reinforced polymer composites. , 2019, , 1-7.		6
50	Major factors affecting the performance of short fibre-reinforced polymers. , 2019, , 33-66.		0
51	Strength of short fibre-reinforced polymers. , 2019, , 91-137.		3
52	Extrusion compounding and injection moulding. , 2019, , 9-32.		0
53	Stress transfer in short fibre-reinforced polymers. , 2019, , 67-89.		1
54	Elastic modulus of short fibre-reinforced polymers. , 2019, , 139-188.		0

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55	Flexural modulus of short fibre-reinforced polymers. , 2019, , 189-211.		0
56	Thermal conductivity and expansion of short fibre-reinforced polymer composites. , 2019, , 213-240.		0
57	A biomimetic multifunctional electronic hair sensor. Journal of Materials Chemistry A, 2019, 7, 1889-1896.	10.3	47
58	Improved mechanical and antibacterial properties of silver-graphene oxide hybrid/polylactid acid composites by in-situ polymerization. Industrial Crops and Products, 2019, 130, 571-579.	5.2	31
59	Enhancement of thermal energy transport across the graphene/h-BN heterostructure interface. Nanoscale, 2019, 11, 4067-4072.	5.6	38
60	Epoxy nanocomposites significantly toughened by both poly(sulfone) and graphene oxide. Composites Communications, 2019, 14, 55-60.	6.3	41
61	Dramatically enhanced tensile strength and impact toughness of polydicyclopentadiene composites by covalent bond formation between phenyl-functionalized silica and dicyclopentadiene. Composites Part B: Engineering, 2019, 170, 31-40.	12.0	19
62	Some basic aspects of polymer nanocomposites: A critical review. Nano Materials Science, 2019, 1, 2-30.	8.8	499
63	Carbonized polydopamine nanoparticle reinforced graphene films with superior thermal conductivity. Carbon, 2019, 149, 173-180.	10.3	55
64	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
65	Investigations on structure-dependent microwave absorption performance of nano-Fe ₃ O ₄ coated carbon-based absorbers. Carbon, 2019, 144, 216-227.	10.3	71
66	Synergistic effects of short glass fiber/short carbon fiber hybrids on the mechanical properties of polyethersulfone composites. Polymer Composites, 2019, 40, E1725.	4.6	15
67	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
68	Bio-inspired highly flexible dual-mode electronic cilia. Journal of Materials Chemistry B, 2018, 6, 896-902.	5.8	32
69	Largely enhanced electrical conductivity of layer-structured silver nanowire/polyimide composite films by polyaniline. Composites Science and Technology, 2018, 156, 144-150.	7.8	20
70	Bioinspired Flexible and Highly Responsive Dual-Mode Strain/Magnetism Composite Sensor. ACS Applied Materials & Interfaces, 2018, 10, 11197-11203.	8.0	31
71	Molecular dynamics simulations of thermal expansion properties of single layer graphene sheets. Molecular Simulation, 2018, 44, 34-39.	2.0	6
72	Laser-Printed In-Plane Micro-Supercapacitors: From Symmetric to Asymmetric Structure. ACS Applied Materials & Interfaces, 2018, 10, 723-732.	8.0	36

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73	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
74	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
75	On the Evaluation of the Sensitivity Coefficient of Strain Sensors. Advanced Electronic Materials, 2018, 4, 1800353.	5.1	31
76	Investigation on the interfacial mechanical properties of hybrid graphene-carbon nanotube/polymer nanocomposites. Carbon, 2017, 115, 694-700.	10.3	68
77	Generation mechanism of nonlinear ultrasonic Lamb waves in thin plates with randomly distributed micro-cracks. Ultrasonics, 2017, 79, 60-67.	3.9	60
78	A wearable strain sensor based on a carbonized nano-sponge/silicone composite for human motion detection. Nanoscale, 2017, 9, 6680-6685.	5.6	151
79	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
80	Flexible wire-shaped strain sensor from cotton thread for human health and motion detection. Scientific Reports, 2017, 7, 45013.	3.3	103
81	Enhanced Microwave Absorption Performance of Coated Carbon Nanotubes by Optimizing the Fe_3O_4 Nanocoating Structure. ACS Applied Materials & Interfaces, 2017, 9, 2973-2983.	8.0	441
82	Investigation of thermal energy transport interface of hybrid graphene-carbon nanotube/polyethylene nanocomposites. Scientific Reports, 2017, 7, 14700.	3.3	18
83	High performance surface-modified TiO_2 /silicone nanocomposite. Scientific Reports, 2017, 7, 5951.	3.3	13
84	A Novel Type of Battery-Supercapacitor Hybrid Device with Highly Switchable Dual Performances Based on a Carbon Skeleton/ Mg_2Ni Free-Standing Hydrogen Storage Electrode. ACS Applied Materials & Interfaces, 2017, 9, 44828-44838.	8.0	19
85	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
86	Electrical anisotropy and multidimensional pressure sensor of aligned Fe_3O_4 @silver nanowire/polyaniline composite films under an extremely low magnetic field. RSC Advances, 2017, 7, 4260-4268.	3.6	22
87	Simulations on Monitoring and Evaluation of Plasticity-Driven Material Damage Based on Second Harmonic of S0 Mode Lamb Waves in Metallic Plates. Materials, 2017, 10, 827.	2.9	15
88	A paper-based touch sensor with an embedded micro-probe array fabricated by double-sided laser printing. Nanoscale, 2017, 9, 9598-9605.	5.6	18
89	Significantly enhanced electrical conductivity of silver nanowire/polyurethane composites via graphene oxide as novel dispersant. Composites Science and Technology, 2016, 132, 57-67.	7.8	23
90	Layer-structured silver nanowire/polyaniline composite film as a high performance X-band EMI shielding material. Journal of Materials Chemistry C, 2016, 4, 4193-4203.	5.5	138

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91	Conductive PVDF-HFP/CNT composites for strain sensing. Functional Materials Letters, 2016, 09, 1650024.	1.2	6
92	Rapid Laser Printing of Paper-Based Multilayer Circuits. ACS Nano, 2016, 10, 8895-8903.	14.6	38
93	Greatly decreased redshift and largely enhanced refractive index of mono-dispersed ZnO-QD/silicone nanocomposites. Journal of Materials Chemistry C, 2016, 4, 8663-8669.	5.5	15
94	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
95	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
96	Multifunctional Wearable Device Based on Flexible and Conductive Carbon Sponge/Polydimethylsiloxane Composite. ACS Applied Materials & Interfaces, 2016, 8, 33189-33196.	8.0	179
97	The interfacial mechanical properties of functionalized graphene-polymer nanocomposites. RSC Advances, 2016, 6, 66658-66664.	3.6	50
98	Activated carbon from nitrogen rich watermelon rind for high-performance supercapacitors. RSC Advances, 2016, 6, 59333-59342.	3.6	79
99	Highly Flexible Strain Sensor from Tissue Paper for Wearable Electronics. ACS Sustainable Chemistry and Engineering, 2016, 4, 4288-4295.	6.7	204
100	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
101	Wearable Electronics of Silver-Nanowire/Poly(dimethylsiloxane) Nanocomposite for Smart Clothing. Scientific Reports, 2015, 5, 13971.	3.3	112
102	Enhancement in Mode II Interlaminar Fracture Toughness at Cryogenic Temperature of Glass Fiber/Epoxy Composites through Matrix Modification by Carbon Nanotubes and n-Butyl Glycidyl Ether. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	0
103	Mechanical Behavior of Nanostructured Materials. Journal of Nanomaterials, 2015, 2015, 1-2.	2.7	2
104	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
105	Enhanced mechanical properties of short carbon fiber reinforced polyethersulfone composites by graphene oxide coating. Polymer, 2015, 59, 155-165.	3.8	163
106	Improved cryogenic interlaminar shear strength of glass fabric/epoxy composites by graphene oxide. Composites Part B: Engineering, 2015, 73, 126-131.	12.0	78
107	Electrical Switch for Smart pH Self-Adjusting System Based on Silver Nanowire/Polyaniline Nanocomposite Film. ACS Nano, 2015, 9, 3234-3242.	14.6	41
108	Preparation of aligned Fe ₃ O ₄ @Ag-nanowire/poly(vinyl alcohol) nanocomposite films via a low magnetic field. Composites Part A: Applied Science and Manufacturing, 2015, 77, 87-95.	7.6	21

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109	Formulating CdSe quantum dots for white light-emitting diodes with high color rendering index. <i>Journal of Alloys and Compounds</i> , 2015, 647, 837-843.	5.5	24
110	Ternary Ag/Epoxy Adhesive with Excellent Overall Performance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8041-8052.	8.0	75
111	Facile preparation of highly conductive, flexible, and strong carbon nanotube/polyaniline composite films. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1575-1585.	2.3	16
112	A high ductility RTM epoxy resin with relatively high modulus and Tg. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	6
113	Cryogenic-temperature-induced transition from shear to dilatational failure in metallic glasses. <i>Acta Materialia</i> , 2014, 77, 248-257.	7.9	50
114	Wavelike fracture pattern in a metallic glass: a Kelvin-Helmholtz flow instability. <i>Philosophical Magazine Letters</i> , 2014, 94, 669-677.	1.2	2
115	Tribological performance of carbon nanotube-graphene oxide hybrid/epoxy composites. <i>Composites Part B: Engineering</i> , 2014, 57, 120-125.	12.0	156
116	Novel vertical spinning preparation of free-standing carbon nanotube-polyaniline composite films with high electrical conductivity. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2758.	5.5	11
117	Paper-based silver-nanowire electronic circuits with outstanding electrical conductivity and extreme bending stability. <i>Nanoscale</i> , 2014, 6, 8495.	5.6	90
118	Improvement of the piezoelectric properties of PVDF-HFP using AgNWs. <i>RSC Advances</i> , 2014, 4, 35896-35903.	3.6	50
119	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.	2.6	37
120	Synthesis and physical properties of electromagnetic polypyrrole composites via addition of magnetic crystals. <i>CrystEngComm</i> , 2014, 16, 2097.	2.6	32
121	Enhanced cryogenic interfacial normal bond property between carbon fibers and epoxy matrix by carbon nanotubes. <i>Composites Science and Technology</i> , 2014, 104, 59-65.	7.8	48
122	Synergistic effect of carbon nanotubes and n-butyl glycidyl ether on matrix modification for improvement of tensile performance of glass fiber/epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 62, 39-44.	7.6	11
123	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.	10.7	48
124	Mechanical properties of cryogenic epoxy adhesives: Effects of mixed curing agent content. <i>International Journal of Adhesion and Adhesives</i> , 2013, 41, 113-118.	2.9	29
125	Controllable fabrication and magnetic-field assisted alignment of Fe ₃ O ₄ -coated Ag nanowires via a facile co-precipitation method. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4879.	5.5	49
126	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

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127	Significantly modified tribological performance of epoxy nanocomposites at very low graphene oxide content. <i>Polymer</i> , 2013, 54, 1234-1242.	3.8	214
128	Cryogenic mechanical properties of woven glass/epoxy composites modified with multi-walled carbon nanotube and n-butyl glycidyl ether under tensile static and cyclic loadings. <i>Cryogenics</i> , 2013, 58, 33-37.	1.7	20
129	Synthesis and simultaneous enhancements in electrical and magnetic properties of oriented Fe_2O_3 -nanoneedle/PANI nanocomposite films by cold stretching. <i>Polymer</i> , 2013, 54, 4578-4587.	3.8	4
130	Cryogenic Properties of Polymer Materials. , 2013, , 9-39.		2
131	Aspects of fracture toughness modelling of particle filled polymer composites. <i>Composites Part B: Engineering</i> , 2013, 45, 1569-1574.	12.0	28
132	Tartrate-Induced Self-Assembly of Highly Positively Charged Three-Dimensional Spiral $\text{Cd}(\text{OH})_2$ Flowers with Largely Exposed (001) Plane. <i>Crystal Growth and Design</i> , 2013, 13, 1091-1098.	3.0	11
133	Preparation and characterization of multifunctional free-standing Ni/epoxy composite films. <i>EXPRESS Polymer Letters</i> , 2012, 6, 903-913.	2.1	5
134	Lanthanum-doped ZnO quantum dots with greatly enhanced fluorescent quantum yield. <i>Journal of Materials Chemistry</i> , 2012, 22, 8221.	6.7	120
135	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
136	Preparation and characterization of novel polypyrrole-nanotube/polyaniline free-standing composite films via facile solvent-evaporation method. <i>Composites Science and Technology</i> , 2012, 72, 1812-1817.	7.8	17
137	Controllable synthesis of novel sandwiched polyaniline/ZnO/polyaniline free-standing nanocomposite films. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2794-2801.	2.3	13
138	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.	12.0	75
139	Electrical resistance change and crack behavior in carbon nanotube/polymer composites under tensile loading. <i>Composites Part B: Engineering</i> , 2012, 43, 39-43.	12.0	59
140	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
141	Facile surfactant-free synthesis of monodisperse Ni particles via a simple solvothermal method and their superior catalytic effect on thermal decomposition of ammonium perchlorate. <i>New Journal of Chemistry</i> , 2011, 35, 1403.	2.8	19
142	Synthesis of silane surface modified ZnO quantum dots with ultrastable, strong and tunable luminescence. <i>Chemical Communications</i> , 2011, 47, 11921.	4.1	99
143	Charing polymer wrapped carbon nanotubes for simultaneously improving the flame retardancy and mechanical properties of epoxy resin. <i>Polymer</i> , 2011, 52, 4891-4898.	3.8	71
144	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.	3.8	76

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145	Fabrication and characterization of transparent ZnO/SiO ₂ /silicone nanocomposites with tunable emission colors. Composites Part B: Engineering, 2011, 42, 2105-2110.	12.0	26
146	Preparation and characterization of transparent Al doped ZnO/epoxy composite as thermal-insulating coating. Composites Part B: Engineering, 2011, 42, 2176-2180.	12.0	28
147	Tunable photo-luminescent properties of novel transparent CdSe-QD/silicone nanocomposites. Composites Science and Technology, 2011, 71, 1652-1658.	7.8	26
148	Correlation and size dependence of the lattice strain, binding energy, elastic modulus, and thermal stability for Au and Ag nanostructures. Journal of Applied Physics, 2011, 109, 074319.	2.5	22
149	Superiority of nanosized over micro-sized hyperbranched polymer second phase in modifying brittle epoxy resin. Journal of Applied Polymer Science, 2011, 119, 863-870.	2.6	19
150	Electrical and Crack Responses of CNT-Based Polymer Composites Under Tension. , 2011, , .		0
151	One-step synthesis, electromagnetic and microwave absorbing properties of γ -FeOOH/polypyrrole nanocomposites. Composites Science and Technology, 2010, 70, 909-915.	7.8	46
152	Facile synthesis of antimony-doped tin oxide nanoparticles by a polymer-pyrolysis method. Materials Research Bulletin, 2010, 45, 677-681.	5.2	51
153	Preparation and electrical properties of Ga-doped ZnO nanoparticles by a polymer pyrolysis method. Materials Letters, 2010, 64, 1735-1737.	2.6	28
154	Facile hydrothermal synthesis of 3D hierarchical Bi ₂ SiO ₅ nanoflowers and their luminescent properties. Solid State Sciences, 2010, 12, 637-642.	3.2	49
155	Large Enhancement in Conductivity of Polyaniline Films by Cold Stretching. Macromolecular Chemistry and Physics, 2010, 211, 1109-1116.	2.2	21
156	Study on the surface performance of carbon fibres irradiated by β -ray under different irradiation dose. Applied Surface Science, 2010, 256, 2000-2004.	6.1	68
157	Novel ultraviolet-opaque, visible-transparent and light-emitting ZnO-QD/silicone composites with tunable luminescence colors. Polymer, 2010, 51, 2755-2762.	3.8	47
158	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
159	Facile one-step synthesis of electromagnetic functionalized polypyrrole/Fe ₃ O ₄ nanotubes via a self-assembly process. Journal of Polymer Science Part A, 2010, 48, 320-326.	2.3	19
160	Controllable synthesis and luminescent properties of novel erythrocyte-like CaMoO ₄ hierarchical nanostructures via a simple surfactant-free hydrothermal route. Dalton Transactions, 2010, 39, 2226-2231.	3.3	62
161	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
162	Extrusion compounding and injection moulding. , 2009, , 6-28.		3

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163	Elastic modulus of short fibre reinforced polymers. , 2009, , 119-163.		1
164	Flexural modulus of short fibre reinforced polymers. , 2009, , 164-183.		0
165	Introduction to short fibre reinforced polymer composites. , 2009, , 1-5.		14
166	Thermal conductivity and expansion of short fibre reinforced polymer composites. , 2009, , 184-205.		0
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