Yudong Huang

List of Publications by Year in Descending Order

187 papers	4,709 citations	35 h-index	59 g-index
197 ext. papers	5,806 ext. citations	6.3 avg, IF	6.11 L-index

#	Paper	IF	Citations
187	Multifactorial engineering of biomimetic membranes for batteries with multiple high-performance parameters.. *Nature Communications*, **2022**, 13, 278	17.4	4
186	Degradable and Recyclable Unsaturated Polyester Resin Based on the Selective Cleavage of a Hindered C□O Bond. *ACS Applied Polymer Materials*, **2022**, 4, 999-1009	4.3	0
185	Nonadiabatic Dynamics Algorithms with Only Potential Energies and Gradients: Curvature-Driven Coherent Switching with Decay of Mixing and Curvature-Driven Trajectory Surface Hopping.. *Journal of Chemical Theory and Computation*, **2022**,	6.4	4
184	Recent advances in UV/thermal curing silicone polymers. *Chemical Engineering Journal*, **2022**, 435, 134843	14.7	2
183	High-epoxy value bio-based epoxy emulsion reinforced interfacial properties of carbon fiber/epoxy composites. *Journal of Applied Polymer Science*, **2022**, 139, 51855	2.9	0
182	Functional Biochar Synergistic Solid/Liquid-Phase CO2 Capture: A Review. *Energy & Fuels*, **2022**, 36, 2945-2970	4.1	4
181	Interfacial self-healing performance of carbon fiber/epoxy based on postsynthetic modification of metal-organic frameworks. *Composites Science and Technology*, **2022**, 109564	8.6	0
180	High Selectivity and Reusability of Biomass-Based Adsorbent for Chloramphenicol Removal. *Nanomaterials*, **2021**, 11,	5.4	6
179	Zwitterionic Polysulfone Copolymer/Polysulfone Blended Ultrafiltration Membranes with Excellent Thermostability and Antifouling Properties.. *Membranes*, **2021**, 11,	3.8	2
178	Poly(p-phenylene benzobisoxazole) Fiber/Epoxy Composites Reinforced with Carbon Nanotubes and Graphene Oxide for Enhanced Interfacial Adhesion and Mechanical Strength. *ACS Applied Nano Materials*, **2021**, 4, 12158-12169	5.6	1
177	Interface Chelation Induced by Pyridine-Based Polymer for Efficient and Durable Air-Processed Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2021**, 61, e202112673	16.4	3
176	A simple way to synthesize a nano-scale stable epoxy emulsion for sizing CF/epoxy composites. *New Journal of Chemistry*, **2021**, 45, 22860-22868	3.6	1
175	Increased room temperature ferromagnetism in Co-doped tetrahedral perovskite niobates. *Royal Society Open Science*, **2021**, 8, 210121	3.3	
174	Synthesis of aramid nanoscale fiber-based nanocomposite with transparency, flexibility, and selective adsorption capability. *Polymers for Advanced Technologies*, **2021**, 32, 2476-2486	3.2	3
173	Antibacterial, hemostasis, adhesive, self-healing polysaccharides-based composite hydrogel wound dressing for the prevention and treatment of postoperative adhesion. *Materials Science and Engineering C*, **2021**, 123, 111978	8.3	9
172	Topotactic Growth of Free-Standing Two-Dimensional Perovskite Niobates with Low Symmetry Phase. *Nano Letters*, **2021**, 21, 4700-4707	11.5	3
171	Antimicrobial Surgical Sutures: Fabrication and Application of Infection Prevention and Wound Healing. *Fibers and Polymers*, **2021**, 22, 2355-2367	2	2

170	Self-healing and stretchable PDMS-based bifunctional sensor enabled by synergistic dynamic interactions. *Chemical Engineering Journal*, **2021**, 412, 128734	14.7	11
169	Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. *ACS Sensors*, **2021**, 6, 2938-2951	9.2	18
168	Preparation of the flexible soybean oil-based material via [2 + 2] cycloaddition photo-polymerization. *Journal of Applied Polymer Science*, **2021**, 138, 49925	2.9	3
167	Injectable, self-healing, antibacterial, and hemostatic N,O-carboxymethyl chitosan/oxidized chondroitin sulfate composite hydrogel for wound dressing. *Materials Science and Engineering C*, **2021**, 118, 111324	8.3	42
166	Effects of different "rigid-flexible" structures of carbon fibers surface on the interfacial microstructure and mechanical properties of carbon fiber/epoxy resin composites. *Journal of Colloid and Interface Science*, **2021**, 583, 13-23	9.3	33
165	A novel antifouling and thermally stable polysulfone ultrafiltration membranes with sulfobetaine polyimide as porogen. *Polymers for Advanced Technologies*, **2021**, 32, 945-954	3.2	1
164	Facile immobilization of graphene nanosheets onto PBO fibers via MOF-mediated coagulation strategy: Multifunctional interface with self-healing and ultraviolet-resistance performance. *Journal of Colloid and Interface Science*, **2021**, 587, 661-671	9.3	16
163	Stretchable Electronics Based on PDMS Substrates. *Advanced Materials*, **2021**, 33, e2003155	24	98
162	Modification of silicone resins by Si□N cross-dehydrocoupling with perfect thermal stability and mechanical performance. *New Journal of Chemistry*, **2021**, 45, 15892-15900	3.6	0
161	A solution to break the salt barrier for high-rate sustainable solar desalination. *Energy and Environmental Science*, **2021**, 14, 2451-2459	35.4	17
160	Surface Permeability of Membrane and Catalytic Performance Based on Redox-Responsive of Hybrid Hollow Polymeric Microcapsules. *Molecules*, **2021**, 26,	4.8	4
159	3D Porous Sponge-Inspired Electrode for High-Energy and High-Power Zinc-Ion Batteries. *ACS Applied Energy Materials*, **2021**, 4, 1833-1839	6.1	8
158	Robust, Self-Healable Siloxane Elastomers Constructed by Multiple Dynamic Bonds for Stretchable Electronics and Microsystems. *Industrial & Engineering Chemistry Research*, **2021**, 60, 2154-2162	3.9	5
157	Biomimetic nanoporous aerogels from branched aramid nanofibers combining high heat insulation and compressive strength. *SmartMat*, **2021**, 2, 76-87	22.8	9
156	Robust and flexible transparent protective film fabricated with an ambient-curable hybrid resin **2021**, 18, 1065-1073		
155	Anti-freezing, moisturizing, resilient and conductive organohydrogel for sensitive pressure sensors. *Journal of Colloid and Interface Science*, **2021**, 594, 584-592	9.3	21
154	Waterborne epoxy sizing agent with hyperbranched structure to improve the interface performance of carbon fiber. *Polymer Composites*, **2021**, 42, 1741-1751	3	5
153	Bacterial cellulose: an encouraging eco-friendly nano-candidate for energy storage and energy conversion. *Journal of Materials Chemistry A*, **2020**, 8, 5812-5842	13	60

152	Significantly Strengthening Epoxy by Incorporating Carbon Nanotubes/Graphitic Carbon Nitride Hybrid Nanofillers. *Macromolecular Materials and Engineering*, **2020**, 305, 2000231	3.9	8
151	Nondestructive rapid and quantitative analysis for the curing process of silicone resin by near-infrared spectra. *Journal of Applied Polymer Science*, **2020**, 137, 48982	2.9	1
150	Giant Zeeman-type spin splitting of free electron/hole states on quasi-2D perovskite niobates: a theoretical prediction. *Scientific Reports*, **2020**, 10, 3698	4.9	1
149	Improved atomic oxygen erosion resistance of the carbon fibre–epoxy interface with polyhedral oligomeric silsesquioxane. *High Performance Polymers*, **2020**, 32, 681-692	1.6	1
148	Rechargeable Aqueous Zinc–Manganese Dioxide/Graphene Batteries with High Rate Capability and Large Capacity. *ACS Applied Energy Materials*, **2020**, 3, 1742-1748	6.1	30
147	Preparation of ZnO quantum dots@SiO2/PVA for multifunctional coating on PET. *New Journal of Chemistry*, **2020**, 44, 2122-2128	3.6	8
146	Surface modification of aramid fibers by amino functionalized silane grafting to improve interfacial property of aramid fibers reinforced composite. *Polymer Composites*, **2020**, 41, 2046-2053	3	20
145	Fast room-temperature self-healing siloxane elastomer for healable stretchable electronics. *Journal of Colloid and Interface Science*, **2020**, 573, 105-114	9.3	22
144	Fabrication of uvioresistant poly(p-phenylene benzobisoxazole) fibers based on hydrogen bond. *Journal of Applied Polymer Science*, **2020**, 137, 48432	2.9	5
143	Imine or Secondary Amine-Derived Degradable Polyaminal: Low-Cost Matrix Resin with High Performance. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 1943-1953	8.3	15
142	High mechanical and tribological performance of polyimide nanocomposite reinforced by fluorinated graphene oxide. *Polymer Composites*, **2020**, 41, 1624-1635	3	13
141	Solution-Based Synthesis of Layered Two-Dimensional Oxides as Broadband Emitters. *ACS Nano*, **2020**, 14, 15544-15551	16.7	2
140	Solar heating assisted rapid cleanup of viscous crude oil spills using reduced graphene oxide-coated sponges. *Science China Technological Sciences*, **2020**, 63, 1487-1496	3.5	7
139	Synthesis of a Three-Dimensional Interconnected Oxygen-, Boron-, Nitrogen-, and Phosphorus Tetratomic-Doped Porous Carbon Network as Electrode Material for the Construction of a Superior Flexible Supercapacitor. *ACS Applied Materials & Interfaces*, **2020**, 12, 46170-46180	9.5	27
138	Biomorphic structural batteries for robotics. *Science Robotics*, **2020**, 5,	18.6	34
137	Facile Interface Design Strategy for Improving the Uvioresistant and Self-Healing Properties of Poly(-phenylene benzobisoxazole) Fibers. *ACS Applied Materials & Interfaces*, **2019**, 11, 39292-39303	9.5	22
136	Functionalized graphene-reinforced polysiloxane nanocomposite with improved mechanical performance and efficient healing properties. *Journal of Applied Polymer Science*, **2019**, 136, 47725	2.9	8
135	Self-Healing Polysiloxane Elastomer Based on Integration of Covalent and Reversible Networks. *Industrial & Engineering Chemistry Research*, **2019**, 58, 21504-21512	3.9	22

134	The construction of thiol-functionalized DNAsomes with small molecules response and protein release. *Materials Science and Engineering C*, **2019**, 99, 1153-1163	8.3	7
133	Improving the Mechanical and Surface Properties of Aramid Fiber by Grafting with 1,4-Dichlorobutane under Supercritical Carbon Dioxide. *Materials*, **2019**, 12,	3.5	4
132	CNT coatings grown on the outer and inner surfaces of magnetic hollow carbon fibers with enhanced electromagnetic interference shielding performance. *Journal of Materials Chemistry C*, **2019**, 7, 14375-14383	7.1	12
131	Autonomic Behaviors in Lipase-Active Oil Droplets. *Angewandte Chemie - International Edition*, **2019**, 58, 1067-1071	16.4	30
130	Biomimetic Solid-State Zn Electrolyte for Corrugated Structural Batteries. *ACS Nano*, **2019**, 13, 1107-1115	16.7	48
129	Facile fabrication and performance comparison of aramid-nanofiber membrane formed by water or ethanol. *Polymer Composites*, **2019**, 40, 2534-2538	3	4
128	Designing and constructing core-shell NiCoS@NiS on Ni foam by facile one-step strategy as advanced battery-type electrodes for supercapattery. *Journal of Colloid and Interface Science*, **2019**, 536, 456-462	9.3	57
127	Biodegradable N, O-carboxymethyl chitosan/oxidized regenerated cellulose composite gauze as a barrier for preventing postoperative adhesion. *Carbohydrate Polymers*, **2019**, 207, 180-190	10.3	44
126	Self-healable polysiloxane/graphene nanocomposite and its application in pressure sensor. *Journal of Materials Science*, **2019**, 54, 5472-5483	4.3	41
125	A facile approach for the reduction of 4-nitrophenol and degradation of congo red using gold nanoparticles or laccase decorated hybrid inorganic nanoparticles/polymer-biomacromolecules vesicles. *Materials Science and Engineering C*, **2019**, 94, 524-533	8.3	39
124	Diffusion characteristics of asphalt rejuvenators based on molecular dynamics simulation. *International Journal of Pavement Engineering*, **2019**, 20, 615-627	2.6	31
123	Comparative Evaluation of Biological Performance, Biosecurity, and Availability of Cellulose-Based Absorbable Hemostats. *Clinical and Applied Thrombosis/Hemostasis*, **2018**, 24, 566-574	3.3	14
122	Acid-sensitive polymeric vector targeting to hepatocarcinoma cells via glycyrrhetinic acid receptor-mediated endocytosis. *Materials Science and Engineering C*, **2018**, 87, 32-40	8.3	22
121	Novel synthesis of high-molecular-weight prepolymer of poly(p-phenylene benzoxazole) in ionic liquids. *Polymers for Advanced Technologies*, **2018**, 29, 1727-1732	3.2	1
120	Incorporation of bacteriophages in polycaprolactone/collagen fibers for antibacterial hemostatic dual-function. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 2588-2595	3.5	16
119	A facile method to prepare nanoscale polyacrylonitrile particles grafted aramid fibers for superior interfacial and mechanical properties of epoxy composites. *Polymer Composites*, **2018**, 39, E2436-E2444	3	10
118	Tailored Natural Polysaccharides Beads as Green Sorbents for Efficient Lysozyme Adsorption. *Journal of Polymers and the Environment*, **2018**, 26, 2803-2812	4.5	4
117	Carbon nanotube-modified oxidized regenerated cellulose gauzes for hemostatic applications. *Carbohydrate Polymers*, **2018**, 183, 246-253	10.3	26

116	Adsorption of lysozyme by alginate/graphene oxide composite beads with enhanced stability and mechanical property. *Materials Science and Engineering C*, **2018**, 89, 25-32	8.3	94
115	Studies on surface energy of asphalt and aggregate at different scales and bonding property of asphalt□aggregate system. *Road Materials and Pavement Design*, **2018**, 19, 1102-1125	2.6	25
114	Multiscale carbon fiber-graphene oxide reinforcements for silicone resin composites with simultaneously enhanced interfacial strength and antihydrothermal aging behaviors. *Polymer Composites*, **2018**, 39, 3509-3518	3	8
113	Investigation of the mechanical properties of the modified poly(p-phenylene benzobisoxazole) fibers based on 2-(4-aminophenyl)-1H-benzimidazol-5-amine. *High Performance Polymers*, **2018**, 30, 511-518	1.6	3
112	Preparation and characterization of nanocomposites of poly(p-phenylene benzobisoxazole) with aminofunctionalized graphene. *Polymer Composites*, **2018**, 39, 2969-2976	3	3
111	In vitro single-cell dissection revealing the interior structure of cable bacteria. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8517-8522	11.5	30
110	Fabrication, characterization and biocompatibility of collagen/oxidized regenerated cellulose-Ca composite scaffold for carrying Schwann cells. *International Journal of Biological Macromolecules*, **2018**, 119, 1195-1203	7.9	2
109	Fabrication of a graphene oxide/nanoscale aramid fiber composite membrane with improved hydrophilicity and mechanical strength via a fast-drying method using absolute ethanol as proton donor. *Journal of Materials Science*, **2018**, 53, 16383-16392	4.3	2
108	Quantum confined two-dimensional electron/hole gas switching by facet orientation of perovskite oxides.. *RSC Advances*, **2018**, 8, 20477-20482	3.7	0
107	Improved interfacial properties of carbon fiber-reinforced epoxy composites with Fe2O3/graphene nanosheets using a magnetic field. *Journal of Adhesion Science and Technology*, **2018**, 32, 1018-1026	2	3
106	Effect of Dimensions and Agglomerations of Carbon Nanotubes on Synchronous Enhancement of Mechanical and Damping Properties of Epoxy Nanocomposites. *Nanomaterials*, **2018**, 8,	5.4	16
105	Construction of Anti-Ultraviolet "Shielding Clothes" on Poly(p-phenylene benzobisoxazole) Fibers: Metal Organic Framework-Mediated Absorption Strategy. *ACS Applied Materials & Interfaces*, **2018**, 10, 43262-43274	9.5	34
104	Covalent grafting of triazine derivatives onto graphene oxide for preparation of epoxy composites with improved interfacial and mechanical properties. *Journal of Materials Science*, **2018**, 53, 16318-16330	4.3	26
103	Mechanical properties of carbon fiber composites modified with graphene oxide in the interphase. *Polymer Composites*, **2017**, 38, 2425-2432	3	23
102	Building Nanoporous Metal-Organic Frameworks "Armor" on Fibers for High-Performance Composite Materials. *ACS Applied Materials & Interfaces*, **2017**, 9, 5590-5599	9.5	116
101	Effect of Polymerizable Photoinitiators on the UV-polymerization behaviors of photosensitive polysiloxane. *Journal of Polymer Science Part A*, **2017**, 55, 1696-1705	2.5	14
100	Nondestructive Functionalization of Graphene by Surface-Initiated Atom Transfer Radical Polymerization: An Ideal Nanofiller for Poly(p-phenylene benzobisoxazole) Fibers. *Macromolecules*, **2017**, 50, 1422-1429	5.5	54
99	Surface ammonification of the mutual-irradiated aramid fibers in 1,4-dichlorobutane for improving interfacial properties with epoxy resin. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	6

98	Reinforced collagen with oxidized microcrystalline cellulose shows improved hemostatic effects. *Carbohydrate Polymers*, **2017**, 165, 30-38	10.3	32
97	Coordinated Membrane Fusion of Proteinosomes by Contact-Induced Hydrogel Self-Healing. *Small*, **2017**, 13, 1700467	11	27
96	Biodegradable collagen sponge reinforced with chitosan/calcium pyrophosphate nanoflowers for rapid hemostasis. *Carbohydrate Polymers*, **2017**, 170, 271-280	10.3	67
95	Investigation of reactivity and biocompatibility poly-p-phenylene benzobisoxazole fiber grafted hyperbranched polysiloxane. *Composites Part B: Engineering*, **2017**, 121, 1-8	10	20
94	Preparation and Characterization of 2,2,6,6-Tetramethylpiperidine-1-oxyl (TEMPO)-Oxidized Cellulose Nanocrystal/Alginate Biodegradable Composite Dressing for Hemostasis Applications. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3819-3828	8.3	106
93	Spontaneous and efficient adsorption of lysozyme from aqueous solutions by naturally polyanion gel beads. *Materials Science and Engineering C*, **2017**, 76, 130-138	8.3	16
92	Synergetic Photocatalytic Nanostructures Based on Au/TiO2/Reduced Graphene Oxide for Efficient Degradation of Organic Pollutants. *Particle and Particle Systems Characterization*, **2017**, 34, 1600323	3.1	14
91	Flexible, conductive, porous, fibrillar polymer–gold nanocomposites with enhanced electromagnetic interference shielding and mechanical properties. *Journal of Materials Chemistry C*, **2017**, 5, 1095-1105	7.1	83
90	Construction of polymer coated core–shell magnetic mesoporous silica nanoparticles with triple responsive drug delivery. *Polymer Chemistry*, **2017**, 8, 5852-5864	4.9	55
89	Single-step fabrication of multi-compartmentalized biphasic proteinosomes. *Chemical Communications*, **2017**, 53, 8537-8540	5.8	18
88	Role of alginate in antibacterial finishing of textiles. *International Journal of Biological Macromolecules*, **2017**, 94, 466-473	7.9	50
87	Interface improvement of carbon fiber/methylphenylsilicone resin composites by fiber surface coating of polyhedral oligomeric silsesquioxanes. *Journal of Adhesion Science and Technology*, **2017**, 31, 897-909	2	2
86	A High Performance Stretchable Asymmetric Fiber-Shaped Supercapacitor with a Core-Sheath Helical Structure. *Advanced Energy Materials*, **2017**, 7, 1600976	21.8	204
85	Preparation of pH-responsive mesoporous hydroxyapatite nanoparticles for intracellular controlled release of an anticancer drug. *Biomaterials Science*, **2016**, 4, 272-80	7.4	55
84	Improvements in interfacial and heat-resistant properties of carbon fiber/methylphenylsilicone resins composites by incorporating silica-coated multi-walled carbon nanotubes. *Journal of Adhesion Science and Technology*, **2016**, 30, 117-130	2	7
83	Preparation, functional characterization and hemostatic mechanism discussion for oxidized microcrystalline cellulose and its composites. *Fibers and Polymers*, **2016**, 17, 1277-1286	2	11
82	Flexible and Freestanding Supercapacitor Electrodes Based on Nitrogen-Doped Carbon Networks/Graphene/Bacterial Cellulose with Ultrahigh Areal Capacitance. *ACS Applied Materials & Interfaces*, **2016**, 8, 33608-33618	9.5	115
81	Processing, characterization and hemostatic mechanism of a ultraporous collagen/ORC biodegradable composite with excellent biological effectiveness. *Physical Chemistry Chemical Physics*, **2016**, 18, 29183-29191	3.6	14

80	Fabrication of light, flexible and multifunctional graphene nanoribbon fibers via a 3D solution printing method. *Nanotechnology*, **2016**, 27, 465702	3.4	10
79	Effective co-delivery of doxorubicin and curcumin using a glycyrrhetinic acid-modified chitosan-cystamine-poly(□caprolactone) copolymer micelle for combination cancer chemotherapy. *Colloids and Surfaces B: Biointerfaces*, **2016**, 145, 526-538	6	47
78	Effect of on-line ultrasonic treatment on the properties of carbon fiber reinforced plastic composites. *Research on Chemical Intermediates*, **2016**, 42, 6745-6755	2.8	1
77	A robust bilayer nanofilm fabricated on copper foam for oil□water separation with improved performances. *Journal of Materials Chemistry A*, **2016**, 4, 10294-10303	13	30
76	Interfacially reinforced carbon fiber/epoxy composites by grafting melamine onto carbon fibers in supercritical methanol. *RSC Advances*, **2016**, 6, 29654-29662	3.7	42
75	Controlled growth of silver nanoparticles on carbon fibers for reinforcement of both tensile and interfacial strength. *RSC Advances*, **2016**, 6, 14016-14026	3.7	30
74	A multifunctional polymeric nanofilm with robust chemical performances for special wettability. *Nanoscale*, **2016**, 8, 5153-61	7.7	15
73	Artificial extracellular matrix delivers TGFb1 regulating myofibroblast differentiation. *RSC Advances* , **2016**, 6, 21922-21928	3.7	7
72	Fluoride concentration controlled TiO2 nanotubes: the interplay of microstructure and photocatalytic performance. *RSC Advances*, **2016**, 6, 18333-18339	3.7	16
71	The polymeric nanofilm of triazinedithiolsilane capable of resisting corrosion and serving as an activated interface on a copper surface. *RSC Advances*, **2016**, 6, 6811-6822	3.7	3
70	Investigation of the potential application of biodiesel by-product as asphalt modifier. *Road Materials and Pavement Design*, **2016**, 17, 737-752	2.6	21
69	A transparent silica colloidal crystal/PDMS composite and its application for crack suppression of metallic coatings. *Journal of Colloid and Interface Science*, **2016**, 461, 136-143	9.3	14
68	Characterization of the Bonding Fracture Properties of the Asphalt-Aggregate System Using a Thin-Film Interface Test. *Journal of Testing and Evaluation*, **2016**, 44, 20140409	1	7
67	Effect of Testing Conditions on Laboratory Moisture Test for Asphalt Mixtures. *Journal of Testing and Evaluation*, **2016**, 44, 20150128	1	8
66	Synthesis of Anchored Bimetallic Catalysts via Epitaxy. *Catalysts*, **2016**, 6, 88	4	3
65	An Investigation of the High Performance of a Novel Type of Benzobisoxazole Fiber Based on 3,3-Diaminobenzidine. *Polymers*, **2016**, 8,	4.5	1
64	A Facile Route to Synthesize Nanographene Reinforced PBO Composites Fiber via in Situ Polymerization. *Polymers*, **2016**, 8,	4.5	8
63	Hierarchical Proteinosomes for Programmed Release of Multiple Components. *Angewandte Chemie - International Edition*, **2016**, 55, 7095-100	16.4	96

62	Self-Healable Polymer Nanocomposites Capable of Simultaneously Recovering Multiple Functionalities. *Advanced Functional Materials*, **2016**, 26, 3524-3531	15.6	59
61	The preparation of a recyclable catalyst of silver nanoparticles dispersed in a mesoporous silica nanofiber matrix. *RSC Advances*, **2016**, 6, 65613-65618	3.7	10
60	Hierarchical Proteinosomes for Programmed Release of Multiple Components. *Angewandte Chemie* , **2016**, 128, 7211-7216	3.6	30
59	Catalytic property of poly(ethylene terephthalate-co-isophthalate) synthesized with a novel Sb/Al bimetallic compound catalyst. *RSC Advances*, **2016**, 6, 67677-67684	3.7	6
58	Preparation and properties of PIPD nanofibers made by a swelling and ultrasonic stripping process. *RSC Advances*, **2016**, 6, 78073-78079	3.7	5
57	A new insight to the effect of calcium concentration on gelation process and physical properties of alginate films. *Journal of Materials Science*, **2016**, 51, 5791-5801	4.3	25
56	Acid treatment of silver flake coatings and its application in the flexible electrical circuits. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 4363-4371	2.1	4
55	Interfacial properties and thermo-oxidative stability of carbon fiber reinforced methylphenylsilicone resin composites modified with polyhedral oligomeric silsesquioxanes in the interphase. *RSC Advances*, **2016**, 6, 5032-5039	3.7	18
54	Mechanical and interfacial properties of bare basalt fiber. *Journal of Adhesion Science and Technology*, **2016**, 30, 2175-2187	2	10
53	Omnidirectionally Stretchable High-Performance Supercapacitor Based on Isotropic Buckled Carbon Nanotube Films. *ACS Nano*, **2016**, 10, 5204-11	16.7	187
52	Mechanical reinforcement of PBO fibers by dicarboxylic acid functionalized carbon nanotubes through in situ copolymerization. *RSC Advances*, **2016**, 6, 86245-86252	3.7	5
51	Antibacterial and hemostatic composite gauze of N,O-carboxymethyl chitosan/oxidized regenerated cellulose. *RSC Advances*, **2016**, 6, 94429-94436	3.7	32
50	Programmable Modulation of Membrane Permeability of Proteinosome upon Multiple Stimuli Responses. *ACS Macro Letters*, **2016**, 5, 961-966	6.6	15
49	A Novel Polymeric Precursor for Boron Nitride Ceramics: Synthesis, Characterization, and Ceramic Conversion. *International Journal of Applied Ceramic Technology*, **2016**, 13, 929-936	2	0
48	Functionalized graphene/C60 nanohybrid for targeting photothermally enhanced photodynamic therapy. *RSC Advances*, **2015**, 5, 654-664	3.7	34
47	Interfacial improvement of carbon fiber-reinforced methylphenylsilicone resin composites with sizing agent containing functionalized carbon nanotubes. *Journal of Adhesion Science and Technology*, **2015**, 29, 2295-2310	2	12
46	Serum-induced degradation of 3D DNA box origami observed with high-speed atomic force microscopy. *Nano Research*, **2015**, 8, 2170-2178	10	20
45	Intracellular pH-responsive mesoporous hydroxyapatite nanoparticles for targeted release of anticancer drug. *RSC Advances*, **2015**, 5, 30920-30928	3.7	22

44	Home-made epoxy emulsion sizing agent for treating carbon fibers: Thermal stability and mechanical properties. *Journal of Composite Materials*, **2015**, 49, 2877-2886	2.7	8
43	Irradiation of poly(L-lactide) biopolymer reinforced with functionalized MWCNTs. *RSC Advances*, **2015**, 5, 55544-55549	3.7	10
42	Strengthened Magnetoresistive Epoxy Nanocomposite Papers Derived from Synergistic Nanomagnetite-Carbon Nanofiber Nanohybrids. *Advanced Materials*, **2015**, 27, 6277-82	24	65
41	Preparation and properties of carbon nanotube/carbon fiber hybrid reinforcement by a two-step aryl diazonium reaction. *RSC Advances*, **2015**, 5, 44492-44498	3.7	24
40	Improving surface and mechanical properties of alginate films by using ethanol as a co-solvent during external gelation. *Carbohydrate Polymers*, **2015**, 123, 208-16	10.3	58
39	Thermally induced structural evolution of methylsilicone xerogel monoliths reinforced by titania nanoparticles. *Journal of Materials Science*, **2014**, 49, 5757-5765	4.3	1
38	Processing and characterization of ZnO nanowire-grown PBO fibers with simultaneously enhanced interfacial and atomic oxygen resistance properties. *RSC Advances*, **2014**, 4, 59869-59876	3.7	10
37	Enhanced oxidized regenerated cellulose with functionalized multiwalled carbon nanotubes for hemostasis applications. *RSC Advances*, **2014**, 4, 52372-52378	3.7	17
36	Interfacial properties and impact toughness of dendritic hexamethylenetetramine functionalized carbon fiber with varying chain lengths. *RSC Advances*, **2014**, 4, 39156-39166	3.7	36
35	Interfacially reinforced unsaturated polyester composites by chemically grafting different functional POSS onto carbon fibers. *Journal of Materials Chemistry A*, **2014**, 2, 18293-18303	13	80
34	Interfacial microstructure and properties of carbon fiber-reinforced unsaturated polyester composites modified with carbon nanotubes. *Journal of Adhesion Science and Technology*, **2014**, 28, 444-453	2	19
33	A high efficiency H2S gas sensor material: paper like Fe2O3/graphene nanosheets and structural alignment dependency of device efficiency. *Journal of Materials Chemistry A*, **2014**, 2, 6714-6717	13	79
32	Improved interfacial properties of carbon fiber/unsaturated polyester composites through coating polyhedral oligomeric silsesquioxane on carbon fiber surface. *Fibers and Polymers*, **2014**, 15, 566-573	2	19
31	Chemically grafting carbon nanotubes onto carbon fibers by poly(acryloyl chloride) for enhancing interfacial strength in carbon fiber/unsaturated polyester composites. *Fibers and Polymers*, **2014**, 15, 659-663	2	18
30	A Novel Method to Fabricate CNT/Mg–Zn Composites with High Strengthening Efficiency. *Acta Metallurgica Sinica (English Letters)*, **2014**, 27, 909-917	2.5	21
29	Multifunctional Nanocomposites for Environmental Remediation **2014**, 71-84		
28	Mechanical properties of carbon fiber composites modified with nano-SiO2 in the interphase. *Journal of Adhesion Science and Technology*, **2014**, 28, 2154-2166	2	17
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