

Yudong Huang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A High Performance Stretchable Asymmetric Fiber-Shaped Supercapacitor with a Core-Sheath Helical Structure. <i>Advanced Energy Materials</i> , 2017 , 7, 1600976	21.8	204
186	Magnetic polyaniline nanocomposites toward toxic hexavalent chromium removal. <i>RSC Advances</i> , 2012 , 2, 11007	3.7	193
185	Omnidirectionally Stretchable High-Performance Supercapacitor Based on Isotropic Buckled Carbon Nanotube Films. <i>ACS Nano</i> , 2016 , 10, 5204-11	16.7	187
184	Epoxy resin nanosuspensions and reinforced nanocomposites from polyaniline stabilized multi-walled carbon nanotubes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 729-743	7.1	140
183	Building Nanoporous Metal-Organic Frameworks "Armor" on Fibers for High-Performance Composite Materials. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5590-5599	9.5	116
182	Flexible and Freestanding Supercapacitor Electrodes Based on Nitrogen-Doped Carbon Networks/Graphene/Bacterial Cellulose with Ultrahigh Areal Capacitance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33608-33618	9.5	115
181	Grafting of polyhedral oligomeric silsesquioxanes on a carbon fiber surface: novel coupling agents for fiber/polymer matrix composites. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3695		114
180	Synergistic interactions between multi-walled carbon nanotubes and toxic hexavalent chromium. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2011-2021	13	109
179	Preparation and Characterization of 2,2,6,6-Tetramethylpiperidine-1-oxyl (TEMPO)-Oxidized Cellulose Nanocrystal/Alginate Biodegradable Composite Dressing for Hemostasis Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3819-3828	8.3	106
178	Stretchable Electronics Based on PDMS Substrates. <i>Advanced Materials</i> , 2021 , 33, e2003155	24	98
177	Hierarchical Proteinosomes for Programmed Release of Multiple Components. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7095-100	16.4	96
176	Adsorption of lysozyme by alginate/graphene oxide composite beads with enhanced stability and mechanical property. <i>Materials Science and Engineering C</i> , 2018 , 89, 25-32	8.3	94
175	Flexible, conductive, porous, fibrillar polymer-gold nanocomposites with enhanced electromagnetic interference shielding and mechanical properties. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1095-1105	7.1	83
174	Interfacially reinforced unsaturated polyester composites by chemically grafting different functional POSS onto carbon fibers. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18293-18303	13	80
173	A high efficiency H ₂ S gas sensor material: paper like Fe ₂ O ₃ /graphene nanosheets and structural alignment dependency of device efficiency. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6714-6717	13	79
172	Preparation and properties of polyhedral oligomeric silsesquioxane and carbon nanotube grafted carbon fiber hierarchical reinforcing structure. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2867		73
171	Biodegradable collagen sponge reinforced with chitosan/calcium pyrophosphate nanoflowers for rapid hemostasis. <i>Carbohydrate Polymers</i> , 2017 , 170, 271-280	10.3	67

170	Strengthened Magneto-resistive Epoxy Nanocomposite Papers Derived from Synergistic Nanomagnetite-Carbon Nanofiber Nanohybrids. <i>Advanced Materials</i> , 2015 , 27, 6277-82	24	65
169	Bacterial cellulose: an encouraging eco-friendly nano-candidate for energy storage and energy conversion. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5812-5842	13	60
168	Self-Healable Polymer Nanocomposites Capable of Simultaneously Recovering Multiple Functionalities. <i>Advanced Functional Materials</i> , 2016 , 26, 3524-3531	15.6	59
167	Improving surface and mechanical properties of alginate films by using ethanol as a co-solvent during external gelation. <i>Carbohydrate Polymers</i> , 2015 , 123, 208-16	10.3	58
166	Designing and constructing core-shell NiCoS@NiS on Ni foam by facile one-step strategy as advanced battery-type electrodes for supercapattery. <i>Journal of Colloid and Interface Science</i> , 2019 , 536, 456-462	9.3	57
165	Preparation of pH-responsive mesoporous hydroxyapatite nanoparticles for intracellular controlled release of an anticancer drug. <i>Biomaterials Science</i> , 2016 , 4, 272-80	7.4	55
164	Construction of polymer coated core-shell magnetic mesoporous silica nanoparticles with triple responsive drug delivery. <i>Polymer Chemistry</i> , 2017 , 8, 5852-5864	4.9	55
163	Nondestructive Functionalization of Graphene by Surface-Initiated Atom Transfer Radical Polymerization: An Ideal Nanofiller for Poly(p-phenylene benzobisoxazole) Fibers. <i>Macromolecules</i> , 2017 , 50, 1422-1429	5.5	54
162	Role of alginate in antibacterial finishing of textiles. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 466-473	7.9	50
161	Biomimetic Solid-State Zn Electrolyte for Corrugated Structural Batteries. <i>ACS Nano</i> , 2019 , 13, 1107-1115	6.7	48
160	Effective co-delivery of doxorubicin and curcumin using a glycyrrhetic acid-modified chitosan-cystamine-poly(ϵ -caprolactone) copolymer micelle for combination cancer chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 526-538	6	47
159	Biodegradable N, O-carboxymethyl chitosan/oxidized regenerated cellulose composite gauze as a barrier for preventing postoperative adhesion. <i>Carbohydrate Polymers</i> , 2019 , 207, 180-190	10.3	44
158	Interfacially reinforced carbon fiber/epoxy composites by grafting melamine onto carbon fibers in supercritical methanol. <i>RSC Advances</i> , 2016 , 6, 29654-29662	3.7	42
157	Injectable, self-healing, antibacterial, and hemostatic N,O-carboxymethyl chitosan/oxidized chondroitin sulfate composite hydrogel for wound dressing. <i>Materials Science and Engineering C</i> , 2021 , 118, 111324	8.3	42
156	One-pot preparation and continuous spinning of carbon nanotube/poly(p-phenylene benzobisoxazole) copolymer fibers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19863		41
155	Self-healable polysiloxane/graphene nanocomposite and its application in pressure sensor. <i>Journal of Materials Science</i> , 2019 , 54, 5472-5483	4.3	41
154	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. <i>Materials Science and Engineering C</i> , 2019 , 94, 524-533	8.3	39
153	Interfacial properties and impact toughness of dendritic hexamethylenetetramine functionalized carbon fiber with varying chain lengths. <i>RSC Advances</i> , 2014 , 4, 39156-39166	3.7	36

152	Functionalized graphene/C60 nanohybrid for targeting photothermally enhanced photodynamic therapy. <i>RSC Advances</i> , 2015 , 5, 654-664	3.7	34
151	Fluorescent electrospun polyvinyl alcohol/[email-protected] nanocomposite fibers. <i>Journal of Composite Materials</i> , 2013 , 47, 3175-3185	2.7	34
150	Biomorphic structural batteries for robotics. <i>Science Robotics</i> , 2020 , 5,	18.6	34
149	Construction of Anti-Ultraviolet "Shielding Clothes" on Poly(p-phenylene benzobisoxazole) Fibers: Metal Organic Framework-Mediated Absorption Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43262-43274	9.5	34
148	The modification of Kevlar fibers in coupling agents by Ray co-irradiation. <i>Fibers and Polymers</i> , 2011 , 12, 1014-1020	2	33
147	Effects of different "rigid-flexible" structures of carbon fibers surface on the interfacial microstructure and mechanical properties of carbon fiber/epoxy resin composites. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 13-23	9.3	33
146	Reinforced collagen with oxidized microcrystalline cellulose shows improved hemostatic effects. <i>Carbohydrate Polymers</i> , 2017 , 165, 30-38	10.3	32
145	Antibacterial and hemostatic composite gauze of N,O-carboxymethyl chitosan/oxidized regenerated cellulose. <i>RSC Advances</i> , 2016 , 6, 94429-94436	3.7	32
144	Diffusion characteristics of asphalt rejuvenators based on molecular dynamics simulation. <i>International Journal of Pavement Engineering</i> , 2019 , 20, 615-627	2.6	31
143	Rechargeable Aqueous Zinc/Manganese Dioxide/Graphene Batteries with High Rate Capability and Large Capacity. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1742-1748	6.1	30
142	A robust bilayer nanofilm fabricated on copper foam for oil/water separation with improved performances. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10294-10303	13	30
141	Controlled growth of silver nanoparticles on carbon fibers for reinforcement of both tensile and interfacial strength. <i>RSC Advances</i> , 2016 , 6, 14016-14026	3.7	30
140	In vitro single-cell dissection revealing the interior structure of cable bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8517-8522	11.5	30
139	Preparation and characterization of (POSS/TiO ₂) _n multi-coatings based on PBO fiber surface for improvement of UV resistance. <i>Fibers and Polymers</i> , 2013 , 14, 375-381	2	30
138	Hierarchical Proteinosomes for Programmed Release of Multiple Components. <i>Angewandte Chemie</i> , 2016 , 128, 7211-7216	3.6	30
137	Autonomic Behaviors in Lipase-Active Oil Droplets. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1067-1071	16.4	30
136	Preparation and characterization of oxidized regenerated cellulose film for hemostasis and the effect of blood on its surface. <i>Cellulose</i> , 2013 , 20, 2547-2558	5.5	28
135	Coordinated Membrane Fusion of Proteinosomes by Contact-Induced Hydrogel Self-Healing. <i>Small</i> , 2017 , 13, 1700467	11	27

134	Synthesis of a Three-Dimensional Interconnected Oxygen-, Boron-, Nitrogen-, and Phosphorus Tetraatomic-Doped Porous Carbon Network as Electrode Material for the Construction of a Superior Flexible Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46170-46180	9.5	27
133	Carbon nanotube-modified oxidized regenerated cellulose gauzes for hemostatic applications. <i>Carbohydrate Polymers</i> , 2018 , 183, 246-253	10.3	26
132	Covalent grafting of triazine derivatives onto graphene oxide for preparation of epoxy composites with improved interfacial and mechanical properties. <i>Journal of Materials Science</i> , 2018 , 53, 16318-16330	4.3	26
131	Studies on surface energy of asphalt and aggregate at different scales and bonding property of asphalt-aggregate system. <i>Road Materials and Pavement Design</i> , 2018 , 19, 1102-1125	2.6	25
130	A facile method to prepare multifunctional PBO fibers: simultaneously enhanced interfacial properties and UV resistance. <i>RSC Advances</i> , 2013 , 3, 24664	3.7	25
129	A new insight to the effect of calcium concentration on gelation process and physical properties of alginate films. <i>Journal of Materials Science</i> , 2016 , 51, 5791-5801	4.3	25
128	Preparation and properties of carbon nanotube/carbon fiber hybrid reinforcement by a two-step aryl diazonium reaction. <i>RSC Advances</i> , 2015 , 5, 44492-44498	3.7	24
127	Mechanical properties of carbon fiber composites modified with graphene oxide in the interphase. <i>Polymer Composites</i> , 2017 , 38, 2425-2432	3	23
126	Facile Interface Design Strategy for Improving the UV-resistant and Self-Healing Properties of Poly-(phenylene benzobisoxazole) Fibers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39292-39303	9.5	22
125	Intracellular pH-responsive mesoporous hydroxyapatite nanoparticles for targeted release of anticancer drug. <i>RSC Advances</i> , 2015 , 5, 30920-30928	3.7	22
124	Fast room-temperature self-healing siloxane elastomer for healable stretchable electronics. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 105-114	9.3	22
123	Acid-sensitive polymeric vector targeting to hepatocarcinoma cells via glycyrrhetic acid receptor-mediated endocytosis. <i>Materials Science and Engineering C</i> , 2018 , 87, 32-40	8.3	22
122	Self-Healing Polysiloxane Elastomer Based on Integration of Covalent and Reversible Networks. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 21504-21512	3.9	22
121	Investigation of the potential application of biodiesel by-product as asphalt modifier. <i>Road Materials and Pavement Design</i> , 2016 , 17, 737-752	2.6	21
120	A Novel Method to Fabricate CNT/Mg ₂ Zn Composites with High Strengthening Efficiency. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014 , 27, 909-917	2.5	21
119	Preparation of the water-soluble chitosan-coated oxidized regenerated cellulose gauze. <i>Cellulose</i> , 2011 , 18, 1651-1659	5.5	21
118	Anti-freezing, moisturizing, resilient and conductive organohydrogel for sensitive pressure sensors. <i>Journal of Colloid and Interface Science</i> , 2021 , 594, 584-592	9.3	21
117	Investigation of reactivity and biocompatibility poly-p-phenylene benzobisoxazole fiber grafted hyperbranched polysiloxane. <i>Composites Part B: Engineering</i> , 2017 , 121, 1-8	10	20

116	Serum-induced degradation of 3D DNA box origami observed with high-speed atomic force microscopy. <i>Nano Research</i> , 2015 , 8, 2170-2178	10	20
115	Surface modification of aramid fibers by amino functionalized silane grafting to improve interfacial property of aramid fibers reinforced composite. <i>Polymer Composites</i> , 2020 , 41, 2046-2053	3	20
114	Interfacial microstructure and properties of carbon fiber-reinforced unsaturated polyester composites modified with carbon nanotubes. <i>Journal of Adhesion Science and Technology</i> , 2014 , 28, 444-453	2	19
113	Improved interfacial properties of carbon fiber/unsaturated polyester composites through coating polyhedral oligomeric silsesquioxane on carbon fiber surface. <i>Fibers and Polymers</i> , 2014 , 15, 566-573	2	19
112	Chemically grafting carbon nanotubes onto carbon fibers by poly(acryloyl chloride) for enhancing interfacial strength in carbon fiber/unsaturated polyester composites. <i>Fibers and Polymers</i> , 2014 , 15, 659-663	2	18
111	Single-step fabrication of multi-compartmentalized biphasic proteinosomes. <i>Chemical Communications</i> , 2017 , 53, 8537-8540	5.8	18
110	Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. <i>ACS Sensors</i> , 2021 , 6, 2938-2951	9.2	18
109	Interfacial properties and thermo-oxidative stability of carbon fiber reinforced methylphenylsilicone resin composites modified with polyhedral oligomeric silsesquioxanes in the interphase. <i>RSC Advances</i> , 2016 , 6, 5032-5039	3.7	18
108	Enhanced oxidized regenerated cellulose with functionalized multiwalled carbon nanotubes for hemostasis applications. <i>RSC Advances</i> , 2014 , 4, 52372-52378	3.7	17
107	Mechanical properties of carbon fiber composites modified with nano-SiO ₂ in the interphase. <i>Journal of Adhesion Science and Technology</i> , 2014 , 28, 2154-2166	2	17
106	A solution to break the salt barrier for high-rate sustainable solar desalination. <i>Energy and Environmental Science</i> , 2021 , 14, 2451-2459	35.4	17
105	Spontaneous and efficient adsorption of lysozyme from aqueous solutions by naturally polyanion gel beads. <i>Materials Science and Engineering C</i> , 2017 , 76, 130-138	8.3	16
104	Incorporation of bacteriophages in polycaprolactone/collagen fibers for antibacterial hemostatic dual-function. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 2588-2595	3.5	16
103	Fluoride concentration controlled TiO ₂ nanotubes: the interplay of microstructure and photocatalytic performance. <i>RSC Advances</i> , 2016 , 6, 18333-18339	3.7	16
102	Lightweight glass/Fe ₃ O ₄ -polyaniline composite hollow spheres with conductive and magnetic properties. <i>Journal of Materials Science</i> , 2011 , 46, 2955-2962	4.3	16
101	Facile immobilization of graphene nanosheets onto PBO fibers via MOF-mediated coagulation strategy: Multifunctional interface with self-healing and ultraviolet-resistance performance. <i>Journal of Colloid and Interface Science</i> , 2021 , 587, 661-671	9.3	16
100	Effect of Dimensions and Agglomerations of Carbon Nanotubes on Synchronous Enhancement of Mechanical and Damping Properties of Epoxy Nanocomposites. <i>Nanomaterials</i> , 2018 , 8,	5.4	16
99	A multifunctional polymeric nanofilm with robust chemical performances for special wettability. <i>Nanoscale</i> , 2016 , 8, 5153-61	7.7	15

98	Imine or Secondary Amine-Derived Degradable Polyaminal: Low-Cost Matrix Resin with High Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1943-1953	8.3	15
97	Programmable Modulation of Membrane Permeability of Proteinosome upon Multiple Stimuli Responses. <i>ACS Macro Letters</i> , 2016 , 5, 961-966	6.6	15
96	Effect of Polymerizable Photoinitiators on the UV-polymerization behaviors of photosensitive polysiloxane. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 1696-1705	2.5	14
95	Synergetic Photocatalytic Nanostructures Based on Au/TiO ₂ /Reduced Graphene Oxide for Efficient Degradation of Organic Pollutants. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600323	3.1	14
94	Comparative Evaluation of Biological Performance, Biosecurity, and Availability of Cellulose-Based Absorbable Hemostats. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2018 , 24, 566-574	3.3	14
93	Processing, characterization and hemostatic mechanism of a ultraporous collagen/ORC biodegradable composite with excellent biological effectiveness. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29183-29191	3.6	14
92	A transparent silica colloidal crystal/PDMS composite and its application for crack suppression of metallic coatings. <i>Journal of Colloid and Interface Science</i> , 2016 , 461, 136-143	9.3	14
91	Carbon nanotubes grafting PBO fiber: A study on the interfacial properties of epoxy composites. <i>Polymer Composites</i> , 2012 , 33, 927-932	3	14
90	The effects of synthesis procedures on the structure and morphology of multiwalled carbon nanotubes (MWNTs)/titania (TiO ₂) nanocomposites prepared by hydrothermal method. <i>Journal of Materials Science</i> , 2010 , 45, 6200-6205	4.3	13
89	High mechanical and tribological performance of polyimide nanocomposite reinforced by fluorinated graphene oxide. <i>Polymer Composites</i> , 2020 , 41, 1624-1635	3	13
88	Interfacial improvement of carbon fiber-reinforced methylphenylsilicone resin composites with sizing agent containing functionalized carbon nanotubes. <i>Journal of Adhesion Science and Technology</i> , 2015 , 29, 2295-2310	2	12
87	Water soluble carboxymethylcellulose fibers derived from alkalization-etherification of viscose fibers. <i>Fibers and Polymers</i> , 2012 , 13, 748-753	2	12
86	Effects of chain lengths, molecular orientation, and functional groups of thiols adsorbed onto CF surface on interfacial properties of CF/epoxy composites. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 3380-3387	2.9	12
85	CNT coatings grown on the outer and inner surfaces of magnetic hollow carbon fibers with enhanced electromagnetic interference shielding performance. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14375-14383	7.1	12
84	Preparation, functional characterization and hemostatic mechanism discussion for oxidized microcrystalline cellulose and its composites. <i>Fibers and Polymers</i> , 2016 , 17, 1277-1286	2	11
83	In situ polymerization and characterization of graphene oxide-co-poly(phenylene benzobisoxazole) copolymer fibers derived from composite inner salts. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 1831-1842	2.5	11
82	Self-healing and stretchable PDMS-based bifunctional sensor enabled by synergistic dynamic interactions. <i>Chemical Engineering Journal</i> , 2021 , 412, 128734	14.7	11
81	Polyamide amine/aramid nanofiber composite aerogels as an ultra-high capacity adsorbent for Congo red removal. <i>Journal of Materials Chemistry A</i> ,	13	11

80	A facile method to prepare nanoscale polyacrylonitrile particles grafted aramid fibers for superior interfacial and mechanical properties of epoxy composites. <i>Polymer Composites</i> , 2018 , 39, E2436-E2444	3	10
79	Fabrication of light, flexible and multifunctional graphene nanoribbon fibers via a 3D solution printing method. <i>Nanotechnology</i> , 2016 , 27, 465702	3.4	10
78	Processing and characterization of ZnO nanowire-grown PBO fibers with simultaneously enhanced interfacial and atomic oxygen resistance properties. <i>RSC Advances</i> , 2014 , 4, 59869-59876	3.7	10
77	Irradiation of poly(L-lactide) biopolymer reinforced with functionalized MWCNTs. <i>RSC Advances</i> , 2015 , 5, 55544-55549	3.7	10
76	The preparation of a recyclable catalyst of silver nanoparticles dispersed in a mesoporous silica nanofiber matrix. <i>RSC Advances</i> , 2016 , 6, 65613-65618	3.7	10
75	Mechanical and interfacial properties of bare basalt fiber. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 2175-2187	2	10
74	Antibacterial, hemostasis, adhesive, self-healing polysaccharides-based composite hydrogel wound dressing for the prevention and treatment of postoperative adhesion. <i>Materials Science and Engineering C</i> , 2021 , 123, 111978	8.3	9
73	Biomimetic nanoporous aerogels from branched aramid nanofibers combining high heat insulation and compressive strength. <i>SmartMat</i> , 2021 , 2, 76-87	22.8	9
72	Functionalized graphene-reinforced polysiloxane nanocomposite with improved mechanical performance and efficient healing properties. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47725	2.9	8
71	Home-made epoxy emulsion sizing agent for treating carbon fibers: Thermal stability and mechanical properties. <i>Journal of Composite Materials</i> , 2015 , 49, 2877-2886	2.7	8
70	Significantly Strengthening Epoxy by Incorporating Carbon Nanotubes/Graphitic Carbon Nitride Hybrid Nanofillers. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000231	3.9	8
69	Preparation of ZnO quantum dots@SiO ₂ /PVA for multifunctional coating on PET. <i>New Journal of Chemistry</i> , 2020 , 44, 2122-2128	3.6	8
68	Multiscale carbon fiber-graphene oxide reinforcements for silicone resin composites with simultaneously enhanced interfacial strength and antihydrothermal aging behaviors. <i>Polymer Composites</i> , 2018 , 39, 3509-3518	3	8
67	Synthesis of novel single-walled carbon nanotubes/poly (p-phenylene benzobisoxazole) nanocomposite. <i>Polymer Bulletin</i> , 2011 , 67, 1731-1739	2.4	8
66	Effect of Testing Conditions on Laboratory Moisture Test for Asphalt Mixtures. <i>Journal of Testing and Evaluation</i> , 2016 , 44, 20150128	1	8
65	A Facile Route to Synthesize Nanographene Reinforced PBO Composites Fiber via in Situ Polymerization. <i>Polymers</i> , 2016 , 8,	4.5	8
64	3D Porous Sponge-Inspired Electrode for High-Energy and High-Power Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1833-1839	6.1	8
63	Improvements in interfacial and heat-resistant properties of carbon fiber/methylphenylsilicone resins composites by incorporating silica-coated multi-walled carbon nanotubes. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 117-130	2	7

62	Artificial extracellular matrix delivers TGFb1 regulating myofibroblast differentiation. <i>RSC Advances</i> , 2016 , 6, 21922-21928	3.7	7
61	Characterization of the Bonding Fracture Properties of the Asphalt-Aggregate System Using a Thin-Film Interface Test. <i>Journal of Testing and Evaluation</i> , 2016 , 44, 20140409	1	7
60	Solar heating assisted rapid cleanup of viscous crude oil spills using reduced graphene oxide-coated sponges. <i>Science China Technological Sciences</i> , 2020 , 63, 1487-1496	3.5	7
59	The construction of thiol-functionalized DNAsomes with small molecules response and protein release. <i>Materials Science and Engineering C</i> , 2019 , 99, 1153-1163	8.3	7
58	Surface ammonification of the mutual-irradiated aramid fibers in 1,4-dichlorobutane for improving interfacial properties with epoxy resin. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	6
57	Fabrication of oxidized sodium carboxymethylcellulose from viscose fibers and their viscosity behaviors. <i>Fibers and Polymers</i> , 2013 , 14, 1266-1270	2	6
56	High Selectivity and Reusability of Biomass-Based Adsorbent for Chloramphenicol Removal. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
55	Catalytic property of poly(ethylene terephthalate-co-isophthalate) synthesized with a novel Sb/Al bimetallic compound catalyst. <i>RSC Advances</i> , 2016 , 6, 67677-67684	3.7	6
54	Preparation and performance of fumed silica-stabilized epoxy resin pickering emulsion for basalt fiber sizing agents. <i>Advanced Composites and Hybrid Materials</i> , 1	8.7	6
53	Improved melting strength of polypropylene by reactive compounding with ultrafine full-vulcanized polybutadiene rubber (UFBR) particles. <i>Polymer Engineering and Science</i> , 2009 , 49, 1767-1771	2.3	5
52	Fabrication of uvioresistant poly(p-phenylene benzobisoxazole) fibers based on hydrogen bond. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48432	2.9	5
51	Preparation and properties of PIPD nanofibers made by a swelling and ultrasonic stripping process. <i>RSC Advances</i> , 2016 , 6, 78073-78079	3.7	5
50	Mechanical reinforcement of PBO fibers by dicarboxylic acid functionalized carbon nanotubes through in situ copolymerization. <i>RSC Advances</i> , 2016 , 6, 86245-86252	3.7	5
49	Robust, Self-Healable Siloxane Elastomers Constructed by Multiple Dynamic Bonds for Stretchable Electronics and Microsystems. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 2154-2162	3.9	5
48	Waterborne epoxy sizing agent with hyperbranched structure to improve the interface performance of carbon fiber. <i>Polymer Composites</i> , 2021 , 42, 1741-1751	3	5
47	Tailored Natural Polysaccharides Beads as Green Sorbents for Efficient Lysozyme Adsorption. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 2803-2812	4.5	4
46	Multifactorial engineering of biomimetic membranes for batteries with multiple high-performance parameters.. <i>Nature Communications</i> , 2022 , 13, 278	17.4	4
45	Nonadiabatic Dynamics Algorithms with Only Potential Energies and Gradients: Curvature-Driven Coherent Switching with Decay of Mixing and Curvature-Driven Trajectory Surface Hopping.. <i>Journal of Chemical Theory and Computation</i> , 2022 ,	6.4	4

44	Acid treatment of silver flake coatings and its application in the flexible electrical circuits. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 4363-4371	2.1	4
43	Improving the Mechanical and Surface Properties of Aramid Fiber by Grafting with 1,4-Dichlorobutane under Supercritical Carbon Dioxide. <i>Materials</i> , 2019 , 12,	3.5	4
42	Facile fabrication and performance comparison of aramid-nanofiber membrane formed by water or ethanol. <i>Polymer Composites</i> , 2019 , 40, 2534-2538	3	4
41	Surface Permeability of Membrane and Catalytic Performance Based on Redox-Responsive of Hybrid Hollow Polymeric Microcapsules. <i>Molecules</i> , 2021 , 26,	4.8	4
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