

# Jinhong Yu

## List of Publications by Citations

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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.

154  
papers

5,134  
citations

42  
h-index

65  
g-index

163  
ext. papers

6,724  
ext. citations

6.1  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
154	Interfacial modification of boron nitride nanoplatelets for epoxy composites with improved thermal properties. <i>Polymer</i> , <b>2012</b> , 53, 471-480	3.9	349
153	Alumina-coated graphene sheet hybrids for electrically insulating polymer composites with high thermal conductivity. <i>RSC Advances</i> , <b>2013</b> , 3, 17373	3.7	155
152	New Deformation-Induced Nanostructure in Silicon. <i>Nano Letters</i> , <b>2018</b> , 18, 4611-4617	11.5	141
151	Permittivity, thermal conductivity and thermal stability of poly(vinylidene fluoride)/graphene nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2011</b> , 18, 478-484	2.3	139
150	Enhanced thermal conductivity for polyimide composites with a three-dimensional silicon carbide nanowire@graphene sheets filler. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4884-4891	13	135
149	Enhanced thermal properties of poly(vinylidene fluoride) composites with ultrathin nanosheets of MXene. <i>RSC Advances</i> , <b>2017</b> , 7, 20494-20501	3.7	131
148	Enhanced thermal and electrical properties of epoxy composites reinforced with graphene nanoplatelets. <i>Polymer Composites</i> , <b>2015</b> , 36, 556-565	3	121
147	In situ formation of a cellular graphene framework in thermoplastic composites leading to superior thermal conductivity. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 6164-6169	13	120
146	Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. <i>ACS Nano</i> , <b>2019</b> , 13, 11561-11571	16.7	117
145	An ultrathin high-performance heat spreader fabricated with hydroxylated boron nitride nanosheets. <i>2D Materials</i> , <b>2017</b> , 4, 025047	5.9	108
144	Preparation of hyperbranched aromatic polyamide grafted nanoparticles for thermal properties reinforcement of epoxy composites. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 1380	4.9	106
143	Enhanced thermal conductivity and retained electrical insulation for polyimide composites with SiC nanowires grown on graphene hybrid fillers. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2015</b> , 76, 73-81	8.4	104
142	A Paper-Like Inorganic Thermal Interface Material Composed of Hierarchically Structured Graphene/Silicon Carbide Nanorods. <i>ACS Nano</i> , <b>2019</b> , 13, 1547-1554	16.7	93
141	Constructing a pea-pod-like alumina-graphene binary architecture for enhancing thermal conductivity of epoxy composite. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122690	14.7	86
140	Graphene woven fabric-reinforced polyimide films with enhanced and anisotropic thermal conductivity. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 87, 290-296	8.4	81
139	Enhanced thermal conductivity of epoxy composites filled with silicon carbide nanowires. <i>Scientific Reports</i> , <b>2017</b> , 7, 2606	4.9	81
138	Influence of interface structure on dielectric properties of epoxy/alumina nanocomposites. <i>Macromolecular Research</i> , <b>2012</b> , 20, 816-826	1.9	81

137	Exceptionally high thermal and electrical conductivity of three-dimensional graphene-foam-based polymer composites. <i>RSC Advances</i> , <b>2016</b> , 6, 22364-22369	3.7	79
136	Highly thermal conductive and electrical insulating polymer composites with boron nitride. <i>Composites Part B: Engineering</i> , <b>2020</b> , 184, 107746	10	78
135	Polymer/boron nitride nanosheet composite with high thermal conductivity and sufficient dielectric strength. <i>Polymers for Advanced Technologies</i> , <b>2015</b> , 26, 514-520	3.2	73
134	Graphene foam-embedded epoxy composites with significant thermal conductivity enhancement. <i>Nanoscale</i> , <b>2019</b> , 11, 17600-17606	7.7	68
133	Highly thermal conductive polymer composites via constructing micro-phragmites communis structured carbon fibers. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121921	14.7	67
132	Graphene size-dependent modulation of graphene frameworks contributing to the superior thermal conductivity of epoxy composites. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12091-12097	13	67
131	Defects regulating of graphene ink for electrochemical determination of ascorbic acid, dopamine and uric acid. <i>Talanta</i> , <b>2018</b> , 180, 248-253	6.2	64
130	Graphene nanocomposites based on poly(vinylidene fluoride): Structure and properties. <i>Polymer Composites</i> , <b>2011</b> , 32, 1483-1491	3	63
129	Enhanced Thermal Conductivity of Polyimide Composites with Boron Nitride Nanosheets. <i>Scientific Reports</i> , <b>2018</b> , 8, 1557	4.9	61
128	Enhanced thermal conductivity of polydimethylsiloxane composites with carbon fiber. <i>Composites Communications</i> , <b>2020</b> , 17, 141-146	6.7	61
127	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. <i>ACS Nano</i> , <b>2021</b> , 15, 6489-6498	16.7	60
126	MXene/Polymer Nanocomposites: Preparation, Properties, and Applications. <i>Polymer Reviews</i> , <b>2021</b> , 61, 80-115	14	56
125	Enhanced thermal conductivity of poly(vinylidene fluoride)/boron nitride nanosheet composites at low filler content. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 109, 321-329	8.4	55
124	High-Thermal-Transport-Channel Construction within Flexible Composites via the Welding of Boron Nitride Nanosheets. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 360-368	5.6	54
123	Enhancing the thermal and mechanical properties of epoxy resins by addition of a hyperbranched aromatic polyamide grown on microcrystalline cellulose fibers. <i>RSC Advances</i> , <b>2014</b> , 4, 14928	3.7	53
122	Mechanical and thermal properties of epoxy composites containing graphene oxide and liquid crystalline epoxy. <i>Fibers and Polymers</i> , <b>2014</b> , 15, 326-333	2	52
121	Epoxy nanocomposites filled with thermotropic liquid crystalline epoxy grafted graphene oxide. <i>RSC Advances</i> , <b>2013</b> , 3, 8915	3.7	52
120	Enhanced Thermal Conductivity of Epoxy Composites Filled with 2D Transition Metal Carbides (MXenes) with Ultralow Loading. <i>Scientific Reports</i> , <b>2019</b> , 9, 9135	4.9	50

119	Highly flexible biodegradable cellulose nanofiber/graphene heat-spreader films with improved mechanical properties and enhanced thermal conductivity. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12739-12745	7.1	48
118	Extremely high thermal conductivity of carbon fiber/epoxy with synergistic effect of MXenes by freeze-drying. <i>Composites Communications</i> , <b>2020</b> , 19, 134-141	6.7	45
117	Enhanced thermal conductivity and retained electrical insulation of heat spreader by incorporating alumina-deposited graphene filler in nano-fibrillated cellulose. <i>Composites Part B: Engineering</i> , <b>2019</b> , 178, 107489	10	45
116	Enhanced thermal and mechanical properties of epoxy composites by mixing noncovalently functionalized graphene sheets. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 453-472	2.4	44
115	Thermal and electrical properties of epoxy composites at high alumina loadings and various temperatures. <i>Iranian Polymer Journal (English Edition)</i> , <b>2013</b> , 22, 61-73	2.3	44
114	Flammability, thermal stability and mechanical properties of polyvinyl alcohol nanocomposites reinforced with delaminated Ti3C2Tx (MXene). <i>Polymer Composites</i> , <b>2020</b> , 41, 210-218	3	43
113	Enhanced thermal properties in a hybrid graphene/alumina filler for epoxy composites. <i>RSC Advances</i> , <b>2015</b> , 5, 35773-35782	3.7	42
112	Enhanced thermal conductivity for poly(vinylidene fluoride) composites with nano-carbon fillers. <i>RSC Advances</i> , <b>2016</b> , 6, 68357-68362	3.7	42
111	Enhanced thermal conductivity for PVDF composites with a hybrid functionalized graphene sheet-nanodiamond filler. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 1317-1323	2	42
110	A glassy carbon electrode modified with N-doped carbon dots for improved detection of hydrogen peroxide and paracetamol. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 87	5.8	41
109	Cotton Candy-Templated Fabrication of Three-Dimensional Ceramic Pathway within Polymer Composite for Enhanced Thermal Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44700-44707	9.5	41
108	Boron nitride nanosheet nanofluids for enhanced thermal conductivity. <i>Nanoscale</i> , <b>2018</b> , 10, 13004-13010	10.7	40
107	Enhanced mechanical and thermal properties of epoxy with hyperbranched polyester grafted perylene diimide. <i>RSC Advances</i> , <b>2015</b> , 5, 3177-3186	3.7	39
106	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. <i>Advanced Science</i> , <b>2021</b> , 8, 2003734	13.6	38
105	In situ growth of metal nanoparticles on boron nitride nanosheets as highly efficient catalysts. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 19107-19115	13	37
104	Enhanced thermal and mechanical properties of polyimide/graphene composites. <i>Macromolecular Research</i> , <b>2014</b> , 22, 983-989	1.9	36
103	Lycoris species identification and infrageneric relationship investigation via graphene enhanced electrochemical fingerprinting of pollen. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 298, 126836	8.5	35
102	Effective thermal transport highway construction within dielectric polymer composites via a vacuum-assisted infiltration method. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 6494-6501	7.1	35

101	Highly Conductive 3D Segregated Graphene Architecture in Polypropylene Composite with Efficient EMI Shielding. <i>Polymers</i> , <b>2017</b> , 9,	4.5	30
100	Ultra-high Energy Storage Performance of Layered Polymer Nanocomposites over a Broad Temperature Range. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103338	24	30
99	Efficient thermal properties enhancement to hyperbranched aromatic polyamide grafted aluminum nitride in epoxy composites. <i>Polymers for Advanced Technologies</i> , <b>2013</b> , 24, 348-356	3.2	29
98	Improving thermal and mechanical properties of epoxy composites by using functionalized graphene. <i>RSC Advances</i> , <b>2015</b> , 5, 60596-60607	3.7	28
97	Ultra-high discharge efficiency and improved energy density in polymer-based nanocomposite for high-temperature capacitors application. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 142, 106266	8.4	28
96	In Situ High-Pressure X-ray Diffraction and Raman Spectroscopy Study of TiCT MXene. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 343	5	28
95	Enhanced electrochemical voltammetric fingerprints for plant taxonomic sensing. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 120, 102-107	11.8	27
94	Stress induced carbon fiber orientation for enhanced thermal conductivity of epoxy composites. <i>Composites Part B: Engineering</i> , <b>2021</b> , 208, 108599	10	27
93	In Situ TEM Study of Interaction between Dislocations and a Single Nanotwin under Nanoindentation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29451-29456	9.5	26
92	Enhanced thermal and mechanical properties of lignin/polypropylene wood-plastic composite by using flexible segment-containing reactive compatibilizer. <i>Macromolecular Research</i> , <b>2014</b> , 22, 1084-1089	1.9	26
91	Highly flexible few-layer Ti3C2 MXene/cellulose nanofiber heat-spreader films with enhanced thermal conductivity. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 7186-7193	3.6	25
90	Effect of different sizes of graphene on thermal transport performance of graphene paper. <i>Composites Communications</i> , <b>2017</b> , 5, 46-53	6.7	25
89	Soft and Self-Adhesive Thermal Interface Materials Based on Vertically Aligned, Covalently Bonded Graphene Nanowalls for Efficient Microelectronic Cooling. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104062	15.6	25
88	Enhanced thermal properties of epoxy composites by using hyperbranched aromatic polyamide grafted silicon carbide whiskers. <i>Macromolecular Research</i> , <b>2014</b> , 22, 405-411	1.9	24
87	Influence of alumina content and thermal treatment on the thermal conductivity of UPE/Al2O3 composite. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	23
86	Epoxy composites with high cross-plane thermal conductivity by constructing all-carbon multidimensional carbon fiber/graphite networks. <i>Composites Science and Technology</i> , <b>2021</b> , 203, 108610	8.6	23
85	Cellulosic scaffolds doped with boron nitride nanosheets for shape-stabilized phase change composites with enhanced thermal conductivity. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 627-634	7.9	22
84	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. <i>Chemical Engineering Journal</i> , <b>2021</b> , 419, 129609	14.7	22

83	An electrochemical method for plant species determination and classification based on fingerprinting petal tissue. <i>Bioelectrochemistry</i> , <b>2019</b> , 129, 199-205	5.6	21
82	Highly thermally conductive polymer composites with barnacle-like nano-crystalline Diamond@Silicon carbide hybrid architecture. <i>Composites Part B: Engineering</i> , <b>2020</b> , 198, 108167	10	21
81	Epoxy composites filled with one-dimensional SiC nanowires/two-dimensional graphene nanoplatelets hybrid nanofillers. <i>RSC Advances</i> , <b>2014</b> , 4, 59409-59417	3.7	21
80	Tailoring Highly Ordered Graphene Framework in Epoxy for High-Performance Polymer-Based Heat Dissipation Plates. <i>ACS Nano</i> , <b>2021</b> ,	16.7	21
79	Development of an electrochemical biosensor for phylogenetic analysis of Amaryllidaceae based on the enhanced electrochemical fingerprint recorded from plant tissue. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 159, 112212	11.8	20
78	Enhanced thermal conductivity of epoxy composites filled with tetrapod-shaped ZnO.. <i>RSC Advances</i> , <b>2018</b> , 8, 12337-12343	3.7	20
77	Enhanced thermal properties for epoxy composites with a three-dimensional graphene oxide filler. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 2617-2626	2	20
76	Anisotropic thermal conductive properties of cigarette filter-templated graphene/epoxy composites.. <i>RSC Advances</i> , <b>2018</b> , 8, 1065-1070	3.7	19
75	Electrochemical antioxidant screening based on a chitosan hydrogel. <i>Bioelectrochemistry</i> , <b>2018</b> , 121, 7-10	5.6	19
74	Efficient Thermal Transport Highway Construction Within Epoxy Matrix via Hybrid Carbon Fibers and Alumina Particles. <i>ACS Omega</i> , <b>2020</b> , 5, 1170-1177	3.9	18
73	The effect of hyperbranched polymer lubricant as a compatibilizer on the structure and properties of lignin/polypropylene composites. <i>Wood Material Science and Engineering</i> , <b>2013</b> , 8, 159-165	1.9	17
72	One recombinant C-type lectin (LvLec) from white shrimp <i>Litopenaeus vannamei</i> affected the haemocyte immune response in vitro. <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 89, 35-42	4.3	16
71	Ultrahigh energy storage performance of a polymer-based nanocomposite via interface engineering. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 3530-3539	13	16
70	Excellent tribological properties of epoxy//i3C2 with three-dimensional nanosheets composites. <i>Friction</i> , <b>2021</b> , 9, 734-746	5.6	15
69	Unprecedented enhancement of wear resistance for epoxy-resin graphene composites. <i>Nanoscale</i> , <b>2021</b> , 13, 2855-2867	7.7	15
68	Preparation and Investigation of Epoxy Syntactic Foam (Epoxy/Graphite Reinforced Hollow Epoxy Macrosphere/Hollow Glass Microsphere Composite). <i>Fibers and Polymers</i> , <b>2018</b> , 19, 170-187	2	14
67	Enhanced thermal and mechanical properties of liquid crystalline-grafted graphene oxide-filled epoxy composites. <i>Polymer Bulletin</i> , <b>2017</b> , 74, 1611-1627	2.4	14
66	Enhanced thermal and mechanical properties of polyimide composites by mixing thermotropic liquid crystalline epoxy grafted aluminum nitride. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	14

65	Combining Alumina Particles with Three-Dimensional Alumina Foam for High Thermally Conductive Epoxy Composites. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 216-225	4.3	14
64	Improving thermal conductivity of poly(vinyl alcohol) composites by using functionalized nanodiamond. <i>Composites Communications</i> , <b>2021</b> , 23, 100596	6.7	14
63	Synergistic effect of carbon fiber and graphite on reducing thermal resistance of thermal interface materials. <i>Composites Science and Technology</i> , <b>2021</b> , 212, 108883	8.6	14
62	Electrochemical Sex Determination of Dioecious Plants Using Polydopamine-Functionalized Graphene Sheets. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 92	5	13
61	Unprecedented arsenic photo-oxidation behavior of few- and multi-layer Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> nano-sheets. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100769	6.6	13
60	Enhanced thermal and mechanical properties of polypropylene composites with hyperbranched polyester grafted sisal microcrystalline. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 2153-2161	2	13
59	Enhanced thermal conductivity of epoxy composites with core-shell SiC@SiO <sub>2</sub> nanowires. <i>High Voltage</i> , <b>2017</b> , 2, 154-160	4.1	12
58	Crystal structure transformation and dielectric properties of polymer composites incorporating zinc oxide nanorods. <i>Macromolecular Research</i> , <b>2014</b> , 22, 19-25	1.9	12
57	Recent developments on epoxy-based syntactic foams for deep sea exploration. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 2037-2076	4.3	11
56	Preparation, Properties and Mechanisms of Carbon Fiber/Polymer Composites for Thermal Management Applications. <i>Polymers</i> , <b>2021</b> , 13,	4.5	11
55	Graphdiyne for significant thermal conductivity enhancement at ultralow mass fraction in polymer composites. <i>2D Materials</i> , <b>2020</b> , 7, 035007	5.9	10
54	Enhanced thermal and mechanical properties of epoxy composites by addition of hyperbranched polyglycerol grown on cellulose fibers. <i>Journal of Polymer Research</i> , <b>2016</b> , 23, 1	2.7	9
53	Rational design of high-performance thermal interface materials based on gold-nanocap-modified vertically aligned graphene architecture. <i>Composites Communications</i> , <b>2021</b> , 24, 100621	6.7	9
52	Thermal and corrosion behavior of Ti <sub>3</sub> C <sub>2</sub> /Copper composites. <i>Composites Communications</i> , <b>2020</b> , 22, 100498	6.7	8
51	3D Thermal Network Supported by CF Felt for Improving the Thermal Performance of CF/C/Epoxy Composites. <i>Polymers</i> , <b>2021</b> , 13,	4.5	8
50	Epoxy Composites with High Thermal Conductivity by Constructing Three-Dimensional Carbon Fiber/Carbon/Nickel Networks Using an Electroplating Method. <i>ACS Omega</i> , <b>2021</b> , 6, 19238-19251	3.9	8
49	Enhanced thermal transport performance for poly(vinylidene fluoride) composites with superfullerene. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 1180-1186	2	7
48	Effect of epoxidized soybean oil grafted poly(12-hydroxy stearate) on mechanical and thermal properties of microcrystalline cellulose fibers/polypropylene composites. <i>Polymer Bulletin</i> , <b>2017</b> , 74, 911-930	2.4	7

47	Wear and mechanical properties of reactive thermotropic liquid crystalline polymer/unsaturated polyester/glass fiber hybrid composites. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 103, 3899-3906	2.9	7
46	Electrochemical Enantiomer Recognition Based on sp <sup>2</sup> -to-sp <sup>3</sup> Converted Regenerative Graphene/Diamond Electrode. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	7
45	An analytical study of mechanical behavior of polypropylene/calcium carbonate composites under uniaxial tension and three-point bending. <i>Composite Structures</i> , <b>2017</b> , 171, 370-381	5.3	6
44	The enhanced thermal transport properties of a heat spreader assembled using non-covalent functionalized graphene. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9337-9343	3.6	6
43	Improved thermal properties of epoxy composites filled with thermotropic liquid crystalline epoxy grafted aluminum nitride. <i>Fibers and Polymers</i> , <b>2014</b> , 15, 2581-2590	2	6
42	Surface Modification Using Polydopamine-Coated Liquid Metal Nanocapsules for Improving Performance of Graphene Paper-Based Thermal Interface Materials. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
41	Tailoring Thermal Transport Properties of Graphene Paper by Structural Engineering. <i>Scientific Reports</i> , <b>2019</b> , 9, 4549	4.9	5
40	A mini review: application of graphene paper in thermal interface materials. <i>New Carbon Materials</i> , <b>2021</b> , 36, 930-938	4.4	5
39	Graphene as a nanofiller for enhancing the tribological properties and thermal conductivity of base grease.. <i>RSC Advances</i> , <b>2019</b> , 9, 42481-42488	3.7	5
38	Aluminum Borate/Boron Nitride Nanosheet Fibers for Enhancing the Thermal Conductivity of Polymer Composites. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 2136-2142	5.6	5
37	Development and Mechanical Characterization of HGMS-EHS-Reinforced Hollow Glass Bead Composites. <i>ACS Omega</i> , <b>2020</b> , 5, 6725-6737	3.9	4
36	Preparation and Mechanical Properties of Carbon Fiber Reinforced Multiphase Epoxy Syntactic Foam (CF-R-Epoxy/HGMS/CFR-HEMS Foam). <i>ACS Omega</i> , <b>2020</b> , 5, 14133-14146	3.9	4
35	A dense graphene monolith with poloxamer prefunctionalization enabling aqueous redispersion to obtain solubilized graphene sheets. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 2507-2511	8.1	4
34	Enhanced mechanical and thermal properties of polypropylene/cellulose fibers composites with modified tannic as a compatibilizer. <i>Polymer Composites</i> , <b>2018</b> , 39, 2036-2045	3	4
33	A Combined Self-Consistent Method to Estimate the Effective Properties of Polypropylene/Calcium Carbonate Composites. <i>Polymers</i> , <b>2018</b> , 10,	4.5	4
32	Modulation by biogenic amines for the hemocyte count and prophenoloxidase exocytosis via receptors in <i>Litopenaeus vannamei</i> . <i>Journal of Ocean University of China</i> , <b>2011</b> , 10, 425-432	1	4
31	Crystallization induced realignment of carbon fibers in a phase change material to achieve exceptional thermal transportation properties. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 593-601	13	4
30	Constructing Tanghulu-like Diamond@Silicon carbide nanowires for enhanced thermal conductivity of polymer composite. <i>Composites Communications</i> , <b>2022</b> , 29, 101008	6.7	4



29	β-Cyclodextrin-Immobilized Ni/Graphene Electrode for Electrochemical Enantiorecognition of Phenylalanine. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
28	Enhanced tribological properties of aligned graphene-epoxy composites. <i>Friction</i> ,1	5.6	4
27	Early sex determination of Ginkgo biloba based on the differences in the electrocatalytic performance of extracted peroxidase. <i>Bioelectrochemistry</i> , <b>2021</b> , 140, 107829	5.6	4
26	Analysis of coumarin in food and plant tissue without extraction based on voltammetry of microparticles. <i>Journal of Food Measurement and Characterization</i> , <b>2021</b> , 15, 5439	2.8	4
25	Relationship between graphene and pedosphere: A scientometric analysis.. <i>Chemosphere</i> , <b>2022</b> , 300, 134599	8.4	4
24	Thermal conductivity and dielectric properties of epoxy composites with hyperbranched polymer modified boron nitride nanoplatelets <b>2012</b> ,		3
23	Ultrahigh charge/discharge efficiency and high energy density of a high-temperature stable sandwich-structured polymer. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 1579-1587	13	3
22	High Thermal Conductivity and Anisotropy Values of Aligned Graphite Flakes/Copper Foil Composites. <i>Materials</i> , <b>2019</b> , 13,	3.5	3
21	Carbon nano-onions as a nanofiller for enhancing thermal conductivity of epoxy composites. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	3
20	Influence of interface chemistry on dielectric properties of epoxy/alumina nanocomposites <b>2015</b> ,		2
19	A spiral graphene framework containing highly ordered graphene microtubes for polymer composites with superior through-plane thermal conductivity. <i>Chinese Journal of Chemistry</i> ,	4.9	2
18	Carbon Fiber Reinforced Multi-Phase Epoxy Syntactic Foam (CFR-Epoxy-Hardener/HGMS/Aerogel-R-Hollow Epoxy Macrosphere(AR-HEMS)). <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
17	Improving Corrosion Protection and Friction Resistance of Q235 Steel by Combining Noncovalent Action and Rotating Coating Method. <i>ACS Omega</i> , <b>2021</b> , 6, 7434-7443	3.9	2
16	Black phosphorene-cellulose nanofiber hybrid paper as flexible heat spreader. <i>2D Materials</i> , <b>2021</b> , 8, 045029	5.9	2
15	Efficient thermal transport network construction within epoxy composites with hybrid ceramic fillers. <i>Composites Communications</i> , <b>2021</b> , 28, 100943	6.7	2
14	Rational design of graphene/polymer composites with excellent electromagnetic interference shielding effectiveness and high thermal conductivity: a mini review. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 117, 238-250	9.1	2
13	Polyethylene Glycol-Calcium Chloride Phase Change Materials with High Thermal Conductivity and Excellent Shape Stability by Introducing Three-Dimensional Carbon/Carbon Fiber Felt.. <i>ACS Omega</i> , <b>2021</b> , 6, 33033-33045	3.9	1
12	Constructing a Pearl-Necklace-Like Architecture for enhancing thermal conductivity of composite films by electrospinning. <i>Composites Communications</i> , <b>2022</b> , 29, 101036	6.7	1

11	Constructing a three-dimensional nano-crystalline diamond network within polymer composites for enhanced thermal conductivity. <i>Nanoscale</i> , <b>2021</b> , 13, 18657-18664	7.7	1
10	Significant enhancement of corrosion resistance of stainless steel with nanostructured carbon coatings by substrate-catalytic CVD. <i>Applied Nanoscience (Switzerland)</i> , <b>2021</b> , 11, 725-733	3.3	1
9	High thermal conductivity and low leakage phase change materials filled with three-dimensional carbon fiber network. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 1-10	1.8	1
8	Epoxy composite with high thermal conductivity by constructing 3D-oriented carbon fiber and BN network structure.. <i>RSC Advances</i> , <b>2021</b> , 11, 25422-25430	3.7	1
7	Achieving highly thermal conductivity of polymer composites by adding hybrid silver-carbon fiber fillers. <i>Composites Communications</i> , <b>2022</b> , 31, 101129	6.7	1
6	High-Performance TPE-S Modified by a Flame-Retardant System Based on Black Phosphorus Nanosheets.. <i>ACS Omega</i> , <b>2022</b> , 7, 4224-4233	3.9	0
5	Study on Preparation and Properties of Ultrahigh Molecular Weight Polyethylene Composites Filled with Different Carbon Materials.. <i>ACS Omega</i> , <b>2022</b> , 7, 5547-5557	3.9	0
4	A study of preparation and properties of epoxy resin/carbon fiber/phenolic residual carbon composites with adjustable negative permittivity behavior. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 1-8	1.8	0
3	Fabrication and Study on Thermal Conductivity, Electrical Properties, and Mechanical Properties of the Lightweight Carbon/Carbon Fiber Composite. <i>Journal of Chemistry</i> , <b>2020</b> , 2020, 1-15	2.3	0
2	Flexible MXene/copper/cellulose nanofiber heat spreader films with enhanced thermal conductivity. <i>Nanotechnology Reviews</i> , <b>2022</b> , 11, 1583-1591	6.3	0
1	Ice-templated Graphene In-situ Loaded Boron Nitride Aerogels for Polymer Nanocomposites with High Thermal Management Capability. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2022</b> , 107005	8.4	0