Jinhong Yu

List of Publications by Year in descending order

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162 papers	8,436 citations	28190 55 h-index	53109 85 g-index
163 all docs	163 docs citations	163 times ranked	6653 citing authors

#	Article	IF	Citations
1	Interfacial modification of boron nitride nanoplatelets for epoxy composites with improved thermal properties. Polymer, 2012, 53, 471-480.	1.8	410
2	Enhanced thermal properties of poly(vinylidene fluoride) composites with ultrathin nanosheets of MXene. RSC Advances, 2017, 7, 20494-20501.	1.7	242
3	Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. ACS Nano, 2019, 13, 11561-11571.	7.3	214
4	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. ACS Nano, 2021, 15, 6489-6498.	7.3	191
5	New Deformation-Induced Nanostructure in Silicon. Nano Letters, 2018, 18, 4611-4617.	4.5	182
6	Alumina-coated graphene sheet hybrids for electrically insulating polymer composites with high thermal conductivity. RSC Advances, 2013, 3, 17373.	1.7	176
7	Enhanced thermal conductivity for polyimide composites with a three-dimensional silicon carbide nanowire@graphene sheets filler. Journal of Materials Chemistry A, 2015, 3, 4884-4891.	5.2	173
8	Permittivity, thermal conductivity and thermal stability of poly(vinylidene fluoride)/graphene nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 478-484.	1.8	160
9	Constructing a â€œpea-pod-likeâ€•alumina-graphene binary architecture for enhancing thermal conductivity of epoxy composite. Chemical Engineering Journal, 2020, 381, 122690.	6.6	157
10	In situ formation of a cellular graphene framework in thermoplastic composites leading to superior thermal conductivity. Journal of Materials Chemistry A, 2017, 5, 6164-6169.	5.2	149
11	Enhanced thermal and electrical properties of epoxy composites reinforced with graphene nanoplatelets. Polymer Composites, 2015, 36, 556-565.	2.3	147
12	An ultrathin high-performance heat spreader fabricated with hydroxylated boron nitride nanosheets. 2D Materials, 2017, 4, 025047.	2.0	145
13	Highly thermal conductive and electrical insulating polymer composites with boron nitride. Composites Part B: Engineering, 2020, 184, 107746.	5.9	142
14	Enhanced thermal conductivity and retained electrical insulation for polyimide composites with SiC nanowires grown on graphene hybrid fillers. Composites Part A: Applied Science and Manufacturing, 2015, 76, 73-81.	3.8	131
15	A Paper-Like Inorganic Thermal Interface Material Composed of Hierarchically Structured Graphene/Silicon Carbide Nanorods. ACS Nano, 2019, 13, 1547-1554.	7.3	131
16	Defects regulating of graphene ink for electrochemical determination of ascorbic acid, dopamine and uric acid. Talanta, 2018, 180, 248-253.	2.9	124
17	Enhanced thermal conductivity of polydimethylsiloxane composites with carbon fiber. Composites Communications, 2020, 17, 141-146.	3.3	124
18	MXene/Polymer Nanocomposites: Preparation, Properties, and Applications. Polymer Reviews, 2021, 61, 80-115.	5.3	123

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19	Preparation of hyperbranched aromatic polyamide grafted nanoparticles for thermal properties reinforcement of epoxy composites. Polymer Chemistry, 2011, 2, 1380.	1.9	117
20	Highly thermal conductive polymer composites via constructing micro-phragmites communis structured carbon fibers. Chemical Engineering Journal, 2019, 375, 121921.	6.6	115
21	Graphene woven fabric-reinforced polyimide films with enhanced and anisotropic thermal conductivity. Composites Part A: Applied Science and Manufacturing, 2016, 87, 290-296.	3.8	108
22	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. Advanced Science, 2021, 8, 2003734.	5.6	108
23	Exceptionally high thermal and electrical conductivity of three-dimensional graphene-foam-based polymer composites. RSC Advances, 2016, 6, 22364-22369.	1.7	105
24	Enhanced thermal conductivity of epoxy composites filled with silicon carbide nanowires. Scientific Reports, 2017, 7, 2606.	1.6	105
25	Graphene foam-embedded epoxy composites with significant thermal conductivity enhancement. Nanoscale, 2019, 11, 17600-17606.	2.8	105
26	Enhanced Thermal Conductivity of Epoxy Composites Filled with 2D Transition Metal Carbides (MXenes) with Ultralow Loading. Scientific Reports, 2019, 9, 9135.	1.6	104
27	Influence of interface structure on dielectric properties of epoxy/alumina nanocomposites. Macromolecular Research, 2012, 20, 816-826.	1.0	100
28	Enhanced Thermal Conductivity of Polyimide Composites with Boron Nitride Nanosheets. Scientific Reports, 2018, 8, 1557.	1.6	96
29	Ultrahigh Energy Storage Performance of Layered Polymer Nanocomposites over a Broad Temperature Range. Advanced Materials, 2021, 33, e2103338.	11.1	96
30	Soft and Selfâ€Adhesive Thermal Interface Materials Based on Vertically Aligned, Covalently Bonded Graphene Nanowalls for Efficient Microelectronic Cooling. Advanced Functional Materials, 2021, 31, 2104062.	7.8	95
31	Polymer/boron nitride nanosheet composite with high thermal conductivity and sufficient dielectric strength. Polymers for Advanced Technologies, 2015, 26, 514-520.	1.6	89
32	Graphene size-dependent modulation of graphene frameworks contributing to the superior thermal conductivity of epoxy composites. Journal of Materials Chemistry A, 2018, 6, 12091-12097.	5.2	88
33	Flammability, thermal stability and mechanical properties of polyvinyl alcohol nanocomposites reinforced with delaminated Ti₃C₂T_x (MXene). Polymer Composites, 2020, 41, 210-218.	2.3	84
34	Enhanced thermal conductivity of poly(vinylidene fluoride)/boron nitride nanosheet composites at low filler content. Composites Part A: Applied Science and Manufacturing, 2018, 109, 321-329.	3.8	83
35	Extremely high thermal conductivity of carbon fiber/epoxy with synergistic effect of MXenes by freeze-drying. Composites Communications, 2020, 19, 134-141.	3.3	81
36	A glassy carbon electrode modified with N-doped carbon dots for improved detection of hydrogen peroxide and paracetamol. Mikrochimica Acta, 2018, 185, 87.	2.5	80

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37	High-Thermal-Transport-Channel Construction within Flexible Composites via the Welding of Boron Nitride Nanosheets. ACS Applied Nano Materials, 2019, 2, 360-368.	2.4	78
38	Graphene nanocomposites based on poly(vinylidene fluoride): Structure and properties. Polymer Composites, 2011, 32, 1483-1491.	2.3	77
39	Stress induced carbon fiber orientation for enhanced thermal conductivity of epoxy composites. Composites Part B: Engineering, 2021, 208, 108599.	5.9	76
40	Lycoris species identification and infrageneric relationship investigation via graphene enhanced electrochemical fingerprinting of pollen. Sensors and Actuators B: Chemical, 2019, 298, 126836.	4.0	75
41	Tailoring Highly Ordered Graphene Framework in Epoxy for High-Performance Polymer-Based Heat Dissipation Plates. ACS Nano, 2021, 15, 12922-12934.	7.3	75
42	Cotton Candy-Templated Fabrication of Three-Dimensional Ceramic Pathway within Polymer Composite for Enhanced Thermal Conductivity. ACS Applied Materials & Interfaces, 2019, 11, 44700-44707.	4.0	74
43	Ultrahigh discharge efficiency and improved energy density in polymer-based nanocomposite for high-temperature capacitors application. Composites Part A: Applied Science and Manufacturing, 2021, 142, 106266.	3.8	73
44	Rational design of graphene/polymer composites with excellent electromagnetic interference shielding effectiveness and high thermal conductivity: a mini review. Journal of Materials Science and Technology, 2022, 117, 238-250.	5.6	72
45	An electrochemical method for plant species determination and classification based on fingerprinting petal tissue. Bioelectrochemistry, 2019, 129, 199-205.	2.4	71
46	Highly flexible biodegradable cellulose nanofiber/graphene heat-spreader films with improved mechanical properties and enhanced thermal conductivity. Journal of Materials Chemistry C, 2018, 6, 12739-12745.	2.7	69
47	In Situ High-Pressure X-ray Diffraction and Raman Spectroscopy Study of Ti3C2Tx MXene. Nanoscale Research Letters, 2018, 13, 343.	3.1	67
48	Enhanced electrochemical voltammetric fingerprints for plant taxonomic sensing. Biosensors and Bioelectronics, 2018, 120, 102-107.	5.3	67
49	Enhanced thermal conductivity and retained electrical insulation of heat spreader by incorporating alumina-deposited graphene filler in nano-fibrillated cellulose. Composites Part B: Engineering, 2019, 178, 107489.	5.9	67
50	Development of an electrochemical biosensor for phylogenetic analysis of Amaryllidaceae based on the enhanced electrochemical fingerprint recorded from plant tissue. Biosensors and Bioelectronics, 2020, 159, 112212.	5.3	66
51	Mechanical and thermal properties of epoxy composites containing graphene oxide and liquid crystalline epoxy. Fibers and Polymers, 2014, 15, 326-333.	1.1	63
52	Enhancing the thermal and mechanical properties of epoxy resins by addition of a hyperbranched aromatic polyamide grown on microcrystalline cellulose fibers. RSC Advances, 2014, 4, 14928.	1.7	62
53	Epoxy composites with high cross-plane thermal conductivity by constructing all-carbon multidimensional carbon fiber/graphite networks. Composites Science and Technology, 2021, 203, 108610.	3.8	60
54	Epoxy nanocomposites filled with thermotropic liquid crystalline epoxy grafted graphene oxide. RSC Advances, 2013, 3, 8915.	1.7	57

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55	Effective thermal transport highway construction within dielectric polymer composites via a vacuum-assisted infiltration method. Journal of Materials Chemistry C, 2018, 6, 6494-6501.	2.7	57
56	Enhanced thermal conductivity for poly(vinylidene fluoride) composites with nano-carbon fillers. RSC Advances, 2016, 6, 68357-68362.	1.7	55
57	Boron nitride nanosheet nanofluids for enhanced thermal conductivity. Nanoscale, 2018, 10, 13004-13010.	2.8	54
58	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. Chemical Engineering Journal, 2021, 419, 129609.	6.6	54
59	Enhanced Electromagnetic Shielding and Thermal Conductive Properties of Polyolefin Composites with a Ti₃C₂T_x MXene/Graphene Framework Connected by a Hydrogen-Bonded Interface. ACS Nano, 2022, 16, 9254-9266.	7.3	54
60	Thermal and electrical properties of epoxy composites at high alumina loadings and various temperatures. Iranian Polymer Journal (English Edition), 2013, 22, 61-73.	1.3	53
61	Enhanced thermal conductivity for PVDF composites with a hybrid functionalized graphene sheet-nanodiamond filler. Fibers and Polymers, 2013, 14, 1317-1323.	1.1	53
62	In situ growth of metal nanoparticles on boron nitride nanosheets as highly efficient catalysts. Journal of Materials Chemistry A, 2016, 4, 19107-19115.	5.2	52
63	Enhanced thermal properties in a hybrid grapheneâ€“alumina filler for epoxy composites. RSC Advances, 2015, 5, 35773-35782.	1.7	51
64	Enhanced thermal and mechanical properties of epoxy composites by mixing noncovalently functionalized graphene sheets. Polymer Bulletin, 2015, 72, 453-472.	1.7	50
65	Enhanced mechanical and thermal properties of epoxy with hyperbranched polyester grafted perylene diimide. RSC Advances, 2015, 5, 3177-3186.	1.7	47
66	Combining Alumina Particles with Three-Dimensional Alumina Foam for High Thermally Conductive Epoxy Composites. ACS Applied Polymer Materials, 2021, 3, 216-225.	2.0	45
67	Electrochemical antioxidant screening based on a chitosan hydrogel. Bioelectrochemistry, 2018, 121, 7-10.	2.4	43
68	Electrochemical Sex Determination of Dioecious Plants Using Polydopamine-Functionalized Graphene Sheets. Frontiers in Chemistry, 2020, 8, 92.	1.8	43
69	Cellulosic scaffolds doped with boron nitride nanosheets for shape-stabilized phase change composites with enhanced thermal conductivity. International Journal of Biological Macromolecules, 2020, 148, 627-634.	3.6	42
70	Enhanced thermal conductivity of epoxy composites filled with tetrapod-shaped ZnO. RSC Advances, 2018, 8, 12337-12343.	1.7	41
71	Enhanced thermal and mechanical properties of polyimide/graphene composites. Macromolecular Research, 2014, 22, 983-989.	1.0	40
72	Efficient Thermal Transport Highway Construction Within Epoxy Matrix via Hybrid Carbon Fibers and Alumina Particles. ACS Omega, 2020, 5, 1170-1177.	1.6	39

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73	Highly thermally conductive polymer composites with barnacle-like nano-crystalline Diamond@Silicon carbide hybrid architecture. Composites Part B: Engineering, 2020, 198, 108167.	5.9	39
74	Highly Conductive 3D Segregated Graphene Architecture in Polypropylene Composite with Efficient EMI Shielding. Polymers, 2017, 9, 662.	2.0	38
75	Highly flexible few-layer Ti₃C₂ MXene/cellulose nanofiber heat-spreader films with enhanced thermal conductivity. New Journal of Chemistry, 2020, 44, 7186-7193.	1.4	38
76	Excellent tribological properties of epoxyâ€”Ti3C2 with three-dimensional nanosheets composites. Friction, 2021, 9, 734-746.	3.4	36
77	Unprecedented enhancement of wear resistance for epoxy-resin graphene composites. Nanoscale, 2021, 13, 2855-2867.	2.8	34
78	Enhanced thermal and mechanical properties of lignin/polypropylene wood-plastic composite by using flexible segment-containing reactive compatibilizer. Macromolecular Research, 2014, 22, 1084-1089.	1.0	32
79	Effect of different sizes of graphene on thermal transport performance of graphene paper. Composites Communications, 2017, 5, 46-53.	3.3	32
80	Efficient thermal properties enhancement to hyperbranched aromatic polyamide grafted aluminum nitride in epoxy composites. Polymers for Advanced Technologies, 2013, 24, 348-356.	1.6	31
81	Improving thermal and mechanical properties of epoxy composites by using functionalized graphene. RSC Advances, 2015, 5, 60596-60607.	1.7	31
82	Preparation, Properties and Mechanisms of Carbon Fiber/Polymer Composites for Thermal Management Applications. Polymers, 2021, 13, 169.	2.0	31
83	Synergistic effect of carbon fiber and graphite on reducing thermal resistance of thermal interface materials. Composites Science and Technology, 2021, 212, 108883.	3.8	31
84	In Situ TEM Study of Interaction between Dislocations and a Single Nanotwin under Nanoindentation. ACS Applied Materials & Interfaces, 2017, 9, 29451-29456.	4.0	30
85	Ultrahigh chargeâ€“discharge efficiency and high energy density of a high-temperature stable sandwich-structured polymer. Journal of Materials Chemistry A, 2022, 10, 1579-1587.	5.2	30
86	Influence of alumina content and thermal treatment on the thermal conductivity of UPE/Al₂O₃ composite. Journal of Applied Polymer Science, 2014, 131, .	1.3	29
87	Anisotropic thermal conductive properties of cigarette filter-templated graphene/epoxy composites. RSC Advances, 2018, 8, 1065-1070.	1.7	29
88	Recent developments on epoxy-based syntactic foams for deep sea exploration. Journal of Materials Science, 2021, 56, 2037-2076.	1.7	29
89	Ultrahigh energy storage performance of a polymer-based nanocomposite via interface engineering. Journal of Materials Chemistry A, 2021, 9, 3530-3539.	5.2	29
90	Improving thermal conductivity of poly(vinyl alcohol) composites by using functionalized nanodiamond. Composites Communications, 2021, 23, 100596.	3.3	29

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91	Crystallization induced realignment of carbon fibers in a phase change material to achieve exceptional thermal transportation properties. Journal of Materials Chemistry A, 2022, 10, 593-601.	5.2	29
92	Epoxy Composites with High Thermal Conductivity by Constructing Three-Dimensional Carbon Fiber/Carbon/Nickel Networks Using an Electroplating Method. ACS Omega, 2021, 6, 19238-19251.	1.6	27
93	Enhanced thermal properties of epoxy composites by using hyperbranched aromatic polyamide grafted silicon carbide whiskers. Macromolecular Research, 2014, 22, 405-411.	1.0	26
94	Epoxy composites filled with one-dimensional SiC nanowiresâ€“two-dimensional graphene nanoplatelets hybrid nanofillers. RSC Advances, 2014, 4, 59409-59417.	1.7	26
95	Enhanced thermal conductivity of epoxy composites with coreâ€shell SiC@SiO ₂ nanowires. High Voltage, 2017, 2, 154-160.	2.7	25
96	Unprecedented arsenic photo-oxidation behavior of few- and multi-layer Ti3C2Tx nano-sheets. Applied Materials Today, 2020, 20, 100769.	2.3	25
97	The effect of hyperbranched polymer lubricant as a compatibilizer on the structure and properties of lignin/polypropylene composites. Wood Material Science and Engineering, 2013, 8, 159-165.	1.1	23
98	Enhanced thermal properties for epoxy composites with a three-dimensional graphene oxide filler. Fibers and Polymers, 2015, 16, 2617-2626.	1.1	23
99	One recombinant C-type lectin (LvLec) from white shrimp Litopenaeus vannamei affected the haemocyte immune response in vitro. Fish and Shellfish Immunology, 2019, 89, 35-42.	1.6	23
100	Achieving highly thermal conductivity of polymer composites by adding hybrid silverâ€“carbon fiber fillers. Composites Communications, 2022, 31, 101129.	3.3	23
101	Robust composite film with high thermal conductivity and excellent mechanical properties by constructing a long-range ordered sandwich structure. Journal of Materials Chemistry A, 2022, 10, 9922-9931.	5.2	20
102	Constructing a â€œPearl-Necklace-Likeâ€•architecture for enhancing thermal conductivity of composite films by electrospinning. Composites Communications, 2022, 29, 101036.	3.3	19
103	Preparation and Investigation of Epoxy Syntactic Foam (Epoxy/Graphite Reinforced Hollow Epoxy) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	18
104	Enhanced tribological properties of aligned graphene-epoxy composites. Friction, 2022, 10, 854-865.	3.4	18
105	Surface Modification Using Polydopamine-Coated Liquid Metal Nanocapsules for Improving Performance of Graphene Paper-Based Thermal Interface Materials. Nanomaterials, 2021, 11, 1236.	1.9	17
106	Relationship between graphene and pedosphere: A scientometric analysis. Chemosphere, 2022, 300, 134599.	4.2	17
107	Enhanced thermal conductivity for polydimethylsiloxane composites with core-shell CFs@SiC filler. Composites Communications, 2022, 33, 101209.	3.3	17
108	Enhanced thermal and mechanical properties of polyimide composites by mixing thermotropic liquid crystalline epoxy grafted aluminum nitride. Journal of Polymer Research, 2014, 21, 1.	1.2	16

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109	Enhanced thermal and mechanical properties of liquid crystalline-grafted graphene oxide-filled epoxy composites. Polymer Bulletin, 2017, 74, 1611-1627.	1.7	16
110	Thermal and corrosion behavior of Ti3C2/Copper composites. Composites Communications, 2020, 22, 100498.	3.3	16
111	Rational design of high-performance thermal interface materials based on gold-nanocap-modified vertically aligned graphene architecture. Composites Communications, 2021, 24, 100621.	3.3	16
112	A mini review: application of graphene paper in thermal interface materials. New Carbon Materials, 2021, 36, 930-938.	2.9	16
113	Constructing Tanghulu-like Diamond@Silicon carbide nanowires for enhanced thermal conductivity of polymer composite. Composites Communications, 2022, 29, 101008.	3.3	16
114	Crystal structure transformation and dielectric properties of polymer composites incorporating zinc oxide nanorods. Macromolecular Research, 2014, 22, 19-25.	1.0	15
115	Enhanced thermal and mechanical properties of polypropylene composites with hyperbranched polyester grafted sisal microcrystalline. Fibers and Polymers, 2016, 17, 2153-2161.	1.1	15
116	Graphdiyne for significant thermal conductivity enhancement at ultralow mass fraction in polymer composites. 2D Materials, 2020, 7, 035007.	2.0	14
117	Ice-templated graphene in-situ loaded boron nitride aerogels for polymer nanocomposites with high thermal management capability. Composites Part A: Applied Science and Manufacturing, 2022, 159, 107005.	3.8	14
118	Graphene as a nanofiller for enhancing the tribological properties and thermal conductivity of base grease. RSC Advances, 2019, 9, 42481-42488.	1.7	13
119	3D Thermal Network Supported by CF Felt for Improving the Thermal Performance of CF/C/Epoxy Composites. Polymers, 2021, 13, 980.	2.0	13
120	Analysis of coumarin in food and plant tissue without extraction based on voltammetry of microparticles. Journal of Food Measurement and Characterization, 2021, 15, 5439-5444.	1.6	13
121	Aluminum Borate/Boron Nitride Nanosheet Fibers for Enhancing the Thermal Conductivity of Polymer Composites. ACS Applied Nano Materials, 2021, 4, 2136-2142.	2.4	12
122	Early sex determination of Ginkgo biloba based on the differences in the electrocatalytic performance of extracted peroxidase. Bioelectrochemistry, 2021, 140, 107829.	2.4	12
123	Electrochemical Enantiomer Recognition Based on sp3-to-sp2 Converted Regenerative Graphene/Diamond Electrode. Nanomaterials, 2018, 8, 1050.	1.9	11
124	A Spiral Graphene Framework Containing Highly Ordered Graphene Microtubes for Polymer Composites with Superior <scp>Throughâ€Plane</scp> Thermal Conductivity. Chinese Journal of Chemistry, 2022, 40, 329-336.	2.6	11
125	Enhanced thermal and mechanical properties of epoxy composites by addition of hyperbranched polyglycerol grown on cellulose fibers. Journal of Polymer Research, 2016, 23, 1.	1.2	10
126	Enhanced thermal transport performance for poly(vinylidene fluoride) composites with superfullerene. Fibers and Polymers, 2017, 18, 1180-1186.	1.1	10

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127	Effect of epoxidized soybean oil grafted poly(12-hydroxy stearate) on mechanical and thermal properties of microcrystalline cellulose fibers/polypropylene composites. Polymer Bulletin, 2017, 74, 911-930.	1.7	10
128	Development and Mechanical Characterization of HGMSâ€“EHS-Reinforced Hollow Glass Bead Composites. ACS Omega, 2020, 5, 6725-6737.	1.6	10
129	Î²-Cyclodextrin-Immobilized Ni/Graphene Electrode for Electrochemical Enantiorecognition of Phenylalanine. Materials, 2020, 13, 777.	1.3	10
130	Enhanced thermal transportation across an electrostatic self-assembly of black phosphorene and boron nitride nanosheets in flexible composite films. Nanoscale, 2022, 14, 9743-9753.	2.8	10
131	Tailoring Thermal Transport Properties of Graphene Paper by Structural Engineering. Scientific Reports, 2019, 9, 4549.	1.6	9
132	High Thermal Conductivity and Anisotropy Values of Aligned Graphite Flakes/Copper Foil Composites. Materials, 2020, 13, 46.	1.3	9
133	Preparation and Mechanical Properties of Carbon Fiber Reinforced Multiphase Epoxy Syntactic Foam (CF-R-Epoxy/HGMS/CFR-HEMS Foam). ACS Omega, 2020, 5, 14133-14146.	1.6	9
134	Epoxy composite with high thermal conductivity by constructing 3D-oriented carbon fiber and BN network structure. RSC Advances, 2021, 11, 25422-25430.	1.7	9
135	Constructing a three-dimensional nano-crystalline diamond network within polymer composites for enhanced thermal conductivity. Nanoscale, 2021, 13, 18657-18664.	2.8	9
136	Improved thermal properties of epoxy composites filled with thermotropic liquid crystalline epoxy grafted aluminum nitride. Fibers and Polymers, 2014, 15, 2581-2590.	1.1	8
137	Wear and mechanical properties of reactive thermotropic liquid crystalline polymer/unsaturated polyester/glass fiber hybrid composites. Journal of Applied Polymer Science, 2007, 103, 3899-3906.	1.3	7
138	A Combined Self-Consistent Method to Estimate the Effective Properties of Polypropylene/Calcium Carbonate Composites. Polymers, 2018, 10, 101.	2.0	7
139	The enhanced thermal transport properties of a heat spreader assembled using non-covalent functionalized graphene. New Journal of Chemistry, 2020, 44, 9337-9343.	1.4	7
140	Polyethylene Glycolâ€“Calcium Chloride Phase Change Materials with High Thermal Conductivity and Excellent Shape Stability by Introducing Three-Dimensional Carbon/Carbon Fiber Felt. ACS Omega, 2021, 6, 33033-33045.	1.6	7
141	High-Performance TPE-S Modified by a Flame-Retardant System Based on Black Phosphorus Nanosheets. ACS Omega, 2022, 7, 4224-4233.	1.6	7
142	Two-Dimensional Hexagonal Boron Nitride Nanosheets as Lateral Heat Spreader With High Thermal Conductivity. Frontiers in Materials, 2022, 8, .	1.2	7
143	An analytical study of mechanical behavior of polypropylene/calcium carbonate composites under uniaxial tension and three-point bending. Composite Structures, 2017, 171, 370-381.	3.1	6
144	Enhanced mechanical and thermal properties of polypropylene/cellulose fibers composites with modified tannic as a compatibilizer. Polymer Composites, 2018, 39, 2036-2045.	2.3	6

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145	A dense graphene monolith with poloxamer prefunctionalization enabling aqueous redispersion to obtain solubilized graphene sheets. Chinese Chemical Letters, 2020, 31, 2507-2511.	4.8	6
146	Carbon nano-onions as a nanofiller for enhancing thermal conductivity of epoxy composites. Applied Nanoscience (Switzerland), 2023, 13, 483-491.	1.6	6
147	Efficient thermal transport network construction within epoxy composites with hybrid ceramic fillers. Composites Communications, 2021, 28, 100943.	3.3	6
148	Modulation by biogenic amines for the hemocyte count and prophenoloxidase exocytosis via receptors in Litopenaeus vannamei. Journal of Ocean University of China, 2011, 10, 425-432.	0.6	5
149	Improving Corrosion Protection and Friction Resistance of Q235 Steel by Combining Noncovalent Action and Rotating Coating Method. ACS Omega, 2021, 6, 7434-7443.	1.6	5
150	Black phosphorene-cellulose nanofiber hybrid paper as flexible heat spreader. 2D Materials, 2021, 8, 045029.	2.0	5
151	Enhanced Thermal Conductivity of Polymer Composite by Adding Fishbone-like Silicon Carbide. Nanomaterials, 2021, 11, 2891.	1.9	5
152	The injection of one recombinant C-type lectin (LvLec) induced the immune response of hemocytes in Litopenaeus vannamei. Fish and Shellfish Immunology, 2022, 124, 324-331.	1.6	5
153	Significant enhancement of corrosion resistance of stainless steel with nanostructured carbon coatings by substrate-catalytic CVD. Applied Nanoscience (Switzerland), 2021, 11, 725-733.	1.6	4
154	Carbon Fiber Reinforced Multi-Phase Epoxy Syntactic Foam (CFR-Epoxy-Hardener/HGMS/Aerogel-R-Hollow Epoxy Macrosphere(AR-HEMS)). Polymers, 2021, 13, 683.	2.0	4
155	Flexible MXene/copper/cellulose nanofiber heat spreader films with enhanced thermal conductivity. Nanotechnology Reviews, 2022, 11, 1583-1591.	2.6	4
156	Thermal conductivity and dielectric properties of epoxy composites with hyperbranched polymer modified boron nitride nanoplatelets. , 2012, , .		3
157	High thermal conductivity and low leakage phase change materials filled with three-dimensional carbon fiber network. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-10.	1.0	3
158	A study of preparation and properties of epoxy resin/carbon fiber/phenolic residual carbon composites with adjustable negative permittivity behavior. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 675-682.	1.0	3
159	Influence of interface chemistry on dielectric properties of epoxy/alumina nanocomposites. , 2015, , .		2
160	Study on Preparation and Properties of Ultrahigh Molecular Weight Polyethylene Composites Filled with Different Carbon Materials. ACS Omega, 2022, 7, 5547-5557.	1.6	2
161	Fabrication and Study on Thermal Conductivity, Electrical Properties, and Mechanical Properties of the Lightweight Carbon/Carbon Fiber Composite. Journal of Chemistry, 2020, 2020, 1-15.	0.9	1
162	Fabrication and Mechanical Performance of Glass Fiber Reinforced, Threeâ€phase, Epoxy Syntactic Foam. ChemistrySelect, 2022, 7, .	0.7	0