Jinhong Yu

List of Publications by Year in Descending Order

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	High-Performance TPE-S Modified by a Flame-Retardant System Based on Black Phosphorus Nanosheets.. *ACS Omega*, **2022**, 7, 4224-4233	3.9	0
153	Ultrahigh charge–discharge efficiency and high energy density of a high-temperature stable sandwich-structured polymer. *Journal of Materials Chemistry A*, **2022**, 10, 1579-1587	13	3
152	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	13	4
151	Study on Preparation and Properties of Ultrahigh Molecular Weight Polyethylene Composites Filled with Different Carbon Materials.. *ACS Omega*, **2022**, 7, 5547-5557	3.9	0
150	Constructing Tanghulu-like Diamond@Silicon carbide nanowires for enhanced thermal conductivity of polymer composite. *Composites Communications*, **2022**, 29, 101008	6.7	4
149	Constructing a "Pearl-Necklace-Like" architecture for enhancing thermal conductivity of composite films by electrospinning. *Composites Communications*, **2022**, 29, 101036	6.7	1
148	Achieving highly thermal conductivity of polymer composites by adding hybrid silver–carbon fiber fillers. *Composites Communications*, **2022**, 31, 101129	6.7	1
147	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	9.1	2
146	Flexible MXene/copper/cellulose nanofiber heat spreader films with enhanced thermal conductivity. *Nanotechnology Reviews*, **2022**, 11, 1583-1591	6.3	0
145	Relationship between graphene and pedosphere: A scientometric analysis.. *Chemosphere*, **2022**, 300, 134599	8.4	4
144	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**, 107005	8.4	0
143	Polyethylene Glycol-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	3.9	1
142	Constructing a three-dimensional nano-crystalline diamond network within polymer composites for enhanced thermal conductivity. *Nanoscale*, **2021**, 13, 18657-18664	7.7	1
141	A mini review: application of graphene paper in thermal interface materials. *New Carbon Materials*, **2021**, 36, 930-938	4.4	5
140	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. *ACS Nano*, **2021**, 15, 6489-6498	16.7	60
139	3D Thermal Network Supported by CF Felt for Improving the Thermal Performance of CF/C/Epoxy Composites. *Polymers*, **2021**, 13,	4.5	8
138	Stress induced carbon fiber orientation for enhanced thermal conductivity of epoxy composites. *Composites Part B: Engineering*, **2021**, 208, 108599	10	27

137	Rational design of high-performance thermal interface materials based on gold-nanocap-modified vertically aligned graphene architecture. *Composites Communications*, **2021**, 24, 100621	6.7	9
136	Surface Modification Using Polydopamine-Coated Liquid Metal Nanocapsules for Improving Performance of Graphene Paper-Based Thermal Interface Materials. *Nanomaterials*, **2021**, 11,	5.4	6
135	Soft and Self-Adhesive Thermal Interface Materials Based on Vertically Aligned, Covalently Bonded Graphene Nanowalls for Efficient Microelectronic Cooling. *Advanced Functional Materials*, **2021**, 31, 2104062	15.6	25
134	Excellent tribological properties of epoxy□i3C2 with three-dimensional nanosheets composites. *Friction*, **2021**, 9, 734-746	5.6	15
133	MXene/Polymer Nanocomposites: Preparation, Properties, and Applications. *Polymer Reviews*, **2021**, 61, 80-115	14	56
132	Recent developments on epoxy-based syntactic foams for deep sea exploration. *Journal of Materials Science*, **2021**, 56, 2037-2076	4.3	11
131	Epoxy composites with high cross-plane thermal conductivity by constructing all-carbon multidimensional carbon fiber/graphite networks. *Composites Science and Technology*, **2021**, 203, 108610	8.6	23
130	Combining Alumina Particles with Three-Dimensional Alumina Foam for High Thermally Conductive Epoxy Composites. *ACS Applied Polymer Materials*, **2021**, 3, 216-225	4.3	14
129	Significant enhancement of corrosion resistance of stainless steel with nanostructured carbon coatings by substrate-catalytic CVD. *Applied Nanoscience (Switzerland)*, **2021**, 11, 725-733	3.3	1
128	Unprecedented enhancement of wear resistance for epoxy-resin graphene composites. *Nanoscale*, **2021**, 13, 2855-2867	7.7	15
127	Ultrahigh energy storage performance of a polymer-based nanocomposite via interface engineering. *Journal of Materials Chemistry A*, **2021**, 9, 3530-3539	13	16
126	Preparation, Properties and Mechanisms of Carbon Fiber/Polymer Composites for Thermal Management Applications. *Polymers*, **2021**, 13,	4.5	11
125	Improving thermal conductivity of poly(vinyl alcohol) composites by using functionalized nanodiamond. *Composites Communications*, **2021**, 23, 100596	6.7	14
124	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. *Advanced Science*, **2021**, 8, 2003734	13.6	38
123	Carbon Fiber Reinforced Multi-Phase Epoxy Syntactic Foam (CFR-Epoxy-Hardener/HGMS/Aerogel-R-Hollow Epoxy Macrosphere(AR-HEMS)). *Polymers*, **2021**, 13,	4.5	2
122	Aluminum Borate/Boron Nitride Nanosheet Fibers for Enhancing the Thermal Conductivity of Polymer Composites. *ACS Applied Nano Materials*, **2021**, 4, 2136-2142	5.6	5
121	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	8.4	28
120	Improving Corrosion Protection and Friction Resistance of Q235 Steel by Combining Noncovalent Action and Rotating Coating Method. *ACS Omega*, **2021**, 6, 7434-7443	3.9	2

119	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	3.9	8
118	Tailoring Highly Ordered Graphene Framework in Epoxy for High-Performance Polymer-Based Heat Dissipation Plates. *ACS Nano*, **2021**,	16.7	21
117	Early sex determination of Ginkgo biloba based on the differences in the electrocatalytic performance of extracted peroxidase. *Bioelectrochemistry*, **2021**, 140, 107829	5.6	4
116	Synergistic effect of carbon fiber and graphite on reducing thermal resistance of thermal interface materials. *Composites Science and Technology*, **2021**, 212, 108883	8.6	14
115	Analysis of coumarin in food and plant tissue without extraction based on voltammetry of microparticles. *Journal of Food Measurement and Characterization*, **2021**, 15, 5439	2.8	4
114	Ultrahigh Energy Storage Performance of Layered Polymer Nanocomposites over a Broad Temperature Range. *Advanced Materials*, **2021**, 33, e2103338	24	30
113	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. *Chemical Engineering Journal*, **2021**, 419, 129609	14.7	22
112	Black phosphorene-cellulose nanofiber hybrid paper as flexible heat spreader. *2D Materials*, **2021**, 8, 045029	5.9	2
111	Efficient thermal transport network construction within epoxy composites with hybrid ceramic fillers. *Composites Communications*, **2021**, 28, 100943	6.7	2
110	Epoxy composite with high thermal conductivity by constructing 3D-oriented carbon fiber and BN network structure.. *RSC Advances*, **2021**, 11, 25422-25430	3.7	1
109	Thermal and corrosion behavior of Ti3C2/Copper composites. *Composites Communications*, **2020**, 22, 100498	6.7	8
108	Development and Mechanical Characterization of HGMS-EHS-Reinforced Hollow Glass Bead Composites. *ACS Omega*, **2020**, 5, 6725-6737	3.9	4
107	The enhanced thermal transport properties of a heat spreader assembled using non-covalent functionalized graphene. *New Journal of Chemistry*, **2020**, 44, 9337-9343	3.6	6
106	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	3.9	4
105	Highly thermally conductive polymer composites with barnacle-like nano-crystalline Diamond@Silicon carbide hybrid architecture. *Composites Part B: Engineering*, **2020**, 198, 108167	10	21
104	Graphdiyne for significant thermal conductivity enhancement at ultralow mass fraction in polymer composites. *2D Materials*, **2020**, 7, 035007	5.9	10
103	Electrochemical Sex Determination of Dioecious Plants Using Polydopamine-Functionalized Graphene Sheets. *Frontiers in Chemistry*, **2020**, 8, 92	5	13
102	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	7.9	22

101	A dense graphene monolith with poloxamer prefunctionalization enabling aqueous redispersion to obtain solubilized graphene sheets. *Chinese Chemical Letters*, **2020**, 31, 2507-2511	8.1	4
100	Extremely high thermal conductivity of carbon fiber/epoxy with synergistic effect of MXenes by freeze-drying. *Composites Communications*, **2020**, 19, 134-141	6.7	45
99	Highly flexible few-layer Ti3C2 MXene/cellulose nanofiber heat-spreader films with enhanced thermal conductivity. *New Journal of Chemistry*, **2020**, 44, 7186-7193	3.6	25
98	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	11.8	20
97	-Cyclodextrin-Immobilized Ni/Graphene Electrode for Electrochemical Enantiorecognition of Phenylalanine. *Materials*, **2020**, 13,	3.5	4
96	Efficient Thermal Transport Highway Construction Within Epoxy Matrix via Hybrid Carbon Fibers and Alumina Particles. *ACS Omega*, **2020**, 5, 1170-1177	3.9	18
95	Highly thermal conductive and electrical insulating polymer composites with boron nitride. *Composites Part B: Engineering*, **2020**, 184, 107746	10	78
94	Enhanced thermal conductivity of polydimethylsiloxane composites with carbon fiber. *Composites Communications*, **2020**, 17, 141-146	6.7	61
93	Unprecedented arsenic photo-oxidation behavior of few- and multi-layer Ti3C2Tx nano-sheets. *Applied Materials Today*, **2020**, 20, 100769	6.6	13
92	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	2.3	0
91	Constructing a pea-pod-like alumina-graphene binary architecture for enhancing thermal conductivity of epoxy composite. *Chemical Engineering Journal*, **2020**, 381, 122690	14.7	86
90	Flammability, thermal stability and mechanical properties of polyvinyl alcohol nanocomposites reinforced with delaminated Ti3C2Tx (MXene). *Polymer Composites*, **2020**, 41, 210-218	3	43
89	Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. *ACS Nano*, **2019**, 13, 11561-11571	16.7	117
88	An electrochemical method for plant species determination and classification based on fingerprinting petal tissue. *Bioelectrochemistry*, **2019**, 129, 199-205	5.6	21
87	Highly thermal conductive polymer composites via constructing micro-phragmites communis structured carbon fibers. *Chemical Engineering Journal*, **2019**, 375, 121921	14.7	67
86	Graphene foam-embedded epoxy composites with significant thermal conductivity enhancement. *Nanoscale*, **2019**, 11, 17600-17606	7.7	68
85	Enhanced Thermal Conductivity of Epoxy Composites Filled with 2D Transition Metal Carbides (MXenes) with Ultralow Loading. *Scientific Reports*, **2019**, 9, 9135	4.9	50
84	Tailoring Thermal Transport Properties of Graphene Paper by Structural Engineering. *Scientific Reports*, **2019**, 9, 4549	4.9	5

83	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	4.3	16
82	A Paper-Like Inorganic Thermal Interface Material Composed of Hierarchically Structured Graphene/Silicon Carbide Nanorods. *ACS Nano*, **2019**, 13, 1547-1554	16.7	93
81	Lycoris species identification and infrageneric relationship investigation via graphene enhanced electrochemical fingerprinting of pollen. *Sensors and Actuators B: Chemical*, **2019**, 298, 126836	8.5	35
80	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	10	45
79	Cotton Candy-Templated Fabrication of Three-Dimensional Ceramic Pathway within Polymer Composite for Enhanced Thermal Conductivity. *ACS Applied Materials & Interfaces*, **2019**, 11, 44700-44707	9.5	41
78	High Thermal Conductivity and Anisotropy Values of Aligned Graphite Flakes/Copper Foil Composites. *Materials*, **2019**, 13,	3.5	3
77	Graphene as a nanofiller for enhancing the tribological properties and thermal conductivity of base grease.. *RSC Advances*, **2019**, 9, 42481-42488	3.7	5
76	High-Thermal-Transport-Channel Construction within Flexible Composites via the Welding of Boron Nitride Nanosheets. *ACS Applied Nano Materials*, **2019**, 2, 360-368	5.6	54
75	Preparation and Investigation of Epoxy Syntactic Foam (Epoxy/Graphite Reinforced Hollow Epoxy Macrosphere/Hollow Glass Microsphere Composite). *Fibers and Polymers*, **2018**, 19, 170-187	2	14
74	Enhanced mechanical and thermal properties of polypropylene/cellulose fibers composites with modified tannic as a compatibilizer. *Polymer Composites*, **2018**, 39, 2036-2045	3	4
73	Boron nitride nanosheet nanofluids for enhanced thermal conductivity. *Nanoscale*, **2018**, 10, 13004-13010	7.7	40
72	Enhanced Thermal Conductivity of Polyimide Composites with Boron Nitride Nanosheets. *Scientific Reports*, **2018**, 8, 1557	4.9	61
71	Defects regulating of graphene ink for electrochemical determination of ascorbic acid, dopamine and uric acid. *Talanta*, **2018**, 180, 248-253	6.2	64
70	A glassy carbon electrode modified with N-doped carbon dots for improved detection of hydrogen peroxide and paracetamol. *Mikrochimica Acta*, **2018**, 185, 87	5.8	41
69	Anisotropic thermal conductive properties of cigarette filter-templated graphene/epoxy composites.. *RSC Advances*, **2018**, 8, 1065-1070	3.7	19
68	Electrochemical antioxidant screening based on a chitosan hydrogel. *Bioelectrochemistry*, **2018**, 121, 7-10	5.6	19
67	Enhanced thermal conductivity of epoxy composites filled with tetrapod-shaped ZnO.. *RSC Advances*, **2018**, 8, 12337-12343	3.7	20
66	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	8.4	55

65	A Combined Self-Consistent Method to Estimate the Effective Properties of Polypropylene/Calcium Carbonate Composites. *Polymers*, **2018**, 10,	4.5	4
64	Enhanced electrochemical voltammetric fingerprints for plant taxonomic sensing. *Biosensors and Bioelectronics*, **2018**, 120, 102-107	11.8	27
63	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	13	67
62	New Deformation-Induced Nanostructure in Silicon. *Nano Letters*, **2018**, 18, 4611-4617	11.5	141
61	In Situ High-Pressure X-ray Diffraction and Raman Spectroscopy Study of TiCT MXene. *Nanoscale Research Letters*, **2018**, 13, 343	5	28
60	Electrochemical Enantiomer Recognition Based on sp□-to-sp□Converted Regenerative Graphene/Diamond Electrode. *Nanomaterials*, **2018**, 8,	5.4	7
59	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	7.1	48
58	Effective thermal transport highway construction within dielectric polymer composites via a vacuum-assisted infiltration method. *Journal of Materials Chemistry C*, **2018**, 6, 6494-6501	7.1	35
57	An ultrathin high-performance heat spreader fabricated with hydroxylated boron nitride nanosheets. *2D Materials*, **2017**, 4, 025047	5.9	108
56	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	13	120
55	Enhanced thermal properties of poly(vinylidene fluoride) composites with ultrathin nanosheets of MXene. *RSC Advances*, **2017**, 7, 20494-20501	3.7	131
54	An analytical study of mechanical behavior of polypropylene/calcium carbonate composites under uniaxial tension and three-point bending. *Composite Structures*, **2017**, 171, 370-381	5.3	6
53	In Situ TEM Study of Interaction between Dislocations and a Single Nanotwin under Nanoindentation. *ACS Applied Materials & Interfaces*, **2017**, 9, 29451-29456	9.5	26
52	Effect of different sizes of graphene on thermal transport performance of graphene paper. *Composites Communications*, **2017**, 5, 46-53	6.7	25
51	Enhanced thermal transport performance for poly(vinylidene fluoride) composites with superfullerene. *Fibers and Polymers*, **2017**, 18, 1180-1186	2	7
50	Enhanced thermal conductivity of epoxy composites filled with silicon carbide nanowires. *Scientific Reports*, **2017**, 7, 2606	4.9	81
49	Enhanced thermal and mechanical properties of liquid crystalline-grafted graphene oxide-filled epoxy composites. *Polymer Bulletin*, **2017**, 74, 1611-1627	2.4	14
48	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	2.4	7

47	Enhanced thermal conductivity of epoxy composites with core-shell SiC@SiO2 nanowires. *High Voltage*, **2017**, 2, 154-160	4.1	12
46	Highly Conductive 3D Segregated Graphene Architecture in Polypropylene Composite with Efficient EMI Shielding. *Polymers*, **2017**, 9,	4.5	30
45	Enhanced thermal conductivity for poly(vinylidene fluoride) composites with nano-carbon fillers. *RSC Advances*, **2016**, 6, 68357-68362	3.7	42
44	In situ growth of metal nanoparticles on boron nitride nanosheets as highly efficient catalysts. *Journal of Materials Chemistry A*, **2016**, 4, 19107-19115	13	37
43	Graphene woven fabric-reinforced polyimide films with enhanced and anisotropic thermal conductivity. *Composites Part A: Applied Science and Manufacturing*, **2016**, 87, 290-296	8.4	81
42	Enhanced thermal and mechanical properties of epoxy composites by addition of hyperbranched polyglycerol grown on cellulose fibers. *Journal of Polymer Research*, **2016**, 23, 1	2.7	9
41	Exceptionally high thermal and electrical conductivity of three-dimensional graphene-foam-based polymer composites. *RSC Advances*, **2016**, 6, 22364-22369	3.7	79
40	Enhanced thermal and mechanical properties of polypropylene composites with hyperbranched polyester grafted sisal microcrystalline. *Fibers and Polymers*, **2016**, 17, 2153-2161	2	13
39	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	13	135
38	Enhanced thermal and mechanical properties of epoxy composites by mixing noncovalently functionalized graphene sheets. *Polymer Bulletin*, **2015**, 72, 453-472	2.4	44
37	Enhanced thermal properties in a hybrid graphene□lumina filler for epoxy composites. *RSC Advances*, **2015**, 5, 35773-35782	3.7	42
36	Improving thermal and mechanical properties of epoxy composites by using functionalized graphene. *RSC Advances*, **2015**, 5, 60596-60607	3.7	28
35	Enhanced mechanical and thermal properties of epoxy with hyperbranched polyester grafted perylene diimide. *RSC Advances*, **2015**, 5, 3177-3186	3.7	39
34	Enhanced thermal and electrical properties of epoxy composites reinforced with graphene nanoplatelets. *Polymer Composites*, **2015**, 36, 556-565	3	121
33	Influence of interface chemistry on dielectric properties of epoxy/alumina nanocomposites **2015**,		2
32	Polymer/boron nitride nanosheet composite with high thermal conductivity and sufficient dielectric strength. *Polymers for Advanced Technologies*, **2015**, 26, 514-520	3.2	73
31	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	8.4	104
30	Enhanced thermal properties for epoxy composites with a three-dimensional graphene oxide filler. *Fibers and Polymers*, **2015**, 16, 2617-2626	2	20

29	Mechanical and thermal properties of epoxy composites containing graphene oxide and liquid crystalline epoxy. *Fibers and Polymers*, **2014**, 15, 326-333	2	52
28	Enhanced thermal properties of epoxy composites by using hyperbranched aromatic polyamide grafted silicon carbide whiskers. *Macromolecular Research*, **2014**, 22, 405-411	1.9	24
27	Enhanced thermal and mechanical properties of polyimide/graphene composites. *Macromolecular Research*, **2014**, 22, 983-989	1.9	36
26	Epoxy composites filled with one-dimensional SiC nanowires/two-dimensional graphene nanoplatelets hybrid nanofillers. *RSC Advances*, **2014**, 4, 59409-59417	3.7	21
25	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	3.7	53
24	Enhanced thermal and mechanical properties of lignin/polypropylene wood-plastic composite by using flexible segment-containing reactive compatibilizer. *Macromolecular Research*, **2014**, 22, 1084-1089	1.9	26
23	Enhanced thermal and mechanical properties of polyimide composites by mixing thermotropic liquid crystalline epoxy grafted aluminum nitride. *Journal of Polymer Research*, **2014**, 21, 1	2.7	14
22	Improved thermal properties of epoxy composites filled with thermotropic liquid crystalline epoxy grafted aluminum nitride. *Fibers and Polymers*, **2014**, 15, 2581-2590	2	6
21	Influence of alumina content and thermal treatment on the thermal conductivity of UPE/Al2O3 composite. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	23
20	Crystal structure transformation and dielectric properties of polymer composites incorporating zinc oxide nanorods. *Macromolecular Research*, **2014**, 22, 19-25	1.9	12
19	Alumina-coated graphene sheet hybrids for electrically insulating polymer composites with high thermal conductivity. *RSC Advances*, **2013**, 3, 17373	3.7	155
18	Efficient thermal properties enhancement to hyperbranched aromatic polyamide grafted aluminum nitride in epoxy composites. *Polymers for Advanced Technologies*, **2013**, 24, 348-356	3.2	29
17	Thermal and electrical properties of epoxy composites at high alumina loadings and various temperatures. *Iranian Polymer Journal (English Edition)*, **2013**, 22, 61-73	2.3	44
16	Epoxy nanocomposites filled with thermotropic liquid crystalline epoxy grafted graphene oxide. *RSC Advances*, **2013**, 3, 8915	3.7	52
15	Enhanced thermal conductivity for PVDF composites with a hybrid functionalized graphene sheet-nanodiamond filler. *Fibers and Polymers*, **2013**, 14, 1317-1323	2	42
14	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	1.9	17
13	Interfacial modification of boron nitride nanoplatelets for epoxy composites with improved thermal properties. *Polymer*, **2012**, 53, 471-480	3.9	349
12	Influence of interface structure on dielectric properties of epoxy/alumina nanocomposites. *Macromolecular Research*, **2012**, 20, 816-826	1.9	81

11	Thermal conductivity and dielectric properties of epoxy composites with hyperbranched polymer modified boron nitride nanoplatelets **2012**,		3
10	Permittivity, thermal conductivity and thermal stability of poly(vinylidene fluoride)/graphene nanocomposites. *IEEE Transactions on Dielectrics and Electrical Insulation*, **2011**, 18, 478-484	2.3	139
9	Preparation of hyperbranched aromatic polyamide grafted nanoparticles for thermal properties reinforcement of epoxy composites. *Polymer Chemistry*, **2011**, 2, 1380	4.9	106
8	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	1	4
7	Graphene nanocomposites based on poly(vinylidene fluoride): Structure and properties. *Polymer Composites*, **2011**, 32, 1483-1491	3	63
6	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	2.9	7
5	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*,1-8	1.8	0
4	A spiral graphene framework containing highly ordered graphene microtubes for polymer composites with superior through-plane thermal conductivity. *Chinese Journal of Chemistry*,	4.9	2
3	Carbon nano-onions as a nanofiller for enhancing thermal conductivity of epoxy composites. *Applied Nanoscience (Switzerland)*,1	3.3	3
2	Enhanced tribological properties of aligned graphene-epoxy composites. *Friction*,1	5.6	4
1	High thermal conductivity and low leakage phase change materials filled with three-dimensional carbon fiber network. *Fullerenes Nanotubes and Carbon Nanostructures*,1-10	1.8	1