Junwei Gu

List of Publications by Year in descending order

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175	21,350	3515 90	9553 142
papers	citations	h-index	g-index

176	176	176	9841
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultraflexible and Mechanically Strong Double-Layered Aramid Nanofiberâ€“Ti₃C₂T_x MXene/Silver Nanowire Nanocomposite Papers for High-Performance Electromagnetic Interference Shielding. ACS Nano, 2020, 14, 8368-8382.	7.3	566
2	Synchronously improved electromagnetic interference shielding and thermal conductivity for epoxy nanocomposites by constructing 3D copper nanowires/thermally annealed graphene aerogel framework. Composites Part A: Applied Science and Manufacturing, 2020, 128, 105670.	3.8	489
3	Factors affecting thermal conductivities of the polymers and polymer composites: A review. Composites Science and Technology, 2020, 193, 108134.	3.8	434
4	Lightweight, Flexible Cellulose-Derived Carbon Aerogel@Reduced Graphene Oxide/PDMS Composites with Outstanding EMI Shielding Performances and Excellent Thermal Conductivities. Nano-Micro Letters, 2021, 13, 91.	14.4	427
5	Electromagnetic interference shielding MWCNT-Fe3O4@Ag/epoxy nanocomposites with satisfactory thermal conductivity and high thermal stability. Carbon, 2019, 141, 506-514.	5.4	413
6	Ultra-light MXene aerogel/wood-derived porous carbon composites with wall-like â€œmortar/brickâ€• structures for electromagnetic interference shielding. Science Bulletin, 2020, 65, 616-622.	4.3	370
7	An overview of multifunctional epoxy nanocomposites. Journal of Materials Chemistry C, 2016, 4, 5890-5906.	2.7	360
8	Significantly enhanced and precisely modeled thermal conductivity in polyimide nanocomposites with chemically modified graphene via in situ polymerization and electrospinning-hot press technology. Journal of Materials Chemistry C, 2018, 6, 3004-3015.	2.7	360
9	Highly thermally conductive flame-retardant epoxy nanocomposites with reduced ignitability and excellent electrical conductivities. Composites Science and Technology, 2017, 139, 83-89.	3.8	356
10	Superior electromagnetic interference shielding 3D graphene nanoplatelets/reduced graphene oxide foam/epoxy nanocomposites with high thermal conductivity. Journal of Materials Chemistry C, 2019, 7, 2725-2733.	2.7	342
11	Ultralight, highly compressible and fire-retardant graphene aerogel with self-adjustable electromagnetic wave absorption. Carbon, 2018, 139, 1126-1135.	5.4	340
12	Dielectric thermally conductive boron nitride/polyimide composites with outstanding thermal stabilities via in -situ polymerization-electrospinning-hot press method. Composites Part A: Applied Science and Manufacturing, 2017, 94, 209-216.	3.8	339
13	Fabrication on the annealed Ti3C2Tx MXene/Epoxy nanocomposites for electromagnetic interference shielding application. Composites Part B: Engineering, 2019, 171, 111-118.	5.9	326
14	Functionalized graphite nanoplatelets/epoxy resin nanocomposites with high thermal conductivity. International Journal of Heat and Mass Transfer, 2016, 92, 15-22.	2.5	321
15	High-Performance and Rapid-Response Electrical Heaters Based on Ultraflexible, Heat-Resistant, and Mechanically Strong Aramid Nanofiber/Ag Nanowire Nanocomposite Papers. ACS Nano, 2019, 13, 7578-7590.	7.3	319
16	Enhanced thermal conductivities and decreased thermal resistances of functionalized boron nitride/polyimide composites. Composites Part B: Engineering, 2019, 164, 732-739.	5.9	311
17	Thermal transport in polymeric materials and across composite interfaces. Applied Materials Today, 2018, 12, 92-130.	2.3	299
18	MXenes for polymer matrix electromagnetic interference shielding composites: A review. Composites Communications, 2021, 24, 100653.	3.3	291

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19	Lightweight and robust rGO/sugarcane derived hybrid carbon foams with outstanding EMI shielding performance. Journal of Materials Science and Technology, 2020, 52, 119-126.	5.6	286
20	Structural Design Strategies of Polymer Matrix Composites for Electromagnetic Interference Shielding: A Review. Nano-Micro Letters, 2021, 13, 181.	14.4	283
21	Flexible Sandwichâ€Structured Electromagnetic Interference Shielding Nanocomposite Films with Excellent Thermal Conductivities. Small, 2021, 17, e2101951.	5.2	278
22	Reduced Graphene Oxide Heterostructured Silver Nanoparticles Significantly Enhanced Thermal Conductivities in Hot-Pressed Electrospun Polyimide Nanocomposites. ACS Applied Materials & Interfaces, 2019, 11, 25465-25473.	4.0	277
23	Multifunctional Wearable Silver Nanowire Decorated Leather Nanocomposites for Joule Heating, Electromagnetic Interference Shielding and Piezoresistive Sensing. Angewandte Chemie - International Edition, 2022, 61, .	7.2	272
24	Self-healing, recoverable epoxy elastomers and their composites with desirable thermal conductivities by incorporating BN fillers via in-situ polymerization. Composites Science and Technology, 2018, 164, 59-64.	3.8	264
25	A review on thermally conductive polymeric composites: classification, measurement, model and equations, mechanism and fabrication methods. Advanced Composites and Hybrid Materials, 2018, 1, 207-230.	9.9	260
26	Highly Thermal Conductivities, Excellent Mechanical Robustness and Flexibility, and Outstanding Thermal Stabilities of Aramid Nanofiber Composite Papers with Nacre-Mimetic Layered Structures. ACS Applied Materials & Interfaces, 2020, 12, 1677-1686.	4.0	260
27	Multifunctional Flexible Electromagnetic Interference Shielding Silver Nanowires/Cellulose Films with Excellent Thermal Management and Joule Heating Performances. ACS Applied Materials & Interfaces, 2020, 12, 18023-18031.	4.0	260
28	Janus (BNNS/ANF)-(AgNWs/ANF) thermal conductivity composite films with superior electromagnetic interference shielding and Joule heating performances. Nano Research, 2022, 15, 4747-4755.	5.8	259
29	Thermal conductivity epoxy resin composites filled with boron nitride. Polymers for Advanced Technologies, 2012, 23, 1025-1028.	1.6	228
30	Fabrication and investigation on the Fe3O4/thermally annealed graphene aerogel/epoxy electromagnetic interference shielding nanocomposites. Composites Science and Technology, 2019, 169, 70-75.	3.8	224
31	Polymerâ€based EMI shielding composites with 3D conductive networks: A miniâ€review. SusMat, 2021, 1, 413-431.	7.8	212
32	Enhanced thermal conductivities of epoxy nanocomposites via incorporating in-situ fabricated hetero-structured SiC-BNNS fillers. Composites Science and Technology, 2020, 187, 107944.	3.8	208
33	Significant improvement of thermal conductivities for BNNS/PVA composite films via electrospinning followed by hot-pressing technology. Composites Part B: Engineering, 2019, 175, 107070.	5.9	207
34	Ti3C2Tx/rGO porous composite films with superior electromagnetic interference shielding performances. Carbon, 2021, 175, 271-280.	5.4	201
35	Multifunctional Ti3C2Tx-(Fe3O4/polyimide) composite films with Janus structure for outstanding electromagnetic interference shielding and superior visual thermal management. Nano Research, 2022, 15, 5601-5609.	5.8	196
36	High thermal conductivity graphite nanoplatelet/UHMWPE nanocomposites. RSC Advances, 2015, 5, 36334-36339.	1.7	194

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37	Fabrication and investigation on the ultra-thin and flexible Ti3C2Tx/co-doped polyaniline electromagnetic interference shielding composite films. Composites Science and Technology, 2019, 183, 107833.	3.8	192
38	New generation electromagnetic materials: harvesting instead of dissipation solo. Science Bulletin, 2022, 67, 1413-1415.	4.3	192
39	Interfacial thermal resistance in thermally conductive polymer composites: A review. Composites Communications, 2020, 22, 100518.	3.3	190
40	Fabrication and investigation on the PANI/MWCNT/thermally annealed graphene aerogel/epoxy electromagnetic interference shielding nanocomposites. Composites Part A: Applied Science and Manufacturing, 2019, 121, 265-272.	3.8	186
41	Graphene Shield by SiBCN Ceramic: A Promising High-Temperature Electromagnetic Wave-Absorbing Material with Oxidation Resistance. ACS Applied Materials & Interfaces, 2018, 10, 39307-39318.	4.0	181
42	Synergistic improvement of thermal conductivities of polyphenylene sulfide composites filled with boron nitride hybrid fillers. Composites Part A: Applied Science and Manufacturing, 2017, 95, 267-273.	3.8	174
43	3D Ti3C2Tx MXene/C hybrid foam/epoxy nanocomposites with superior electromagnetic interference shielding performances and robust mechanical properties. Composites Part A: Applied Science and Manufacturing, 2019, 123, 293-300.	3.8	172
44	Hexagonal boron nitride/polymethyl-vinyl siloxane rubber dielectric thermally conductive composites with ideal thermal stabilities. Composites Part A: Applied Science and Manufacturing, 2017, 92, 27-32.	3.8	171
45	High-Efficiency Electromagnetic Interference Shielding of rGO@FeNi/Epoxy Composites with Regular Honeycomb Structures. Nano-Micro Letters, 2022, 14, 51.	14.4	166
46	Improvement of thermal conductivities for PPS dielectric nanocomposites via incorporating NH2-POSS functionalized nBN fillers. Composites Part A: Applied Science and Manufacturing, 2017, 101, 237-242.	3.8	162
47	Highly oriented three-dimensional structures of Fe3O4 decorated CNTs/reduced graphene oxide foam/epoxy nanocomposites against electromagnetic pollution. Composites Science and Technology, 2019, 181, 107683.	3.8	157
48	Ideal dielectric thermally conductive bismaleimide nanocomposites filled with polyhedral oligomeric silsesquioxane functionalized nanosized boron nitride. RSC Advances, 2016, 6, 35809-35814.	1.7	154
49	Flexible thermally conductive and electrically insulating silicone rubber composite films with BNNS@Al2O3 fillers. Advanced Composites and Hybrid Materials, 2021, 4, 36-50.	9.9	152
50	Improvement of thermal conductivities and simulation model for glass fabrics reinforced epoxy laminated composites via introducing hetero-structured BNN-30@BNNS fillers. Journal of Materials Science and Technology, 2021, 82, 239-249.	5.6	151
51	Obviously improved electromagnetic interference shielding performances for epoxy composites via constructing honeycomb structural reduced graphene oxide. Composites Science and Technology, 2019, 181, 107698.	3.8	146
52	Hierarchically Multifunctional Polyimide Composite Films with Strongly Enhanced Thermal Conductivity. Nano-Micro Letters, 2022, 14, 26.	14.4	145
53	Functionalized glass fibers cloth/spherical BN fillers/epoxy laminated composites with excellent thermal conductivities and electrical insulation properties. Composites Communications, 2019, 16, 5-10.	3.3	142
54	A mini-review of MXene porous films: Preparation, mechanism and application. Journal of Materials Science and Technology, 2022, 103, 42-49.	5.6	141

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55	A Perspective for Developing Polymer-Based Electromagnetic Interference Shielding Composites. Nano-Micro Letters, 2022, 14, 89.	14.4	139
56	High-efficiency improvement of thermal conductivities for epoxy composites from synthesized liquid crystal epoxy followed by doping BN fillers. Composites Part B: Engineering, 2020, 185, 107784.	5.9	137
57	Superior wave-absorbing performances of silicone rubber composites via introducing covalently bonded SnO2@MWCNT absorbent with encapsulation structure. Composites Communications, 2020, 22, 100486.	3.3	136
58	Ordered Alignment of Liquid Crystalline Graphene Fluoride for Significantly Enhancing Thermal Conductivities of Liquid Crystalline Polyimide Composite Films. Macromolecules, 2022, 55, 4134-4145.	2.2	135
59	Fabrication and investigation on ternary heterogeneous MWCNT@TiO2-C fillers and their silicone rubber wave-absorbing composites. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105714.	3.8	133
60	Intrinsic high thermal conductive liquid crystal epoxy film simultaneously combining with excellent intrinsic self-healing performance. Journal of Materials Science and Technology, 2021, 68, 209-215.	5.6	132
61	Breaking Through Bottlenecks for Thermally Conductive Polymer Composites: A Perspective for Intrinsic Thermal Conductivity, Interfacial Thermal Resistance and Theoretics. Nano-Micro Letters, 2021, 13, 110.	14.4	132
62	Constructing fully carbon-based fillers with a hierarchical structure to fabricate highly thermally conductive polyimide nanocomposites. Journal of Materials Chemistry C, 2019, 7, 7035-7044.	2.7	130
63	Constructing interconnected spherical hollow conductive networks in silver platelets/reduced graphene oxide foam/epoxy nanocomposites for superior electromagnetic interference shielding effectiveness. Nanoscale, 2019, 11, 22590-22598.	2.8	130
64	Preparation and properties of cyanate-based wave-transparent laminated composites reinforced by dopamine/POSS functionalized Kevlar cloth. Composites Science and Technology, 2019, 169, 120-126.	3.8	128
65	Polymer matrix wave-transparent composites: A review. Journal of Materials Science and Technology, 2021, 75, 225-251.	5.6	128
66	3D Shapeable, Superior Electrically Conductive Cellulose Nanofibers/Ti ₃ C ₂ T _x MXene Aerogels/Epoxy Nanocomposites for Promising EMI Shielding. Research, 2020, 2020, 4093732.	2.8	124
67	Covalent Functionalization of Black Phosphorus with Conjugated Polymer for Information Storage. Angewandte Chemie - International Edition, 2018, 57, 4543-4548.	7.2	122
68	Multifunctional sponges with flexible motion sensing and outstanding thermal insulation for superior electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2020, 139, 106143.	3.8	122
69	Liquid Crystalline Polyimide Films with High Intrinsic Thermal Conductivities and Robust Toughness. Macromolecules, 2021, 54, 4934-4944.	2.2	122
70	Thermal conductivity and mechanical properties of aluminum nitride filled linear lowâ€density polyethylene composites. Polymer Engineering and Science, 2009, 49, 1030-1034.	1.5	120
71	Highly thermally conductive POSS-g-SiCp/UHMWPE composites with excellent dielectric properties and thermal stabilities. Composites Part A: Applied Science and Manufacturing, 2015, 78, 95-101.	3.8	118
72	Improved thermal conductivities in polystyrene nanocomposites by incorporating thermal reduced graphene oxide via electrospinning-hot press technique. Composites Communications, 2018, 10, 68-72.	3.3	117

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73	Recoverable and self-healing electromagnetic wave absorbing nanocomposites. Composites Science and Technology, 2019, 174, 27-32.	3.8	116
74	Thermal percolation behavior of graphene nanoplatelets/polyphenylene sulfide thermal conductivity composites. Polymer Composites, 2014, 35, 1087-1092.	2.3	113
75	Fabrication and investigations on the polydopamine/KH-560 functionalized PBO fibers/cyanate ester wave-transparent composites. Composites Communications, 2018, 8, 36-41.	3.3	113
76	Flexible and insulating silicone rubber composites with sandwich structure for thermal management and electromagnetic interference shielding. Composites Science and Technology, 2022, 219, 109253.	3.8	113
77	Development of wave-transparent, light-weight composites combined with superior dielectric performance and desirable thermal stabilities. Composites Science and Technology, 2017, 144, 185-192.	3.8	111
78	Simultaneous improvement of thermal conductivities and electromagnetic interference shielding performances in polystyrene composites via constructing interconnection oriented networks based on electrospinning technology. Composites Part A: Applied Science and Manufacturing, 2019, 124, 105484.	3.8	109
79	Ultralow dielectric, fluoride-containing cyanate ester resins with improved mechanical properties and high thermal and dimensional stabilities. Journal of Materials Chemistry C, 2017, 5, 6929-6936.	2.7	106
80	Tissue-Engineered Trachea Consisting of Electrospun Patterned sc-PLA/GO-g-IL Fibrous Membranes with Antibacterial Property and 3D-Printed Skeletons with Elasticity. Biomacromolecules, 2019, 20, 1765-1776.	2.6	104
81	Synthesis of Cyanate Ester Microcapsules via Solvent Evaporation Technique and Its Application in Epoxy Resins as a Healing Agent. Industrial & Engineering Chemistry Research, 2016, 55, 10941-10946.	1.8	103
82	Fabrication, proposed model and simulation predictions on thermally conductive hybrid cyanate ester composites with boron nitride fillers. Composites Part A: Applied Science and Manufacturing, 2018, 107, 570-578.	3.8	99
83	Redox gated polymer memristive processing memory unit. Nature Communications, 2019, 10, 736.	5.8	99
84	Honeycomb structural rGO-MXene/epoxy nanocomposites for superior electromagnetic interference shielding performance. Sustainable Materials and Technologies, 2020, 24, e00153.	1.7	99
85	Thermal conductivities, mechanical and thermal properties of graphite nanoplatelets/polyphenylene sulfide composites. RSC Advances, 2014, 4, 22101-22105.	1.7	98
86	Synchronously improved dielectric and mechanical properties of wave-transparent laminated composites combined with outstanding thermal stability by incorporating iysozyme/POSS functionalized PBO fibers. Journal of Materials Chemistry C, 2018, 6, 7652-7660.	2.7	97
87	Enhanced thermal conductivity of SiCp/PS composites by electrospinningâ€“hot press technique. Composites Part A: Applied Science and Manufacturing, 2015, 79, 8-13.	3.8	96
88	Nanopolydopamine coupled fluorescent nanozinc oxide reinforced epoxy nanocomposites. Composites Part A: Applied Science and Manufacturing, 2017, 102, 126-136.	3.8	95
89	Multifunctional Wearable Silver Nanowire Decorated Leather Nanocomposites for Joule Heating, Electromagnetic Interference Shielding and Piezoresistive Sensing. Angewandte Chemie, 2022, 134, .	1.6	95
90	Hyperbranched polyborosilazane and boron nitride modified cyanate ester composite with low dielectric loss and desirable thermal conductivity. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 784-790.	1.8	93

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91	Liquid crystal epoxy resins with high intrinsic thermal conductivities and their composites: A mini-review. Materials Today Physics, 2021, 20, 100456.	2.9	93
92	Robust Ti3C2Tx MXene/starch derived carbon foam composites for superior EMI shielding and thermal insulation. Materials Today Physics, 2021, 21, 100512.	2.9	90
93	Highly efficient thermal conductivity of polydimethylsiloxane composites via introducing â€œLine-Planeâ€•like hetero-structured fillers. Composites Part A: Applied Science and Manufacturing, 2022, 157, 106911.	3.8	88
94	Volatile Organic Compound Gas-Sensing Properties of Bimodal Porous Î±-Fe₂O₃ with Ultrahigh Sensitivity and Fast Response. ACS Applied Materials & Interfaces, 2018, 10, 13702-13711.	4.0	87
95	90% yield production of polymer nano-memristor for in-memory computing. Nature Communications, 2021, 12, 1984.	5.8	87
96	Indacenodithiophene: a promising building block for high performance polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 10798-10814.	5.2	85
97	Improved wave-transparent performances and enhanced mechanical properties for fluoride-containing PBO precursor modified cyanate ester resins and their PBO fibers/cyanate ester composites. Composites Part B: Engineering, 2019, 178, 107466.	5.9	84
98	Flame-Retardant, Thermal, Mechanical and Dielectric Properties of Structural Non-Halogenated Epoxy Resin Composites. Polymer-Plastics Technology and Engineering, 2012, 51, 1198-1203.	1.9	82
99	Significant Reduction of Interfacial Thermal Resistance and Phonon Scattering in Graphene/Polyimide Thermally Conductive Composite Films for Thermal Management. Research, 2021, 2021, 8438614.	2.8	82
100	Mechanically strong and foldingâ€endurance Ti₃C₂T_x MXene/PBO nanofiber films for efficient electromagnetic interference shielding and thermal management. , 2022, 4, 200-210.		82
101	Preparation and properties of polystyrene/SiCw/SiCp thermal conductivity composites. Journal of Applied Polymer Science, 2012, 124, 132-137.	1.3	81
102	Random copolymer membrane coated PBO fibers with significantly improved interfacial adhesion for PBO fibers/cyanate ester composites. Chinese Journal of Aeronautics, 2021, 34, 659-668.	2.8	78
103	Preparation and mechanical properties researches of silane coupling reagent modified Î²-silicon carbide filled epoxy composites. Polymer Bulletin, 2009, 62, 689-697.	1.7	74
104	MOF-derived CoNi@C-silver nanowires/cellulose nanofiber composite papers with excellent thermal management capability for outstanding electromagnetic interference shielding. Composites Science and Technology, 2022, 224, 109445.	3.8	72
105	Lowly loaded carbon nanotubes induced high electrical conductivity and giant magnetoresistance in ethylene/1-octene copolymers. Polymer, 2016, 103, 315-327.	1.8	69
106	Liquid crystalline texture and hydrogen bond on the thermal conductivities of intrinsic thermal conductive polymer films. Journal of Materials Science and Technology, 2021, 82, 250-256.	5.6	68
107	Hybrid Polymer Membrane Functionalized PBO Fibers/Cyanate Esters Wave-Transparent Laminated Composites. Advanced Fiber Materials, 2022, 4, 520-531.	7.9	67
108	Nest-like hetero-structured BNNS@SiCnws fillers and significant improvement on thermal conductivities of epoxy composites. Composites Part B: Engineering, 2021, 210, 108666.	5.9	65

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109	A low loading of grafted thermoplastic polystyrene strengthens and toughens transparent epoxy composites. Journal of Materials Chemistry C, 2017, 5, 4275-4285.	2.7	64
110	Superior electromagnetic interference shielding performances of epoxy composites by introducing highly aligned reduced graphene oxide films. Composites Part A: Applied Science and Manufacturing, 2019, 124, 105512.	3.8	64
111	Controllable thermal conductivity in composites by constructing thermal conduction networks. Materials Today Physics, 2021, 20, 100449.	2.9	63
112	Pressure-Induced Self-Interlocked Structures for Expanded Graphite Composite Papers Achieving Prominent EMI Shielding Effectiveness and Outstanding Thermal Conductivities. ACS Applied Materials & Interfaces, 2022, 14, 3233-3243.	4.0	63
113	Introducing advanced composites and hybrid materials. Advanced Composites and Hybrid Materials, 2018, 1, 1-5.	9.9	57
114	In-situ fabrication of hetero-structured fillers to significantly enhance thermal conductivities of silicone rubber composite films. Composites Science and Technology, 2021, 210, 108799.	3.8	55
115	Synergic Effect of Acrylate Liquid Rubber and Bisphenol A on Toughness of Epoxy Resins. Polymer Bulletin, 2008, 60, 229-236.	1.7	54
116	Fluorine/adamantane modified cyanate resins with wonderful interfacial bonding strength with PBO fibers. Composites Part B: Engineering, 2020, 186, 107827.	5.9	52
117	Enhanced wave-absorbing performances of silicone rubber composites by incorporating C-SnO2-MWCNT absorbent with ternary heterostructure. Ceramics International, 2019, 45, 20282-20289.	2.3	50
118	Discotic Liquid Crystal Epoxy Resins Integrating Intrinsic High Thermal Conductivity and Intrinsic Flame Retardancy. Macromolecular Rapid Communications, 2022, 43, e2100580.	2.0	50
119	Studies on the preparation and effect of the mechanical properties of titanate coupling reagent modified Î²-Sic whisker filled celluloid nano-composites. Surface and Coatings Technology, 2008, 202, 2891-2896.	2.2	48
120	Fast and facile fabrication of porous polymer particles via thiolâ€“ene suspension photopolymerization. RSC Advances, 2014, 4, 13334-13339.	1.7	48
121	Advanced Aromatic Polymers with Excellent Antiatomic Oxygen Performance Derived from Molecular Precursor Strategy and Copolymerization of Polyhedral Oligomeric Silsesquioxane. ACS Applied Materials & Interfaces, 2015, 7, 20144-20155.	4.0	47
122	Surface functionalization of HMPBO fibers with MSA/KH550/GlycidylEthyl POSS and improved interfacial adhesion. Polymer Composites, 2014, 35, 611-616.	2.3	46
123	Aligned cellulose/nanodiamond plastics with high thermal conductivity. Journal of Materials Chemistry C, 2018, 6, 13108-13113.	2.7	46
124	Tunable and Processable Shape-Memory Materials Based on Solvent-Free, Catalyst-Free Polycondensation between Formaldehyde and Diamine at Room Temperature. ACS Macro Letters, 2019, 8, 582-587.	2.3	45
125	Polyaniline Assisted Uniform Dispersion for Magnetic Ultrafine Barium Ferrite Nanorods Reinforced Epoxy Metacomposites with Tailorable Negative Permittivity. Journal of Physical Chemistry C, 2017, 121, 13265-13273.	1.5	41
126	Highly thermally conductive carbon nanotubes pillared exfoliated graphite/polyimide composites. Npj Flexible Electronics, 2021, 5, .	5.1	41

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127	Flexible Ti ₃ C ₂ T _x /(Aramid Nanofiber/PVA) Composite Films for Superior Electromagnetic Interference Shielding. Research, 2022, 2022, 9780290.	2.8	38
128	Thiolâ€“isocyanate click reaction in a Pickering emulsion: a rapid and efficient route to encapsulation of healing agents. Polymer Chemistry, 2015, 6, 7100-7111.	1.9	36
129	High char yield novolac modified by Si-B-N-C precursor: Thermal stability and structural evolution. Polymer Degradation and Stability, 2017, 137, 184-196.	2.7	34
130	Engineering molecular interaction in polymeric hybrids: Effect of thermal linker and polymer chain structure on thermal conduction. Composites Part B: Engineering, 2019, 166, 509-515.	5.9	34
131	Hydrogen-Bond Driven Self-Assembly of Two-Dimensional Supramolecular Melamine-Cyanuric Acid Crystals and Its Self-Alignment in Polymer Composites for Enhanced Thermal Conduction. ACS Applied Polymer Materials, 2019, 1, 1291-1300.	2.0	31
132	Surface modification of HMPBO fibers by silane coupling agent of KH-560 treatment assisted by ultrasonic vibration. Fibers and Polymers, 2012, 13, 979-984.	1.1	30
133	Facile functionalization strategy of PBO fibres for synchronous improving the mechanical and wave-transparent properties of the PBO fibres/cyanate ester laminated composites. Composites Part A: Applied Science and Manufacturing, 2021, 150, 106622.	3.8	29
134	Cyanate ester resins toughened with epoxy-terminated and fluorine-containing polyaryletherketone. Polymer Chemistry, 2021, 12, 3753-3761.	1.9	29
135	In situ silica reinforcement of vinyltriethoxysilaneâ€grafted styreneâ€“butadiene rubber by solâ€“gel process. Journal of Applied Polymer Science, 2013, 128, 2262-2268.	1.3	28
136	Water-borne thiolâ€“isocyanate click chemistry in microfluidics: rapid and energy-efficient preparation of uniform particles. Polymer Chemistry, 2015, 6, 4366-4373.	1.9	27
137	A superfast hexavalent chromium scavenger: Magnetic nanocarbon bridged nanomagnetite network with excellent recyclability. Journal of Hazardous Materials, 2018, 353, 166-172.	6.5	26
138	Recyclable cross-linked hydroxythioether particles with tunable structures via robust and efficient thiol-epoxy dispersion polymerizations. RSC Advances, 2017, 7, 51763-51772.	1.7	24
139	Optimization of PBO fibers/cyanate ester wave-transparent laminated composites via incorporation of a fluoride-containing linear interfacial compatibilizer. Composites Science and Technology, 2021, 210, 108838.	3.8	24
140	Significantly improved interfacial properties and wave-transparent performance of PBO fibers/cyanate esters laminated composites via introducing a polydopamine/ZIF-8 hybrid membrane. Composites Science and Technology, 2022, 223, 109426.	3.8	24
141	Fabrication of novel wave-transparent HMPBO fibre/BADCy laminated composites. RSC Advances, 2015, 5, 37768-37773.	1.7	23
142	UV etched random copolymer membrane coated PBO fibers/cyanate ester wave-transparent laminated composites. Composites Part B: Engineering, 2021, 212, 108680.	5.9	21
143	Preparation of POSS/Quartz fibers/cyanate ester resins laminated composites. Polymer Composites, 2015, 36, 2017-2021.	2.3	20
144	Improving the comprehensive properties of PBO fibres/cyanate ester composites using a hyperbranched fluorine and epoxy containing PBO precursor. Composites Part A: Applied Science and Manufacturing, 2021, 150, 106596.	3.8	19

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145	Magnetic nanoparticles encapsulated latexes prepared with photo-initiated miniemulsion polymerization. Colloid and Polymer Science, 2010, 288, 1751-1756.	1.0	18
146	Improved Thermal Stabilities, Ablation and Mechanical Properties for Carbon Fibers/Phenolic Resins Laminated Composites Modified by Silicon-containing Polyborazine. Engineered Science, 2018, , .	1.2	18
147	Fabrication of modified bismaleimide resins by hyperbranched phenyl polysiloxane and improvement of their thermal conductivities. RSC Advances, 2016, 6, 57357-57362.	1.7	17
148	Enhanced thermal stabilities and char yields of carbon fibers reinforced boron containing novolac phenolic resins composites. Journal of Polymer Research, 2017, 24, 1.	1.2	17
149	Preparation of diblock copolymer PBA-b-PSt by DPE method in emulsion. Journal of Polymer Research, 2011, 18, 1229-1235.	1.2	16
150	Effects of Carbon Black on the Properties of HNBR Reinforced by in-situ Prepared ZDMA. Polymer-Plastics Technology and Engineering, 2011, 50, 1507-1510.	1.9	16
151	Synchronously improved wave-transparent performance and mechanical properties of cyanate ester resins via introducing fluorine-containing linear random copolymer. Advanced Composites and Hybrid Materials, 2021, 4, 1166-1175.	9.9	16
152	Synthesis and characterization of branched phenylethynyl-terminated polyimides. Journal of Polymer Research, 2015, 22, 1.	1.2	13
153	Preparation, properties of Inâ€šitu silica modified styreneâ€butadiene rubber and its silicaâ€filled composites. Polymer Composites, 2018, 39, 22-28.	2.3	13
154	Enhanced surface property of HMPBO fibers by using Î³-aminopropyl triethoxy silane. Fibers and Polymers, 2012, 13, 1249-1253.	1.1	12
155	Synthesis and characterization of aryl boron-containing thermoplastic phenolic resin with high thermal decomposition temperature and char yield. Journal of Polymer Research, 2016, 23, 1.	1.2	12
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