

Junliang Zhang

List of Publications by Year in descending order

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papers

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236925

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Synchronously improved electromagnetic interference shielding and thermal conductivity for epoxy nanocomposites by constructing 3D copper nanowires/thermally annealed graphene aerogel framework. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 128, 105670.	7.6	489
2	Lightweight and robust rGO/sugarcane derived hybrid carbon foams with outstanding EMI shielding performance. <i>Journal of Materials Science and Technology</i> , 2020, 52, 119-126.	10.7	286
3	Highly Thermal Conductivities, Excellent Mechanical Robustness and Flexibility, and Outstanding Thermal Stabilities of Aramid Nanofiber Composite Papers with Nacre-Mimetic Layered Structures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1677-1686.	8.0	260
4	Enhanced thermal conductivities of epoxy nanocomposites via incorporating in-situ fabricated hetero-structured SiC-BNNS fillers. <i>Composites Science and Technology</i> , 2020, 187, 107944.	7.8	208
5	Functionalized glass fibers cloth/spherical BN fillers/epoxy laminated composites with excellent thermal conductivities and electrical insulation properties. <i>Composites Communications</i> , 2019, 16, 5-10.	6.3	142
6	High-efficiency improvement of thermal conductivities for epoxy composites from synthesized liquid crystal epoxy followed by doping BN fillers. <i>Composites Part B: Engineering</i> , 2020, 185, 107784.	12.0	137
7	Superior wave-absorbing performances of silicone rubber composites via introducing covalently bonded SnO ₂ @MWCNT absorbent with encapsulation structure. <i>Composites Communications</i> , 2020, 22, 100486.	6.3	136
8	Fabrication and investigation on ternary heterogeneous MWCNT@TiO ₂ -C fillers and their silicone rubber wave-absorbing composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 129, 105714.	7.6	133
9	Intrinsic high thermal conductive liquid crystal epoxy film simultaneously combining with excellent intrinsic self-healing performance. <i>Journal of Materials Science and Technology</i> , 2021, 68, 209-215.	10.7	132
10	Polymer matrix wave-transparent composites: A review. <i>Journal of Materials Science and Technology</i> , 2021, 75, 225-251.	10.7	128
11	Honeycomb structural rGO-MXene/epoxy nanocomposites for superior electromagnetic interference shielding performance. <i>Sustainable Materials and Technologies</i> , 2020, 24, e00153.	3.3	99
12	Improved wave-transparent performances and enhanced mechanical properties for fluoride-containing PBO precursor modified cyanate ester resins and their PBO fibers/cyanate ester composites. <i>Composites Part B: Engineering</i> , 2019, 178, 107466.	12.0	84
13	Novel Ti ₃ C ₂ T _x MXene/epoxy intumescent fire-retardant coatings for ancient wooden architectures. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50649.	2.6	79
14	Random copolymer membrane coated PBO fibers with significantly improved interfacial adhesion for PBO fibers/cyanate ester composites. <i>Chinese Journal of Aeronautics</i> , 2021, 34, 659-668.	5.3	78
15	Hybrid Polymer Membrane Functionalized PBO Fibers/Cyanate Esters Wave-Transparent Laminated Composites. <i>Advanced Fiber Materials</i> , 2022, 4, 520-531.	16.1	67
16	Fluorine/adamantane modified cyanate resins with wonderful interfacial bonding strength with PBO fibers. <i>Composites Part B: Engineering</i> , 2020, 186, 107827.	12.0	52
17	Synthesis of Sequence-Controlled Multiblock Single Chain Nanoparticles by a Stepwise Folding "Chain Extension" Folding Process. <i>Macromolecules</i> , 2016, 49, 8933-8942.	4.8	46
18	Evolution of Microphase Separation with Variations of Segments of Sequence-Controlled Multiblock Copolymers. <i>Macromolecules</i> , 2017, 50, 7380-7387.	4.8	44

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19	Asymmetric Copolymers: Synthesis, Properties, and Applications of Gradient and Other Partially Segregated Copolymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800357.	3.9	43
20	Hyperbranched poly(ethylenimine-co-oxazoline) by thiol-ene chemistry for non-viral gene delivery: investigating the role of polymer architecture. <i>Polymer Chemistry</i> , 2019, 10, 1202-1212.	3.9	42
21	Effect of Hydrophilic Monomer Distribution on Self-Assembly of a pH-Responsive Copolymer: Spheres, Worms and Vesicles from a Single Copolymer Composition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4925-4930.	13.8	35
22	Self-assembly and disassembly of stimuli responsive tadpole-like single chain nanoparticles using a switchable hydrophilic/hydrophobic boronic acid cross-linker. <i>Polymer Chemistry</i> , 2017, 8, 4079-4087.	3.9	34
23	Facile functionalization strategy of PBO fibres for synchronous improving the mechanical and wave-transparent properties of the PBO fibres/cyanate ester laminated composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 150, 106622.	7.6	29
24	Cyanate ester resins toughened with epoxy-terminated and fluorine-containing polyaryletherketone. <i>Polymer Chemistry</i> , 2021, 12, 3753-3761.	3.9	29
25	SuFEx – a selectively triggered chemistry for fast, efficient and equimolar polymer-polymer coupling reactions. <i>Polymer Chemistry</i> , 2017, 8, 7475-7485.	3.9	27
26	Microscale synthesis of multiblock copolymers using ultrafast RAFT polymerisation. <i>Polymer Chemistry</i> , 2019, 10, 1186-1191.	3.9	25
27	Optimization of PBO fibers/cyanate ester wave-transparent laminated composites via incorporation of a fluoride-containing linear interfacial compatibilizer. <i>Composites Science and Technology</i> , 2021, 210, 108838.	7.8	24
28	Significantly improved interfacial properties and wave-transparent performance of PBO fibers/cyanate esters laminated composites via introducing a polydopamine/ZIF-8 hybrid membrane. <i>Composites Science and Technology</i> , 2022, 223, 109426.	7.8	24
29	Hydrogen Bonding-Derived Healable Polyacrylate Elastomers via On-demand Copolymerization of n-Butyl Acrylate and tert-Butyl Acrylate. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50812-50822.	8.0	21
30	UV etched random copolymer membrane coated PBO fibers/cyanate ester wave-transparent laminated composites. <i>Composites Part B: Engineering</i> , 2021, 212, 108680.	12.0	21
31	Improving the comprehensive properties of PBO fibres/cyanate ester composites using a hyperbranched fluorine and epoxy containing PBO precursor. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 150, 106596.	7.6	19
32	Stepwise Light-Induced Dual Compaction of Single-Chain Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700264.	3.9	18
33	Synchronously improved wave-transparent performance and mechanical properties of cyanate ester resins via introducing fluorine-containing linear random copolymer. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1166-1175.	21.1	16
34	Cyanate ester resins with superior dielectric, mechanical, and flame retardance properties obtained by introducing a fluorinated hyperbranched polyaryletherketone. <i>Polymer Chemistry</i> , 2022, 13, 2484-2494.	3.9	16
35	Enzyme Degassing for Oxygen-Sensitive Reactions in Open Vessels of an Automated Parallel Synthesizer: RAFT Polymerizations. <i>ACS Combinatorial Science</i> , 2019, 21, 643-649.	3.8	15
36	Polydimethylsiloxane-Based Giant Glycosylated Polymersomes with Tunable Bacterial Affinity. <i>Biomacromolecules</i> , 2019, 20, 1297-1307.	5.4	14

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37	Tuning the Structure, Stability, and Responsivity of Polymeric Arsenical Nanoparticles Using Polythiol Cross-Linkers. <i>Macromolecules</i> , 2019, 52, 992-1003.	4.8	13
38	Gradient and asymmetric copolymers: the role of the copolymer composition profile in the ionization of weak polyelectrolytes. <i>Polymer Chemistry</i> , 2020, 11, 7562-7570.	3.9	10
39	Calcium-doped ceria hybrid coating functionalized PBO fibers with excellent UV resistance and improved interfacial compatibility with cyanate ester resins. <i>Applied Surface Science</i> , 2021, 569, 151124.	6.1	9
40	Synthesis of functional miktoarm star polymers in an automated parallel synthesizer. <i>European Polymer Journal</i> , 2021, 160, 110777.	5.4	6
41	Amphiphilic Asymmetric Diblock Copolymer with pH-Responsive Fluorescent Properties. <i>ACS Macro Letters</i> , 2021, 10, 1346-1352.	4.8	3
42	Einfluss der Verteilung hydrophiler Monomere auf die Selbstassemblierung eines pH-Responsiven Copolymer: Kugeln, Warmen und Vesikel aus einer einzigen Copolymerkomposition. <i>Angewandte Chemie</i> , 2021, 133, 4975-4981.	2.0	1