

Jie Kong

List of Publications by Year in descending order

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260
papers

17,027
citations

9786

73
h-index

18130

120
g-index

262
all docs

262
docs citations

262
times ranked

12278
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of carbon nanostructures and nanocomposites for electromagnetic wave shielding. Carbon, 2018, 140, 696-733.	10.3	574
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.	7.6	489
3	Electromagnetic interference shielding MWCNT-Fe ₃ O ₄ @Ag/epoxy nanocomposites with satisfactory thermal conductivity and high thermal stability. Carbon, 2019, 141, 506-514.	10.3	413
4	Ultra-light MXene aerogel/wood-derived porous carbon composites with wall-like "mortar/brick" structures for electromagnetic interference shielding. Science Bulletin, 2020, 65, 616-622.	9.0	370
5	Synergistic sorbent separation for one-step ethylene purification from a four-component mixture. Science, 2019, 366, 241-246.	12.6	360
6	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.	5.5	342
7	Ultralight, highly compressible and fire-retardant graphene aerogel with self-adjustable electromagnetic wave absorption. Carbon, 2018, 139, 1126-1135.	10.3	340
8	Study on preparation and fire-retardant mechanism analysis of intumescent flame-retardant coatings. Surface and Coatings Technology, 2007, 201, 7835-7841.	4.8	336
9	Fabrication on the annealed Ti ₃ C ₂ T _x MXene/Epoxy nanocomposites for electromagnetic interference shielding application. Composites Part B: Engineering, 2019, 171, 111-118.	12.0	326
10	Enhanced thermal conductivities and decreased thermal resistances of functionalized boron nitride/polyimide composites. Composites Part B: Engineering, 2019, 164, 732-739.	12.0	311
11	Thermal transport in polymeric materials and across composite interfaces. Applied Materials Today, 2018, 12, 92-130.	4.3	299
12	Reduced Graphene Oxide Heterostructured Silver Nanoparticles Significantly Enhanced Thermal Conductivities in Hot-Pressed Electrospun Polyimide Nanocomposites. ACS Applied Materials & Interfaces, 2019, 11, 25465-25473.	8.0	277
13	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.	21.1	260
14	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.	8.0	260
15	Polypyrrole-interface-functionalized nano-magnetite epoxy nanocomposites as electromagnetic wave absorbers with enhanced flame retardancy. Journal of Materials Chemistry C, 2017, 5, 5334-5344.	5.5	242
16	Fabrication and investigation on the Fe ₃ O ₄ /thermally annealed graphene aerogel/epoxy electromagnetic interference shielding nanocomposites. Composites Science and Technology, 2019, 169, 70-75.	7.8	224
17	Enhanced thermal conductivities of epoxy nanocomposites via incorporating in-situ fabricated hetero-structured SiC-BNNS fillers. Composites Science and Technology, 2020, 187, 107944.	7.8	208
18	Significant improvement of thermal conductivities for BNNS/PVA composite films via electrospinning followed by hot-pressing technology. Composites Part B: Engineering, 2019, 175, 107070.	12.0	207

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19	Polyborosilazane derived ceramics - Nitrogen sulfur dual doped graphene nanocomposite anode for enhanced lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 296, 925-937.	5.2	198
20	Fabrication and investigation on the ultra-thin and flexible Ti ₃ C ₂ T _x /co-doped polyaniline electromagnetic interference shielding composite films. <i>Composites Science and Technology</i> , 2019, 183, 107833.	7.8	192
21	New generation electromagnetic materials: harvesting instead of dissipation solo. <i>Science Bulletin</i> , 2022, 67, 1413-1415.	9.0	192
22	Conductive Antibacterial Hemostatic Multifunctional Scaffolds Based on Ti ₃ C ₂ T _x MXene Nanosheets for Promoting Multidrug-Resistant Bacteria-Infected Wound Healing. <i>ACS Nano</i> , 2021, 15, 2468-2480.	14.6	189
23	Fabrication and investigation on the PANI/MWCNT/thermally annealed graphene aerogel/epoxy electromagnetic interference shielding nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 265-272.	7.6	186
24	Graphene Shield by SiBCN Ceramic: A Promising High-Temperature Electromagnetic Wave-Absorbing Material with Oxidation Resistance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39307-39318.	8.0	181
25	3D Ti ₃ C ₂ T _x MXene/C hybrid foam/epoxy nanocomposites with superior electromagnetic interference shielding performances and robust mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 123, 293-300.	7.6	172
26	Hexagonal boron nitride/polymethyl-vinyl siloxane rubber dielectric thermally conductive composites with ideal thermal stabilities. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 92, 27-32.	7.6	171
27	Hygroscopic holey graphene aerogel fibers enable highly efficient moisture capture, heat allocation and microwave absorption. <i>Nature Communications</i> , 2022, 13, 1227.	12.8	168
28	Functionalized graphene sheets with poly(ionic liquid)s and high adsorption capacity of anionic dyes. <i>Applied Surface Science</i> , 2015, 326, 276-284.	6.1	166
29	Highly oriented three-dimensional structures of Fe ₃ O ₄ decorated CNTs/reduced graphene oxide foam/epoxy nanocomposites against electromagnetic pollution. <i>Composites Science and Technology</i> , 2019, 181, 107683.	7.8	157
30	Noninvasive photothermal cancer therapy nanoplatfoms via integrating nanomaterials and functional polymers. <i>Biomaterials Science</i> , 2017, 5, 190-210.	5.4	150
31	Obviously improved electromagnetic interference shielding performances for epoxy composites via constructing honeycomb structural reduced graphene oxide. <i>Composites Science and Technology</i> , 2019, 181, 107698.	7.8	146
32	Hierarchically porous silicon-carbon-nitrogen hybrid materials towards highly efficient and selective adsorption of organic dyes. <i>Scientific Reports</i> , 2015, 5, 7910.	3.3	144
33	Hollow Porous Bowl-like Nitrogen-Doped Cobalt/Carbon Nanocomposites with Enhanced Electromagnetic Wave Absorption. <i>Chemistry of Materials</i> , 2021, 33, 1789-1798.	6.7	139
34	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
35	Hyperbranched polymers from A ₂ + B ₃ strategy: recent advances in description and control of fine topology. <i>Polymer Chemistry</i> , 2016, 7, 3643-3663.	3.9	134
36	Constructing fully carbon-based fillers with a hierarchical structure to fabricate highly thermally conductive polyimide nanocomposites. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7035-7044.	5.5	130

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37	Constructing interconnected spherical hollow conductive networks in silver platelets/reduced graphene oxide foam/epoxy nanocomposites for superior electromagnetic interference shielding effectiveness. <i>Nanoscale</i> , 2019, 11, 22590-22598.	5.6	130
38	Preparation and properties of cyanate-based wave-transparent laminated composites reinforced by dopamine/POSS functionalized Kevlar cloth. <i>Composites Science and Technology</i> , 2019, 169, 120-126.	7.8	128
39	Polymer matrix wave-transparent composites: A review. <i>Journal of Materials Science and Technology</i> , 2021, 75, 225-251.	10.7	128
40	3D Shapeable, Superior Electrically Conductive Cellulose Nanofibers/Ti ₃ C ₂ T _x MXene Aerogels/Epoxy Nanocomposites for Promising EMI Shielding. <i>Research</i> , 2020, 2020, 4093732.	5.7	124
41	Ultra-high thermally conductive and rapid heat responsive poly(benzobisoxazole) nanocomposites with self-aligned graphene. <i>Nanoscale</i> , 2016, 8, 19984-19993.	5.6	123
42	Multifunctional sponges with flexible motion sensing and outstanding thermal insulation for superior electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 139, 106143.	7.6	122
43	High-Temperature Stable and Metal-Free Electromagnetic Wave-Absorbing SiBCN Ceramics Derived from Carbon-Rich Hyperbranched Polyborosilazanes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28051-28061.	8.0	121
44	Improved thermal conductivities in polystyrene nanocomposites by incorporating thermal reduced graphene oxide via electrospinning-hot press technique. <i>Composites Communications</i> , 2018, 10, 68-72.	6.3	117
45	Recoverable and self-healing electromagnetic wave absorbing nanocomposites. <i>Composites Science and Technology</i> , 2019, 174, 27-32.	7.8	116
46	Fabrication and investigations on the polydopamine/KH-560 functionalized PBO fibers/cyanate ester wave-transparent composites. <i>Composites Communications</i> , 2018, 8, 36-41.	6.3	113
47	Enhanced dielectric tunability of Ba _{0.6} Sr _{0.4} TiO ₃ /Poly(vinylidene fluoride) composites via interface modification by silane coupling agent. <i>Composites Science and Technology</i> , 2016, 129, 93-100.	7.8	112
48	Microwave-Absorbing Polymer-Derived Ceramics from Cobalt-Coordinated Poly(dimethylsilylene)diacetylenes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18721-18732.	3.1	112
49	Development of wave-transparent, light-weight composites combined with superior dielectric performance and desirable thermal stabilities. <i>Composites Science and Technology</i> , 2017, 144, 185-192.	7.8	111
50	Soluble and Meltable Hyperbranched Polyborosilazanes toward High-Temperature Stable SiBCN Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6733-6744.	8.0	110
51	Self-Healing, Flexible, and Tailorable Triboelectric Nanogenerators for Self-Powered Sensors based on Thermal Effect of Infrared Radiation. <i>Advanced Functional Materials</i> , 2020, 30, 1910723.	14.9	110
52	Simultaneous improvement of thermal conductivities and electromagnetic interference shielding performances in polystyrene composites via constructing interconnection oriented networks based on electrospinning technology. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 124, 105484.	7.6	109
53	Light-Switchable Polymer Adhesive Based on Photoinduced Reversible Solid-to-Liquid Transitions. <i>ACS Macro Letters</i> , 2019, 8, 968-972.	4.8	107
54	Ultralow dielectric, fluoride-containing cyanate ester resins with improved mechanical properties and high thermal and dimensional stabilities. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6929-6936.	5.5	106

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55	Tissue-Engineered Trachea Consisting of Electrospun Patterned sc-PLA/GO-IL Fibrous Membranes with Antibacterial Property and 3D-Printed Skeletons with Elasticity. <i>Biomacromolecules</i> , 2019, 20, 1765-1776.	5.4	104
56	Honeycomb structural rGO-MXene/epoxy nanocomposites for superior electromagnetic interference shielding performance. <i>Sustainable Materials and Technologies</i> , 2020, 24, e00153.	3.3	99
57	Excellent Electromagnetic Wave Absorption of Iron-Containing SiBCN Ceramics at 1158 K High Temperature. <i>Advanced Engineering Materials</i> , 2018, 20, 1701168.	3.5	98
58	Synchronously improved dielectric and mechanical properties of wave-transparent laminated composites combined with outstanding thermal stability by incorporating isozyme/POSS functionalized PBO fibers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7652-7660.	5.5	97
59	Environment-resisted flexible high performance triboelectric nanogenerators based on ultrafast self-healing non-drying conductive organohydrogel. <i>Nano Energy</i> , 2021, 82, 105724.	16.0	96
60	Poly(dimethylsilylene)diacetylene-Guided ZIF-Based Heterostructures for Full Ku-Band Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17706-17713.	8.0	94
61	Hyperbranched polyborosilazane and boron nitride modified cyanate ester composite with low dielectric loss and desirable thermal conductivity. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017, 24, 784-790.	2.9	93
62	High thermal conductivity of polyethylene nanowire arrays fabricated by an improved nanoporous template wetting technique. <i>Polymer</i> , 2011, 52, 1711-1715.	3.8	92
63	Preparation and dielectric properties of poly(vinylidene fluoride)/Ba _{0.6} Sr _{0.4} TiO ₃ composites. <i>Journal of Alloys and Compounds</i> , 2015, 619, 686-692.	5.5	91
64	Study on Preparation of SiO ₂ /Epoxy Resin Hybrid Materials by Means of Sol-Gel. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 1129-1134.	1.9	90
65	Microwave-absorption properties of SiOC ceramics derived from novel hyperbranched ferrocene-containing polysiloxane. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2021-2030.	5.7	89
66	Tunable magnetoresistance of core-shell structured polyaniline nanocomposites with 0-, 1-, and 2-dimensional nanocarbons. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 51-64.	21.1	87
67	Adsorption of copper (II) by using derived-farmyard and poultry manure biochars: Efficiency and mechanism. <i>Chemical Physics Letters</i> , 2017, 689, 190-198.	2.6	84
68	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
69	Significant Reduction of Interfacial Thermal Resistance and Phonon Scattering in Graphene/Polyimide Thermally Conductive Composite Films for Thermal Management. <i>Research</i> , 2021, 2021, 8438614.	5.7	82
70	Highly effective electromagnetic wave absorbing Prismatic Co/C nanocomposites derived from cubic metal-organic framework. <i>Composites Part B: Engineering</i> , 2020, 182, 107613.	12.0	80
71	Highly Efficient Electromagnetic Wave Absorbing Metal-Free and Carbon-Rich Ceramics Derived from Hyperbranched Polycarbosilazanes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24774-24785.	3.1	78
72	Concurrent topology optimization design of structures and non-uniform parameterized lattice microstructures. <i>Structural and Multidisciplinary Optimization</i> , 2018, 58, 35-50.	3.5	78

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73	Tunable positive magnetoresistance of magnetic polyaniline nanocomposites. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 534-542.	21.1	78
74	Novel Hyperbranched Ferrocene-Containing Poly(boro)carbosilanes Synthesized via a Convenient $A_2 + B_3$ Approach. <i>Macromolecules</i> , 2011, 44, 1280-1291.	4.8	77
75	Animal manure-derived biochars produced via fast pyrolysis for the removal of divalent copper from aqueous media. <i>Journal of Environmental Management</i> , 2018, 213, 109-118.	7.8	76
76	Bimetallic MOF-derived hollow ZnNiC nano-boxes for efficient microwave absorption. <i>Nanoscale</i> , 2020, 12, 13311-13315.	5.6	75
77	Co/C Composite Derived from a Newly Constructed Metal-Organic Framework for Effective Microwave Absorption. <i>Crystal Growth and Design</i> , 2019, 19, 1518-1524.	3.0	73
78	Magnetoceramics from the Bulk Pyrolysis of Polysilazane Cross-Linked by Polyferrocenylcarbosilanes with Hyperbranched Topology. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10367-10375.	8.0	68
79	Ultraflexible, highly efficient electromagnetic interference shielding, and self-healable triboelectric nanogenerator based on Ti ₃ C ₂ T MXene for self-powered wearable electronics. <i>Journal of Materials Science and Technology</i> , 2022, 100, 1-11.	10.7	67
80	Hybrid Polymer Membrane Functionalized PBO Fibers/Cyanate Esters Wave-Transparent Laminated Composites. <i>Advanced Fiber Materials</i> , 2022, 4, 520-531.	16.1	67
81	The effect of graphene network formation on the electrical, mechanical, and multifunctional properties of graphene/epoxy nanocomposites. <i>Composites Science and Technology</i> , 2019, 169, 224-231.	7.8	65
82	Tunable Electromagnetic Wave Absorption of Supramolecular Isomer-Derived Nanocomposites with Different Morphology. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901820.	3.7	65
83	Superior electromagnetic interference shielding performances of epoxy composites by introducing highly aligned reduced graphene oxide films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 124, 105512.	7.6	64
84	Adsorption and thermodynamic mechanisms of manganese removal from aqueous media by biowaste-derived biochars. <i>Journal of Molecular Liquids</i> , 2018, 266, 373-380.	4.9	62
85	Digital Light Processing 3D-Printed Ceramic Metamaterials for Electromagnetic Wave Absorption. <i>Nano-Micro Letters</i> , 2022, 14, 122.	27.0	61
86	Achieving carbon-rich silicon-containing ceramic anode for advanced lithium ion battery. <i>Ceramics International</i> , 2019, 45, 10572-10580.	4.8	58
87	Enhanced dielectric tunability and energy storage properties of plate-like Ba _{0.6} Sr _{0.4} TiO ₃ /poly(vinylidene fluoride) composites through texture arrangement. <i>Composites Science and Technology</i> , 2018, 158, 112-120.	7.8	55
88	Synergic Effect of Acrylate Liquid Rubber and Bisphenol A on Toughness of Epoxy Resins. <i>Polymer Bulletin</i> , 2008, 60, 229-236.	3.3	54
89	Hydrophobic Poly(ionic liquid) for Highly Effective Separation of Methyl Blue and Chromium Ions from Water. <i>Polymers</i> , 2013, 5, 1203-1214.	4.5	54
90	Self-toughening of epoxy resin through controlling topology of cross-linked networks. <i>Polymer</i> , 2016, 99, 376-385.	3.8	54

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91	Magnetic two-dimensional molecularly imprinted materials for the recognition and separation of proteins. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 718-725.	2.8	52
92	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
93	Study on modification of epoxy resins with acrylate liquid rubber containing pendant epoxy groups. <i>Journal of Materials Science</i> , 2006, 41, 1639-1641.	3.7	51
94	Intramolecular Cyclization in $A_{2} + B_{3}$ Polymers via Step-Wise Polymerization Resulting in a Highly Branched Topology: Quantitative Determination of Cycles by Combined NMR and SEC Analytics. <i>Macromolecules</i> , 2012, 45, 6185-6195.	4.8	51
95	One-pot synthesis of glutathione-responsive amphiphilic drug self-delivery micelles of doxorubicin- β -disulfide- α -methoxy polyethylene glycol for tumor therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 39-43.	5.8	51
96	Studies on the preparation and effect of the mechanical properties of titanate coupling reagent modified β -SiC whisker filled celluloid nano-composites. <i>Surface and Coatings Technology</i> , 2008, 202, 2891-2896.	4.8	48
97	Assessment of the electrochemical behaviour of silicon@carbon nanocomposite anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154644.	5.5	48
98	Synthesis and characterization of hyperbranched-poly(siloxysilane)-based polymeric photoinitiators. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3261-3270.	2.3	47
99	Synthesis and UV-curing behaviors of novel rapid UV-curable polyorganosilazanes. <i>Polymer</i> , 2006, 47, 1519-1525.	3.8	47
100	Advanced Aromatic Polymers with Excellent Antiatomic Oxygen Performance Derived from Molecular Precursor Strategy and Copolymerization of Polyhedral Oligomeric Silsesquioxane. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20144-20155.	8.0	47
101	Reinforced Cyanate Ester Resins with Carbon Nanotubes: Surface Modification, Reaction Activity and Mechanical Properties Analyses. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 359-366.	1.9	46
102	Highly efficient and broad electromagnetic wave absorbers tuned via topology-controllable metal-organic frameworks. <i>Science China Materials</i> , 2020, 63, 2050-2061.	6.3	45
103	Antisolvent-assisted controllable growth of fullerene single crystal microwires for organic field effect transistors and photodetectors. <i>Nanoscale</i> , 2018, 10, 8170-8179.	5.6	44
104	Study on molecular chain heterogeneity of linear low-density polyethylene by cross-fractionation of temperature rising elution fractionation and successive self-nucleation/annealing thermal fractionation. <i>Journal of Applied Polymer Science</i> , 2004, 94, 1710-1718.	2.6	43
105	Improved Energy Storage Performance of Linear Dielectric Polymer Nanodielectrics with Polydopamine coated BN Nanosheets. <i>Polymers</i> , 2018, 10, 1349.	4.5	43
106	Novel supramolecular system of amphiphilic hyperbranched polymer with β -cyclodextrin and hyperbranched topography cavities: Synthesis and selective encapsulation. <i>Polymer</i> , 2010, 51, 2556-2564.	3.8	42
107	Terminal Index: A New Way for Precise Description of Topologic Structure of Highly Branched Polymers Derived from $A_{2} + B_{3}$ Stepwise Polymerization. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3441-3450.	2.6	42
108	MXene-derived TiC/SiBCN ceramics with excellent electromagnetic absorption and high-temperature resistance. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1772-1784.	3.8	41

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109	Cyclodextrin-Based Hyperbranched Polymers: Molecule Design, Synthesis, and Characterization. <i>Macromolecules</i> , 2009, 42, 640-651.	4.8	39
110	Drug Self-Assembled Delivery System with Dual Responsiveness for Cancer Chemotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 2347-2354.	5.2	39
111	Study of smoke back-layering length with different longitudinal fire locations in inclined tunnels under natural ventilation. <i>Tunnelling and Underground Space Technology</i> , 2021, 107, 103663.	6.2	39
112	Polymer Nanowire Arrays With High Thermal Conductivity and Superhydrophobicity Fabricated by a Nano-Molding Technique. <i>Heat Transfer Engineering</i> , 2013, 34, 131-139.	1.9	38
113	High-efficiency remediation of cadmium (Cd ²⁺) from aqueous solution using poultry manure- and farmyard manure-derived biochars. <i>Separation Science and Technology</i> , 2016, 51, 2307-2317.	2.5	37
114	A study of fire smoke spreading and control in emergency rescue stations of extra-long railway tunnels. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 49, 155-161.	3.3	37
115	Highly Stretchable, Self-Healable, Ultrasensitive Strain and Proximity Sensors Based on Skin-Inspired Conductive Film for Human Motion Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51987-51998.	8.0	37
116	pH-responsive dithiomaleimide-amphiphilic block copolymer for drug delivery and cellular imaging. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 439-447.	9.4	36
117	Magnetoceramic nanocrystals from the bulk pyrolysis of novel hyperbranched polyferrocenyl(boro)carbosilanes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1507.	5.5	35
118	Constructing magnetic Si-Fe hybrid microspheres for room temperature nitroarenes reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10986-10997.	10.3	35
119	Design and characterization of a biomass template/SnO ₂ nanocomposite for enhanced adsorption of 2,4-dichlorophenol. <i>Environmental Research</i> , 2020, 181, 108955.	7.5	35
120	Self-healing flexible strain sensors based on dynamically cross-linked conductive nanocomposites. <i>Composites Communications</i> , 2021, 24, 100654.	6.3	35
121	Hyperbranched polycarbosiloxane with dendritic boron cores: Synthesis, characterization, and structure regulation. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3930-3941.	2.3	34
122	Microwave Absorption Performance of SiC/ZrC/SiZrOC Hybrid Nanofibers with Enhanced High-Temperature Oxidation Resistance. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10490-10501.	6.7	33
123	ZnO/nitrogen-doped carbon nanocomplex with controlled morphology for highly efficient electromagnetic wave absorption. <i>Journal of Materials Science and Technology</i> , 2022, 114, 206-214.	10.7	33
124	Study on morphology, crystallization behaviors of highly filled maleated polyethylene-layered silicate nanocomposites. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4004-4011.	2.6	32
125	Synthesis, characterization, and UV curing kinetics of hyperbranched polycarbosilane. <i>Journal of Applied Polymer Science</i> , 2008, 107, 3812-3822.	2.6	32
126	Synergetic Dielectric and Magnetic Losses of a Core-Shell Co/MnO/C Nanocomplex toward Highly Efficient Microwave Absorption. <i>Inorganic Chemistry</i> , 2022, 61, 1787-1796.	4.0	31

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127	β-Cyclodextrin polymer brushes based on hyperbranched polycarbosilane: Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5036-5052.	2.3	30
128	Variation of thermal expansion of carbon/carbon composites from 850 to 2500°C. <i>Ceramics International</i> , 2014, 40, 1273-1276.	4.8	29
129	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
130	Cyanate ester resins toughened with epoxy-terminated and fluorine-containing polyaryletherketone. <i>Polymer Chemistry</i> , 2021, 12, 3753-3761.	3.9	29
131	A new controllable approach to synthesize hyperbranched poly(siloxysilanes). <i>Journal of Polymer Science Part A</i> , 2008, 46, 2708-2720.	2.3	28
132	Studies on flow behaviors of polymer melts in nanochannels by wetting actions. <i>Polymer</i> , 2007, 48, 7645-7652.	3.8	27
133	Enhanced Polymer Melts Flow through Nanoscale Channels under Vibration. <i>Journal of Physical Chemistry C</i> , 2009, 113, 624-629.	3.1	27
134	Synthesis of magnesium-modified mesoporous Al ₂ O ₃ with enhanced catalytic performance for propane dehydrogenation. <i>Journal of Materials Science</i> , 2014, 49, 5772-5781.	3.7	27
135	Acid-Cleavable Unimolecular Micelles from Amphiphilic Star Copolymers for Triggered Release of Anticancer Drugs. <i>Macromolecular Bioscience</i> , 2017, 17, 1600258.	4.1	27
136	Advances in Biological Liquid Crystals. <i>Small</i> , 2019, 15, e1900019.	10.0	27
137	Stretchable Self-Healing Polymeric Networks with Recyclability and Dual Responsiveness. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1065-1072.	4.4	27
138	UV-activated hydrosilylation: a facile approach for synthesis of hyperbranched polycarbosilanes. <i>Applied Organometallic Chemistry</i> , 2009, 23, 277-282.	3.5	26
139	Synthesis, characterization and UV curing kinetics of hyperbranched polysiloxysilanes from A ₂ and CB ₂ type monomers. <i>Polymer</i> , 2009, 50, 3587-3594.	3.8	26
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