Ming Qiu Zhang

List of Publications by Citations

215 papers	7,345 citations	45 h-index	78 g-index
222 ext. papers	8,356 ext. citations	5.6 avg, IF	6.46 L-index

#	Paper	IF	Citations
215	Self-Healing Polymeric Materials Using Epoxy/Mercaptan as the Healant. *Macromolecules*, **2008**, 41, 5197-5202	5.5	358
214	Room-Temperature Self-Healable and Remoldable Cross-linked Polymer Based on the Dynamic Exchange of Disulfide Bonds. *Chemistry of Materials*, **2014**, 26, 2038-2046	9.6	352
213	Self-healing polymeric materials based on microencapsulated healing agents: From design to preparation. *Progress in Polymer Science*, **2015**, 49-50, 175-220	29.6	320
212	Polymer engineering based on reversible covalent chemistry: A promising innovative pathway towards new materials and new functionalities. *Progress in Polymer Science*, **2018**, 80, 39-93	29.6	285
211	A thermally remendable epoxy resin. *Journal of Materials Chemistry*, **2009**, 19, 1289		194
210	Self-Healing of Polymers via Synchronous Covalent Bond Fission/Radical Recombination. *Chemistry of Materials*, **2011**, 23, 5076-5081	9.6	180
209	Studies on the transformation process of PVDF from □o □phase by stretching. *RSC Advances*, **2014**, 4, 3938-3943	3.7	179
208	Coumarin imparts repeated photochemical remendability to polyurethane. *Journal of Materials Chemistry*, **2011**, 21, 18373		158
207	Polyaniline nanotube arrays as high-performance flexible electrodes for electrochemical energy storage devices. *Journal of Materials Chemistry*, **2012**, 22, 2401		138
206	Sunlight driven self-healing, reshaping and recycling of a robust, transparent and yellowing-resistant polymer. *Journal of Materials Chemistry A*, **2016**, 4, 10683-10690	13	131
205	Self-healing polyurethane elastomer with thermally reversible alkoxyamines as crosslinkages. *Polymer*, **2014**, 55, 1782-1791	3.9	130
204	Analysis of the interfacial interactions in polypropylene/silica nanocomposites. *Polymer International*, **2004**, 53, 176-183	3.3	126
203	Intrinsic self-healing of covalent polymers through bond reconnection towards strength restoration. *Polymer Chemistry*, **2013**, 4, 4878	4.9	121
202	Catalyst-free dynamic exchange of aromatic Schiff base bonds and its application to self-healing and remolding of crosslinked polymers. *Journal of Materials Chemistry A*, **2015**, 3, 19662-19668	13	119
201	Mechanically Robust, Self-Healable, and Highly Stretchable □iving□Crosslinked Polyurethane Based on a Reversible C?C Bond. *Advanced Functional Materials*, **2018**, 28, 1706050	15.6	110
200	Alkoxyamine with reduced homolysis temperature and its application in repeated autonomous self-healing of stiff polymers. *Polymer Chemistry*, **2013**, 4, 4648	4.9	109
199	Mechanical properties of low nano-silica filled high density polyethylene composites. *Polymer Engineering and Science*, **2003**, 43, 490-500	2.3	108

198	Synthesis and characterization of epoxy with improved thermal remendability based on Diels-Alder reaction. *Polymer International*, **2010**, 59, 1339-1345	3.3	103
197	Multiply fully recyclable carbon fibre reinforced heat-resistant covalent thermosetting advanced composites. *Nature Communications*, **2017**, 8, 14657	17.4	99
196	Integrative solar absorbers for highly efficient solar steam generation. *Journal of Materials Chemistry A*, **2018**, 6, 4642-4648	13	96
195	Interfacial effects in polypropylene□silica nanocomposites. *Journal of Applied Polymer Science*, **2004**, 92, 1771-1781	2.9	96
194	A dual mechanism single-component self-healing strategy for polymers. *Journal of Materials Chemistry*, **2010**, 20, 6030		94
193	Photo-crosslinkable, self-healable and reprocessable rubbers. *Chemical Engineering Journal*, **2019**, 358, 878-890	14.7	86
192	High-water-content graphene oxide/polyvinyl alcohol hydrogel with excellent mechanical properties. *Journal of Materials Chemistry A*, **2014**, 2, 10508-10515	13	85
191	Irradiation graft polymerization on nano-inorganic particles: An effective means to design polymer-based nanocomposites. *Journal of Materials Science Letters*, **2000**, 19, 1159-1161		85
190	Carbon-black-filled polyolefine as a positive temperature coefficient material: Effect of composition, processing, and filler treatment. *Journal of Applied Polymer Science*, **1998**, 70, 559-566	2.9	81
189	A seawater triggered dynamic coordinate bond and its application for underwater self-healing and reclaiming of lipophilic polymer. *Chemical Science*, **2016**, 7, 2736-2742	9.4	79
188	Silica nanonetwork confined in nitrogen-doped ordered mesoporous carbon framework for high-performance lithium-ion battery anodes. *Nanoscale*, **2015**, 7, 3971-5	7.7	76
187	Interface Engineering of Carbon-Based Nanocomposites for Advanced Electrochemical Energy Storage. *Advanced Materials Interfaces*, **2018**, 5, 1800430	4.6	76
186	Self-healing, Reshaping, and Recycling of Vulcanized Chloroprene Rubber: A Case Study of Multitask Cyclic Utilization of Cross-linked Polymer. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2715-2724	8.3	75
185	Repeated Intrinsic Self-Healing of Wider Cracks in Polymer via Dynamic Reversible Covalent Bonding Molecularly Combined with a Two-Way Shape Memory Effect. *ACS Applied Materials & Interfaces*, **2018**, 10, 38538-38546	9.5	75
184	Advanced functional polymer materials. *Materials Chemistry Frontiers*, **2020**, 4, 1803-1915	7.8	70
183	Self-Healing of Thermoplastics via Living Polymerization. *Macromolecules*, **2010**, 43, 595-598	5.5	68
182	A sunlight self-healable transparent strain sensor with high sensitivity and durability based on a silver nanowire/polyurethane composite film. *Journal of Materials Chemistry A*, **2019**, 7, 2315-2325	13	63
181	Atomic force microscopy study on structure and properties of irradiation grafted silica particles in polypropylene-based nanocomposites. *Journal of Applied Polymer Science*, **2001**, 80, 2218-2227	2.9	62

180	Imparting Ultra-Low Friction and Wear Rate to Epoxy by the Incorporation of Microencapsulated Lubricant?. *Macromolecular Materials and Engineering*, **2009**, 294, 20-24	3.9	61
179	Application of alkoxyamine in self-healing of epoxy. *Journal of Materials Chemistry A*, **2014**, 2, 6558-6566	13	60
178	Theoretical consideration and modeling of self-healing polymers. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 229-241	2.6	59
177	Stabilization of catechol–boronic ester bonds for underwater self-healing and recycling of lipophilic bulk polymer in wider pH range. *Journal of Materials Chemistry A*, **2016**, 4, 14122-14131	13	58
176	Preparation of Binary Conductive Polymer Composites with Very Low Percolation Threshold by Latex Blending. *Macromolecular Rapid Communications*, **2003**, 24, 889-893	4.8	58
175	Fabrication and nanostructure control of super-hierarchical carbon materials from heterogeneous bottlebrushes. *Chemical Science*, **2017**, 8, 2101-2106	9.4	56
174	Design and synthesis of self-healing polymers. *Science China Chemistry*, **2012**, 55, 648-676	7.9	53
173	Dynamic reversible bonds enable external stress-free two-way shape memory effect of a polymer network and the interrelated intrinsic self-healability of wider crack and recyclability. *Journal of Materials Chemistry A*, **2018**, 6, 16053-16063	13	52
172	Microencapsulation of styrene with melamine-formaldehyde resin. *Colloid and Polymer Science*, **2009**, 287, 1089-1097	2.4	52
171	Self-healing polymeric materials towards non-structural recovery of functional properties. *Polymer International*, **2014**, 63, 1741-1749	3.3	45
170	A facile method for imparting sunlight driven catalyst-free self-healability and recyclability to commercial silicone elastomer. *Polymer*, **2017**, 108, 339-347	3.9	44
169	Thermo-molded self-healing thermoplastics containing multilayer microreactors. *Journal of Materials Chemistry A*, **2013**, 1, 7191	13	44
168	Effect of filler treatment on temperature dependence of resistivity of carbon-black-filled polymer blends. *Journal of Applied Polymer Science*, **1999**, 73, 489-494	2.9	44
167	Self-healing polyvinyl chloride (PVC) based on microencapsulated nucleophilic thiol-click chemistry. *Polymer*, **2015**, 69, 1-9	3.9	43
166	Irradiation-induced surface graft polymerization onto calcium carbonate nanoparticles and its toughening effects on polypropylene composites. *Polymer Engineering and Science*, **2005**, 45, 529-538	2.3	41
165	Reversibility of solid state radical reactions in thermally remendable polymers with C–ON bonds. *Journal of Materials Chemistry*, **2012**, 22, 13076		40
164	Preparation of graphene oxide and polymer-like quantum dots and their one- and two-photon induced fluorescence properties. *Physical Chemistry Chemical Physics*, **2016**, 18, 4800-6	3.6	39
163	Interfacial interaction in Ag/polymer nanocomposite films. *Journal of Materials Science Letters*, **2001**, 20, 1473-1476		39

162	Role of reactive compatibilization in preparation of nanosilica/polypropylene composites. *Polymer Engineering and Science*, **2007**, 47, 499-509	2.3	38
161	Cobalt and nitrogen codoped ultrathin porous carbon nanosheets as bifunctional electrocatalysts for oxygen reduction and evolution. *Carbon*, **2019**, 141, 704-711	10.4	37
160	A facile heteroaggregate-template route to hollow magnetic mesoporous spheres with tunable shell structures. *Journal of Materials Chemistry*, **2011**, 21, 9020		36
159	A Novel Self-Healing Epoxy System with Microencapsulated Epoxy and Imidazole Curing Agent. *Advanced Composites Letters*, **2007**, 16, 096369350701600	1.2	34
158	Polypropylene composites filled with in-situ grafting polymerization modified nano-silica particles. *Journal of Materials Science*, **2004**, 39, 3475-3478	4.3	34
157	Effect of Drawing Induced Dispersion of Nano-Silica on Performance Improvement of Poly(propylene)-Based Nanocomposites. *Macromolecular Rapid Communications*, **2006**, 27, 581-585	4.8	33
156	Polyimide/Crown Ether Composite Films with Necklace-Like Supramolecular Structure and Improved Mechanical, Dielectric, and Hydrophobic Properties. *Macromolecules*, **2015**, 48, 2173-2183	5.5	32
155	Rigid bio-foam plastics with intrinsic flame retardancy derived from soybean oil. *Journal of Materials Chemistry A*, **2013**, 1, 2533	13	32
154	Self-healing of thermoplastics via reversible addition□fragmentation chain transfer polymerization. *Journal of Materials Chemistry*, **2011**, 21, 9060		32
153	Adaptable Interlocking Macromolecular Networks with Homogeneous Architecture Made from Immiscible Single Networks. *Macromolecules*, **2020**, 53, 584-593	5.5	31
152	Surface grafting onto SiC nanoparticles with glycidyl methacrylate in emulsion. *Journal of Polymer Science Part A*, **2004**, 42, 3842-3852	2.5	30
151	Ultrahigh energy fiber-shaped supercapacitors based on porous hollow conductive polymer composite fiber electrodes. *Journal of Materials Chemistry A*, **2018**, 6, 12250-12258	13	29
150	Self-Healing of Polymer in Acidic Water toward Strength Restoration through the Synergistic Effect of Hydrophilic and Hydrophobic Interactions. *ACS Applied Materials & Interfaces*, **2017**, 9, 37300-37309	9.5	29
149	A novel sensor for organic solvent vapors based on conductive amorphous polymer composites: carbon black/poly(butyl methacrylate). *Polymer Bulletin*, **2003**, 50, 99-106	2.4	28
148	A Facile Approach Toward Scalable Fabrication of Reversible Shape-Memory Polymers with Bonded Elastomer Microphases as Internal Stress Provider. *Macromolecular Rapid Communications*, **2017**, 38, 1700124	4.8	27
147	Moisture Battery Formed by Direct Contact of Magnesium with Foamed Polyaniline. *Angewandte Chemie - International Edition*, **2016**, 55, 1805-9	16.4	27
146	Bridge□effect of CdS nanoparticles in the interface of graphene□polyaniline composites. *Journal of Materials Chemistry*, **2012**, 22, 10999		26
145	Electrical Response to Organic Vapor of Conductive Composites from Amorphous Polymer/Carbon Black Prepared by Polymerization Filling. *Macromolecular Materials and Engineering*, **2003**, 288, 103-107	3.9	26

144	A thermally remendable and reprocessable crosslinked methyl methacrylate polymer based on oxygen insensitive dynamic reversible C□N bonds. *RSC Advances*, **2016**, 6, 6350-6357	3.7	25
143	Synergistic effect of dual targeting vaccine adjuvant with aminated □-glucan and CpG-oligodeoxynucleotides for both humoral and cellular immune responses. *Acta Biomaterialia*, **2018**, 78, 211-223	10.8	25
142	All-plant fiber composites. II: Water absorption behavior and biodegradability of unidirectional sisal fiber reinforced benzylated wood. *Polymer Composites*, **2003**, 24, 367-379	3	25
141	Flame-retardant effect of a phenethyl-bridged DOPO derivative and layered double hydroxides for epoxy resin. *RSC Advances*, **2017**, 7, 46236-46245	3.7	24
140	Free radical polymerization aided self-healing. *Journal of Intelligent Material Systems and Structures*, **2014**, 25, 31-39	2.3	23
139	Thermo-moldable self-healing commodity plastics with heat resisting and oxygen-insensitive healant capable of room temperature redox cationic polymerization. *Journal of Materials Chemistry A*, **2015**, 3, 1858-1862	13	23
138	Tribological behavior of epoxy composites containing reactive SiC nanoparticles. *Journal of Applied Polymer Science*, **2007**, 104, 2608-2619	2.9	23
137	Effects of reactive compatibilization on the performance of nano-silica filled polypropylene composites. *Journal of Materials Science*, **2006**, 41, 5767-5770	4.3	23
136	Effect of migration of layered nanoparticles during melt blending on the phase morphology of poly (ethylene terephthalate)/polyamide 6/montmorillonite ternary nanocomposites. *RSC Advances*, **2015**, 5, 29924-29930	3.7	22
135	Interfacial interaction in sisal/epoxy composites and its influence on impact performance. *Polymer Composites*, **2002**, 23, 182-192	3	22
134	Covalently Connecting Nanoparticles with Epoxy Matrix and its Effect on the Improvement of Tribological Performance of the Composites. *Polymers and Polymer Composites*, **2005**, 13, 245-252	0.8	22
133	A Very Simple Strategy for Preparing External Stress-Free Two-Way Shape Memory Polymers by Making Use of Hydrogen Bonds. *Macromolecular Rapid Communications*, **2018**, 39, e1700714	4.8	21
132	Effective excitation and control of guided surface plasmon polaritons in a conjugated polymer–silver nanowire composite system. *Journal of Materials Chemistry C*, **2013**, 1, 1265-1271	7.1	21
131	Studies on synergistic effect of CNT and CB nanoparticles on PVDF. *Polymer Composites*, **2015**, 36, 2248-2254	3	21
130	Improvement of notch toughness of low nano-SiO2 filled polypropylene composites. *Journal of Materials Science Letters*, **2003**, 22, 1027-1030		21
129	Observation of mutual diffusion of macromolecules in PS/PMMA binary films by confocal Raman microscopy. *Soft Matter*, **2012**, 8, 4780-4787	3.6	20
128	Improvement of conductive network quality in carbon black-filled polymer blends. *Journal of Applied Polymer Science*, **2002**, 84, 2768-2775	2.9	20
127	Control of plasmonic fluorescence enhancement on self-assembled 2-D colloidal crystals. *Journal of Materials Chemistry C*, **2015**, 3, 6185-6191	7.1	19

126	Fabrication and characterization of PbS/multiwalled carbon nanotube heterostructures. *Applied Physics Letters*, **2007**, 90, 161103	3.4	19
125	Surface modification of magnetic metal nanoparticles and its influence on the performance of polymer composites. *Journal of Polymer Science, Part B: Polymer Physics*, **2003**, 41, 1070-1084	2.6	19
124	Double melting phenomena of polyphenylene sulfide and its blends. *Journal of Applied Polymer Science*, **1994**, 51, 57-62	2.9	19
123	Blends of liquid crystalline polyester□olyurethane and epoxy: Preparation and properties. *Journal of Applied Polymer Science*, **2003**, 88, 783-787	2.9	18
122	Well-dispersed CoO embedded in 3D N-S-doped carbon framework through morphology-retaining pyrolysis as efficient oxygen reduction and evolution electrocatalyst. *Electrochimica Acta*, **2019**, 295, 624-631	6.7	18
121	Effect of multiwalled carbon nanotubes and phenethyl-bridged DOPO derivative on flame retardancy of epoxy resin. *Journal of Polymer Research*, **2018**, 25, 1	2.7	17
120	Strong contribution of pore morphology to the high-rate electrochemical performance of lithium-ion batteries. *Chemical Communications*, **2016**, 52, 803-6	5.8	17
119	Carbon black filled poly(2-ethylhexyl methacrylate) as a candidate for gas sensing material. *Journal of Materials Science Letters*, **2003**, 22, 1057-1059		17
118	External Stress-Free Reversible Multiple Shape Memory Polymers. *ACS Applied Materials & Interfaces*, **2019**, 11, 31346-31355	9.5	16
117	A strategy for significant improvement of strength of semi-crystalline polymers with the aid of nanoparticles. *Journal of Materials Chemistry*, **2012**, 22, 4592		16
116	Frictional surface temperature determination of high-temperature-resistant semicrystalline polymers by using their double melting features. *Journal of Applied Polymer Science*, **1997**, 63, 589-593	2.9	16
115	Studies on the morphology and the thermal properties of high-density polyethylene filled with graphite. *Journal of Materials Science*, **2006**, 41, 3175-3178	4.3	16
114	Graft Polymerization of Vinyl Monomers onto Nanosized Silicon Carbide Particles. *Polymers and Polymer Composites*, **2002**, 10, 531-540	0.8	16
113	Reversibly Interlocked Macromolecule Networks with Enhanced Mechanical Properties and Wide pH Range of Underwater Self-Healability. *ACS Applied Materials & Interfaces*, **2020**, 12, 27614-27624	9.5	15
112	Repeatedly Intrinsic Self-Healing of Millimeter-Scale Wounds in Polymer through Rapid Volume Expansion Aided Host-Guest Interaction. *ACS Applied Materials & Interfaces*, **2020**, 12, 22534-22542	9.5	15
111	Fabrication of Nanoparticle/Polymer Composites by In Situ Bubble-Stretching and Reactive Compatibilization. *Macromolecular Chemistry and Physics*, **2006**, 207, 2093-2102	2.6	15
110	N/S co-doped 3D carbon framework prepared by a facile morphology-controlled solid-state pyrolysis method for oxygen reduction reaction in both acidic and alkaline media. *Journal of Energy Chemistry*, **2019**, 34, 220-226	12	15
109	A facile and scalable process to synthesize flexible lithium ion conductive glass-ceramic fibers.. *RSC Advances*, **2019**, 9, 4157-4161	3.7	14

108	Plant oil-based biofoam composites with balanced performance. *Polymer International*, **2009**, 58, 403-411	3.3	14
107	Topological rearrangement-derived homogeneous polymer networks capable of reversibly interlocking: From phantom to reality and beyond. *Materials Today*, **2020**, 33, 45-55	21.8	14
106	Imparting External Stress-Free Two-Way Shape Memory Effect to Commodity Polyolefins by Manipulation of Their Hierarchical Structures. *ACS Macro Letters*, **2019**, 8, 1141-1146	6.6	13
105	Ultrathin-graphite foam with high mechanical resilience and electroconductibility fabricated through morphology-controlled solid-state pyrolysis of polyaniline foam. *Carbon*, **2018**, 139, 648-655	10.4	13
104	Gas Sensing Materials from Carbon Black/Poly(Methyl Methacrylate) Composites. *Polymers and Polymer Composites*, **2003**, 11, 291-299	0.8	13
103	The Preparation of Self-Reinforced Sisal Fiber Composites. *Polymers and Polymer Composites*, **2004**, 12, 297-308	0.8	13
102	Performance stabilization of conductive polymer composites. *Journal of Applied Polymer Science*, **2003**, 89, 2438-2445	2.9	13
101	Carbon black-filled polyolefins as positive temperature coefficient materials: The effect of in situ grafting during melt compounding. *Journal of Polymer Science, Part B: Polymer Physics*, **2003**, 41, 127-134	2.6	13
100	Natural Vegetable Fibre / Plasticised Natural Vegetable Fibre - a Candidate for Low Cost and Fully Biodegradable Composite. *Advanced Composites Letters*, **1999**, 8, 096369359900800	1.2	13
99	Continuous High-Content Keratin Fibers with Balanced Properties Derived from Wool Waste. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 18148-18156	8.3	13
98	Enhanced flame retardancy of epoxy resin containing a phenethyl-bridged DOPO derivative/montmorillonite compound. *Journal of Fire Sciences*, **2018**, 36, 47-62	1.5	13
97	Effects of liquid crystalline polyurethane on the structure and properties of epoxy. *Journal of Materials Science Letters*, **2002**, 21, 719-722		12
96	Self-healable and thiol□ne UV-curable waterborne polyurethane for anticorrosion coating. *Journal of Applied Polymer Science*, **2019**, 136, 47700	2.9	11
95	Interfacial effects in short sisal fiber/maleated castor oil foam composites. *Composite Interfaces*, **2008**, 15, 95-110	2.3	11
94	A Comparative Study of Nanosilica/Poly(propylene) Composites Prepared by Reactive Compatibilization. *Macromolecular Chemistry and Physics*, **2008**, 209, 1826-1835	2.6	11
93	Mechanical Properties of Nanocomposites from Ball Milling Grafted Nano-Silica/Polypropylene Block Copolymer. *Polymers and Polymer Composites*, **2004**, 12, 257-268	0.8	11
92	Highly conductive doped carbon framework as binder-free cathode for hybrid Li-O2 battery. *Carbon* , **2019**, 142, 177-189	10.4	11
91	Thermally conductive glass fiber reinforced epoxy composites with intrinsic self-healing capability. *Advanced Composites and Hybrid Materials*,1	8.7	11

90	Reversible surface wettability conversion of graphene films: optically controlled mechanism. *Journal of Materials Science*, **2014**, 49, 3025-3033	4.3	10
89	Influence of Compatibilizer on Morphology and Dynamic Rheological Behavior of Polyethylene-Octene Elastomer/Starch Blends. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2008**, 57, 362-373	3	10
88	Effects of Processing on Electric Response of Carbon Black Filled Poly(methyl methacrylate) Composites against Organic Solvent Vapors. *Polymer Journal*, **2003**, 35, 1003-1008	2.7	10
87	Thermal stability of frictional surface layer and wear debris of epoxy nanocomposites in relation to the mechanism of tribological performance improvement. *Journal of Materials Science*, **2004**, 39, 3817-3820	4.3	10
86	Heat treatment-induced multiple melting behavior of carbon black-filled polymer blends in relation to the conductive performance stabilization. *Journal of Applied Polymer Science*, **2001**, 80, 1267-1273	2.9	10
85	All-Plant Fibre Composites: Self Reinforced Composites Based on Sisal. *Advanced Composites Letters*, **2001**, 10, 096369350101000	1.2	10
84	3D N-doped carbon framework with embedded CoS nanoparticles as highly active and durable oxygen reduction and evolution electrocatalyst. *Nanotechnology*, **2018**, 29, 465402	3.4	10
83	Bridging Redox Species-Coated Graphene Oxide Sheets to Electrode for Extending Battery Life Using Nanocomposite Electrolyte. *ACS Applied Materials & Interfaces*, **2017**, 9, 909-918	9.5	9
82	Performance improvement of N-doped carbon ORR catalyst via large through-hole structure. *Nanotechnology*, **2020**, 31, 335717	3.4	9
81	Novel flame retardancy effect of phenethyl-bridged DOPO derivative on epoxy resin. *High Performance Polymers*, **2018**, 30, 667-676	1.6	9
80	Moisture Battery Formed by Direct Contact of Magnesium with Foamed Polyaniline. *Angewandte Chemie*, **2016**, 128, 1837-1841	3.6	9
79	Dynamic rheological and morphological study of the compatibility of thermoplastic polyurethane/ethylene□octene copolymer blends. *Journal of Applied Polymer Science*, **2008**, 109, 3452-3457	2.9	9
78	Time dependent percolation of carbon black filled polymer composites in response to solvent vapor. *Journal of Materials Science*, **2005**, 40, 2065-2068	4.3	9
77	A biomaterial-based carbon fiber. *Angewandte Makromolekulare Chemie*, **1994**, 222, 147-163		9
76	Molecular chain bonding synthesis of nanoporous, flexible and conductive polymer composite with outstanding performance for supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 10091-10097	13	9
75	Core-Shell Structure Design of Hollow Mesoporous Silica Nanospheres Based on Thermo-Sensitive PNIPAM and pH-Responsive Catechol-Fe Complex. *Polymers*, **2019**, 11,	4.5	8
74	Analysis of gas sensing behaviors of carbon black/waterborne polyurethane composites in low concentration organic vapors. *Journal of Materials Science*, **2007**, 42, 4575-4580	4.3	8
73	Grafting of Poly(glycidyl methacrylate) onto Nano-SiO2 and Its Reactivity in Polymers. *Polymer Journal*, **2005**, 37, 677-685	2.7	8

72	Effect of Soft Segments of Waterborne Polyurethane on Organic Vapor Sensitivity of Carbon Black Filled Waterborne Polyurethane Composites. *Polymer Journal*, **2006**, 38, 799-806	2.7	8
71	Deformation Characteristics of Nano-SiO2 Filled Polypropylene Composites. *Polymers and Polymer Composites*, **2003**, 11, 559-562	0.8	8
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69	Self-healing epoxy with a fast and stable extrinsic healing system based on BF3mine complex. *RSC Advances*, **2016**, 6, 100796-100803	3.7	7
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67	Improvement of multiple-responsive shape memory effects of wool through increasing the content of disulfide bonds. *Polymer*, **2020**, 188, 122130	3.9	7
66	Ethylene vinyl acetate films filled with ytterbium containing rare earth particles (Y2SiO5: Ce3+, Yb3+) which have optical down-conversion capabilities and useful for encapsulating solar cells. *Journal of Plastic Film and Sheeting*, **2015**, 31, 233-247	2.4	6
65	Optical properties of synthesized organic nanowires. *Applied Physics Letters*, **2006**, 89, 241121	3.4	6
64	Polyurethane/Polyolefin Blends: Morphology, Compatibilization and Mechanical Properties. *Polymers and Polymer Composites*, **2006**, 14, 1-11	0.8	6
63	In situ melt grafting in carbon black/polyolefin composites and its influence on conductive performance. *Polymer International*, **2004**, 53, 944-950	3.3	6
62	Temperature-dependence of dynamic rheological properties for high-density polyethylene filled with graphite. *Journal of Materials Science*, **2005**, 40, 3539-3541	4.3	6
61	Interfacial interaction in stainless steel fiber-filled polypropylene composites. *Journal of Applied Polymer Science*, **2000**, 78, 2174-2179	2.9	6
60	Dynamically Cross-Linked Polymeric Binder-Made Durable Silicon Anode of a Wide Operating Temperature Li-Ion Battery. *ACS Applied Materials & Interfaces*, **2021**, 13, 28737-28748	9.5	6
59	Activation-free fabrication of high-surface-area porous carbon nanosheets from conjugated copolymers. *Chemical Communications*, **2018**, 54, 11431-11434	5.8	6
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57	Studies on solid-state polymer composite electrolyte of nano-silica/hyperbranched poly(amine-ester). *Journal of Solid State Electrochemistry*, **2016**, 20, 1845-1854	2.6	5
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55	Manipulation of the phase structure of vinyl-functionalized phenylene bridging periodic mesoporous organosilica. *Journal of Sol-Gel Science and Technology*, **2012**, 64, 718-727	2.3	5

54	Dynamic rheological behavior and morphology of poly(trimethylene terephthalate)/poly(ethylene octene) copolymer blends. *Journal of Applied Polymer Science*, **2010**, 115, 1015-1021	2.9	5
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