

Ming Qiu Zhang

List of Publications by Year in descending order

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211
papers

9,474
citations

41344

49
h-index

46799

89
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222
all docs

222
docs citations

222
times ranked

8981
citing authors

#	ARTICLE	IF	CITATIONS
1	Stepless shape morphing polymer. <i>SmartMat</i> , 2023, 4, .	10.7	3
2	UVâ€Curable Polyurethane Elastomer with UVâ€Irradiation/Thermo Dualâ€Activated Selfâ€Healability. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	6
3	Enhancement of intrinsic thermal conductivity of liquid crystalline epoxy through the strategy of interlocked polymer networks. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1137-1149.	5.9	12
4	A novel strategy for producing highâ€performance continuous regenerated fibers with woolâ€like structure. <i>SusMat</i> , 2022, 2, 90-103.	14.9	7
5	Ionic Thermoelectric Effect Inducing Cationâ€Enriched Surface of Hydrogel to Enhance Output Performance of Triboelectric Nanogenerator. <i>Energy Technology</i> , 2022, 10, .	3.8	10
6	Controllable Depolymerization and Recovery of Interlocked Covalent Adaptable Networks via Cascading Reactions of the Built-In Reversible Bonds. <i>Macromolecules</i> , 2022, 55, 262-269.	4.8	11
7	Dual-crosslinking side chains with an asymmetric chain structure: a facile pathway to a robust, self-healable, and re-dissolvable polysiloxane elastomer for recyclable flexible devices. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11019-11029.	10.3	17
8	Tailored modular assembly derived self-healing polythioureas with largely tunable properties covering plastics, elastomers and fibers. <i>Nature Communications</i> , 2022, 13, 2633.	12.8	19
9	Mechanical enhancement mechanism of interlocked polymer networks. <i>Materials Today Physics</i> , 2022, 27, 100768.	6.0	6
10	Facile synthesis of copper selenides with different stoichiometric compositions and their thermoelectric performance at a low temperature range. <i>RSC Advances</i> , 2021, 11, 25955-25960.	3.6	13
11	Flexible Quasi-Solid-State Composite Electrolyte of Poly (Propylene Glycol)-co-Pentaerythritol Triacry-Late/Li1.5Al0.5Ge1.5(PO4)3 for High-Performance Lithium-Sulfur Battery. <i>Materials</i> , 2021, 14, 1979.	2.9	7
12	Adaptable Reversibly Interlocked Networks from Immiscible Polymers Enhanced by Hierarchy-Induced Multilevel Energy Consumption Mechanisms. <i>Macromolecules</i> , 2021, 54, 4802-4815.	4.8	27
13	Preparation of a water soluble aminated Î²â€D-glucan for gene carrier: The in vitro study of the antiâ€inflammatory activity and transfection efficiency. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2506-2515.	4.0	1
14	Dynamically Cross-Linked Polymeric Binder-Made Durable Silicon Anode of a Wide Operating Temperature Li-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28737-28748.	8.0	28
15	Thermally conductive glass fiber reinforced epoxy composites with intrinsic self-healing capability. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1048-1058.	21.1	60
16	Self-healing and reprocessing of transparent UV-cured polysiloxane elastomer. <i>Progress in Organic Coatings</i> , 2021, 159, 106450.	3.9	13
17	The critical role of inter-component hydrogen bonds in the formation of reversibly interlocked polymer networks. <i>Materials Chemistry Frontiers</i> , 2021, 6, 52-62.	5.9	10
18	Topological rearrangement-derived homogeneous polymer networks capable of reversibly interlocking: From phantom to reality and beyond. <i>Materials Today</i> , 2020, 33, 45-55.	14.2	33

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19	Adaptable Interlocking Macromolecular Networks with Homogeneous Architecture Made from Immiscible Single Networks. <i>Macromolecules</i> , 2020, 53, 584-593.	4.8	67
20	Improvement of multiple-responsive shape memory effects of wool through increasing the content of disulfide bonds. <i>Polymer</i> , 2020, 188, 122130.	3.8	9
21	Continuous High-Content Keratin Fibers with Balanced Properties Derived from Wool Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18148-18156.	6.7	30
22	Implementation of the Pulley Effect of Polyrotaxane in Transparent Bulk Polymer for Simultaneous Strengthening and Toughening. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000371.	3.9	15
23	Reversibly Interlocked Macromolecule Networks with Enhanced Mechanical Properties and Wide pH Range of Underwater Self-Healability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27614-27624.	8.0	41
24	Performance improvement of N-doped carbon ORR catalyst via large through-hole structure. <i>Nanotechnology</i> , 2020, 31, 335717.	2.6	19
25	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	5.9	117
26	Photo-induced topological self-reorganization and self-growth of polymer based on dynamic reversible aromatic pinacol units. <i>Polymer</i> , 2020, 192, 122299.	3.8	8
27	Repeatedly Intrinsic Self-Healing of Millimeter-Scale Wounds in Polymer through Rapid Volume Expansion Aided Host-Guest Interaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22534-22542.	8.0	29
28	External Stress-Free Reversible Multiple Shape Memory Polymers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31346-31355.	8.0	25
29	Core-Shell Structure Design of Hollow Mesoporous Silica Nanospheres Based on Thermo-Sensitive PNIPAM and pH-Responsive Catechol-Fe ³⁺ Complex. <i>Polymers</i> , 2019, 11, 1832.	4.5	19
30	Imparting External Stress-Free Two-Way Shape Memory Effect to Commodity Polyolefins by Manipulation of Their Hierarchical Structures. <i>ACS Macro Letters</i> , 2019, 8, 1141-1146.	4.8	24
31	A facile and scalable process to synthesize flexible lithium ion conductive glass-ceramic fibers. <i>RSC Advances</i> , 2019, 9, 4157-4161.	3.6	16
32	A sunlight self-healable transparent strain sensor with high sensitivity and durability based on a silver nanowire/polyurethane composite film. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2315-2325.	10.3	86
33	Nanopore separator of cross-linked poly(propylene glycol)-pentaerythritol triacrylate for effectively suppressing polysulfide shuttling in Li-S batteries. <i>Polymer Chemistry</i> , 2019, 10, 2697-2705.	3.9	8
34	Self-Healable and thiol-ene UV-curable waterborne polyurethane for anticorrosion coating. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47700.	2.6	20
35	Well-dispersed CoO embedded in 3D N-S-doped carbon framework through morphology-retaining pyrolysis as efficient oxygen reduction and evolution electrocatalyst. <i>Electrochimica Acta</i> , 2019, 295, 624-631.	5.2	21
36	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. <i>Journal of Energy Chemistry</i> , 2019, 34, 220-226.	12.9	20

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37	Highly conductive doped carbon framework as binder-free cathode for hybrid Li-O ₂ battery. <i>Carbon</i> , 2019, 142, 177-189.	10.3	13
38	Photo-crosslinkable, self-healable and reprocessable rubbers. <i>Chemical Engineering Journal</i> , 2019, 358, 878-890.	12.7	141
39	Cobalt and nitrogen codoped ultrathin porous carbon nanosheets as bifunctional electrocatalysts for oxygen reduction and evolution. <i>Carbon</i> , 2019, 141, 704-711.	10.3	53
40	Effect of multiwalled carbon nanotubes and phenethyl-bridged DOPO derivative on flame retardancy of epoxy resin. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	25
41	Mechanically Robust, Self-Healable, and Highly Stretchable "Living" Crosslinked Polyurethane Based on a Reversible C≡C Bond. <i>Advanced Functional Materials</i> , 2018, 28, 1706050.	14.9	155
42	Integrative solar absorbers for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4642-4648.	10.3	135
43	Polymer engineering based on reversible covalent chemistry: A promising innovative pathway towards new materials and new functionalities. <i>Progress in Polymer Science</i> , 2018, 80, 39-93.	24.7	419
44	Novel flame retardancy effect of phenethyl-bridged DOPO derivative on epoxy resin. <i>High Performance Polymers</i> , 2018, 30, 667-676.	1.8	13
45	Toughness of ABS/PBT blends: The relationship between composition, morphology, and fracture behavior. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46051.	2.6	14
46	Enhanced flame retardancy of epoxy resin containing a phenethyl-bridged DOPO derivative/montmorillonite compound. <i>Journal of Fire Sciences</i> , 2018, 36, 47-62.	2.0	14
47	Interface Engineering of Carbon-Based Nanocomposites for Advanced Electrochemical Energy Storage. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800430.	3.7	95
48	Repeated Intrinsic Self-Healing of Wider Cracks in Polymer via Dynamic Reversible Covalent Bonding Molecularly Combined with a Two-Way Shape Memory Effect. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38538-38546.	8.0	101
49	Activation-free fabrication of high-surface-area porous carbon nanosheets from conjugated copolymers. <i>Chemical Communications</i> , 2018, 54, 11431-11434.	4.1	14
50	Antigen uptake and immunoadjuvant activity of pathogen-mimetic hollow silica particles conjugated with I ² -glucan. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6288-6301.	5.8	8
51	3D N-doped carbon framework with embedded CoS nanoparticles as highly active and durable oxygen reduction and evolution electrocatalyst. <i>Nanotechnology</i> , 2018, 29, 465402.	2.6	13
52	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. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16053-16063.	10.3	68
53	Ultrathin-graphite foam with high mechanical resilience and electroconductibility fabricated through morphology-controlled solid-state pyrolysis of polyaniline foam. <i>Carbon</i> , 2018, 139, 648-655.	10.3	14
54	A Very Simple Strategy for Preparing External Stress-Free Two-Way Shape Memory Polymers by Making Use of Hydrogen Bonds. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700714.	3.9	33

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55	Synergistic effect of dual targeting vaccine adjuvant with aminated β -glucan and CpG-oligodeoxynucleotides for both humoral and cellular immune responses. <i>Acta Biomaterialia</i> , 2018, 78, 211-223.	8.3	42
56	Ultrahigh energy fiber-shaped supercapacitors based on porous hollow conductive polymer composite fiber electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12250-12258.	10.3	45
57	Multiply fully recyclable carbon fibre reinforced heat-resistant covalent thermosetting advanced composites. <i>Nature Communications</i> , 2017, 8, 14657.	12.8	169
58	Fabrication and nanostructure control of super-hierarchical carbon materials from heterogeneous bottlebrushes. <i>Chemical Science</i> , 2017, 8, 2101-2106.	7.4	62
59	A Facile Approach Toward Scalable Fabrication of Reversible Shape-Memory Polymers with Bonded Elastomer Microphases as Internal Stress Provider. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700124.	3.9	40
60	A facile method for imparting sunlight driven catalyst-free self-healability and recyclability to commercial silicone elastomer. <i>Polymer</i> , 2017, 108, 339-347.	3.8	69
61	Bridging Redox Species-Coated Graphene Oxide Sheets to Electrode for Extending Battery Life Using Nanocomposite Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 909-918.	8.0	10
62	Flame-retardant effect of a phenethyl-bridged DOPO derivative and layered double hydroxides for epoxy resin. <i>RSC Advances</i> , 2017, 7, 46236-46245.	3.6	35
63	Synthesis of novel hierarchical porous polymers with a nanowire-interconnected network structure from core-shell polymer nanoobjects. <i>Science China Chemistry</i> , 2017, 60, 1084-1089.	8.2	2
64	Self-Healing of Polymer in Acidic Water toward Strength Restoration through the Synergistic Effect of Hydrophilic and Hydrophobic Interactions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37300-37309.	8.0	39
65	Moisture Battery Formed by Direct Contact of Magnesium with Foamed Polyaniline. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1805-1809.	13.8	31
66	Self-healing of thermally molded commodity plastics based on heat-resistant and anti-aging healing systems. <i>RSC Advances</i> , 2016, 6, 93410-93418.	3.6	3
67	Self-healing, Reshaping, and Recycling of Vulcanized Chloroprene Rubber: A Case Study of Multitask Cyclic Utilization of Cross-linked Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2715-2724.	6.7	106
68	Reply to the "Comment on "Observation of mutual diffusion of macromolecules in PS/PMMA binary films by confocal Raman microscopy" by J. Pablo Tomba, <i>Soft Matter</i> , 2016, DOI: 10.1039/C5SM02735G. <i>Soft Matter</i> , 2016, 12, 4514-4515.	2.7	1
69	Molecular chain bonding synthesis of nanoporous, flexible and conductive polymer composite with outstanding performance for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10091-10097.	10.3	15
70	Stabilization of catechol-boronic ester bonds for underwater self-healing and recycling of lipophilic bulk polymer in wider pH range. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14122-14131.	10.3	75
71	Self-healing epoxy with a fast and stable extrinsic healing system based on BF ₃ -amine complex. <i>RSC Advances</i> , 2016, 6, 100796-100803.	3.6	8
72	Moisture Battery Formed by Direct Contact of Magnesium with Foamed Polyaniline. <i>Angewandte Chemie</i> , 2016, 128, 1837-1841.	2.0	11

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73	Sunlight driven self-healing, reshaping and recycling of a robust, transparent and yellowing-resistant polymer. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10683-10690.	10.3	177
74	Studies on solid-state polymer composite electrolyte of nano-silica/hyperbranched poly(amine-ester). <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1845-1854.	2.5	7
75	Preparation of graphene oxide and polymer-like quantum dots and their one- and two-photon induced fluorescence properties. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4800-4806.	2.8	49
76	A thermally remendable and reprocessable crosslinked methyl methacrylate polymer based on oxygen insensitive dynamic reversible C=ON bonds. <i>RSC Advances</i> , 2016, 6, 6350-6357.	3.6	32
77	A seawater triggered dynamic coordinate bond and its application for underwater self-healing and reclaiming of lipophilic polymer. <i>Chemical Science</i> , 2016, 7, 2736-2742.	7.4	97
78	Strong contribution of pore morphology to the high-rate electrochemical performance of lithium-ion batteries. <i>Chemical Communications</i> , 2016, 52, 803-806.	4.1	20
79	Studies on synergistic effect of CNT and CB nanoparticles on PVDF. <i>Polymer Composites</i> , 2015, 36, 2248-2254.	4.6	26
80	Synthesis and characterization of nano-modified permeability membrane. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1346-1350.	3.2	2
81	Effect of migration of layered nanoparticles during melt blending on the phase morphology of poly(ethylene terephthalate)/polyamide 6/montmorillonite ternary nanocomposites. <i>RSC Advances</i> , 2015, 5, 29924-29930.	3.6	22
82	Self-healing polyvinyl chloride (PVC) based on microencapsulated nucleophilic thiol-click chemistry. <i>Polymer</i> , 2015, 69, 1-9.	3.8	53
83	Thermo-moldable self-healing commodity plastics with heat resisting and oxygen-insensitive healant capable of room temperature redox cationic polymerization. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1858-1862.	10.3	24
84	Silica nanonetwork confined in nitrogen-doped ordered mesoporous carbon framework for high-performance lithium-ion battery anodes. <i>Nanoscale</i> , 2015, 7, 3971-3975.	5.6	86
85	Self-healing polymeric materials based on microencapsulated healing agents: From design to preparation. <i>Progress in Polymer Science</i> , 2015, 49-50, 175-220.	24.7	443
86	Control of plasmonic fluorescence enhancement on self-assembled 2-D colloidal crystals. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6185-6191.	5.5	21
87	Polyimide/Crown Ether Composite Films with Necklace-Like Supramolecular Structure and Improved Mechanical, Dielectric, and Hydrophobic Properties. <i>Macromolecules</i> , 2015, 48, 2173-2183.	4.8	44
88	Catalyst-free dynamic exchange of aromatic Schiff base bonds and its application to self-healing and remolding of crosslinked polymers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19662-19668.	10.3	166
89	Ethylene vinyl acetate films filled with ytterbium containing rare earth particles (Y ₂ SiO ₅ : Ce ³⁺ , Yb ³⁺) which have optical down-conversion capabilities and useful for encapsulating solar cells. <i>Journal of Plastic Film and Sheeting</i> , 2015, 31, 233-247.	2.2	9
90	Self-healing polymeric materials towards non-structural recovery of functional properties. <i>Polymer International</i> , 2014, 63, 1741-1749.	3.1	49

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91	Reversible surface wettability conversion of graphene films: optically controlled mechanism. <i>Journal of Materials Science</i> , 2014, 49, 3025-3033.	3.7	11
92	Room-Temperature Self-Healable and Remoldable Cross-linked Polymer Based on the Dynamic Exchange of Disulfide Bonds. <i>Chemistry of Materials</i> , 2014, 26, 2038-2046.	6.7	459
93	Self-healing polyurethane elastomer with thermally reversible alkoxyamines as crosslinkages. <i>Polymer</i> , 2014, 55, 1782-1791.	3.8	155
94	Studies on the transformation process of PVDF from β to α phase by stretching. <i>RSC Advances</i> , 2014, 4, 3938-3943.	3.6	263
95	Application of alkoxyamine in self-healing of epoxy. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6558-6566.	10.3	70
96	Quantitative description of aggregation and dissociation of poly (vinyl methyl ether)/poly (2-ethyl-2-oxazoline) chains in water by novel elastic light scattering spectroscopy. <i>Polymer Bulletin</i> , 2014, 71, 243-260.	3.3	7
97	High-water-content graphene oxide/polyvinyl alcohol hydrogel with excellent mechanical properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10508-10515.	10.3	109
98	Free radical polymerization aided self-healing. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 31-39.	2.5	26
99	Strategy of fabrication of controlled thermosetting gel based on soybean oil towards supercritical carbon dioxide foaming. <i>Green Chemistry</i> , 2014, 16, 1225-1235.	9.0	6
100	Alkoxyamine with reduced homolysis temperature and its application in repeated autonomous self-healing of stiff polymers. <i>Polymer Chemistry</i> , 2013, 4, 4648.	3.9	124
101	Effective excitation and control of guided surface plasmon polaritons in a conjugated polymer-silver nanowire composite system. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1265-1271.	5.5	23
102	Intrinsic self-healing of covalent polymers through bond reconnection towards strength restoration. <i>Polymer Chemistry</i> , 2013, 4, 4878.	3.9	134
103	Rigid bio-foam plastics with intrinsic flame retardancy derived from soybean oil. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2533.	10.3	37
104	Thermo-molded self-healing thermoplastics containing multilayer microreactors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7191.	10.3	51
105	Manipulation of the phase structure of vinyl-functionalized phenylene bridging periodic mesoporous organosilica. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 718-727.	2.4	5
106	A strategy for significant improvement of strength of semi-crystalline polymers with the aid of nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 4592.	6.7	19
107	Observation of mutual diffusion of macromolecules in PS/PMMA binary films by confocal Raman microscopy. <i>Soft Matter</i> , 2012, 8, 4780-4787.	2.7	25
108	Polyaniline nanotube arrays as high-performance flexible electrodes for electrochemical energy storage devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 2401.	6.7	149

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109	Reversibility of solid state radical reactions in thermally remendable polymers with Câ€“ON bonds. Journal of Materials Chemistry, 2012, 22, 13076.	6.7	44
110	Friction and Wear of Epoxy Composites Containing Silica Nanoparticles Grafted by Hyperbranched Aromatic Polyamide. Polymers and Polymer Composites, 2012, 20, 673-682.	1.9	5
111	Theoretical consideration and modeling of selfâ€“healing polymers. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 229-241.	2.1	67
112	â€“Bridgeâ€“™ effect of CdS nanoparticles in the interface of grapheneâ€“ polyaniline composites. Journal of Materials Chemistry, 2012, 22, 10999.	6.7	29
113	Competition Between Motion Constraint and Aggregation of Macromolecular Chains in Poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlock Chemistry and Physics, 2012, 213, 1735-1741.	2.2	3
114	Design and synthesis of self-healing polymers. Science China Chemistry, 2012, 55, 648-676.	8.2	60
115	Competitive mechanism of poly(ethylene glycol) with poly(vinyl methyl ether) in complexing water molecules revealed with elastic light scattering spectroscopy. Polymer Bulletin, 2012, 68, 425-440.	3.3	3
116	Self-healing of thermoplastics via reversible additionâ€“fragmentation chain transfer polymerization. Journal of Materials Chemistry, 2011, 21, 9060.	6.7	35
117	Self-Healing of Polymers via Synchronous Covalent Bond Fission/Radical Recombination. Chemistry of Materials, 2011, 23, 5076-5081.	6.7	198
118	Coumarin imparts repeated photochemical remendability to polyurethane. Journal of Materials Chemistry, 2011, 21, 18373.	6.7	183
119	A facile heteroaggregate-template route to hollow magnetic mesoporous spheres with tunable shell structures. Journal of Materials Chemistry, 2011, 21, 9020.	6.7	36
120	Dynamic rheological behavior and morphology of poly(trimethylene terephthalate)/poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.6	6
121	Synthesis and characterization of epoxy with improved thermal remendability based on Dielsâ€“Alder reaction. Polymer International, 2010, 59, 1339-1345.	3.1	122
122	A dual mechanism single-component self-healing strategy for polymers. Journal of Materials Chemistry, 2010, 20, 6030.	6.7	103
123	Self-Healing of Thermoplastics via Living Polymerization. Macromolecules, 2010, 43, 595-598.	4.8	71
124	Imparting Ultraâ€“Low Friction and Wear Rate to Epoxy by the Incorporation of Microencapsulated Lubricant?. Macromolecular Materials and Engineering, 2009, 294, 20-24.	3.6	76
125	Microencapsulation of styrene with melamine-formaldehyde resin. Colloid and Polymer Science, 2009, 287, 1089-1097.	2.1	56
126	Plant oilâ€“based biofoam composites with balanced performance. Polymer International, 2009, 58, 403-411.	3.1	18

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127	A thermally remendable epoxy resin. Journal of Materials Chemistry, 2009, 19, 1289.	6.7	237
128	A Comparative Study of Nanosilica/Poly(propylene) Composites Prepared by Reactive Compatibilization. Macromolecular Chemistry and Physics, 2008, 209, 1826-1835.	2.2	14
129	Dynamic rheological and morphological study of the compatibility of thermoplastic polyurethane/ethylene- α -octene copolymer blends. Journal of Applied Polymer Science, 2008, 109, 3452-3457.	2.6	9
130	Interfacial effects in short sisal fiber/maleated castor oil foam composites. Composite Interfaces, 2008, 15, 95-110.	2.3	14
131	Self-Healing Polymeric Materials Using Epoxy/Mercaptan as the Healant. Macromolecules, 2008, 41, 5197-5202.	4.8	393
132	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.	3.4	10
133	Compatibility Study of Polyamide 6/Polyvinylpyrrolidone Blend by Viscometry, Melting Point Depression and Morphological Analysis. Polymers and Polymer Composites, 2008, 16, 627-633.	1.9	2
134	Performance Improvement of Nano-silica/Polypropylene Composites through in-situ Graft Modification of Nanoparticles during Melt Compounding. E-Polymers, 2007, 7, .	3.0	5
135	Fabrication and characterization of PbS/multiwalled carbon nanotube heterostructures. Applied Physics Letters, 2007, 90, 161103.	3.3	19
136	A Novel Self-Healing Epoxy System with Microencapsulated Epoxy and Imidazole Curing Agent. Advanced Composites Letters, 2007, 16, 096369350701600.	1.3	37
137	Tribological Behaviours of Epoxy Composites Filled with Silicon Carbide Nanoparticles. Advanced Composites Letters, 2007, 16, 096369350701600.	1.3	1
138	Tribological behavior of epoxy composites containing reactive SiC nanoparticles. Journal of Applied Polymer Science, 2007, 104, 2608-2619.	2.6	24
139	Localized compatibilization in immiscible blends of thermoplastic polyurethane and ethylene-octylene copolymer. Journal of Applied Polymer Science, 2007, 105, 1309-1315.	2.6	4
140	Role of reactive compatibilization in preparation of nanosilica/polypropylene composites. Polymer Engineering and Science, 2007, 47, 499-509.	3.1	43
141	Analysis of gas sensing behaviors of carbon black/waterborne polyurethane composites in low concentration organic vapors. Journal of Materials Science, 2007, 42, 4575-4580.	3.7	10
142	Polyurethane/Polyolefin Blends: Morphology, Compatibilization and Mechanical Properties. Polymers and Polymer Composites, 2006, 14, 1-11.	1.9	10
143	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	12
144	Effects of reactive compatibilization on the performance of nano-silica filled polypropylene composites. Journal of Materials Science, 2006, 41, 5767-5770.	3.7	29

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145	Studies on the morphology and the thermal properties of high-density polyethylene filled with graphite. <i>Journal of Materials Science</i> , 2006, 41, 3175-3178.	3.7	17
146	Dynamic viscoelasticity of low-density polyethylene/in-situ-grafted carbon black composite. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4127-4132.	2.6	4
147	Surface functionalization of Si ₃ N ₄ nanoparticles by graft polymerization of glycidyl methacrylate and styrene. <i>Journal of Applied Polymer Science</i> , 2006, 102, 992-999.	2.6	4
148	Fabrication of Nanoparticle/Polymer Composites by In Situ Bubble-Stretching and Reactive Compatibilization. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 2093-2102.	2.2	16
149	Effect of Drawing Induced Dispersion of Nano-Silica on Performance Improvement of Poly(propylene)-Based Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2006, 27, 581-585.	3.9	38
150	Optical properties of synthesized organic nanowires. <i>Applied Physics Letters</i> , 2006, 89, 241121.	3.3	6
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