

Ming Qiu Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A novel strategy for producing high-performance continuous regenerated fibers with wool-like structure. <i>SusMat</i> , 2022 , 2, 90-103		1
214	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	5.5	1
213	Intrinsic Self-Healing Via the Diels-Alder Reaction 2022 , 223-249		
212	Intrinsic Self-Healing Via Exchange Reaction of the Disulfide Bond 2022 , 288-331		
211	Extrinsic Self-Healing via Addition Polymerization 2022 , 64-107		
210	Extrinsic Self-Healing via Anionic Polymerization 2022 , 159-188		
209	Extrinsic Self-Healing Via Miscellaneous Reactions 2022 , 189-222		
208	Extrinsic Self-Healing Via Cationic Polymerization 2022 , 108-158		
207	Intrinsic Self-Healing Via Synchronous Fission/Radical Recombination of the C-ON Bond 2022 , 250-287		
206	Basics of Self-Healing [State of the Art 2022 , 1-63		
205	Tailored modular assembly derived self-healing polythioureas with largely tunable properties covering plastics, elastomers and fibers.. <i>Nature Communications</i> , 2022 , 13, 2633	17.4	2
204	Flexible Quasi-Solid-State Composite Electrolyte of Poly (Propylene Glycol)-co-Pentaerythritol Triacry-Late/LiAlGe(PO) for High-Performance Lithium-Sulfur Battery. <i>Materials</i> , 2021 , 14,	3.5	3
203	Adaptable Reversibly Interlocked Networks from Immiscible Polymers Enhanced by Hierarchy-Induced Multilevel Energy Consumption Mechanisms. <i>Macromolecules</i> , 2021 , 54, 4802-4815	5.5	5
202	Preparation of a water soluble aminated β 1,3-D-glucan for gene carrier: The in vitro study of the anti-inflammatory activity and transfection efficiency. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 2506-2515	5.4	1
201	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	9.5	6
200	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	3.7	3
199	Self-healing and reprocessing of transparent UV-cured polysiloxane elastomer. <i>Progress in Organic Coatings</i> , 2021 , 159, 106450	4.8	0

198	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	9.5	15
197	Performance improvement of N-doped carbon ORR catalyst via large through-hole structure. <i>Nanotechnology</i> , 2020 , 31, 335717	3.4	9
196	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1803-1915	7.8	70
195	Photo-induced topological self-reorganization and self-growth of polymer based on dynamic reversible aromatic pinacol units. <i>Polymer</i> , 2020 , 192, 122299	3.9	4
194	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	9.5	15
193	Topological rearrangement-derived homogeneous polymer networks capable of reversibly interlocking: From phantom to reality and beyond. <i>Materials Today</i> , 2020 , 33, 45-55	21.8	14
192	Adaptable Interlocking Macromolecular Networks with Homogeneous Architecture Made from Immiscible Single Networks. <i>Macromolecules</i> , 2020 , 53, 584-593	5.5	31
191	Improvement of multiple-responsive shape memory effects of wool through increasing the content of disulfide bonds. <i>Polymer</i> , 2020 , 188, 122130	3.9	7
190	Continuous High-Content Keratin Fibers with Balanced Properties Derived from Wool Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18148-18156	8.3	13
189	Implementation of the Pulley Effect of Polyrotaxane in Transparent Bulk Polymer for Simultaneous Strengthening and Toughening. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000371	4.8	4
188	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	6.6	13
187	A facile and scalable process to synthesize flexible lithium ion conductive glass-ceramic fibers.. <i>RSC Advances</i> , 2019 , 9, 4157-4161	3.7	14
186	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	13	63
185	Nanopore separator of cross-linked poly(propylene glycol)-co-pentaerythritol triacrylate for effectively suppressing polysulfide shuttling in LiB batteries. <i>Polymer Chemistry</i> , 2019 , 10, 2697-2705	4.9	5
184	Self-healable and thiol-ene UV-curable waterborne polyurethane for anticorrosion coating. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47700	2.9	11
183	External Stress-Free Reversible Multiple Shape Memory Polymers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31346-31355	9.5	16
182	Core-Shell Structure Design of Hollow Mesoporous Silica Nanospheres Based on Thermo-Sensitive PNIPAM and pH-Responsive Catechol-Fe Complex. <i>Polymers</i> , 2019 , 11,	4.5	8
181	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	6.7	18

180	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	15
179	Highly conductive doped carbon framework as binder-free cathode for hybrid Li-O ₂ battery. <i>Carbon</i> , 2019 , 142, 177-189	10.4	11
178	Photo-crosslinkable, self-healable and reprocessable rubbers. <i>Chemical Engineering Journal</i> , 2019 , 358, 878-890	14.7	86
177	Cobalt and nitrogen codoped ultrathin porous carbon nanosheets as bifunctional electrocatalysts for oxygen reduction and evolution. <i>Carbon</i> , 2019 , 141, 704-711	10.4	37
176	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	2.7	17
175	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	15.6	110
174	Integrative solar absorbers for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4642-4648	13	96
173	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	29.6	285
172	Novel flame retardancy effect of phenethyl-bridged DOPO derivative on epoxy resin. <i>High Performance Polymers</i> , 2018 , 30, 667-676	1.6	9
171	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	13	52
170	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	10.4	13
169	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	4.8	21
168	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	10.8	25
167	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	13	29
166	Toughness of ABS/PBT blends: The relationship between composition, morphology, and fracture behavior. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46051	2.9	8
165	Enhanced flame retardancy of epoxy resin containing a phenethyl-bridged DOPO derivative/montmorillonite compound. <i>Journal of Fire Sciences</i> , 2018 , 36, 47-62	1.5	13
164	Interface Engineering of Carbon-Based Nanocomposites for Advanced Electrochemical Energy Storage. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800430	4.6	76
163	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	9.5	75

162	Activation-free fabrication of high-surface-area porous carbon nanosheets from conjugated copolymers. <i>Chemical Communications</i> , 2018 , 54, 11431-11434	5.8	6
161	Antigen uptake and immunoadjuvant activity of pathogen-mimetic hollow silica particles conjugated with Eglucan. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 6288-6301	7.3	5
160	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	3.4	10
159	Multiply fully recyclable carbon fibre reinforced heat-resistant covalent thermosetting advanced composites. <i>Nature Communications</i> , 2017 , 8, 14657	17.4	99
158	Fabrication and nanostructure control of super-hierarchical carbon materials from heterogeneous bottlebrushes. <i>Chemical Science</i> , 2017 , 8, 2101-2106	9.4	56
157	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	4.8	27
156	A facile method for imparting sunlight driven catalyst-free self-healability and recyclability to commercial silicone elastomer. <i>Polymer</i> , 2017 , 108, 339-347	3.9	44
155	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	9.5	9
154	Flame-retardant effect of a phenethyl-bridged DOPO derivative and layered double hydroxides for epoxy resin. <i>RSC Advances</i> , 2017 , 7, 46236-46245	3.7	24
153	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	7.9	2
152	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	8.5	29
151	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	13	58
150	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	3.7	7
149	Moisture Battery Formed by Direct Contact of Magnesium with Foamed Polyaniline. <i>Angewandte Chemie</i> , 2016 , 128, 1837-1841	3.6	9
148	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	13	131
147	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	2.6	5
146	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, 4800-6	3.6	39
145	A thermally remendable and reprocessable crosslinked methyl methacrylate polymer based on oxygen insensitive dynamic reversible CDN bonds. <i>RSC Advances</i> , 2016 , 6, 6350-6357	3.7	25

144	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	9.4	79
143	Strong contribution of pore morphology to the high-rate electrochemical performance of lithium-ion batteries. <i>Chemical Communications</i> , 2016 , 52, 803-6	5.8	17
142	Moisture Battery Formed by Direct Contact of Magnesium with Foamed Polyaniline. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1805-9	16.4	27
141	Self-healing of thermally molded commodity plastics based on heat-resistant and anti-aging healing systems. <i>RSC Advances</i> , 2016 , 6, 93410-93418	3.7	3
140	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	8.3	75
139	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, 12, DOI: 10.1039/C5SM02735G. <i>Soft Matter</i> , 2016 , 12, 4514-5	3.6	1
138	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	13	9
137	Self-healing polymeric materials based on microencapsulated healing agents: From design to preparation. <i>Progress in Polymer Science</i> , 2015 , 49-50, 175-220	29.6	320
136	Control of plasmonic fluorescence enhancement on self-assembled 2-D colloidal crystals. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6185-6191	7.1	19
135	Polyimide/Crown Ether Composite Films with Necklace-Like Supramolecular Structure and Improved Mechanical, Dielectric, and Hydrophobic Properties. <i>Macromolecules</i> , 2015 , 48, 2173-2183	5.5	32
134	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	13	119
133	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	2.4	6
132	Studies on synergistic effect of CNT and CB nanoparticles on PVDF. <i>Polymer Composites</i> , 2015 , 36, 2248-2254	21	
131	Synthesis and characterization of nano-modified permeability membrane. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 1346-1350	3.2	2
130	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	3.7	22
129	Self-healing polyvinyl chloride (PVC) based on microencapsulated nucleophilic thiol-click chemistry. <i>Polymer</i> , 2015 , 69, 1-9	3.9	43
128	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	13	23
127	Silica nanonetwork confined in nitrogen-doped ordered mesoporous carbon framework for high-performance lithium-ion battery anodes. <i>Nanoscale</i> , 2015 , 7, 3971-5	7.7	76

126	Reversible surface wettability conversion of graphene films: optically controlled mechanism. <i>Journal of Materials Science</i> , 2014 , 49, 3025-3033	4.3	10
125	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	9.6	352
124	Self-healing polyurethane elastomer with thermally reversible alkoxyamines as crosslinkages. <i>Polymer</i> , 2014 , 55, 1782-1791	3.9	130
123	Studies on the transformation process of PVDF from β to α phase by stretching. <i>RSC Advances</i> , 2014 , 4, 3938-3943	3.7	179
122	Application of alkoxyamine in self-healing of epoxy. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6558-6566	13	60
121	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	2.4	7
120	High-water-content graphene oxide/polyvinyl alcohol hydrogel with excellent mechanical properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10508-10515	13	85
119	Free radical polymerization aided self-healing. <i>Journal of Intelligent Material Systems and Structures</i> , 2014 , 25, 31-39	2.3	23
118	Strategy of fabrication of controlled thermosetting gel based on soybean oil towards supercritical carbon dioxide foaming. <i>Green Chemistry</i> , 2014 , 16, 1225-1235	10	5
117	Self-healing polymeric materials towards non-structural recovery of functional properties. <i>Polymer International</i> , 2014 , 63, 1741-1749	3.3	45
116	Alkoxyamine with reduced homolysis temperature and its application in repeated autonomous self-healing of stiff polymers. <i>Polymer Chemistry</i> , 2013 , 4, 4648	4.9	109
115	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	7.1	21
114	Intrinsic self-healing of covalent polymers through bond reconnection towards strength restoration. <i>Polymer Chemistry</i> , 2013 , 4, 4878	4.9	121
113	Photochemically Remendable Polymers 2013 , 173-191		
112	Rigid bio-foam plastics with intrinsic flame retardancy derived from soybean oil. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2533	13	32
111	Thermo-molded self-healing thermoplastics containing multilayer microreactors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7191	13	44
110	Competitive mechanism of poly(ethylene glycol) with poly(vinyl methyl ether) in complexing water molecules revealed with elastic light scattering spectroscopy. <i>Polymer Bulletin</i> , 2012 , 68, 425-440	2.4	3
109	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	2.3	5

108	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		16
107	Observation of mutual diffusion of macromolecules in PS/PMMA binary films by confocal Raman microscopy. <i>Soft Matter</i> , 2012 , 8, 4780-4787	3.6	20
106	Polyaniline nanotube arrays as high-performance flexible electrodes for electrochemical energy storage devices. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2401		138
105	Reversibility of solid state radical reactions in thermally remendable polymers with C=N bonds. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13076		40
104	Friction and Wear of Epoxy Composites Containing Silica Nanoparticles Grafted by Hyperbranched Aromatic Polyamide. <i>Polymers and Polymer Composites</i> , 2012 , 20, 673-682	0.8	1
103	Theoretical consideration and modeling of self-healing polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 229-241	2.6	59
102	Bridge Effect of CdS nanoparticles in the interface of graphene/polyaniline composites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10999		26
101	Competition Between Motion Constraint and Aggregation of Macromolecular Chains in Poly(vinyl methyl ether)/Poly(ethylene oxide) Aqueous Solution During Phase Transition. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 1735-1741	2.6	3
100	Design and synthesis of self-healing polymers. <i>Science China Chemistry</i> , 2012 , 55, 648-676	7.9	53
99	Coumarin imparts repeated photochemical remendability to polyurethane. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18373		158
98	A facile heteroaggregate-template route to hollow magnetic mesoporous spheres with tunable shell structures. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9020		36
97	Self-healing of thermoplastics via reversible addition-fragmentation chain transfer polymerization. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9060		32
96	Self-Healing of Polymers via Synchronous Covalent Bond Fission/Radical Recombination. <i>Chemistry of Materials</i> , 2011 , 23, 5076-5081	9.6	180
95	A dual mechanism single-component self-healing strategy for polymers. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6030		94
94	Self-Healing of Thermoplastics via Living Polymerization. <i>Macromolecules</i> , 2010 , 43, 595-598	5.5	68
93	Dynamic rheological behavior and morphology of poly(trimethylene terephthalate)/poly(ethylene octene) copolymer blends. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1015-1021	2.9	5
92	Synthesis and characterization of epoxy with improved thermal remendability based on Diels-Alder reaction. <i>Polymer International</i> , 2010 , 59, 1339-1345	3.3	103
91	Imparting Ultra-Low Friction and Wear Rate to Epoxy by the Incorporation of Microencapsulated Lubricant?. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 20-24	3.9	61

90	Microencapsulation of styrene with melamine-formaldehyde resin. <i>Colloid and Polymer Science</i> , 2009 , 287, 1089-1097	2.4	52
89	Plant oil-based biofoam composites with balanced performance. <i>Polymer International</i> , 2009 , 58, 403-411	3.3	14
88	A thermally remendable epoxy resin. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1289		194
87	Interfacial effects in short sisal fiber/maleated castor oil foam composites. <i>Composite Interfaces</i> , 2008 , 15, 95-110	2.3	11
86	Self-Healing Polymeric Materials Using Epoxy/Mercaptan as the Healant. <i>Macromolecules</i> , 2008 , 41, 5197-5202	5.5	358
85	Influence of Compatibilizer on Morphology and Dynamic Rheological Behavior of Polyethylene-Octene Elastomer/Starch Blends. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2008 , 57, 362-373	3	10
84	Compatibility Study of Polyamide 6/Polyvinylpyrrolidone Blend by Viscometry, Melting Point Depression and Morphological Analysis. <i>Polymers and Polymer Composites</i> , 2008 , 16, 627-633	0.8	0
83	A Comparative Study of Nanosilica/Poly(propylene) Composites Prepared by Reactive Compatibilization. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 1826-1835	2.6	11
82	Dynamic rheological and morphological study of the compatibility of thermoplastic polyurethane/ethyleneoctene copolymer blends. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3452-3459	2.9	9
81	A Novel Self-Healing Epoxy System with Microencapsulated Epoxy and Imidazole Curing Agent. <i>Advanced Composites Letters</i> , 2007 , 16, 096369350701600	1.2	34
80	Tribological Behaviours of Epoxy Composites Filled with Silicon Carbide Nanoparticles. <i>Advanced Composites Letters</i> , 2007 , 16, 096369350701600	1.2	1
79	Tribological behavior of epoxy composites containing reactive SiC nanoparticles. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 2608-2619	2.9	23
78	Localized compatibilization in immiscible blends of thermoplastic polyurethane and ethylene-octylene copolymer. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 1309-1315	2.9	3
77	Role of reactive compatibilization in preparation of nanosilica/polypropylene composites. <i>Polymer Engineering and Science</i> , 2007 , 47, 499-509	2.3	38
76	Analysis of gas sensing behaviors of carbon black/waterborne polyurethane composites in low concentration organic vapors. <i>Journal of Materials Science</i> , 2007 , 42, 4575-4580	4.3	8
75	Performance Improvement of Nano-silica/Polypropylene Composites through in-situ Graft Modification of Nanoparticles during Melt Compounding. <i>E-Polymers</i> , 2007 , 7,	2.7	2
74	Fabrication and characterization of PbS/multiwalled carbon nanotube heterostructures. <i>Applied Physics Letters</i> , 2007 , 90, 161103	3.4	19
73	Dynamic viscoelasticity of low-density polyethylene/in-situ-grafted carbon black composite. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 4127-4132	2.9	4

72	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	2.9	3
71	Fabrication of Nanoparticle/Polymer Composites by In Situ Bubble-Stretching and Reactive Compatibilization. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 2093-2102	2.6	15
70	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	4.8	33
69	Optical properties of synthesized organic nanowires. <i>Applied Physics Letters</i> , 2006 , 89, 241121	3.4	6
68	Polyurethane/Polyolefin Blends: Morphology, Compatibilization and Mechanical Properties. <i>Polymers and Polymer Composites</i> , 2006 , 14, 1-11	0.8	6
67	Effect of Soft Segments of Waterborne Polyurethane on Organic Vapor Sensitivity of Carbon Black Filled Waterborne Polyurethane Composites. <i>Polymer Journal</i> , 2006 , 38, 799-806	2.7	8
66	Effects of reactive compatibilization on the performance of nano-silica filled polypropylene composites. <i>Journal of Materials Science</i> , 2006 , 41, 5767-5770	4.3	23
65	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	4.3	16
64	Grafting of Poly(glycidyl methacrylate) onto Nano-SiO ₂ and Its Reactivity in Polymers. <i>Polymer Journal</i> , 2005 , 37, 677-685	2.7	8
63	Electrical resistance response of poly(ethylene oxide)-based conductive composites to organic vapors: Effect of filler content, vapor species, and temperature. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1517-1523	2.9	3
62	Time dependent percolation of carbon black filled polymer composites in response to solvent vapor. <i>Journal of Materials Science</i> , 2005 , 40, 2065-2068	4.3	9
61	Temperature-dependence of dynamic rheological properties for high-density polyethylene filled with graphite. <i>Journal of Materials Science</i> , 2005 , 40, 3539-3541	4.3	6
60	Irradiation-induced surface graft polymerization onto calcium carbonate nanoparticles and its toughening effects on polypropylene composites. <i>Polymer Engineering and Science</i> , 2005 , 45, 529-538	2.3	41
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