

# Hongwei Bai

## 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.

225  
papers

9,538  
citations

54  
h-index

86  
g-index

227  
ext. papers

10,614  
ext. citations

5.3  
avg, IF

6.36  
L-index

#	Paper	IF	Citations
225	Substantially Enhanced Stereocomplex Crystallization of Poly(L-lactide)/Poly(D-lactide) Blends by the Formation of Multi-Arm Stereo-Block Copolymers. <i>Crystals</i> , <b>2022</b> , 12, 210	2.3	1
224	Enhanced thermal conductivity and wear resistance of polytetrafluoroethylene via incorporating hexagonal boron nitride and alumina particles. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 51497	2.9	4
223	The effect of filler permittivity on the dielectric properties of polymer-based composites. <i>Composites Science and Technology</i> , <b>2022</b> , 222, 109342	8.6	2
222	The effect of annealing time on morphology, mechanical properties, and thermal conductivity of HDPE pipes produced by rotational shear. <i>Materials Today Communications</i> , <b>2022</b> , 31, 103321	2.5	
221	para-Aramid Nanofiber Membranes for High-Performance and Multifunctional Materials. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 747-758	5.6	0
220	Importance of Low-Temperature Melt-Mixing on the Construction of Stereocomplex Crystallites with Superior Nucleation Efficiency in Asymmetric Poly(l-lactide)/Poly(d-lactide) Blends. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2100091	3.9	3
219	Thermo-conductive phase change materials with binary fillers of core-shell-like distribution. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 144, 106326	8.4	6
218	A generalizable strategy toward highly tough and heat-resistant stereocomplex-type polylactide/elastomer blends with substantially enhanced melt processability. <i>Polymer</i> , <b>2021</b> , 224, 123736	3.9	13
217	Improving Impact Toughness of Polylactide/Ethylene-co-vinyl-acetate Blends via Adding Fumed Silica Nanoparticles: Effects of Specific Surface Area-dependent Interfacial Selective Distribution of Silica. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2021</b> , 39, 1040-1049	3.5	2
216	One-step alkyl-modification on boron nitride nanosheets for polypropylene nanocomposites with enhanced thermal conductivity and ultra-low dielectric loss. <i>Composites Science and Technology</i> , <b>2021</b> , 208, 108756	8.6	15
215	Controlling the selective distribution of hydrophilic silica nanoparticles in polylactide/ethylene-co-vinyl-acetate blends via tailoring the OH surface concentration of silica. <i>Composites Communications</i> , <b>2021</b> , 25, 100737	6.7	1
214	Fabrication of superhydrophilic and underwater superoleophobic membranes for fast and effective oil/water separation with excellent durability. <i>Journal of Membrane Science</i> , <b>2021</b> , 620, 118898	9.6	15
213	Highly thermo-conductive but electrically insulating filament via a volume-confinement self-assembled strategy for thermoelectric wearables. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 127764	14.7	3
212	Pursuit of the correlation between yield strength and crystallinity in sintering-molded UHMWPE. <i>Polymer</i> , <b>2021</b> , 215, 123352	3.9	8
211	Improved dielectric and energy storage properties of polypropylene by adding hybrid fillers and high-speed extrusion. <i>Polymer</i> , <b>2021</b> , 214, 123348	3.9	14
210	The effect of cellulose molecular weight on internal structure and properties of regenerated cellulose fibers as spun from the alkali/urea aqueous system. <i>Polymer</i> , <b>2021</b> , 215, 123379	3.9	5
209	Stereocomplex Crystallization Induced Significant Improvement in Transparency and Stiffness/Toughness Performance of Core-Shell Rubber Nanoparticles Toughened Poly(l-lactide) Blends. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2100021	3.9	2

208	Controlled Vertically Aligned Structures in Polymer Composites: Natural Inspiration, Structural Processing, and Functional Application. <i>Advanced Materials</i> , <b>2021</b> , e2103495	24	8
207	Low-temperature sintering of stereocomplex-type polylactide nascent powder: The role of poly(methyl methacrylate) in tailoring the interfacial crystallization between powder particles. <i>Polymer</i> , <b>2020</b> , 210, 123031	3.9	8
206	Addressing the challenge of fabricating a high content regenerated cellulose/nanomaterial composite: the magical effect of urea. <i>Green Chemistry</i> , <b>2020</b> , 22, 4121-4127	10	4
205	Manipulating the Strength-Toughness Balance of Poly(L-lactide) (PLLA) via Introducing Ductile Poly(E-caprolactone) (PCL) and Strong Shear Flow. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 1000-1009	3.9	7
204	Stereocomplex-type polylactide with remarkably enhanced melt-processability and electrical performance via incorporating multifunctional carbon black. <i>Polymer</i> , <b>2020</b> , 188, 122136	3.9	22
203	The effect of high-temperature annealing on thermal properties and morphology of polyethylene pipes prepared by rotational shear. <i>Polymer</i> , <b>2020</b> , 204, 122770	3.9	2
202	Toward all stereocomplex-type polylactide with outstanding melt stability and crystallizability via solid-state transesterification between enantiomeric poly(L-lactide) and poly(D-lactide). <i>Polymer</i> , <b>2020</b> , 205, 122850	3.9	11
201	Effect of thermal annealing on crystal structure and properties of PLLA/PCL blend. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	6
200	Facile one-step preparation of robust hydrophobic cotton fabrics by covalent bonding polyhedral oligomeric silsesquioxane for ultrafast oil/water separation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122391	14.7	51
199	Progresses in Manufacturing Techniques of Lithium-Ion Battery Separators in China. <i>Chinese Journal of Chemistry</i> , <b>2019</b> , 37, 1207-1215	4.9	22
198	Largely enhanced energy density of polypropylene based nanocomposites via synergistic hybrid fillers and high shear extrusion assisted dispersion. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 119, 134-144	8.4	20
197	Achieving all-polylactide fibers with significantly enhanced heat resistance and tensile strength via in situ formation of nanofibrillized stereocomplex polylactide. <i>Polymer</i> , <b>2019</b> , 166, 13-20	3.9	25
196	Preparation and Properties of Ultrathin Flexible Expanded Graphite Film via Adding Natural Rubber. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2019</b> , 37, 806-814	3.5	10
195	High impact performance induced by a synergistic effect of heteroepitaxy and oriented layer-unoriented layer alternated structure in iPP/HDPE injection molded part. <i>Polymer</i> , <b>2019</b> , 175, 206-214	3.9	14
194	Highly Sensitive, Ultrastretchable Strain Sensors Prepared by Pumping Hybrid Fillers of Carbon Nanotubes/Cellulose Nanocrystal into Electrospun Polyurethane Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12968-12977	9.5	87
193	The combined effect of reactive and high-shear extrusion on the phase morphologies and properties of PLA/OBC/EGMA ternary blends. <i>Polymer</i> , <b>2019</b> , 169, 66-73	3.9	22
192	Toward Supertough and Heat-Resistant Stereocomplex-Type Polylactide/Elastomer Blends with Impressive Melt Stability via in Situ Formation of Graft Copolymer during One-Pot Reactive Melt Blending. <i>Macromolecules</i> , <b>2019</b> , 52, 1718-1730	5.5	56
191	Surface modifications of boron nitride nanosheets for poly(vinylidene fluoride) based film capacitors: advantages of edge-hydroxylation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7664-7674	13	52

190	Remarkably Improved Impact Fracture Toughness of Isotactic Polypropylene via Combining the Effects of Shear Layer-Spherulites Layer Alternated Structure and Thermal Annealing. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 15069-15078	3.9	4
189	Fabrication of PLA/CNC/CNT conductive composites for high electromagnetic interference shielding based on Pickering emulsions method. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 125, 105558	8.4	40
188	Stereocomplex-type polylactide with bimodal melting temperature distribution: Toward desirable melt-processability and thermomechanical performance. <i>Polymer</i> , <b>2019</b> , 169, 21-28	3.9	17
187	A promising strategy for fabricating high-performance stereocomplex-type polylactide products via carbon nanotubes-assisted low-temperature sintering. <i>Polymer</i> , <b>2019</b> , 162, 50-57	3.9	23
186	Enhancing crystallization and mechanical properties of poly(lactic acid)/milled glass fiber composites via self-assembled nanoscale interfacial structures. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 117, 219-229	8.4	14
185	Manipulating the Filler Network Structure and Properties of Polylactide/Carbon Black Nanocomposites with the Aid of Stereocomplex Crystallites. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 4232-4240	3.8	20
184	Enhanced fracture energy during deformation through the construction of an alternating multilayered structure for polyolefin blends. <i>Polymer International</i> , <b>2018</b> , 67, 1094-1102	3.3	2
183	Influences of Coagulation Conditions on the Structure and Properties of Regenerated Cellulose Filaments via Wet-Spinning in LiOH/Urea Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 4056-4067	8.3	30
182	Synthesis of Janus POSS star polymer and exploring its compatibilization behavior for PLLA/PCL polymer blends. <i>Polymer</i> , <b>2018</b> , 136, 84-91	3.9	42
181	Polymorphic structures phase diagram of shear-induced isotactic polypropylene/carbon fiber cylindrites. <i>Materials and Design</i> , <b>2018</b> , 150, 40-48	8.1	4
180	Mechanical properties of polypropylene composites reinforced by hydrolyzed and microfibrillated Kevlar fibers. <i>Composites Science and Technology</i> , <b>2018</b> , 163, 141-150	8.6	35
179	A facile melt coating approach to fabricate macroscopic segregated polymer/carbon nanotube conductive composites with balanced properties. <i>Polymer Composites</i> , <b>2018</b> , 39, 841-847	3	4
178	Low-temperature sintering of stereocomplex-type polylactide nascent powder: The role of optical purity in directing the chain interdiffusion and cocrystallization across the particle interfaces. <i>Polymer</i> , <b>2018</b> , 150, 169-176	3.9	17
177	Preparation of Polylactide/Poly(ether)urethane Blends with Excellent Electro-actuated Shape Memory via Incorporating Carbon Black and Carbon Nanotubes Hybrids Fillers. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2018</b> , 36, 1175-1186	3.5	32
176	Morphology and internal structure control over PLA microspheres by compounding PLLA and PDLA and effects on drug release behavior. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 172, 105-112	6	17
175	Preparation of Polylactide Composite with Excellent Flame Retardance and Improved Mechanical Properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2018</b> , 36, 1385-1393	3.5	13
174	Significant toughness improvement in iPP/PLLA/EGMA blend by introducing dicumyl peroxide as the morphology governor. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 31-39	2.4	5
173	The effect of surface modification of glass fiber on the performance of poly(lactic acid) composites: Graphene oxide vs. silane coupling agents. <i>Applied Surface Science</i> , <b>2018</b> , 435, 1046-1056	6.7	41

172	The influence of blend composition and filler on the microstructure, crystallization, and mechanical behavior of polymer blends with multilayered structures. <i>Nanocomposites</i> , <b>2018</b> , 4, 178-189	3.4	1
171	Towards polylactide/core-shell rubber blends with balanced stiffness and toughness via the formation of rubber particle network with the aid of stereocomplex crystallites. <i>Polymer</i> , <b>2018</b> , 159, 23-31	3.9	21
170	A comparison study of high shear force and compatibilizer on the phase morphologies and properties of polypropylene/polylactide (PP/PLA) blends. <i>Polymer</i> , <b>2018</b> , 154, 119-127	3.9	32
169	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: From Compression Molding to Injection Molding. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1800178	3.9	9
168	Achieving a low electrical percolation threshold and superior mechanical performance in poly(L-lactide)/thermoplastic polyurethane/carbon nanotubes composites via tailoring phase morphology with the aid of stereocomplex crystallites. <i>RSC Advances</i> , <b>2017</b> , 7, 11076-11084	3.7	15
167	Facile preparation of rapidly electro-active shape memory thermoplastic polyurethane/polylactide blends via phase morphology control and incorporation of conductive fillers. <i>Polymer</i> , <b>2017</b> , 114, 28-35	3.9	66
166	Design of high-performance poly(l-lactide)/elastomer blends through anchoring carbon nanotubes at the interface with the aid of stereocomplex crystallization. <i>Polymer</i> , <b>2017</b> , 108, 38-49	3.9	36
165	Morphology Evolution of Polymer Blends under Intense Shear During High Speed Thin-Wall Injection Molding. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6257-6270	3.4	12
164	Tailor-Made Dispersion and Distribution of Stereocomplex Crystallites in Poly(l-lactide)/Elastomer Blends toward Largely Enhanced Crystallization Rate and Impact Toughness. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6271-6279	3.4	14
163	Effect of supercritical carbon dioxide treatment on structure and mechanical properties of nucleated polypropylene processed at different temperatures. <i>Polymer Testing</i> , <b>2017</b> , 60, 211-219	4.5	4
162	Enhanced shape memory property of polylactide/thermoplastic poly(ether)urethane composites via carbon black self-networking induced co-continuous structure. <i>Composites Science and Technology</i> , <b>2017</b> , 139, 8-16	8.6	60
161	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: Effect of Crystallinity. <i>Macromolecules</i> , <b>2017</b> , 50, 7611-7619	5.5	34
160	Recent Progress on the Confinement, Assembly, and Relaxation of Inorganic Functional Fillers in Polymer Matrix during Processing. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700444	4.8	13
159	Recent Advances in Processing of Stereocomplex-Type Polylactide. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700454	4.8	91
158	Optically transparent poly(methyl methacrylate) with largely enhanced mechanical and shape memory properties via in-situ formation of polylactide stereocomplex in the matrix. <i>Polymer</i> , <b>2017</b> , 126, 231-239	3.9	16
157	Simultaneously improving toughness and UV-resistance of polylactide/titanium dioxide nanocomposites by adding poly(ether)urethane. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 143, 136-144	4.7	19
156	Ultrahigh-performance electrospun polylactide membranes with excellent oil/water separation ability via interfacial stereocomplex crystallization. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19729-19737	4.7	50
155	Achieving excellent dispersion and electrical conductivity of olefin block copolymer/MWCNTs composites efficiently via high-shear processing. <i>Polymer</i> , <b>2017</b> , 123, 65-72	3.9	21

154	Toward uniform pore-size distribution and high porosity of isotactic polypropylene microporous membrane by adding a small amount of ultrafine full-vulcanized powder rubber. <i>Polymer</i> , <b>2016</b> , 103, 405-414	3.9	12
153	Transcrystallization of poly(L-lactic acid) on the surface of reduced graphene oxide fibers. <i>RSC Advances</i> , <b>2016</b> , 6, 100090-100097	3.7	7
152	Enhanced mechanical properties of olefin block copolymer by adding a quaternary ammonium salt functionalized graphene oxide. <i>RSC Advances</i> , <b>2016</b> , 6, 54785-54792	3.7	16
151	Stereocomplex crystallites induce simultaneous enhancement in impact toughness and heat resistance of injection-molded polylactide/polyurethane blends. <i>RSC Advances</i> , <b>2016</b> , 6, 17008-17015	3.7	20
150	Microfibrillated cellulose reinforced bio-based poly(propylene carbonate) with dual-responsive shape memory properties. <i>RSC Advances</i> , <b>2016</b> , 6, 7560-7567	3.7	18
149	Remarkably Enhanced Impact Toughness and Heat Resistance of poly(L-Lactide)/Thermoplastic Polyurethane Blends by Constructing Stereocomplex Crystallites in the Matrix. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 111-120	8.3	100
148	Impact toughness of polypropylene/glass fiber composites: Interplay between intrinsic toughening and extrinsic toughening. <i>Composites Part B: Engineering</i> , <b>2016</b> , 92, 413-419	10	31
147	Effect of stretching on the mechanical properties in melt-spun poly(butylene succinate)/microfibrillated cellulose (MFC) nanocomposites. <i>Carbohydrate Polymers</i> , <b>2016</b> , 140, 383-92	10.3	22
146	Selective localization of multi-walled carbon nanotubes in bi-component biodegradable polyester blend for rapid electroactive shape memory performance. <i>Composites Science and Technology</i> , <b>2016</b> , 125, 38-46	8.6	62
145	Simultaneously reinforcing and toughening of polylactide/carbon fiber composites via adding small amount of soft poly(ether)urethane. <i>Composites Science and Technology</i> , <b>2016</b> , 127, 54-61	8.6	23
144	Deep insight into the key role of carbon black self-networking in the formation of co-continuous-like morphology in polylactide/poly(ether)urethane blends. <i>Polymer</i> , <b>2016</b> , 82, 11-21	3.9	34
143	Facilely assess the soluble behaviour of the nucleating agent by gradient temperature field for the construction of heterogeneous crystalline-frameworks in iPP. <i>Soft Matter</i> , <b>2016</b> , 12, 594-601	3.6	23
142	Toward High-Performance Poly(L-lactide) Fibers via Tailoring Crystallization with the Aid of Fibrillar Nucleating Agent. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3939-3947	8.3	30
141	Powder metallurgy inspired low-temperature fabrication of high-performance stereocomplexed polylactide products with good optical transparency. <i>Scientific Reports</i> , <b>2016</b> , 6, 20260	4.9	45
140	The different effect of reduced graphene oxide and graphene oxide on the performance of chitosan by using homogenous fillers. <i>RSC Advances</i> , <b>2016</b> , 6, 34153-34158	3.7	10
139	The effect of DBP of carbon black on the dynamic self-assembly in a polymer melt. <i>RSC Advances</i> , <b>2016</b> , 6, 24843-24852	3.7	10
138	Multishape and Temperature Memory Effects by Strong Physical Confinement in Poly(propylene carbonate)/Graphene Oxide Nanocomposites. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 11064-11073	3.4	15
137	Processing condition induced structural evolution in the alternating multi-layer structure during high speed thin-wall injection molding. <i>Polymer</i> , <b>2016</b> , 99, 49-58	3.9	8



136	Mechanically reinforced chitosan/cellulose nanocrystals composites with good transparency and biocompatibility. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2015</b> , 33, 61-69	3.5	34
135	Reduction of graphene oxide with the presence of polypropylene micro-latex for facile preparation of polypropylene/graphene nanosheet composites. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 1495-1503	2.4	10
134	Largely enhanced mechanical properties and heat distortion temperature of nucleated isotactic polypropylene by adding ultrafine full-vulcanized powdered rubber. <i>RSC Advances</i> , <b>2015</b> , 5, 62797-62804	2.7	7
133	Synergetic effects of a matrix crystalline structure and chain mobility on the low temperature toughness of polypropylene/ethyleneoctene copolymer blends. <i>RSC Advances</i> , <b>2015</b> , 5, 54488-54496	3.7	23
132	Molecular dynamics simulations of orientation induced interfacial enhancement between single walled carbon nanotube and aromatic polymers chains. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2015</b> , 73, 155-165	8.4	41
131	Largely reinforced polyurethane via simultaneous incorporation of poly(lactic acid) and multiwalled carbon nanotubes. <i>RSC Advances</i> , <b>2015</b> , 5, 30912-30919	3.7	7
130	Confine Clay in an Alternating Multilayered Structure through Injection Molding: A Simple and Efficient Route to Improve Barrier Performance of Polymeric Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10178-89	9.5	26
129	In situ micro and nano fibrillar reinforced elastomer composites based on polypropylene (PP)/olefinic block copolymer (OBC). <i>Composites Science and Technology</i> , <b>2015</b> , 115, 34-42	8.6	21
128	In situ formation of polypropylene (PP) fibrils in the olefinic block copolymer (OBC): effect of viscosity ratio and OBC block architecture. <i>RSC Advances</i> , <b>2015</b> , 5, 85442-85445	3.7	6
127	The effect of hard block content on the orientation and mechanical properties of olefin block copolymer films as obtained via melt stretching. <i>RSC Advances</i> , <b>2015</b> , 5, 82535-82543	3.7	12
126	Constructing stereocomplex structures at the interface for remarkably accelerating matrix crystallization and enhancing the mechanical properties of poly(L-lactide)/multi-walled carbon nanotube nanocomposites. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13835-13847	13	44
125	Molecular dynamics studies of interfacial crystallization behaviors in polyethylene/carbon nanotube composites. <i>RSC Advances</i> , <b>2015</b> , 5, 102219-102227	3.7	8
124	High mechanical reinforcing efficiency of layered poly(vinyl alcohol) /graphene oxide nanocomposites. <i>Nanocomposites</i> , <b>2015</b> , 1, 89-95	3.4	24
123	Combined effect of interfacial strength and fiber orientation on mechanical performance of short Kevlar fiber reinforced olefin block copolymer. <i>Composites Science and Technology</i> , <b>2015</b> , 108, 23-31	8.6	41
122	Transcrystalline formation and properties of polypropylene on the surface of ramie fiber as induced by shear or dopamine modification. <i>Polymer</i> , <b>2014</b> , 55, 3045-3053	3.9	31
121	Interfacial crystallization enhanced interfacial interaction of Poly (butylene succinate)/ramie fiber biocomposites using dopamine as a modifier. <i>Composites Science and Technology</i> , <b>2014</b> , 91, 22-29	8.6	73
120	Selective localization of multi-walled carbon nanotubes in thermoplastic elastomer blends: An effective method for tunable resistivity/strain sensing behavior. <i>Composites Science and Technology</i> , <b>2014</b> , 92, 16-26	8.6	93
119	Simultaneous the thermodynamics favorable compatibility and morphology to achieve excellent comprehensive mechanics in PLA/OBC blend. <i>Polymer</i> , <b>2014</b> , 55, 6409-6417	3.9	49

118	Microfibrillated cellulose-reinforced bio-based poly(propylene carbonate) with dual shape memory and self-healing properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20393-20401	13	69
117	Effect of melting temperature on interfacial interaction and mechanical properties of polypropylene (PP) fiber reinforced olefin block copolymers (OBCs). <i>RSC Advances</i> , <b>2014</b> , 4, 45234-45243	3.7	16
116	Water-induced shape memory effect of graphene oxide reinforced polyvinyl alcohol nanocomposites. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2240-2249	13	235
115	Towards high-performance poly(L-lactide)/elastomer blends with tunable interfacial adhesion and matrix crystallization via constructing stereocomplex crystallites at the interface. <i>RSC Advances</i> , <b>2014</b> , 4, 49374-49385	3.7	43
114	Formation of new electric double percolation via carbon black induced co-continuous like morphology. <i>RSC Advances</i> , <b>2014</b> , 4, 37193	3.7	35
113	Enhancing the melt stability of polylactide stereocomplexes using a solid-state cross-linking strategy during a melt-blending process. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 5985-5993	4.9	65
112	Formation of conductive networks with both segregated and double-percolated characteristic in conductive polymer composites with balanced properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6835-44	9.5	77
111	Strong and conductive double-network graphene/PVA gel. <i>RSC Advances</i> , <b>2014</b> , 4, 39588	3.7	29
110	Matrix crystallization induced simultaneous enhancement of electrical conductivity and mechanical performance in poly(L-lactide)/multiwalled carbon nanotubes (PLLA/MWCNTs) nanocomposites. <i>Composites Science and Technology</i> , <b>2014</b> , 102, 20-27	8.6	38
109	Effect of molecular weight on the properties of poly(butylene succinate). <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2014</b> , 32, 953-960	3.5	21
108	Toughening of polycarbonate through reactive melt blending: Effect of hydroxyl content and viscosity of hydroxyl-terminated polydimethylsiloxane. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2014</b> , 32, 823-833	3.5	6
107	Comparison of the toughening behavior for poly(ethylene terephthalate) with spherulitic or ellipsoid elastomer-particles. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	2
106	Improving impact toughness of polylactide/poly(ether)urethane blends via designing the phase morphology assisted by hydrophilic silica nanoparticles. <i>Polymer</i> , <b>2014</b> , 55, 1593-1600	3.9	99
105	Exploring interfacial enhancement in polystyrene/multiwalled carbon nanotube monofilament induced by stretching. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 61, 84-90	8.4	9
104	Significantly improving oxygen barrier properties of polylactide via constructing parallel-aligned shish-kebab-like crystals with well-interlocked boundaries. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1507-14	6.9	121
103	Simultaneous improvements of thermal stability and mechanical properties of poly(propylene carbonate) via incorporation of environmental-friendly polydopamine. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2014</b> , 32, 1724-1736	3.5	15
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92	Hierarchical structure and unique impact behavior of polypropylene/ethylene-octene copolymer blends as obtained via dynamic packing injection molding. <i>Polymer</i> , <b>2013</b> , 54, 3392-3401	3.9	44
91	Toward environment-friendly composites of poly(propylene carbonate) reinforced with cellulose nanocrystals. <i>Composites Science and Technology</i> , <b>2013</b> , 78, 63-68	8.6	43
90	Toughening of poly(L-lactide) with poly( $\beta$ -caprolactone): Combined effects of matrix crystallization and impact modifier particle size. <i>Polymer</i> , <b>2013</b> , 54, 5257-5266	3.9	99
89	Anisotropic multilayer conductive networks in carbon nanotubes filled polyethylene/polypropylene blends obtained through high speed thin wall injection molding. <i>Polymer</i> , <b>2013</b> , 54, 6425-6436	3.9	65
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