

# Jia-Zhuang Xu

## 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.

114 papers	3,023 citations	29 h-index	51 g-index
120 ext. papers	3,732 ext. citations	6.3 avg, IF	5.35 L-index

#	Paper	IF	Citations
114	Mucosa-Like Conformal Hydrogel Coating for Aqueous Lubrication.. <i>Advanced Materials</i> , <b>2022</b> , e2108848	24	4
113	Oriented co-continuous 3D porous scaffolds with inhibited activating functionality: An effective strategy to inhibit the hyperactivation of astrocytes. <i>Materials and Design</i> , <b>2022</b> , 213, 110352	8.1	
112	Ultra-slippery, nonirritating, and anti-inflammatory hyaluronic acid-based coating to mitigate intubation injury. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 130911	14.7	1
111	Interfacial Banded Transcrystallization of Polyoxymethylene/Poly(butylene succinate) Blends Induced by the Polyamide 6 Fiber. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2022</b> , 40, 394-402	3.5	0
110	Topographic Cues Guiding Cell Polarization via Distinct Cellular Mechanosensing Pathways. <i>Small</i> , <b>2021</b> , e2104328	11	8
109	Imparting Gradient and Oriented Characters to Cocontinuous Structure for Improving Integrated Performance. <i>Macromolecular Chemistry and Physics</i> , <b>2021</b> , 222, 2100012	2.6	3
108	Highly Thermally Conductive Graphene-Based Thermal Interface Materials with a Bilayer Structure for Central Processing Unit Cooling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 25325-25333	9.5	14
107	Controlled bacteriostasis of tea polyphenol loaded ultrahigh molecular weight polyethylene with high crosslink density and oxidation resistance for total joint replacement. <i>Materials Science and Engineering C</i> , <b>2021</b> , 124, 112040	8.3	2
106	Fabrication of Highly Anisotropic and Interconnected Porous Scaffolds to Promote Preosteoblast Proliferation for Bone Tissue Engineering. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2021</b> , 39, 1191-1199	3.5	
105	Ultrahigh molecular weight polyethylene with improved crosslink density, oxidation stability, and microbial inhibition by chemical crosslinking and tea polyphenols for total joint replacements. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51261	2.9	0
104	Synergy between vitamin E and D-sorbitol in enhancing oxidation stability of highly crosslinked ultrahigh molecular weight polyethylene. <i>Acta Biomaterialia</i> , <b>2021</b> , 134, 302-312	10.8	1
103	How the Aggregates Determine Bound Rubber Models in Silicone Rubber? A Contrast Matching Neutron Scattering Study. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2021</b> , 39, 365-376	3.5	4
102	Polyphenol-Assisted Chemical Crosslinking: A New Strategy to Achieve Highly Crosslinked, Antioxidative, and Antibacterial Ultrahigh-Molecular-Weight Polyethylene for Total Joint Replacement. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 373-381	5.5	3
101	Enhanced piezoelectricity from highly polarizable oriented amorphous fractions in biaxially oriented poly(vinylidene fluoride) with pure $\beta$ crystals. <i>Nature Communications</i> , <b>2021</b> , 12, 675	17.4	27
100	Simultaneously constructing nanotopographical and chemical cues in 3D-printed polylactic acid scaffolds to promote bone regeneration. <i>Materials Science and Engineering C</i> , <b>2021</b> , 118, 111457	8.3	9
99	Rapid Melt Crystallization of Bisphenol-A Polycarbonate Jointly Induced by Pressure and Flow. <i>Macromolecules</i> , <b>2021</b> , 54, 2383-2393	5.5	4
98	Green Production of Covalently Functionalized Boron Nitride Nanosheets via Saccharide-Assisted Mechanochemical Exfoliation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 11155-11162	8.3	5

97	Surface Epitaxial Nano-Topography Facilitates Biomineralization to Promote Osteogenic Differentiation and Osteogenesis. <i>ACS Omega</i> , <b>2021</b> , 6, 21792-21800	3.9	0
96	Superior and highly absorbed electromagnetic interference shielding performance achieved by designing the reflection-absorption-integrated shielding compartment with conductive wall and lossy core. <i>Chemical Engineering Journal</i> , <b>2020</b> , 393, 124644	14.7	38
95	Surface-Directed Self-Epitaxial Crystallization of Poly(E-caprolactone) from Isotropic to Highly Orientated Lamellae. <i>Macromolecules</i> , <b>2020</b> , 53, 1736-1744	5.5	3
94	Poly(lactide) porous biocomposites with high heat resistance by utilizing cellulose template-directed construction. <i>Cellulose</i> , <b>2020</b> , 27, 3805-3819	5.5	5
93	Achieving excellent thermally conductive and electromagnetic shielding performance by nondestructive functionalization and oriented arrangement of carbon nanotubes in composite films. <i>Composites Science and Technology</i> , <b>2020</b> , 194, 108190	8.6	28
92	Combination of nanolamellae and PDA coating on promoting the long-term adhesion, proliferation, and differentiation of osteoblasts. <i>Polymer</i> , <b>2020</b> , 196, 122462	3.9	1
91	Highly thermal conductive, anisotropically heat-transferred, mechanically flexible composite film by assembly of boron nitride nanosheets for thermal management. <i>Composites Part B: Engineering</i> , <b>2020</b> , 180, 107569	10	69
90	Insights into Oxidation of the Ultrahigh Molecular Weight Polyethylene Artificial Joint Related to Lipid Peroxidation.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 547-553	4.1	3
89	Highly improved aqueous lubrication of polymer surface by noncovalently bonding hyaluronic acid-based hydration layer for endotracheal intubation. <i>Biomaterials</i> , <b>2020</b> , 262, 120336	15.6	5
88	Antibacterial and anti-inflammatory ultrahigh molecular weight polyethylene/tea polyphenol blends for artificial joint applications. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10428-10438	7.3	5
87	Promoted Bone Regeneration by 3D-Printed Porous Scaffolds with the Synergy of a Nanotopological Morphology and Amino Modification.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 8627-8639	4.1	2
86	Unique Banded Cylindrites of Polyoxymethylene/Poly(butylene succinate) Blends Induced by Interfacial Shear. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 2741-2750	4.3	1
85	Achieving high thermal conductivity and mechanical reinforcement in ultrahigh molecular weight polyethylene bulk material. <i>Polymer</i> , <b>2019</b> , 180, 121760	3.9	13
84	Nacre-like composite films with high thermal conductivity, flexibility, and solvent stability for thermal management applications. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 9018-9024	7.1	48
83	Polydopamine-Assisted Anchor of Chitosan onto Porous Composite Scaffolds for Accelerating Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 2998-3006	5.5	17
82	Selective electromagnetic interference shielding performance and superior mechanical strength of conductive polymer composites with oriented segregated conductive networks. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 556-564	14.7	74
81	Nanotopographical polymeric surface with mussel-inspired decoration to enhance osteoblast differentiation. <i>Applied Surface Science</i> , <b>2019</b> , 481, 987-993	6.7	9
80	An efficient, food contact accelerator for stereocomplexation of high-molecular-weight poly(l-lactide)/ poly(d-lactide) blend under nonisothermal crystallization. <i>Polymer</i> , <b>2019</b> , 170, 54-64	3.9	15

79	Improved oxidation and wear resistance of ultrahigh molecular weight polyethylene using cross-linked powder reinforcement. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2019</b> , 107, 716-723	3.5	5
78	Role of lamellar thickening in thick lamellae formation in isotactic polypropylene when crystallizing under flow and pressure. <i>Polymer</i> , <b>2019</b> , 179, 121641	3.9	4
77	Extensional Stress-Induced Orientation and Crystallization can Regulate the Balance of Toughness and Stiffness of Polylactide Films: Interplay of Oriented Amorphous Chains and Crystallites. <i>Macromolecules</i> , <b>2019</b> , 52, 5278-5288	5.5	33
76	Highly thermally conductive and mechanically robust composite of linear ultrahigh molecular weight polyethylene and boron nitride via constructing nacre-like structure. <i>Composites Science and Technology</i> , <b>2019</b> , 184, 107858	8.6	22
75	Surface Epitaxial Crystallization-Directed Nanotopography for Accelerating Preosteoblast Proliferation and Osteogenic Differentiation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 42956-42963	8.5	6
74	Accelerating Bone Healing by Decorating BMP-2 on Porous Composite Scaffolds.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 5717-5726	4.1	7
73	High Oxidation Stability of Tea Polyphenol-stabilized Highly Crosslinked UHMWPE Under an in Vitro Aggressive Oxidative Condition. <i>Clinical Orthopaedics and Related Research</i> , <b>2019</b> , 477, 1947-1955	2.2	10
72	Enhanced oxidation stability of highly cross-linked ultrahigh molecular weight polyethylene by tea polyphenols for total joint implants. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 211-219	8.3	16
71	Hydrophobic Graphene Oxide as a Promising Barrier of Water Vapor for Regenerated Cellulose Nanocomposite Films. <i>ACS Omega</i> , <b>2019</b> , 4, 509-517	3.9	19
70	Promoting osteoblast proliferation on polymer bone substitutes with bone-like structure by combining hydroxyapatite and bioactive glass. <i>Materials Science and Engineering C</i> , <b>2019</b> , 96, 1-9	8.3	10
69	Role of HA and BG in engineering poly( $\epsilon$ -caprolactone) porous scaffolds for accelerating cranial bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 654-662	5.4	7
68	Flow-induced crystallization of polylactide stereocomplex under pressure. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46378	2.9	6
67	Efficient electromagnetic interference shielding of lightweight carbon nanotube/polyethylene composites compression molding plus salt-leaching.. <i>RSC Advances</i> , <b>2018</b> , 8, 8849-8855	3.7	24
66	Shear-induced stereocomplex cylindrites in polylactic acid racemic blends: Morphology control and interfacial performance. <i>Polymer</i> , <b>2018</b> , 140, 179-187	3.9	20
65	Synergetic enhancement of thermal conductivity by constructing hybrid conductive network in the segregated polymer composites. <i>Composites Science and Technology</i> , <b>2018</b> , 162, 7-13	8.6	105
64	The Role of Melt Memory and Template Effect in Complete Stereocomplex Crystallization and Phase Morphology of Polylactides. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 1613-1621	3.5	17
63	Toward biomimetic porous poly( $\epsilon$ -caprolactone) scaffolds: Structural evolution and morphological control during solid phase extrusion. <i>Composites Science and Technology</i> , <b>2018</b> , 156, 192-202	8.6	15
62	Increased oxidative protection by high active vitamin E content and partial radiation crosslinking of UHMWPE. <i>Journal of Orthopaedic Research</i> , <b>2018</b> , 36, 1860-1867	3.8	11

61	An unusual promotion of $\beta$ -crystals in metallocene-made isotactic polypropylene from orientational relaxation and favorable temperature window induced by shear. <i>Polymer</i> , <b>2018</b> , 134, 196-203	3.9	9
60	Constructing highly oriented segregated structure towards high-strength carbon nanotube/ultrahigh-molecular-weight polyethylene composites for electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 110, 237-245	8.4	66
59	Can Relaxor Ferroelectric Behavior Be Realized for Poly(vinylidene fluoride-co-chlorotrifluoroethylene) [P(VDF/CTFE)] Random Copolymers by Inclusion of CTFE Units in PVDF Crystals?. <i>Macromolecules</i> , <b>2018</b> , 51, 5460-5472	5.5	24
58	Largely enhanced mechanical property of segregated carbon nanotube/poly(vinylidene fluoride) composites with high electromagnetic interference shielding performance. <i>Composites Science and Technology</i> , <b>2018</b> , 167, 260-267	8.6	48
57	Largely enhanced mechanical performance of poly(butylene succinate) multiple system via shear stress-induced orientation of the hierarchical structure. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13373-13385 <sup>13</sup>	13.385 <sup>10</sup>	
56	Flow-Induced Precursor Formation of Poly(L-lactic acid) under Pressure. <i>ACS Omega</i> , <b>2018</b> , 3, 15471-15483 <sup>19</sup>	3.9	4
55	Bone-like Polymeric Composites with a Combination of Bioactive Glass and Hydroxyapatite: Simultaneous Enhancement of Mechanical Performance and Bioactivity. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 4434-4442	5.5	5
54	Wearable Polyethylene/Polyamide Composite Fabric for Passive Human Body Cooling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 41637-41644	9.5	45
53	New insights into thermal conductivity of uniaxially stretched high density polyethylene films. <i>Polymer</i> , <b>2018</b> , 154, 42-47	3.9	22
52	Core-shell nanoparticles toughened polylactide with excellent transparency and stiffness-toughness balance. <i>Composites Science and Technology</i> , <b>2018</b> , 164, 168-177	8.6	20
51	Highly Anisotropic, Thermally Conductive, and Mechanically Strong Polymer Composites with Nacre-like Structure for Thermal Management Applications. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3312-3320 <sup>56</sup>	3320 <sup>35</sup>	
50	Enhanced Thermal Conductivity of Segregated Poly(vinylidene fluoride) Composites via Forming Hybrid Conductive Network of Boron Nitride and Carbon Nanotubes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 10391-10397	3.9	47
49	Layer structure by shear-induced crystallization and thermal mechanical properties of injection-molded poly(L-lactide) with nucleating agents. <i>Polymer</i> , <b>2017</b> , 110, 196-210	3.9	22
48	Melt processing and structural manipulation of highly linear disentangled ultrahigh molecular weight polyethylene. <i>Chemical Engineering Journal</i> , <b>2017</b> , 315, 132-141	14.7	26
47	A high heat-resistance bioplastic foam with efficient electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , <b>2017</b> , 323, 29-36	14.7	110
46	Highly aligned and interconnected porous poly( $\epsilon$ -caprolactone) scaffolds derived from co-continuous polymer blends. <i>Materials and Design</i> , <b>2017</b> , 128, 112-118	8.1	15
45	Advances in Enhancing Mechanical Performance of Ultrahigh Molecular Weight Polyethylene Used for Total Joint Replacement. <i>ACS Symposium Series</i> , <b>2017</b> , 273-294	0.4	3
44	Effects of Solvents on Stereocomplex Crystallization of High-Molecular-Weight Polylactic Acid Racemic Blends in the Presence of Carbon Nanotubes. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700292	2.6	1

43	Promoting Interfacial Transcrystallization in Polylactide/Ramie Fiber Composites by Utilizing Stereocomplex Crystals. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 7128-7136	8.3	15
42	Simultaneous reinforcement and toughening of polymer/hydroxyapatite composites by constructing bone-like structure. <i>Composites Science and Technology</i> , <b>2017</b> , 151, 234-242	8.6	24
41	Highly Efficient Composite Barrier Wall Consisting of Concentrated Graphene Oxide Nanosheets and Impermeable Crystalline Structure for Poly(lactic acid) Nanocomposite Films. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 9544-9554	3.9	9
40	Preferential formation of stereocomplex in high-molecular-weight polylactic acid racemic blend induced by carbon nanotubes. <i>Polymer</i> , <b>2016</b> , 105, 167-171	3.9	24
39	Converting of Bulk Polymers into Nanofibrils via Hot Stretching of Polymer Blends <b>2016</b> , 225-249		
38	Robust Interfacial Cylindrites of Polylactic Acid Modulated by an Intense Shear Flow Field. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3558-3566	8.3	12
37	Simultaneously improving wear resistance and mechanical performance of ultrahigh molecular weight polyethylene via cross-linking and structural manipulation. <i>Polymer</i> , <b>2016</b> , 90, 222-231	3.9	14
36	Engineering Porous Poly(lactic acid) Scaffolds with High Mechanical Performance via a Solid State Extrusion/Porogen Leaching Approach. <i>Polymers</i> , <b>2016</b> , 8,	4.5	39
35	Graphene oxide induced isotactic polypropylene crystallization: role of structural reduction. <i>RSC Advances</i> , <b>2016</b> , 6, 23930-23941	3.7	15
34	Inducing Stereocomplex Crystals by Template Effect of Residual Stereocomplex Crystals during Thermal Annealing of Injection-Molded Polylactide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 10896-10905	3.9	20
33	Highly Enhanced Crystallization Kinetics of Poly(L-lactic acid) by Poly(ethylene glycol) Grafted Graphene Oxide Simultaneously as Heterogeneous Nucleation Agent and Chain Mobility Promoter. <i>Macromolecules</i> , <b>2015</b> , 48, 4891-4900	5.5	79
32	The crystallization behavior of biodegradable poly(butylene succinate) in the presence of organically modified clay with a wide range of loadings. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2015</b> , 33, 576-586	3.5	14
31	Nucleation ability of thermally reduced graphene oxide for polylactide: role of size and structural integrity. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 4777-87	3.4	17
30	Effects of extrusion draw ratio on the morphology, structure and mechanical properties of poly(L-lactic acid) fabricated using solid state ram extrusion. <i>RSC Advances</i> , <b>2015</b> , 5, 69016-69023	3.7	8
29	Injection-molded hydroxyapatite/polyethylene bone-analogue biocomposites via structure manipulation. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 7585-7593	7.3	11
28	Temperature dependence of molecular conformation in uniaxially deformed isotactic polypropylene investigated by combination of polarized FTIR spectroscopy and 2D correlation analysis. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 673-684	2.6	9
27	Non-isothermal crystallization kinetics of alkyl-functionalized graphene oxide/high-density polyethylene nanocomposites. <i>Composite Interfaces</i> , <b>2014</b> , 21, 203-215	2.3	11
26	Self-reinforced polyethylene blend for artificial joint application. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 971-980	7.3	30



25	Improved performance balance of polyethylene by simultaneously forming oriented crystals and blending ultrahigh-molecular-weight polyethylene. <i>RSC Advances</i> , <b>2014</b> , 4, 1512-1520	3.7	31
24	Molecular weight-modulated electrospun poly( $\epsilon$ -caprolactone) membranes for postoperative adhesion prevention. <i>RSC Advances</i> , <b>2014</b> , 4, 41696-41704	3.7	29
23	Multiple stage crystallization of gamma phase poly(vinylidene fluoride) induced by ion-dipole interaction as revealed by time-resolved FTIR and two-dimensional correlation analysis. <i>Polymer</i> , <b>2014</b> , 55, 4765-4775	3.9	27
22	Improved barrier properties of poly(lactic acid) with randomly dispersed graphene oxide nanosheets. <i>Journal of Membrane Science</i> , <b>2014</b> , 464, 110-118	9.6	141
21	Mechanical properties and biocompatibility of melt processed, self-reinforced ultrahigh molecular weight polyethylene. <i>Biomaterials</i> , <b>2014</b> , 35, 6687-97	15.6	53
20	Low-dimensional carbonaceous nanofiller induced polymer crystallization. <i>Progress in Polymer Science</i> , <b>2014</b> , 39, 555-593	29.6	124
19	Poly(L-lactic acid) crystallization in a confined space containing graphene oxide nanosheets. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 10641-51	3.4	45
18	Role of surface chemical groups on carbon nanotubes in nucleation for polymer crystallization: Interfacial interaction and steric effect. <i>Polymer</i> , <b>2013</b> , 54, 6479-6488	3.9	50
17	Strong Shear Flow-Driven Simultaneous Formation of Classic Shish-Kebab, Hybrid Shish-Kebab, and Transcrystallinity in Poly(lactic acid)/Natural Fiber Biocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 1619-1629	8.3	73
16	Crystalline structure changes in preoriented metallocene-based isotactic polypropylene upon annealing. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 7113-22	3.4	16
15	Nonlinear current-voltage characteristics of conductive polyethylene composites with carbon black filled pet microfibrils. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2013</b> , 31, 211-217	3.5	16
14	Non-isothermal crystallization kinetics of poly(phenylene sulfide) with low crosslinking levels. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2013</b> , 31, 462-470	3.5	7
13	Ultraporous poly(lactic acid) scaffolds with improved mechanical performance using high-pressure molding and salt leaching. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 3509-3520	2.9	9
12	Tuning the superstructure of ultrahigh-molecular-weight polyethylene/low-molecular-weight polyethylene blend for artificial joint application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 1521-9.5	9.5	56
11	Role of ion-dipole interactions in nucleation of gamma poly(vinylidene fluoride) in the presence of graphene oxide during melt crystallization. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 14951-60	3.4	49
10	Suppressing of crystal formation in metallocene-based isotactic polypropylene during isothermal crystallization under shear flow. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 5056-63	3.4	16
9	Highly crystallized poly (lactic acid) under high pressure. <i>AIP Advances</i> , <b>2012</b> , 2, 042159	1.5	27
8	Graphene Oxide Nanosheet Induced Intrachain Conformational Ordering in a Semicrystalline Polymer. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 530-5	6.4	47

7	Shear flow and carbon nanotubes synergistically induced nonisothermal crystallization of poly(lactic acid) and its application in injection molding. <i>Biomacromolecules</i> , <b>2012</b> , 13, 3858-67	6.9	80
6	Non-isothermal crystallization of ethylene-vinyl acetate copolymer containing a high weight fraction of graphene nanosheets and carbon nanotubes. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2012</b> , 30, 879-892	3.5	13
5	Isothermal and nonisothermal crystallization of isotactic polypropylene/graphene oxide nanosheet nanocomposites. <i>Journal of Polymer Research</i> , <b>2012</b> , 19, 1	2.7	39
4	In-situ synchrotron x-ray scattering study on isothermal crystallization of ethylene-vinyl acetate copolymers containing a high weight fraction of carbon nanotubes and graphene nanosheets. <i>Journal of Polymer Research</i> , <b>2012</b> , 19, 1	2.7	7
3	Shear induced crystallization of poly(L-lactide) and poly(ethylene glycol) (PLLA-PEG-PLLA) copolymers with different block length. <i>Journal of Polymer Research</i> , <b>2011</b> , 18, 675-680	2.7	20
2	Graphene Nanosheets and Shear Flow Induced Crystallization in Isotactic Polypropylene Nanocomposites. <i>Macromolecules</i> , <b>2011</b> , 44, 2808-2818	5.5	143
1	Isothermal Crystallization of Poly(l-lactide) Induced by Graphene Nanosheets and Carbon Nanotubes: A Comparative Study. <i>Macromolecules</i> , <b>2010</b> , 43, 5000-5008	5.5	283