

Gan-Ji Zhong

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.

136 papers	3,986 citations	39 h-index	58 g-index
143 ext. papers	4,750 ext. citations	5.6 avg, IF	5.55 L-index

#	Paper	IF	Citations
136	Effective electromagnetic interference shielding properties of micro-truss structured CNT/Epoxy composites fabricated based on visible light processing. <i>Composites Science and Technology</i> , 2022 , 221, 109296	8.6	1
135	Enhanced melt-recrystallization process of propylene-ethylene copolymer during the uniaxial stretching with the aid of isotactic polypropylene. <i>Polymer</i> , 2022 , 239, 124443	3.9	0
134	Natural cellulose supported carbon nanotubes and FeO NPs as the efficient peroxydisulfate activator for the removal of bisphenol A: An enhanced non-radical oxidation process. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127054	12.8	3
133	Interfacial Banded Transcrystallization of Polyoxymethylene/Poly(butylene succinate) Blends Induced by the Polyamide 6 Fiber. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022 , 40, 394-402	3.5	0
132	Enhanced Dielectric and Ferroelectric Properties of Poly(vinylidene fluoride) through Annealing Oriented Crystallites under High Pressure. <i>Macromolecules</i> , 2022 , 55, 2014-2027	5.5	7
131	The coupling effect of cellulose nanocrystal and strong shear field achieved the strength and toughness balance of Polylactide.. <i>International Journal of Biological Macromolecules</i> , 2022 , 207, 927-940	7.9	1
130	Internal nanostructure and structure-processing relationship of injection molded poly (butylene adipate-co-terephthalate) studied by SAXS-CT. <i>Polymer</i> , 2021 , 237, 124359	3.9	0
129	Superhydrophobic, Self-Cleaning, and Robust Properties of Oriented Polylactide Imparted by Surface Structuring. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6296-6304	8.3	5
128	Coupling effect of pressure and flow fields on the crystallization of Poly(vinylidene fluoride)/Poly(methyl methacrylate) miscible blends. <i>Polymer</i> , 2021 , 220, 123565	3.9	4
127	Imparting Gradient and Oriented Characters to Cocontinuous Structure for Improving Integrated Performance. <i>Macromolecular Chemistry and Physics</i> , 2021 , 222, 2100012	2.6	3
126	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> , 2021 , 39, 365-376	3.5	4
125	Structural regulation of poly(urea-formaldehyde) microcapsules containing lube base oil and their thermal properties. <i>Progress in Organic Coatings</i> , 2021 , 150, 105990	4.8	3
124	Durably Ductile, Transparent Polystyrene Based on Extensional Stress-Induced Rejuvenation Stabilized by Styrene-Butadiene Block Copolymer Nanofibrils.. <i>ACS Macro Letters</i> , 2021 , 10, 71-77	6.6	5
123	Cellulose/carbon Composites and their Applications in Water Treatment: A Review. <i>Chemical Engineering Journal</i> , 2021 , 405, 126980	14.7	38
122	Ultrathin, flexible and sandwich-structured PHBV/silver nanowire films for high-efficiency electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3307-3315	7.1	10
121	Enhanced piezoelectricity from highly polarizable oriented amorphous fractions in biaxially oriented poly(vinylidene fluoride) with pure β -crystals. <i>Nature Communications</i> , 2021 , 12, 675	17.4	27
120	Rapid Melt Crystallization of Bisphenol-A Polycarbonate Jointly Induced by Pressure and Flow. <i>Macromolecules</i> , 2021 , 54, 2383-2393	5.5	4

119	Coupling Effect of Mechanical and Thermal Rejuvenation for Polystyrene: Toward High Performance of Stiffness, Ductility, and Transparency. <i>Macromolecules</i> , 2021 , 54, 8875-8885	5.5	2
118	Constructing robust chain entanglement network, well-defined nanosized crystals and highly aligned graphene oxide nanosheets: Towards strong, ductile and high barrier Poly(lactic acid) nanocomposite films for green packaging. <i>Composites Part B: Engineering</i> , 2021 , 222, 109048	10	4
117	Tribological performances and self-lubricating mechanism of monomer casting nylon-6 composite coatings containing lube base oil-loaded microcapsules. <i>Progress in Organic Coatings</i> , 2021 , 160, 106528	4.8	0
116	Effects of Rigid Amorphous Fraction and Lamellar Crystal Orientation on Electrical Insulation of Poly(ethylene terephthalate) Films. <i>Macromolecules</i> , 2020 , 53, 3967-3977	5.5	8
115	Structure and Properties of All-Cellulose Composites Prepared by Controlling the Dissolution Temperature of a NaOH/Urea Solvent. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10428-10435	3.8	6
114	Tailored Surface Porosity of Polyethylene-Based Co-continuous Structures for Moving Bed Biofilm Reactor Carriers. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 3226-3233	4.3	2
113	Highly Efficient Three-Dimensional Gas Barrier Network for Biodegradable Nanocomposite Films at Extremely Low Loading Levels of Graphene Oxide Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 5818-5827	3.9	9
112	Spatial dependence of ordering process in bulk materials of polylactide and its multiple system during hygrothermal aging. <i>Polymer Degradation and Stability</i> , 2020 , 174, 109107	4.7	3
111	Polylactide porous biocomposites with high heat resistance by utilizing cellulose template-directed construction. <i>Cellulose</i> , 2020 , 27, 3805-3819	5.5	5
110	Humidity sensitive cellulose composite aerogels with enhanced mechanical performance. <i>Cellulose</i> , 2020 , 27, 6287-6297	5.5	7
109	Robust, transparent films of propylene/ethylene copolymer through isotropic-orientation transition at low temperature accelerated by adjustment of ethylene contents. <i>Polymer</i> , 2020 , 187, 122099	3.8	3
108	Understanding the Morphological and Structural Evolution of Band Poly(vinylidene fluoride) During High Temperature Uniaxial Stretching by In Situ Synchrotron X-ray Scattering. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 18567-18578	3.9	1
107	Structure of polyamide 6/poly(ethylene terephthalate) blends under high cooling rate and shear stress and their moisture-sensitive properties. <i>Polymer</i> , 2020 , 203, 122817	3.9	5
106	Nondestructive and Quantitative Characterization of Bulk Injection-Molded Polylactide Using SAXS Microtomography. <i>Macromolecules</i> , 2020 , 53, 6498-6509	5.5	5
105	Robust propylene-ethylene copolymer/polypropylene films: Extensional stress-induced orientation realized at low temperature processing. <i>Polymer</i> , 2020 , 206, 122848	3.9	3
104	Tuning wettability and mechanical property of polylactide composite films with in-situ nanofibrils of poly(butylene adipate-co-terephthalate). <i>Composites Communications</i> , 2020 , 22, 100515	6.7	3
103	Unique Banded Cylindrites of Polyoxymethylene/Poly(butylene succinate) Blends Induced by Interfacial Shear. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2741-2750	4.3	1
102	Robust cellulose nanocomposite films based on covalently cross-linked network with effective resistance to water permeability. <i>Carbohydrate Polymers</i> , 2019 , 211, 237-248	10.3	10

101	Interconnected Microdomain Structure of a Cross-Linked Cellulose Nanocomposite Revealed by Micro-Raman Imaging and Its Influence on Water Permeability of a Film. <i>Biomacromolecules</i> , 2019 , 20, 2754-2762	6.9	4
100	An efficient, food contact accelerator for stereocomplexation of high-molecular-weight poly(l-lactide)/ poly(d-lactide) blend under nonisothermal crystallization. <i>Polymer</i> , 2019 , 170, 54-64	3.9	15
99	Robust hydrogel of regenerated cellulose by chemical crosslinking coupled with polyacrylamide network. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47811	2.9	10
98	Constructing Sandwich-Architected Poly(l-lactide)/High-Melting-Point Poly(l-lactide) Nonwoven Fabrics: Toward Heat-Resistant Poly(l-lactide) Barrier Biocomposites with Full Biodegradability.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1357-1367	4.1	9
97	Role of lamellar thickening in thick lamellae formation in isotactic polypropylene when crystallizing under flow and pressure. <i>Polymer</i> , 2019 , 179, 121641	3.9	4
96	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> , 2019 , 52, 5278-5288	5.5	33
95	Hydrophobic Graphene Oxide as a Promising Barrier of Water Vapor for Regenerated Cellulose Nanocomposite Films. <i>ACS Omega</i> , 2019 , 4, 509-517	3.9	19
94	Robustly Superhydrophobic Conductive Textile for Efficient Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1680-1688	9.5	90
93	Rapid preparation and continuous processing of polylactide stereocomplex crystallite below its melting point. <i>Polymer Bulletin</i> , 2019 , 76, 3371-3385	2.4	7
92	The Role of Melt Memory and Template Effect in Complete Stereocomplex Crystallization and Phase Morphology of Polylactides. <i>Crystal Growth and Design</i> , 2018 , 18, 1613-1621	3.5	17
91	Ultra-high mechanical properties of porous composites based on regenerated cellulose and cross-linked poly(ethylene glycol). <i>Carbohydrate Polymers</i> , 2018 , 179, 244-251	10.3	13
90	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> , 2018 , 51, 5460-5472	5.5	24
89	Simultaneously improving stiffness, toughness, and heat deflection resistance of polylactide using the strategy of orientation crystallization amplified by interfacial interactions. <i>Polymer Crystallization</i> , 2018 , 1, e10004	0.9	6
88	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> , 2018 , 6, 13373-13385 ¹⁰	13.3	10
87	Oriented Polar Crystals in Poly(Vinylidene Fluoride) Produced by Simultaneously Applying Pressure and Flow. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800299	2.6	5
86	Ultralight Cellulose Porous Composites with Manipulated Porous Structure and Carbon Nanotube Distribution for Promising Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40156-40167	9.5	73
85	Wearable Polyethylene/Polyamide Composite Fabric for Passive Human Body Cooling. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41637-41644	9.5	45
84	Effect of ion-dipole interaction on the formation of polar extended-chain crystals in high pressure-crystallized poly(vinylidene fluoride). <i>Polymer</i> , 2018 , 158, 204-212	3.9	15

83	Core-shell nanoparticles toughened polylactide with excellent transparency and stiffness-toughness balance. <i>Composites Science and Technology</i> , 2018 , 164, 168-177	8.6	20
82	Layer structure by shear-induced crystallization and thermal mechanical properties of injection-molded poly(l-lactide) with nucleating agents. <i>Polymer</i> , 2017 , 110, 196-210	3.9	22
81	Tunable electromagnetic interference shielding effectiveness via multilayer assembly of regenerated cellulose as a supporting substrate and carbon nanotubes/polymer as a functional layer. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3130-3138	7.1	92
80	Interfacial Shish-Kebabs Lengthened by Coupling Effect of In Situ Flexible Nanofibrils and Intense Shear Flow: Achieving Hierarchy To Conquer the Conflicts between Strength and Toughness of Polylactide. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10148-10159	9.5	47
79	Realization of ultra-high barrier to water vapor by 3D-interconnection of super-hydrophobic graphene layers in polylactide films. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14377-14386	13	11
78	Enhanced Heat Deflection Resistance via Shear Flow-Induced Stereocomplex Crystallization of Polylactide Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1692-1703	8.3	52
77	Biodegradable graphene oxide nanosheets/poly-(butylene adipate-co-terephthalate) nanocomposite film with enhanced gas and water vapor barrier properties. <i>Polymer Testing</i> , 2017 , 58, 173-180	4.5	48
76	A nacre-mimetic superstructure of poly(butylene succinate) structured by using an intense shear flow and ramie fiber as a promising strategy for simultaneous reinforcement and toughening. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22697-22707	13	14
75	Stretching-Induced Relaxor Ferroelectric Behavior in a Poly(vinylidene fluoride-co-trifluoroethylene-co-hexafluoropropylene) Random Terpolymer. <i>Macromolecules</i> , 2017 , 50, 7646-7656	5.5	22
74	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> , 2017 , 218, 1700292	2.6	1
73	Gradient Structure of Crystalline Morphology in Injection-Molded Polylactide Parts Tuned by Oscillation Shear Flow and Its Influence on Thermomechanical Performance. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 6295-6306	3.9	18
72	Promoting Interfacial Transcrystallization in Polylactide/Ramie Fiber Composites by Utilizing Stereocomplex Crystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7128-7136	8.3	15
71	Towards transparent PMMA/SiO ₂ nanocomposites with promising scratch-resistance by manipulation of SiO ₂ aggregation followed by in situ polymerization. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	7
70	How Chain Intermixing Dictates the Polymorphism of PVDF in Poly(vinylidene fluoride)/Polymethylmethacrylate Binary System during Recrystallization: A Comparative Study on Core/Shell Particles and Latex Blend. <i>Polymers</i> , 2017 , 9,	4.5	9
69	Confined crystallization of poly(butylene succinate) intercalated into organoclays: role of surfactant polarity. <i>RSC Advances</i> , 2016 , 6, 68072-68080	3.7	5
68	Biomimetic Nanofibrillation in Two-Component Biopolymer Blends with Structural Analogs to Spider Silk. <i>Scientific Reports</i> , 2016 , 6, 34572	4.9	18
67	Preferential formation of stereocomplex in high-molecular-weight polylactic acid racemic blend induced by carbon nanotubes. <i>Polymer</i> , 2016 , 105, 167-171	3.9	24
66	Nonisothermal crystallization of isotactic polypropylene in carbon nanotube networks: The interplay of heterogeneous nucleation and confinement effect. <i>Journal of Thermoplastic Composite Materials</i> , 2016 , 29, 1352-1368	1.9	4

65	Innovative enhancement of gas barrier properties of biodegradable poly(butylene succinate) nanocomposite films by introducing confined crystals. <i>RSC Advances</i> , 2016 , 6, 2530-2536	3.7	13
64	Understanding Nonlinear Dielectric Properties in a Biaxially Oriented Poly(vinylidene fluoride) Film at Both Low and High Electric Fields. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 455-65	9.5	37
63	Crystallization of linear low density polyethylene on an in situ oriented isotactic polypropylene substrate manipulated by an extensional flow field. <i>CrystEngComm</i> , 2016 , 18, 77-91	3.3	15
62	Strong and ductile poly(butylene adipate-co-terephthalate) biocomposites fabricated by oscillation shear injection molding. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	1
61	Simultaneous Preparation and Dispersion of Regenerated Cellulose Nanoparticles Using a Facile Protocol of Dissolution-Relaxation-Isolation-Melt Extrusion. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2470-2478	8.3	19
60	Super-Robust Polylactide Barrier Films by Building Densely Oriented Lamellae Incorporated with Ductile in Situ Nanofibrils of Poly(butylene adipate-co-terephthalate). <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8096-109	9.5	68
59	In Situ Nanofibrillar Networks Composed of Densely Oriented Polylactide Crystals as Efficient Reinforcement and Promising Barrier Wall for Fully Biodegradable Poly(butylene succinate) Composite Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2887-2897	8.3	30
58	Inducing Stereocomplex Crystals by Template Effect of Residual Stereocomplex Crystals during Thermal Annealing of Injection-Molded Polylactide. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10896-10905	3.9	20
57	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> , 2015 , 33, 576-586	3.5	14
56	Raspberry-like morphology of polyvinyl chloride/zinc oxide nanoparticles induced by surface interaction and formation of nanoporous foam. <i>RSC Advances</i> , 2015 , 5, 36845-36857	3.7	7
55	From Nanofibrillar to Nanolaminar Poly(butylene succinate): Paving the Way to Robust Barrier and Mechanical Properties for Full-Biodegradable Poly(lactic acid) Films. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8023-32	9.5	48
54	Nucleation ability of thermally reduced graphene oxide for polylactide: role of size and structural integrity. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4777-87	3.4	17
53	Injection-molded hydroxyapatite/polyethylene bone-analogue biocomposites via structure manipulation. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 7585-7593	7.3	11
52	Polymorphic Extended-Chain and Folded-Chain Crystals in Poly(vinylidene fluoride) Achieved by Combination of High Pressure and Ion-Dipole Interaction. <i>Macromolecules</i> , 2015 , 48, 8565-8573	5.5	35
51	Industrially Scalable Approach to Nanohybrid Shish Kebabs by In Situ Nanofibrillation of Isotactic Poly(propylene). <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 2241-2248	2.6	4
50	Morphology and film performance of phthalate-free plasticized poly(vinyl chloride) composite particles via the graft copolymerization of acrylate swelling flower-like latex particles. <i>RSC Advances</i> , 2015 , 5, 40076-40087	3.7	8
49	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> , 2015 , 53, 673-684	2.6	9
48	Simultaneous Reinforcement and Toughening of Carbon Nanotube/Cellulose Conductive Nanocomposite Films by Interfacial Hydrogen Bonding. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 317-324	8.3	53

47	Cellulose composite aerogel for highly efficient electromagnetic interference shielding. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4983-4991	13	200
46	Toward faster degradation for natural fiber reinforced poly(lactic acid) biocomposites by enhancing the hydrolysis-induced surface erosion. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	22
45	Biodegradable poly(lactic acid)/hydroxyl apatite 3D porous scaffolds using high-pressure molding and salt leaching. <i>Journal of Materials Science</i> , 2014 , 49, 1648-1658	4.3	26
44	Toward stronger transcrystalline layers in poly(L-lactic acid)/natural fiber biocomposites with the aid of an accelerator of chain mobility. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 812-23	3.4	44
43	Ultra-low gas permeability and efficient reinforcement of cellulose nanocomposite films by well-aligned graphene oxide nanosheets. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15853-15863	13	64
42	Unprecedented access to strong and ductile poly(lactic acid) by introducing In Situ Nanofibrillar Poly(butylene succinate) for green packaging. <i>Biomacromolecules</i> , 2014 , 15, 4054-64	6.9	116
41	Strong and tough micro/nanostructured poly(lactic acid) by mimicking the multifunctional hierarchy of shell. <i>Materials Horizons</i> , 2014 , 1, 546-552	14.4	51
40	Composite Poly(vinylidene fluoride)/Polystyrene Latex Particles for Confined Crystallization in 180 nm Nanospheres via Emulsifier-Free Batch Seeded Emulsion Polymerization. <i>Macromolecules</i> , 2014 , 47, 2632-2644	5.5	37
39	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> , 2014 , 55, 4765-4775	3.9	27
38	Structural basis for unique hierarchical cylindrites induced by ultrahigh shear gradient in single natural fiber reinforced poly(lactic acid) green composites. <i>Biomacromolecules</i> , 2014 , 15, 1676-86	6.9	54
37	Formation of Poly(L-lactide) mesophase and its chain mobility dependent kinetics. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014 , 32, 1176-1187	3.5	16
36	Phase assembly-induced transition of three dimensional nanofibril- to sheet-networks in porous cellulose with tunable properties. <i>Cellulose</i> , 2014 , 21, 383-394	5.5	30
35	Improved barrier properties of poly(lactic acid) with randomly dispersed graphene oxide nanosheets. <i>Journal of Membrane Science</i> , 2014 , 464, 110-118	9.6	141
34	Low-dimensional carbonaceous nanofiller induced polymer crystallization. <i>Progress in Polymer Science</i> , 2014 , 39, 555-593	29.6	124
33	Role of surface chemical groups on carbon nanotubes in nucleation for polymer crystallization: Interfacial interaction and steric effect. <i>Polymer</i> , 2013 , 54, 6479-6488	3.9	50
32	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> , 2013 , 1, 1619-1629	8.3	73
31	Structure Evolution upon Uniaxial Drawing Skin- and Core-Layers of Injection-Molded Isotactic Polypropylene by In Situ Synchrotron X-ray Scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 1618-1631	2.6	11
30	Deformation-induced morphology evolution during uniaxial stretching of isotactic polypropylene: effect of temperature. <i>Colloid and Polymer Science</i> , 2012 , 290, 261-274	2.4	46

29	Formation of shish-kebabs in injection-molded poly(L-lactic acid) by application of an intense flow field. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6774-84	9.5	110
28	Tuning the superstructure of ultrahigh-molecular-weight polyethylene/low-molecular-weight polyethylene blend for artificial joint application. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1521-9	9.5	56
27	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> , 2012 , 116, 14951-60	3.4	49
26	Graphene Oxide Nanosheet Induced Intrachain Conformational Ordering in a Semicrystalline Polymer. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 530-5	6.4	47
25	Shear flow and carbon nanotubes synergistically induced nonisothermal crystallization of poly(lactic acid) and its application in injection molding. <i>Biomacromolecules</i> , 2012 , 13, 3858-67	6.9	80
24	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> , 2012 , 30, 879-892	3.5	13
23	Isothermal and nonisothermal crystallization of isotactic polypropylene/graphene oxide nanosheet nanocomposites. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	39
22	Easy alignment and effective nucleation activity of ramie fibers in injection-molded poly(lactic acid) biocomposites. <i>Biopolymers</i> , 2012 , 97, 825-39	2.2	50
21	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> , 2012 , 19, 1	2.7	7
20	Morphology and Crystallization Behavior of Compatibilized Isotactic Polypropylene/Poly(butylene terephthalate) Blends under Shear Flow. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 507-513		8
19	Polarity-induced ferroelectric crystalline phase in electrospun fibers of poly(vinylidene fluoride)/polyacrylonitrile blends. <i>Journal of Materials Research</i> , 2012 , 27, 1389-1398	2.5	9
18	Surface nucleation-induced fluoropolymer Janus nanoparticles via emulsifier-free batch-seeded emulsion polymerization. <i>Soft Matter</i> , 2011 , 7, 11187	3.6	34
17	Nanodroplet formation and exclusive homogeneously nucleated crystallization in confined electrospun immiscible polymer blend fibers of polystyrene and poly(ethylene oxide). <i>Polymer</i> , 2011 , 52, 5397-5402	3.9	44
16	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> , 2011 , 18, 675-680	2.7	20
15	Crystallization behavior and morphology of one-step reaction compatibilized microfibrillar reinforced isotactic polypropylene/poly(ethylene terephthalate) (iPP/PET) blends. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011 , 29, 540-551	3.5	10
14	In Situ Synchrotron X-ray Scattering Study on Isotactic Polypropylene Crystallization under the Coexistence of Shear Flow and Carbon Nanotubes. <i>Macromolecules</i> , 2011 , 44, 8080-8092	5.5	84
13	Suppressing the skin-core structure of injection-molded isotactic polypropylene via combination of an in situ microfibrillar network and an interfacial compatibilizer. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 7497-504	3.4	41
12	Understanding polymorphism formation in electrospun fibers of immiscible Poly(vinylidene fluoride) blends. <i>Polymer</i> , 2011 , 52, 2228-2237	3.9	83

11	Shear Enhanced Crystallization and Tensile Behaviors of Oscillation Shear Injection Molded Poly(ethylene terephthalate). <i>Journal of Macromolecular Science - Physics</i> , 2010 , 50, 383-397	1.4	4
10	Evolution of Phase Morphology of Mixed Poly(tert-butyl acrylate)/Polystyrene Brushes Grafted on Silica Particles with the Change of Chain Length Disparity. <i>Macromolecules</i> , 2010 , 43, 5387-5395	5.5	50
9	Non-isothermal crystallization of poly(L-lactide) (PLLA) under quiescent and steady shear conditions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010 , 28, 357-366	3.5	39
8	Morphology and properties of isotactic polypropylene/poly(ethylene terephthalate) in situ microfibrillar reinforced blends: Influence of viscosity ratio. <i>European Polymer Journal</i> , 2010 , 46, 719-730	5.2	101
7	Unusual Tuning of Mechanical Properties of Isotactic Polypropylene Using Counteraction of Shear Flow and β -Nucleating Agent on β -Form Nucleation. <i>Macromolecules</i> , 2009 , 42, 4343-4348	5.5	183
6	Recyclability of In Situ Microfibrillar Poly(ethylene terephthalate)/High-Density Polyethylene Blends. <i>Macromolecular Materials and Engineering</i> , 2007 , 292, 362-372	3.9	19
5	Crystalline morphology of isotactic polypropylene (iPP) in injection molded poly(ethylene terephthalate) (PET)/iPP microfibrillar blends. <i>Polymer</i> , 2007 , 48, 1729-1740	3.9	65
4	Suppression of Skin-Core Structure in Injection-Molded Polymer Parts by in Situ Incorporation of a Microfibrillar Network. <i>Macromolecules</i> , 2006 , 39, 6771-6775	5.5	103
3	Morphology and mechanical properties of poly (phenylene sulfide)/isotactic polypropylene in situ microfibrillar blends. <i>Polymer Engineering and Science</i> , 2005 , 45, 1303-1311	2.3	25
2	Injection molding-induced morphology of thermoplastic polymer blends. <i>Polymer Engineering and Science</i> , 2005 , 45, 1655-1665	2.3	49
1	Quantitative Investigation on Structural Evolution of Co-continuous Phase under Shear Flow. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2005 , 23, 1033-1038	3.5	0