Gan-Ji Zhong

List of Publications by Citations

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	Cellulose composite aerogel for highly efficient electromagnetic interference shielding. *Journal of Materials Chemistry A*, **2015**, 3, 4983-4991	13	200
135	Unusual Tuning of Mechanical Properties of Isotactic Polypropylene Using Counteraction of Shear Flow and Nucleating Agent on Form Nucleation. *Macromolecules*, **2009**, 42, 4343-4348	5.5	183
134	Improved barrier properties of poly(lactic acid) with randomly dispersed graphene oxide nanosheets. *Journal of Membrane Science*, **2014**, 464, 110-118	9.6	141
133	Low-dimensional carbonaceous nanofiller induced polymer crystallization. *Progress in Polymer Science*, **2014**, 39, 555-593	29.6	124
132	Unprecedented access to strong and ductile poly(lactic acid) by introducing In Situ Nanofibrillar Poly(butylene succinate) for green packaging. *Biomacromolecules*, **2014**, 15, 4054-64	6.9	116
131	Formation of shish-kebabs in injection-molded poly(L-lactic acid) by application of an intense flow field. *ACS Applied Materials & Interfaces*, **2012**, 4, 6774-84	9.5	110
130	Suppression of Skin Core Structure in Injection-Molded Polymer Parts by in Situ Incorporation of a Microfibrillar Network. *Macromolecules*, **2006**, 39, 6771-6775	5.5	103
129	Morphology and properties of isotactic polypropylene/poly(ethylene terephthalate) in situ microfibrillar reinforced blends: Influence of viscosity ratio. *European Polymer Journal*, **2010**, 46, 719-730	5.2	101
128	Tunable electromagnetic interference shielding effectiveness via multilayer assembly of regenerated cellulose as a supporting substrate and carbon nanotubes/polymer as a functional layer. *Journal of Materials Chemistry C*, **2017**, 5, 3130-3138	7.1	92
127	Robustly Superhydrophobic Conductive Textile for Efficient Electromagnetic Interference Shielding. *ACS Applied Materials & Interfaces*, **2019**, 11, 1680-1688	9.5	90
126	In Situ Synchrotron X-ray Scattering Study on Isotactic Polypropylene Crystallization under the Coexistence of Shear Flow and Carbon Nanotubes. *Macromolecules*, **2011**, 44, 8080-8092	5.5	84
125	Understanding polymorphism formation in electrospun fibers of immiscible Poly(vinylidene fluoride) blends. *Polymer*, **2011**, 52, 2228-2237	3.9	83
124	Shear flow and carbon nanotubes synergistically induced nonisothermal crystallization of poly(lactic acid) and its application in injection molding. *Biomacromolecules*, **2012**, 13, 3858-67	6.9	80
123	Strong Shear Flow-Driven Simultaneous Formation of Classic Shish-Kebab, Hybrid Shish-Kebab, and Transcrystallinity in Poly(lactic acid)/Natural Fiber Biocomposites. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 1619-1629	8.3	73
122	Ultralight Cellulose Porous Composites with Manipulated Porous Structure and Carbon Nanotube Distribution for Promising Electromagnetic Interference Shielding. *ACS Applied Materials & Interfaces*, **2018**, 10, 40156-40167	9.5	73
121	Super-Robust Polylactide Barrier Films by Building Densely Oriented Lamellae Incorporated with Ductile in Situ Nanofibrils of Poly(butylene adipate-co-terephthalate). *ACS Applied Materials & Interfaces*, **2016**, 8, 8096-109	9.5	68
120	Crystalline morphology of isotactic polypropylene (iPP) in injection molded poly(ethylene terephthalate) (PET)/iPP microfibrillar blends. *Polymer*, **2007**, 48, 1729-1740	3.9	65

119	Ultra-low gas permeability and efficient reinforcement of cellulose nanocomposite films by well-aligned graphene oxide nanosheets. *Journal of Materials Chemistry A*, **2014**, 2, 15853-15863	13	64
118	Tuning the superstructure of ultrahigh-molecular-weight polyethylene/low-molecular-weight polyethylene blend for artificial joint application. *ACS Applied Materials & Interfaces*, **2012**, 4, 1521-9	9.5	56
117	Structural basis for unique hierarchical cylindrites induced by ultrahigh shear gradient in single natural fiber reinforced poly(lactic acid) green composites. *Biomacromolecules*, **2014**, 15, 1676-86	6.9	54
116	Simultaneous Reinforcement and Toughening of Carbon Nanotube/Cellulose Conductive Nanocomposite Films by Interfacial Hydrogen Bonding. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 317-324	8.3	53
115	Enhanced Heat Deflection Resistance via Shear Flow-Induced Stereocomplex Crystallization of Polylactide Systems. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1692-1703	8.3	52
114	Strong and tough micro/nanostructured poly(lactic acid) by mimicking the multifunctional hierarchy of shell. *Materials Horizons*, **2014**, 1, 546-552	14.4	51
113	Role of surface chemical groups on carbon nanotubes in nucleation for polymer crystallization: Interfacial interaction and steric effect. *Polymer*, **2013**, 54, 6479-6488	3.9	50
112	Easy alignment and effective nucleation activity of ramie fibers in injection-molded poly(lactic acid) biocomposites. *Biopolymers*, **2012**, 97, 825-39	2.2	50
111	Evolution of Phase Morphology of Mixed Poly(tert-butyl acrylate)/Polystyrene Brushes Grafted on Silica Particles with the Change of Chain Length Disparity. *Macromolecules*, **2010**, 43, 5387-5395	5.5	50
110	Role of ion-dipole interactions in nucleation of gamma poly(vinylidene fluoride) in the presence of graphene oxide during melt crystallization. *Journal of Physical Chemistry B*, **2012**, 116, 14951-60	3.4	49
109	Injection molding-induced morphology of thermoplastic polymer blends. *Polymer Engineering and Science*, **2005**, 45, 1655-1665	2.3	49
108	Biodegradable graphene oxide nanosheets/poly-(butylene adipate-co-terephthalate) nanocomposite film with enhanced gas and water vapor barrier properties. *Polymer Testing*, **2017**, 58, 173-180	4.5	48
107	From Nanofibrillar to Nanolaminar Poly(butylene succinate): Paving the Way to Robust Barrier and Mechanical Properties for Full-Biodegradable Poly(lactic acid) Films. *ACS Applied Materials & Interfaces*, **2015**, 7, 8023-32	9.5	48
106	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. *ACS Applied Materials & Interfaces*, **2017**, 9, 10148-10159	9.5	47
105	Graphene Oxide Nanosheet Induced Intrachain Conformational Ordering in a Semicrystalline Polymer. *Journal of Physical Chemistry Letters*, **2012**, 3, 530-5	6.4	47
104	Deformation-induced morphology evolution during uniaxial stretching of isotactic polypropylene: effect of temperature. *Colloid and Polymer Science*, **2012**, 290, 261-274	2.4	46
103	Wearable Polyethylene/Polyamide Composite Fabric for Passive Human Body Cooling. *ACS Applied Materials & Interfaces*, **2018**, 10, 41637-41644	9.5	45
102	Toward stronger transcrystalline layers in poly(L-lactic acid)/natural fiber biocomposites with the aid of an accelerator of chain mobility. *Journal of Physical Chemistry B*, **2014**, 118, 812-23	3.4	44

101	Nanodroplet formation and exclusive homogenously nucleated crystallization in confined electrospun immiscible polymer blend fibers of polystyrene and poly(ethylene oxide). *Polymer*, **2011**, 52, 5397-5402	3.9	44
100	Suppressing the skin-core structure of injection-molded isotactic polypropylene via combination of an in situ microfibrillar network and an interfacial compatibilizer. *Journal of Physical Chemistry B*, **2011**, 115, 7497-504	3.4	41
99	Isothermal and nonisothermal crystallization of isotactic polypropylene/graphene oxide nanosheet nanocomposites. *Journal of Polymer Research*, **2012**, 19, 1	2.7	39
98	Non-isothermal crystallization of poly(L-lactide) (PLLA) under quiescent and steady shear conditions. *Chinese Journal of Polymer Science (English Edition)*, **2010**, 28, 357-366	3.5	39
97	Cellulose/carbon Composites and their Applications in Water Treatment □a Review. *Chemical Engineering Journal*, **2021**, 405, 126980	14.7	38
96	Understanding Nonlinear Dielectric Properties in a Biaxially Oriented Poly(vinylidene fluoride) Film at Both Low and High Electric Fields. *ACS Applied Materials & Interfaces*, **2016**, 8, 455-65	9.5	37
95	Composite Poly(vinylidene fluoride)/Polystyrene Latex Particles for Confined Crystallization in 180 nm Nanospheres via Emulsifier-Free Batch Seeded Emulsion Polymerization. *Macromolecules*, **2014**, 47, 2632-2644	5.5	37
94	Polymorphic Extended-Chain and Folded-Chain Crystals in Poly(vinylidene fluoride) Achieved by Combination of High Pressure and Ion□Dipole Interaction. *Macromolecules*, **2015**, 48, 8565-8573	5.5	35
93	Surface nucleation-induced fluoropolymer Janus nanoparticlesvia emulsifier-free batch-seeded emulsion polymerization. *Soft Matter*, **2011**, 7, 11187	3.6	34
92	Extensional Stress-Induced Orientation and Crystallization can Regulate the Balance of Toughness and Stiffness of Polylactide Films: Interplay of Oriented Amorphous Chains and Crystallites. *Macromolecules*, **2019**, 52, 5278-5288	5.5	33
91	Phase assembly-induced transition of three dimensional nanofibril- to sheet-networks in porous cellulose with tunable properties. *Cellulose*, **2014**, 21, 383-394	5.5	30
90	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. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2887-2897	8.3	30
89	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. *Polymer*, **2014**, 55, 4765-4775	3.9	27
88	Enhanced piezoelectricity from highly polarizable oriented amorphous fractions in biaxially oriented poly(vinylidene fluoride) with pure □crystals. *Nature Communications*, **2021**, 12, 675	17.4	27
87	Biodegradable poly(lactic acid)/hydroxyl apatite 3D porous scaffolds using high-pressure molding and salt leaching. *Journal of Materials Science*, **2014**, 49, 1648-1658	4.3	26
86	Morphology and mechanical properties of poly (phenylene sulfide)/isotactic polypropylene in situ microfibrillar blends. *Polymer Engineering and Science*, **2005**, 45, 1303-1311	2.3	25
85	Preferential formation of stereocomplex in high-molecular-weight polylactic acid racemic blend induced by carbon nanotubes. *Polymer*, **2016**, 105, 167-171	3.9	24
84	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?. *Macromolecules*, **2018**, 51, 5460-5472	5.5	24

83	Layer structure by shear-induced crystallization and thermal mechanical properties of injection-molded poly(l-lactide) with nucleating agents. *Polymer*, **2017**, 110, 196-210	3.9	22
82	Stretching-Induced Relaxor Ferroelectric Behavior in a Poly(vinylidene fluoride-co-trifluoroethylene-co-hexafluoropropylene) Random Terpolymer. *Macromolecules*, **2017**, 50, 7646-7656	5.5	22
81	Toward faster degradation for natural fiber reinforced poly(lactic acid) biocomposites by enhancing the hydrolysis-induced surface erosion. *Journal of Polymer Research*, **2014**, 21, 1	2.7	22
80	Shear induced crystallization of poly(L-lactide) and poly(ethylene glycol) (PLLA-PEG-PLLA) copolymers with different block length. *Journal of Polymer Research*, **2011**, 18, 675-680	2.7	20
79	Inducing Stereocomplex Crystals by Template Effect of Residual Stereocomplex Crystals during Thermal Annealing of Injection-Molded Polylactide. *Industrial & Engineering Chemistry Research* , **2016**, 55, 10896-10905	3.9	20
78	Core-shell nanoparticles toughened polylactide with excellent transparency and stiffness-toughness balance. *Composites Science and Technology*, **2018**, 164, 168-177	8.6	20
77	Recyclability of In Situ Microfibrillar Poly(ethylene terephthalate)/High-Density Polyethylene Blends. *Macromolecular Materials and Engineering*, **2007**, 292, 362-372	3.9	19
76	Simultaneous Preparation and Dispersion of Regenerated Cellulose Nanoparticles Using a Facile Protocol of Dissolution□elation□solation□Melt Extrusion. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2470-2478	8.3	19
75	Hydrophobic Graphene Oxide as a Promising Barrier of Water Vapor for Regenerated Cellulose Nanocomposite Films. *ACS Omega*, **2019**, 4, 509-517	3.9	19
74	Biomimetic Nanofibrillation in Two-Component Biopolymer Blends with Structural Analogs to Spider Silk. *Scientific Reports*, **2016**, 6, 34572	4.9	18
73	Gradient Structure of Crystalline Morphology in Injection-Molded Polylactide Parts Tuned by Oscillation Shear Flow and Its Influence on Thermomechanical Performance. *Industrial & Engineering Chemistry Research*, **2017**, 56, 6295-6306	3.9	18
72	Nucleation ability of thermally reduced graphene oxide for polylactide: role of size and structural integrity. *Journal of Physical Chemistry B*, **2015**, 119, 4777-87	3.4	17
71	The Role of Melt Memory and Template Effect in Complete Stereocomplex Crystallization and Phase Morphology of Polylactides. *Crystal Growth and Design*, **2018**, 18, 1613-1621	3.5	17
70	Formation of Poly(L-lactide) mesophase and its chain mobility dependent kinetics. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 1176-1187	3.5	16
69	An efficient, food contact accelerator for stereocomplexation of high-molecular-weight poly(l-lactide)/ poly(d-lactide) blend under nonisothermal crystallization. *Polymer*, **2019**, 170, 54-64	3.9	15
68	Crystallization of linear low density polyethylene on an in situ oriented isotactic polypropylene substrate manipulated by an extensional flow field. *CrystEngComm*, **2016**, 18, 77-91	3.3	15
67	Promoting Interfacial Transcrystallization in Polylactide/Ramie Fiber Composites by Utilizing Stereocomplex Crystals. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 7128-7136	8.3	15
66	Effect of ion-dipole interaction on the formation of polar extended-chain crystals in high pressure-crystallized poly(vinylidene fluoride). *Polymer*, **2018**, 158, 204-212	3.9	15

65	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. *Journal of Materials Chemistry A*, **2017**, 5, 22697-22707	13	14
64	The crystallization behavior of biodegradable poly(butylene succinate) in the presence of organically modified clay with a wide range of loadings. *Chinese Journal of Polymer Science (English Edition)*, **2015**, 33, 576-586	3.5	14
63	Ultra-high mechanical properties of porous composites based on regenerated cellulose and cross-linked poly(ethylene glycol). *Carbohydrate Polymers*, **2018**, 179, 244-251	10.3	13
62	Innovative enhancement of gas barrier properties of biodegradable poly(butylene succinate) nanocomposite films by introducing confined crystals. *RSC Advances*, **2016**, 6, 2530-2536	3.7	13
61	Non-isothermal crystallization of ethylene-vinyl acetate copolymer containing a high weight fraction of graphene nanosheets and carbon nanotubes. *Chinese Journal of Polymer Science (English Edition)*, **2012**, 30, 879-892	3.5	13
60	Realization of ultra-high barrier to water vapor by 3D-interconnection of super-hydrophobic graphene layers in polylactide films. *Journal of Materials Chemistry A*, **2017**, 5, 14377-14386	13	11
59	Injection-molded hydroxyapatite/polyethylene bone-analogue biocomposites via structure manipulation. *Journal of Materials Chemistry B*, **2015**, 3, 7585-7593	7.3	11
58	Structure Evolution upon Uniaxial Drawing Skin- and Core-Layers of Injection-Molded Isotactic Polypropylene by In Situ Synchrotron X-ray Scattering. *Journal of Polymer Science, Part B: Polymer Physics*, **2013**, 51, 1618-1631	2.6	11
57	Robust cellulose nanocomposite films based on covalently cross-linked network with effective resistance to water permeability. *Carbohydrate Polymers*, **2019**, 211, 237-248	10.3	10
56	Robust hydrogel of regenerated cellulose by chemical crosslinking coupled with polyacrylamide network. *Journal of Applied Polymer Science*, **2019**, 136, 47811	2.9	10
55	Largely enhanced mechanical performance of poly(butylene succinate) multiple system via shear stress-induced orientation of the hierarchical structure. *Journal of Materials Chemistry A*, **2018**, 6, 13373-13385	13	10
54	Crystallization behavior and morphology of one-step reaction compatibilized microfibrillar reinforced isotactic polypropylene/poly(ethylene terephthalate) (iPP/PET) blends. *Chinese Journal of Polymer Science (English Edition)*, **2011**, 29, 540-551	3.5	10
53	Ultrathin, flexible and sandwich-structured PHBV/silver nanowire films for high-efficiency electromagnetic interference shielding. *Journal of Materials Chemistry C*, **2021**, 9, 3307-3315	7.1	10
52	Constructing Sandwich-Architectured Poly(l-lactide)/High-Melting-Point Poly(l-lactide) Nonwoven Fabrics: Toward Heat-Resistant Poly(l-lactide) Barrier Biocomposites with Full Biodegradability.. *ACS Applied Bio Materials*, **2019**, 2, 1357-1367	4.1	9
51	Highly Efficient Three-Dimensional Gas Barrier Network for Biodegradable Nanocomposite Films at Extremely Low Loading Levels of Graphene Oxide Nanosheets. *Industrial & Engineering Chemistry Research*, **2020**, 59, 5818-5827	3.9	9
50	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. *Polymers*, **2017**, 9,	4.5	9
49	Temperature dependence of molecular conformation in uniaxially deformed isotactic polypropylene investigated by combination of polarized FTIR spectroscopy and 2D correlation analysis. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 673-684	2.6	9
48	Polarity-induced ferroelectric crystalline phase in electrospun fibers of poly(vinylidene fluoride)/polyacrylonitrile blends. *Journal of Materials Research*, **2012**, 27, 1389-1398	2.5	9

47	Effects of Rigid Amorphous Fraction and Lamellar Crystal Orientation on Electrical Insulation of Poly(ethylene terephthalate) Films. *Macromolecules*, **2020**, 53, 3967-3977	5.5	8
46	Morphology and film performance of phthalate-free plasticized poly(vinyl chloride) composite particles via the graft copolymerization of acrylate swelling flower-like latex particles. *RSC Advances*, **2015**, 5, 40076-40087	3.7	8
45	Morphology and Crystallization Behavior of Compatibilized Isotactic Polypropylene/Poly(butylene terephthalate) Blends under Shear Flow. *Polymer-Plastics Technology and Engineering*, **2012**, 51, 507-513		8
44	Raspberry-like morphology of polyvinyl chloride/zinc oxide nanoparticles induced by surface interaction and formation of nanoporous foam. *RSC Advances*, **2015**, 5, 36845-36857	3.7	7
43	Towards transparent PMMA/SiO2 nanocomposites with promising scratch-resistance by manipulation of SiO2 aggregation followed by in situ polymerization. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	7
42	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. *Journal of Polymer Research*, **2012**, 19, 1	2.7	7
41	Humidity sensitive cellulose composite aerogels with enhanced mechanical performance. *Cellulose*, **2020**, 27, 6287-6297	5.5	7
40	Rapid preparation and continuous processing of polylactide stereocomplex crystallite below its melting point. *Polymer Bulletin*, **2019**, 76, 3371-3385	2.4	7
39	Enhanced Dielectric and Ferroelectric Properties of Poly(vinylidene fluoride) through Annealing Oriented Crystallites under High Pressure. *Macromolecules*, **2022**, 55, 2014-2027	5.5	7
38	Structure and Properties of All-Cellulose Composites Prepared by Controlling the Dissolution Temperature of a NaOH/Urea Solvent. *Industrial & Engineering Chemistry Research*, **2020**, 59, 10428-10435	3.8	6
37	Simultaneously improving stiffness, toughness, and heat deflection resistance of polylactide using the strategy of orientation crystallization amplified by interfacial interactions. *Polymer Crystallization*, **2018**, 1, e10004	0.9	6
36	Polylactide porous biocomposites with high heat resistance by utilizing cellulose template-directed construction. *Cellulose*, **2020**, 27, 3805-3819	5.5	5
35	Confined crystallization of poly(butylene succinate) intercalated into organoclays: role of surfactant polarity. *RSC Advances*, **2016**, 6, 68072-68080	3.7	5
34	Structure of polyamide 6/poly(ethylene terephthalate) blends under high cooling rate and shear stress and their moisture-sensitive properties. *Polymer*, **2020**, 203, 122817	3.9	5
33	Nondestructive and Quantitative Characterization of Bulk Injection-Molded Polylactide Using SAXS Microtomography. *Macromolecules*, **2020**, 53, 6498-6509	5.5	5
32	Superhydrophobic, Self-Cleaning, and Robust Properties of Oriented Polylactide Imparted by Surface Structuring. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 6296-6304	8.3	5
31	Durably Ductile, Transparent Polystyrene Based on Extensional Stress-Induced Rejuvenation Stabilized by Styrene-Butadiene Block Copolymer Nanofibrils.. *ACS Macro Letters*, **2021**, 10, 71-77	6.6	5
30	Oriented Polar Crystals in Poly(Vinylidene Fluoride) Produced by Simultaneously Applying Pressure and Flow. *Macromolecular Chemistry and Physics*, **2018**, 219, 1800299	2.6	5

29	Interconnected Microdomain Structure of a Cross-Linked Cellulose Nanocomposite Revealed by Micro-Raman Imaging and Its Influence on Water Permeability of a Film. *Biomacromolecules*, **2019**, 20, 2754-2762	6.9	4
28	Nonisothermal crystallization of isotactic polypropylene in carbon nanotube networks: The interplay of heterogeneous nucleation and confinement effect. *Journal of Thermoplastic Composite Materials*, **2016**, 29, 1352-1368	1.9	4
27	Role of lamellar thickening in thick lamellae formation in isotactic polypropylene when crystallizing under flow and pressure. *Polymer*, **2019**, 179, 121641	3.9	4
26	Industrially Scalable Approach to Nanohybrid Shish Kebabs by In Situ Nanofibrillation of Isotactic Poly(propylene). *Macromolecular Chemistry and Physics*, **2015**, 216, 2241-2248	2.6	4
25	Shear Enhanced Crystallization and Tensile Behaviors of Oscillation Shear Injection Molded Poly(ethylene terephthalate). *Journal of Macromolecular Science - Physics*, **2010**, 50, 383-397	1.4	4
24	Coupling effect of pressure and flow fields on the crystallization of Poly(vinylidene fluoride)/Poly(methyl methacrylate) miscible blends. *Polymer*, **2021**, 220, 123565	3.9	4
23	How the Aggregates Determine Bound Rubber Models in Silicone Rubber? A Contrast Matching Neutron Scattering Study. *Chinese Journal of Polymer Science (English Edition)*, **2021**, 39, 365-376	3.5	4
22	Rapid Melt Crystallization of Bisphenol-A Polycarbonate Jointly Induced by Pressure and Flow. *Macromolecules*, **2021**, 54, 2383-2393	5.5	4
21	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. *Composites Part B: Engineering*, **2021**, 222, 109048	10	4
20	Spatial dependence of ordering process in bulk materials of polylactide and its multiple system during hygrothermal aging. *Polymer Degradation and Stability*, **2020**, 174, 109107	4.7	3
19	Robust, transparent films of propylene-ethylene copolymer through isotropic-orientation transition at low temperature accelerated by adjustment of ethylene contents. *Polymer*, **2020**, 187, 122099	3.9	3
18	Robust propylene-ethylene copolymer/polypropylene films: Extensional stress-induced orientation realized at low temperature processing. *Polymer*, **2020**, 206, 122848	3.9	3
17	Tuning wettability and mechanical property of polylactide composite films with in-situ nanofibrils of poly(butylene adipate-co-terephthalate). *Composites Communications*, **2020**, 22, 100515	6.7	3
16	Imparting Gradient and Oriented Characters to Cocontinuous Structure for Improving Integrated Performance. *Macromolecular Chemistry and Physics*, **2021**, 222, 2100012	2.6	3
15	Structural regulation of poly(urea-formaldehyde) microcapsules containing lube base oil and their thermal properties. *Progress in Organic Coatings*, **2021**, 150, 105990	4.8	3
14	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. *Journal of Hazardous Materials*, **2022**, 423, 127054	12.8	3
13	Tailored Surface Porosity of Polyethylene-Based Co-continuous Structures for Moving Bed Biofilm Reactor Carriers. *ACS Applied Polymer Materials*, **2020**, 2, 3226-3233	4.3	2
12	Coupling Effect of Mechanical and Thermal Rejuvenation for Polystyrene: Toward High Performance of Stiffness, Ductility, and Transparency. *Macromolecules*, **2021**, 54, 8875-8885	5.5	2

11	Unique Banded Cylindrites of Polyoxymethylene/Poly(butylene succinate) Blends Induced by Interfacial Shear. *ACS Applied Polymer Materials*, **2019**, 1, 2741-2750	4.3	1
10	Effects of Solvents on Stereocomplex Crystallization of High-Molecular-Weight Polylactic Acid Racemic Blends in the Presence of Carbon Nanotubes. *Macromolecular Chemistry and Physics*, **2017**, 218, 1700292	2.6	1
9	Effective electromagnetic interference shielding properties of micro-truss structured CNT/Epoxy composites fabricated based on visible light processing. *Composites Science and Technology*, **2022**, 221, 109296	8.6	1
8	Understanding the Morphological and Structural Evolution of □and □Poly(vinylidene fluoride) During High Temperature Uniaxial Stretching by In Situ Synchrotron X-ray Scattering. *Industrial & Engineering Chemistry Research*, **2020**, 59, 18567-18578	3.9	1
7	Strong and ductile poly(butylene adipate-co-terephthalate) biocomposites fabricated by oscillation shear injection molding. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	1
6	The coupling effect of cellulose nanocrystal and strong shear field achieved the strength and toughness balance of Polylactide.. *International Journal of Biological Macromolecules*, **2022**, 207, 927-940	7.9	1
5	Enhanced melt-recrystallization process of propylene-ethylene copolymer during the uniaxial stretching with the aid of isotactic polypropylene. *Polymer*, **2022**, 239, 124443	3.9	0
4	Internal nanostructure and structure-processing relationship of injection molded poly (butylene adipate-co-terephthalate) studied by SAXS-CT. *Polymer*, **2021**, 237, 124359	3.9	0
3	Tribological performances and self-lubricating mechanism of monomer casting nylon-6 composite coatings containing lube base oil-loaded microcapsules. *Progress in Organic Coatings*, **2021**, 160, 106528	4.8	0
2	Interfacial Banded Transcrystallization of Polyoxymethylene/Poly(butylene succinate) Blends Induced by the Polyamide 6 Fiber. *Chinese Journal of Polymer Science (English Edition)*, **2022**, 40, 394-402	3.5	0
1	Quantitative Investigation on Structural Evolution of Co-continuous Phase under Shear Flow. *Chinese Journal of Polymer Science (English Edition)*,1	3.5	0