

# Yong-Feng Men

## List of Publications by Year in descending order

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179  
papers

5,668  
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100601

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	One-Pot Synthesis of Supertough, Sustainable Polyester Thermoplastic Elastomers Using Block-Like, Gradient Copolymer as Soft Middleblock. <i>CCS Chemistry</i> , 2022, 4, 1263-1272.	4.6	21
2	Crystallization behavior of impact copolymer polypropylene revealed by fast scanning chip calorimetry analysis. <i>Polymer</i> , 2022, 239, 124441.	1.8	4
3	Molar mass dependent spatial distribution of form II to I transition inside spherulites of disentangled isotactic Polybutene revealed by scanning Confocal Raman microscopy. <i>Polymer</i> , 2022, 241, 124529.	1.8	3
4	Mold temperature- and molar mass-dependent structural formation in micro-injection molding of isotactic polypropylene. <i>Polymer</i> , 2022, 248, 124797.	1.8	7
5	Environmental stress cracking of polyethylene pipe: Changes in physical structures leading to failure. <i>Polymer</i> , 2022, 252, 124938.	1.8	7
6	Mechanically Robust Skin-like Poly(urethane-urea) Elastomers Cross-Linked with Hydrogen-Bond Arrays and Their Application as High-Performance Ultrastretchable Conductors. <i>Macromolecules</i> , 2022, 55, 5816-5825.	2.2	35
7	Chain Entanglements and Interlamellar Links in Isotactic Polybutene-1: The Effect of Condis Crystals and Crystallization Temperature. <i>Macromolecules</i> , 2022, 55, 5636-5644.	2.2	12
8	Advantage of Preserving Bi-orientation Structure of Isotactic Polypropylene through Die Drawing. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 91-101.	2.0	8
9	Effect of Methoxy Side Groups on the Crystal Structures of a Series of <i>i</i> -Syndiotactic Polymethoxystyrenes as Studied by the X-ray Diffraction Data Analysis. <i>Macromolecules</i> , 2021, 54, 1881-1893.	2.2	3
10	Change of lamellar morphology upon polymorphic transition of form II to form I crystals in isotactic Polybutene-1 and its copolymer. <i>Polymer</i> , 2021, 215, 123355.	1.8	11
11	In situ synchrotron small angle X-ray scattering investigation of structural formation of polyethylene upon micro-injection molding. <i>Polymer</i> , 2021, 215, 123390.	1.8	13
12	Temperature dependency of cavitation in impact copolymer polypropylene during stretching. <i>Polymer</i> , 2021, 217, 123428.	1.8	10
13	Structural evolution in propylene-based elastomer with $\beta$ form during stress relaxation. <i>Polymer</i> , 2021, 219, 123567.	1.8	4
14	Towards a better understanding of the crystallization and melting behaviors of high-density polyethylene samples prepared from quasi-isothermal and stretching oriented localized melts. <i>Polymer</i> , 2021, 218, 123485.	1.8	6
15	Discovery and Insights into Organized Spontaneous Emulsification via Interfacial Self-Assembly of Amphiphilic Bottlebrush Block Copolymers. <i>Macromolecules</i> , 2021, 54, 3668-3677.	2.2	36
16	Sulfophenylated Poly (Ether Ether Ketone Ketone) Nanofiber Composite Separator with Excellent Electrochemical Performance and Dimensional Thermal Stability for Lithium-Ion Battery via Electrospinning. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100118.	1.7	5
17	A Simple Way to Control Small-Strain Cavitation in Die-Drawn Isotactic Polypropylene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 5151-5160.	1.8	4
18	Formation and Distribution of the Mesophase in Ultrasonic Micro-Injection-Molded Isotactic Polypropylene. <i>Macromolecules</i> , 2021, 54, 5167-5177.	2.2	13

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19	Limited Fraction of Crystallized Side Chains in Bottlebrush Poly(n-alkyl methacrylate)s. Chinese Journal of Polymer Science (English Edition), 2021, 39, 1211-1216.	2.0	4
20	Gaussian and Non-Gaussian Distributions of Fracture Properties in Tensile Stretching of High-Density Polyethylene. Macromolecules, 2021, 54, 8860-8874.	2.2	10
21	Glass-Transition-Temperature-Independent Form II to I Phase Transition of Low-Molar-Mass Isotactic Polybutene-1. Macromolecules, 2021, 54, 858-865.	2.2	7
22	High performance of polyethylene composite separators modified by carbon nanotube, lithium salt and SiO <sub>2</sub> nanoparticles for lithium ion batteries. Composites Communications, 2021, 28, 100976.	3.3	9
23	Skin-Inspired Healable Conductive Elastomers with Exceptional Strain-Adaptive Stiffening and Damage Tolerance. Macromolecules, 2021, 54, 10767-10775.	2.2	42
24	A two-stage energy tuning strategy via salt and glycine programmed DNA-engineered crystals. Chemical Communications, 2021, 57, 13578-13581.	2.2	0
25	Molecular weight dependency of $\beta$ phase formation in injection-molded isotactic polypropylene. Journal of Applied Polymer Science, 2020, 137, 48555.	1.3	12
26	Crystallinity of polyolefins with large side groups by low-field <sup>1</sup> H NMR T <sub>2</sub> relaxometry: Isotactic Polybutene-1 with form II and I crystals. Solid State Nuclear Magnetic Resonance, 2020, 105, 101637.	1.5	15
27	Temperature dependent network properties of amorphous PCT during tensile stretching. Polymer, 2020, 186, 122038.	1.8	8
28	Microstructure of bottlebrush poly(n-alkyl methacrylate)s beyond side chain packing. Polymer, 2020, 210, 123034.	1.8	14
29	Nucleation Mechanism for Form II to I Polymorphic Transformation in Polybutene-1. Macromolecules, 2020, 53, 6476-6485.	2.2	21
30	Promotion of Form II in the Polymorph Selection of Polybutene-1 during Crystallization under High Gas/Supercritical Fluid Pressure via Enhancing Chain Mobility. Macromolecules, 2020, 53, 10069-10077.	2.2	18
31	Critical Strains Determine the Tensile Deformation Mechanism in Semicrystalline Polymers. Macromolecules, 2020, 53, 9155-9157.	2.2	41
32	Effect of $\beta$ -relaxation on the large strain cavitation in polyethylene. Polymer, 2020, 210, 123049.	1.8	10
33	Healable, Recyclable, and Mechanically Tough Polyurethane Elastomers with Exceptional Damage Tolerance. Advanced Materials, 2020, 32, e2005759.	11.1	262
34	Side chain packing states of chitosan-based supramolecular derivatives containing long alkyl side chains. Polymer Crystallization, 2020, 3, e10110.	0.5	4
35	Strain dependent evolution of structure and stress in propylene-based elastomer during stress relaxation. Polymer, 2020, 201, 122612.	1.8	9
36	Origin of vacuum-assisted chiral self-assembly of cellulose nanocrystals. Carbohydrate Polymers, 2020, 245, 116459.	5.1	30

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37	Suppressed Cavitation in Die-Drawn Isotactic Polypropylene. <i>Macromolecules</i> , 2020, 53, 4863-4873.	2.2	15
38	Formation and stabilization of crystal nuclei in isotactic polybutene-1 aged below glass transition temperature. <i>Polymer</i> , 2020, 192, 122293.	1.8	10
39	Hierarchical structure of polybutene-1 in crystal blocks resulting from the form II to I solid-to-solid transition as revealed by small-angle X-ray scattering. <i>Polymer</i> , 2020, 195, 122425.	1.8	22
40	Structural evolution of flow-oriented high density polyethylene upon heating: In situ SAXS and WAXD studies. <i>Polymer</i> , 2019, 180, 121698.	1.8	13
41	Polymer Crystallization Research in China. <i>Polymer Crystallization</i> , 2019, 2, e10067.	0.5	0
42	Formation and growth of cavities in tensile deformation of Poly( $\mu$ -caprolactone) and its miscible blends. <i>Polymer</i> , 2019, 185, 121984.	1.8	10
43	Preparative Temperature Rising Elution Fractionation of One Poly(1-butene) Copolymer and Its Chain Microstructure Characterization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 16869-16876.	1.8	11
44	Crystallization of forms I and form II of polybutene-1 in stretched polypropylene/polybutene-1 blends. <i>Polymer</i> , 2019, 182, 121817.	1.8	10
45	Destruction and Reorganization of Physically Cross-Linked Network of Thermoplastic Polyurethane Depending on Its Glass Transition Temperature. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3074-3083.	2.0	17
46	Preparation and Properties of High-performance Polyimide Copolymer Fibers Derived from 5-Amino-2-(2-hydroxy-5-aminobenzene)-benzoxazole. <i>Chinese Journal of Polymer Science (English)</i> Tj ETQq0 0 0 rgBTQOverlok 10 Tf 50		
47	Enhanced beta to alpha recrystallization in beta isotactic polypropylene with different thermal histories. <i>Polymer Crystallization</i> , 2019, 2, e10040.	0.5	8
48	Encapsulation of polar phase change materials via multiemulsification and crosslinking method and its application in building. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47837.	1.3	16
49	Role of the Hydrophilic Latex Particle Surface in Water Diffusion into Films from Waterborne Polymer Colloids. <i>Langmuir</i> , 2019, 35, 6075-6088.	1.6	11
50	Melt Memory Effect beyond the Equilibrium Melting Point in Commercial Isotactic Polybutene-1. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 5472-5478.	1.8	22
51	Handwritable one-dimensional photonic crystals prepared from dendronized brush block copolymers. <i>Polymer Chemistry</i> , 2019, 10, 1519-1525.	1.9	25
52	Large strain cavitation induced stress whitening in propylene-butene-1 copolymer during stretching. <i>Polymer</i> , 2019, 167, 146-153.	1.8	14
53	Predicting the location of weld line in microinjection-molded polyethylene via molecular orientation distribution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1705-1715.	2.4	3
54	Die geometry induced heterogeneous morphology of polypropylene inside the die during die-drawing process. <i>Polymer Testing</i> , 2019, 74, 104-112.	2.3	6

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55	Effect of aminated nanocrystal cellulose on proton conductivity and dimensional stability of proton exchange membranes. <i>Applied Surface Science</i> , 2019, 466, 691-702.	3.1	46
56	Unique Stress Whitening and High-Toughness Double-Cross-Linked Cellulose Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1707-1717.	3.2	30
57	Retardance of Form II to Form I Transition in Polybutene-1 at Late Stage: A Proposal of a New Mechanism. <i>Macromolecules</i> , 2018, 51, 2232-2239.	2.2	83
58	Micro/macro-stress relationship and local stress distribution in polyethylene spherulites upon uniaxial stretching in the small strain domain. <i>Polymer</i> , 2018, 140, 215-224.	1.8	23
59	Equilibrium Crystallization Temperature of Syndiotactic Polystyrene $\beta^3$ Form. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 749-755.	2.0	7
60	Initiation, Development and Stabilization of Cavities during Tensile Deformation of Semicrystalline Polymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 1195-1199.	2.0	35
61	Orientation direction dependency of cavitation in pre-oriented isotactic polypropylene at large strains. <i>Soft Matter</i> , 2018, 14, 4432-4444.	1.2	20
62	Inter-fibrillar tie chains determined critical stress of large strain cavitation in tensile stretched isotactic polypropylene. <i>Polymer</i> , 2018, 138, 387-395.	1.8	17
63	Radiopaque Highly Stiff and Tough Shape Memory Hydrogel Microcoils for Permanent Embolization of Arteries. <i>Advanced Functional Materials</i> , 2018, 28, 1705962.	7.8	107
64	Lamellar Thickness Dependence of Crystal Modification Selection in the Syndiotactic Polystyrene $\beta^3$ -to- $\beta^2$ Phase Transition Process. <i>Macromolecules</i> , 2018, 51, 497-503.	2.2	10
65	Mechanism of Significant Improvement of Large Strain Elasticity in Soft Propylene-ethylene Random Copolymer via Blending with Hard Propylene-ethylene Copolymer. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 4967-4977.	1.8	6
66	Cavitation in Poly(4-methyl-1-pentene) during Tensile Deformation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4159-4168.	1.2	18
67	Polymorph selection during crystallization of random copolymers. <i>European Polymer Journal</i> , 2018, 101, 218-224.	2.6	25
68	Thermal shrinkage and microscopic shutdown mechanism of polypropylene separator for lithium-ion battery: In-situ ultra-small angle X-ray scattering study. <i>Journal of Membrane Science</i> , 2018, 545, 213-220.	4.1	69
69	Initial lamellar thickness dependency of recrystallization behavior of poly(4-methyl-1-pentene). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 219-224.	2.4	4
70	Cavitation-induced Stress Whitening in Semicrystalline Polymers. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800203.	1.7	68
71	Spontaneous Form II to I Transition in Low Molar Mass Polybutene-1 at Crystallization Temperature Reveals Stabilization Role of Intercrystalline Links and Entanglements for Metastable Form II Crystals. <i>Macromolecules</i> , 2018, 51, 8298-8305.	2.2	62
72	High-performance polyimide copolymer fibers derived from 5-amino-2-(2-hydroxy-4-aminobenzene)-benzoxazole: Preparation, structure and properties. <i>Polymer</i> , 2018, 150, 254-266.	1.8	23

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73	Interplay between Crystallization and Entanglements in the Amorphous Phase of the Crystal-Fixed Polymer Poly( $\mu$ -caprolactone). <i>Macromolecules</i> , 2018, 51, 5831-5841.	2.2	44
74	Subsequent but Independent Cavitation Processes in Isotactic Polypropylene during Stretching at Small- and Large-Strain Regimes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 8927-8937.	1.8	22
75	Progress in understanding of deformation mechanism of polyolefin elastomers during tensile stretching. <i>Scientia Sinica Chimica</i> , 2018, 48, 894-901.	0.2	1
76	Side-chain crystallization in alkyl-substituted cellulose esters and hydroxypropyl cellulose esters. <i>Carbohydrate Polymers</i> , 2017, 162, 28-34.	5.1	18
77	Melt Temperature and Initial Polymorphs Dependencies of Polymorphs Selection during Subsequent Crystallization in Propylene-ethylene Random Copolymer. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 198-205.	1.8	15
78	Influence of propylene-based elastomer on stress-whitening for impact copolymer. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	9
79	Crystallization and melting of isotactic polypropylene crystallized from quiescent melt and stress-induced localized melt. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 957-963.	2.4	18
80	Critical stress and thermal activation of crystal plasticity in polyethylene: Influence of crystal microstructure and chain topology. <i>Polymer</i> , 2017, 118, 192-200.	1.8	30
81	Tensile modulus enhancement and mechanism of polyimide fibers by post-thermal treatment induced microvoid evolution. <i>European Polymer Journal</i> , 2017, 91, 232-241.	2.6	18
82	Modified nanocrystal cellulose/fluorene-containing sulfonated poly(ether ether ketone ketone) composites for proton exchange membranes. <i>Applied Surface Science</i> , 2017, 416, 996-1006.	3.1	47
83	Facile preparation of porous plaster board containing phase change capsules using gel template. <i>Energy and Buildings</i> , 2017, 156, 134-139.	3.1	11
84	Crystallization of hard segments in MDI/BD-based polyurethanes deformed at elevated temperature and their dependence on the MDI/BD content. <i>European Polymer Journal</i> , 2017, 97, 423-436.	2.6	33
85	Stretching temperature dependence of the critical strain in the tensile deformation of polyethylene copolymer. <i>European Polymer Journal</i> , 2017, 97, 188-197.	2.6	12
86	Enhanced Toughness and Thermal Stability of Cellulose Nanocrystal Iridescent Films by Alkali Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8951-8958.	3.2	85
87	Initiation of cavitation upon drawing of pre-oriented polypropylene film: In situ SAXS and WAXD studies. <i>Polymer</i> , 2017, 128, 57-64.	1.8	39
88	Analysis of Diffuse SAXS Intensity in the Vicinity of Zero Scattering Angle Reveals the Location of the Flexibilizer in Homopolypropylene Compounds. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 8535-8542.	1.8	5
89	Counts Content and Stretching Temperature-Dependent Critical Stress for Destruction of $\beta^3$ Crystals in Propylene-Ethylene Random Copolymers. <i>ACS Omega</i> , 2017, 2, 6896-6905.	1.6	6
90	Crystallization Temperature Dependence of Cavitation and Plastic Flow in the Tensile Deformation of Poly( $\mu$ -caprolactone). <i>Journal of Physical Chemistry B</i> , 2017, 121, 6673-6684.	1.2	22

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91	Intercrystalline Links Determined Kinetics of Form II to I Polymorphic Transition in Polybutene-1. <i>Macromolecules</i> , 2017, 50, 5490-5497.	2.2	98
92	Stretching Temperature Dependency of Fibrillation Process in Isotactic Polypropylene. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6969-6978.	1.2	30
93	Entropy effect of alkyl tails on phase behaviors of side-chain-jacketed polyacetylenes: Columnar phase and isotropic phase reentry. <i>Polymer</i> , 2016, 87, 260-267.	1.8	7
94	Two-step cavitation in semi-crystalline polymer during stretching at temperature below glass transition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2007-2014.	2.4	31
95	Kinetics of Nucleation and Growth of Form II to I Polymorphic Transition in Polybutene-1 as Revealed by Stepwise Annealing. <i>Macromolecules</i> , 2016, 49, 5126-5136.	2.2	128
96	Exceptional enhancement of ductility and toughness in poly(vinylidene fluoride)/carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	11
97	Spontaneously Healable Thermoplastic Elastomers Achieved through One-Pot Living Ring-Opening Metathesis Copolymerization of Well-Designed Bulky Monomers. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12445-12455.	4.0	39
98	Mechanism of polymorph selection during crystallization of random butene-1/ethylene copolymer. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 1014-1020.	2.0	68
99	Elasticity Reinforcement in Propylene-Ethylene Random Copolymer Stretched at Elevated Temperature in Large Deformation Regime. <i>Macromolecules</i> , 2016, 49, 609-615.	2.2	33
100	A deblurring procedure for two-dimensional small angle X-ray scattering patterns. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 505-512.	2.0	0
101	Cyclic olefin copolymers of propylene with asymmetric Si-containing $\beta$ -diolefins: The tailored thermal and mechanical properties. <i>Polymer</i> , 2015, 61, 108-114.	1.8	12
102	Brill Transition Shown by Green Material Poly(octamethylene carbonate). <i>ACS Macro Letters</i> , 2015, 4, 317-321.	2.3	18
103	Achieving grazing-incidence ultra-small-angle X-ray scattering in a laboratory setup. <i>Journal of Applied Crystallography</i> , 2015, 48, 608-612.	1.9	5
104	Cavitation in Isotactic Polypropylene at Large Strains during Tensile Deformation at Elevated Temperatures. <i>Macromolecules</i> , 2015, 48, 5799-5806.	2.2	83
105	Lamellar Thickness and Stretching Temperature Dependency of Cavitation in Semicrystalline Polymers. <i>PLoS ONE</i> , 2014, 9, e97234.	1.1	47
106	Gelation/crystallization mechanisms of UHMWPE solutions and structures of ultradrawn gel films. <i>Polymer Journal</i> , 2014, 46, 21-35.	1.3	17
107	Direct Formation of Different Crystalline Forms in Butene-1/Ethylene Copolymer via Manipulating Melt Temperature. <i>Macromolecules</i> , 2014, 47, 8653-8662.	2.2	113
108	Stretching temperature and direction dependency of uniaxial deformation mechanism in overstretched polyethylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 716-726.	2.4	23



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109	Nature of molecular network in thermal shrinkage behavior of oriented high-density polyethylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 368-376.	2.4	11
110	Molecular Weight Dependency of Surface Free Energy of Native and Stabilized Crystallites in Isotactic Polypropylene. <i>ACS Macro Letters</i> , 2014, 3, 1101-1105.	2.3	21
111	Crystallization, Recrystallization, and Melting Lines in Syndiotactic Polypropylene Crystallized from Quiescent Melt and Semicrystalline State Due to Stress-Induced Localized Melting and Recrystallization. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13019-13023.	1.2	18
112	Effect of synthetic pathways on the phase transition and side-chain crystallization behavior of alkyl-substituted cellulose ethers. <i>Polymer Chemistry</i> , 2014, 5, 4105.	1.9	20
113	Molecular weight dependency of crystallization and melting behavior of $\hat{1}^2$ -nucleated isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1301-1308.	2.4	23
114	Deformation temperature and lamellar thickness dependency of Form I to Form III phase transition in syndiotactic polypropylene during tensile stretching. <i>Chinese Journal of Polymer Science (English)</i> Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50	2.2	10
115	Molecular Weight Dependency of Crystallization Line, Recrystallization Line, and Melting Line of Polybutene-1. <i>Macromolecules</i> , 2014, 47, 6401-6407.	2.2	60
116	Phase behavior of charge stabilized colloid dispersion with added water soluble polymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 1218-1224.	2.0	2
117	Tensile Deformation of Oriented Poly( $\hat{1}$ -caprolactone) and Its Miscible Blends with Poly(vinyl methyl) Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50	2.2	31
118	Stretching Temperature Dependency of Lamellar Thickness in Stress-Induced Localized Melting and Recrystallized Polybutene-1. <i>Macromolecules</i> , 2013, 46, 7874-7879.	2.2	71
119	Temperature-Dependent Gelation Process in Colloidal Dispersions by Diffusing Wave Spectroscopy. <i>Langmuir</i> , 2013, 29, 14044-14049.	1.6	21
120	Structural Evolution of Ethylene-Octene Copolymers upon Stretching and Unloading. <i>Macromolecules</i> , 2013, 46, 971-976.	2.2	40
121	Tensile Deformation of Polybutene-1 with Stable Form I at Elevated Temperature. <i>Macromolecules</i> , 2013, 46, 518-522.	2.2	88
122	Buckling-induced structural transition during the drying of a polymeric latex droplet on a solid surface. <i>Soft Matter</i> , 2012, 8, 12093.	1.2	13
123	Crystallographic deformation in mechanically soft colloidal crystals derived from polymeric latex dispersions. <i>Soft Matter</i> , 2012, 8, 5723.	1.2	6
124	Morphological Changes of Linear, Branched Polyethylenes and their Blends during Crystallization and Subsequent Melting by Synchrotron SAXS and DSC. <i>Macromolecular Symposia</i> , 2012, 312, 51-62.	0.4	7
125	Effect of annealing on the microstructure and mechanical properties of polypropylene with oriented shish-kebab structure. <i>Polymer International</i> , 2012, 61, 252-258.	1.6	47
126	Composition Effect on Interplay between Phase Separation and Dewetting in PMMA/SAN Blend Ultrathin Films. <i>Macromolecules</i> , 2011, 44, 5318-5325.	2.2	23



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127	Structural Reorganization of a Polymeric Latex Film During Dry Sintering at Elevated Temperatures. <i>Langmuir</i> , 2011, 27, 8458-8463.	1.6	16
128	Deformation-Induced Phase Separation in Blends of Poly( $\epsilon$ -caprolactone) with Poly(vinyl methyl ether). <i>Macromolecules</i> , 2011, 44, 7062-7065.	2.2	23
129	Confined crystallization and phase transition in semi-rigid chitosan containing long chain alkyl groups. <i>CrystEngComm</i> , 2011, 13, 561-567.	1.3	36
130	Temperature and Relative Humidity Dependency of Film Formation of Polymeric Latex Dispersions. <i>Langmuir</i> , 2011, 27, 12807-12814.	1.6	36
131	Analysis of the Lamellar Structure of Semicrystalline Polymers by Direct Model Fitting of SAXS Patterns. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13803-13808.	1.2	15
132	Stereospecific Cyclopolymerization of $\alpha,\beta$ -Diolenes by Pyridylamidohafnium Catalyst with the Highest Activity. <i>Macromolecules</i> , 2011, 44, 1062-1065.	2.2	33
133	Effect of Solvent Annealing on the Tensile Deformation Mechanism of a Colloidal Crystalline Polymeric Latex Film. <i>Langmuir</i> , 2011, 27, 12197-12200.	1.6	3
134	Radial structure of commercial styrene-co-butyl acrylate latex particles by means of synchrotron small-angle X-ray scattering under contrast-variation conditions. <i>Journal of Coatings Technology Research</i> , 2011, 8, 489-496.	1.2	2
135	Flow-induced epitaxial growth of high density polyethylene in its blends with low crystallizable polypropylene copolymer. <i>Polymer</i> , 2011, 52, 3655-3660.	1.8	14
136	Mapping the damaged zone around the crack tip in high density polyethylene with synchrotron microfocus small angle X-ray scattering technique. <i>Chinese Journal of Polymer Science (English)</i> Tj ETQq0 0 0 rgBT / Overlock 8 0 Tf 50 37		
137	Structural evolution of melt-drawn transparent high-density polyethylene during heating and annealing: Synchrotron small-angle X-ray scattering study. <i>European Polymer Journal</i> , 2010, 46, 1866-1877.	2.6	47
138	Effect of shear on the crystallization of the poly(ether ether ketone). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 220-225.	2.4	14
139	Isothermal crystallization of high density polyethylene with monomodal and bimodal molar mass distribution. <i>E-Polymers</i> , 2010, 10, .	1.3	0
140	Two Lamellar to Fibrillar Transitions in the Tensile Deformation of High-Density Polyethylene. <i>Macromolecules</i> , 2010, 43, 4727-4732.	2.2	123
141	Film Thickness Dependence of Phase Separation and Dewetting Behaviors in PMMA/SAN Blend Films. <i>Langmuir</i> , 2010, 26, 14530-14534.	1.6	23
142	Polymorphic Transformation of Isotactic Poly(1-butene) in Form III upon Heating: In Situ Synchrotron Small- and Wide-Angle X-ray Scattering Studies. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6001-6005.	1.2	23
143	Structural Evolution of a Colloidal Crystal Fiber during Heating and Annealing Studied by in Situ Synchrotron Small Angle X-ray Scattering. <i>Langmuir</i> , 2010, 26, 13216-13220.	1.6	18
144	Probing structural changes of spin-coated polystyrene film after swelling and precipitation by synchrotron GIUSAXS and AFM. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2009, 4, 265-268.	0.4	1

#	ARTICLE	IF	CITATIONS
145	Structural evolution of tensile deformed high-density polyethylene at elevated temperatures: Scanning synchrotron small- and wide-angle X-ray scattering studies. <i>Polymer</i> , 2009, 50, 4101-4111.	1.8	133
146	Composition effect on dewetting of ultrathin films of miscible polymer blend. <i>Polymer</i> , 2009, 50, 4745-4752.	1.8	22
147	Influence of Annealing on Microstructure and Mechanical Properties of Isotactic Polypropylene with $\beta$ -Phase Nucleating Agent. <i>Macromolecules</i> , 2009, 42, 6647-6655.	2.2	209
148	In Situ Observation of Tensile Deformation Processes of Soft Colloidal Crystalline Latex Fibers. <i>Macromolecules</i> , 2009, 42, 4795-4800.	2.2	9
149	Microstructure and Deformation Behavior of Polyethylene/Montmorillonite Nanocomposites with Strong Interfacial Interaction. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14118-14127.	1.2	27
150	GIUSAXS and AFM Studies on Surface Reconstruction of Latex Thin Films during Thermal Treatment. <i>Langmuir</i> , 2009, 25, 4230-4234.	1.6	19
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164	Non-Affine Structural Evolution of Soft Colloidal Crystalline Latex Films under Stretching as Observed via Synchrotron X-ray Scattering. <i>Langmuir</i> , 2006, 22, 8285-8288.	1.6	20
165	Viscous-Force-Dominated Tensile Deformation Behavior of Oriented Polyethylene. <i>Macromolecules</i> , 2006, 39, 2584-2591.	2.2	40
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