

Yong-Feng Men

List of Publications by Year in descending order

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3306
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#	ARTICLE	IF	CITATIONS
1	Role of the Entangled Amorphous Network in Tensile Deformation of Semicrystalline Polymers. <i>Physical Review Letters</i> , 2003, 91, 095502.	7.8	339
2	Healable, Recyclable, and Mechanically Tough Polyurethane Elastomers with Exceptional Damage Tolerance. <i>Advanced Materials</i> , 2020, 32, e2005759.	21.0	262
3	Influence of Annealing on Microstructure and Mechanical Properties of Isotactic Polypropylene with β -Phase Nucleating Agent. <i>Macromolecules</i> , 2009, 42, 6647-6655.	4.8	209
4	Temperature and Strain Rate Independence of Critical Strains in Polyethylene and Poly(ethylene-co-vinyl acetate). <i>Macromolecules</i> , 2000, 33, 1827-1833.	4.8	155
5	Uniaxial deformation of overstretched polyethylene: In-situ synchrotron small angle X-ray scattering study. <i>Polymer</i> , 2007, 48, 5125-5132.	3.8	144
6	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.	3.8	133
7	Structural Evolution of Tensile-Deformed High-Density Polyethylene during Annealing: Scanning Synchrotron Small-Angle X-ray Scattering Study. <i>Macromolecules</i> , 2007, 40, 7263-7269.	4.8	129
8	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.	4.8	128
9	Two Lamellar to Fibrillar Transitions in the Tensile Deformation of High-Density Polyethylene. <i>Macromolecules</i> , 2010, 43, 4727-4732.	4.8	123
10	Direct Formation of Different Crystalline Forms in Butene-1/Ethylene Copolymer via Manipulating Melt Temperature. <i>Macromolecules</i> , 2014, 47, 8653-8662.	4.8	113
11	Radiopaque Highly Stiff and Tough Shape Memory Hydrogel Microcoils for Permanent Embolization of Arteries. <i>Advanced Functional Materials</i> , 2018, 28, 1705962.	14.9	107
12	Intercrystalline Links Determined Kinetics of Form II to I Polymorphic Transition in Polybutene-1. <i>Macromolecules</i> , 2017, 50, 5490-5497.	4.8	98
13	Synchrotron Ultrasmall-Angle X-ray Scattering Studies on Tensile Deformation of Poly(1-butene). <i>Macromolecules</i> , 2004, 37, 9481-9488.	4.8	97
14	Tensile Deformation of Polybutene-1 with Stable Form I at Elevated Temperature. <i>Macromolecules</i> , 2013, 46, 518-522.	4.8	88
15	Critical Strains in Poly(μ -caprolactone) and Blends with Poly(vinyl methyl ether) and Poly(styrene-co-acrylonitrile). <i>Macromolecules</i> , 2003, 36, 1889-1898.	4.8	86
16	Enhanced Toughness and Thermal Stability of Cellulose Nanocrystal Iridescent Films by Alkali Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8951-8958.	6.7	85
17	Cavitation in Isotactic Polypropylene at Large Strains during Tensile Deformation at Elevated Temperatures. <i>Macromolecules</i> , 2015, 48, 5799-5806.	4.8	83
18	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.	4.8	83

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19	Structural Changes and Chain Radius of Gyration in Cold-Drawn Polyethylene after Annealing: Small- and Wide-Angle X-ray Scattering and Small-Angle Neutron Scattering Studies. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16650-16657.	2.6	82
20	Understanding of the tensile deformation in HDPE/LDPE blends based on their crystal structure and phase morphology. <i>Polymer</i> , 2003, 44, 1927-1933.	3.8	76
21	Stretching Temperature Dependency of Lamellar Thickness in Stress-Induced Localized Melting and Recrystallized Polybutene-1. <i>Macromolecules</i> , 2013, 46, 7874-7879.	4.8	71
22	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.	8.2	69
23	Shear induced shish-kebab structure in PP and its blends with LLDPE. <i>Polymer</i> , 2004, 45, 207-215.	3.8	68
24	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.	3.8	68
25	Cavitation-Induced Stress Whitening in Semicrystalline Polymers. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800203.	3.6	68
26	Mechanical $\dot{\epsilon}$ -Process in Polyethylene. <i>Macromolecules</i> , 2003, 36, 4689-4691.	4.8	66
27	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.	4.8	62
28	Molecular Weight Dependency of Crystallization Line, Recrystallization Line, and Melting Line of Polybutene-1. <i>Macromolecules</i> , 2014, 47, 6401-6407.	4.8	60
29	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.	5.4	47
30	Effect of annealing on the microstructure and mechanical properties of polypropylene with oriented shish-kebab structure. <i>Polymer International</i> , 2012, 61, 252-258.	3.1	47
31	Lamellar Thickness and Stretching Temperature Dependency of Cavitation in Semicrystalline Polymers. <i>PLoS ONE</i> , 2014, 9, e97234.	2.5	47
32	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.	6.1	47
33	Effect of aminated nanocrystal cellulose on proton conductivity and dimensional stability of proton exchange membranes. <i>Applied Surface Science</i> , 2019, 466, 691-702.	6.1	46
34	Interplay between Crystallization and Entanglements in the Amorphous Phase of the Crystal-Fixed Polymer Poly(μ -caprolactone). <i>Macromolecules</i> , 2018, 51, 5831-5841.	4.8	44
35	Skin-Inspired Healable Conductive Elastomers with Exceptional Strain-Adaptive Stiffening and Damage Tolerance. <i>Macromolecules</i> , 2021, 54, 10767-10775.	4.8	42
36	Critical Strains Determine the Tensile Deformation Mechanism in Semicrystalline Polymers. <i>Macromolecules</i> , 2020, 53, 9155-9157.	4.8	41

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37	Viscous-Force-Dominated Tensile Deformation Behavior of Oriented Polyethylene. <i>Macromolecules</i> , 2006, 39, 2584-2591.	4.8	40
38	Structural Evolution of Ethylene- <i>o</i> ctene Copolymers upon Stretching and Unloading. <i>Macromolecules</i> , 2013, 46, 971-976.	4.8	40
39	Spontaneously Healable Thermoplastic Elastomers Achieved through One-Pot Living Ring-Opening Metathesis Copolymerization of Well-Designed Bulky Monomers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12445-12455.	8.0	39
40	Initiation of cavitation upon drawing of pre-oriented polypropylene film: In situ SAXS and WAXD studies. <i>Polymer</i> , 2017, 128, 57-64.	3.8	39
41	Confined crystallization and phase transition in semi-rigid chitosan containing long chain alkyl groups. <i>CrystEngComm</i> , 2011, 13, 561-567.	2.6	36
42	Temperature and Relative Humidity Dependency of Film Formation of Polymeric Latex Dispersions. <i>Langmuir</i> , 2011, 27, 12807-12814.	3.5	36
43	Discovery and Insights into Organized Spontaneous Emulsification via Interfacial Self-Assembly of Amphiphilic Bottlebrush Block Copolymers. <i>Macromolecules</i> , 2021, 54, 3668-3677.	4.8	36
44	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.	3.8	35
45	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.	4.8	35
46	Stereospecific Cyclopolymerization of $\hat{I}\pm, \hat{I}\%$ -Diolenes by Pyridylamidohafnium Catalyst with the Highest Activity. <i>Macromolecules</i> , 2011, 44, 1062-1065.	4.8	33
47	Elasticity Reinforcement in Propylene- <i>e</i> thylene Random Copolymer Stretched at Elevated Temperature in Large Deformation Regime. <i>Macromolecules</i> , 2016, 49, 609-615.	4.8	33
48	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.	5.4	33
49	Tensile Deformation of Oriented Poly($\hat{I}\mu$ -caprolactone) and Its Miscible Blends with Poly(vinyl methyl) Tj ETQq1 1 0.784314 rgBT /Ove	4.8	31
50	Two- <i>e</i> step cavitation in semi- <i>e</i> crystalline polymer during stretching at temperature below glass transition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2007-2014.	2.1	31
51	Critical stress and thermal activation of crystal plasticity in polyethylene: Influence of crystal microstructure and chain topology. <i>Polymer</i> , 2017, 118, 192-200.	3.8	30
52	Stretching Temperature Dependency of Fibrillation Process in Isotactic Polypropylene. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6969-6978.	2.6	30
53	Unique Stress Whitening and High-Toughness Double-Cross-Linked Cellulose Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1707-1717.	6.7	30
54	Origin of vacuum-assisted chiral self-assembly of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2020, 245, 116459.	10.2	30

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55	In-Situ Observation of Drying Process of a Latex Droplet by Synchrotron Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2008, 41, 5073-5076.	4.8	29
56	Microstructure and Deformation Behavior of Polyethylene/Montmorillonite Nanocomposites with Strong Interfacial Interaction. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14118-14127.	2.6	27
57	Polymorph selection during crystallization of random copolymers. <i>European Polymer Journal</i> , 2018, 101, 218-224.	5.4	25
58	Handwritable one-dimensional photonic crystals prepared from dendronized brush block copolymers. <i>Polymer Chemistry</i> , 2019, 10, 1519-1525.	3.9	25
59	Critical strains in tensile deformed polyamide 6 and 6/66 copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 87-96.	2.1	24
60	Film Thickness Dependence of Phase Separation and Dewetting Behaviors in PMMA/SAN Blend Films. <i>Langmuir</i> , 2010, 26, 14530-14534.	3.5	23
61	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.	2.6	23
62	Composition Effect on Interplay between Phase Separation and Dewetting in PMMA/SAN Blend Ultrathin Films. <i>Macromolecules</i> , 2011, 44, 5318-5325.	4.8	23
63	Deformation-Induced Phase Separation in Blends of Poly(μ -caprolactone) with Poly(vinyl methyl ether). <i>Macromolecules</i> , 2011, 44, 7062-7065.	4.8	23
64	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.	2.1	23
65	Molecular weight dependency of crystallization and melting behavior of \hat{I}^2 -nucleated isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1301-1308.	2.1	23
66	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.	3.8	23
67	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.	3.8	23
68	Effect of Annealing on the Deformation Mechanism of a Styrene- <i>n</i> -Butyl Acrylate Copolymer Latex Film Investigated by Synchrotron Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2008, 41, 4353-4357.	4.8	22
69	Composition effect on dewetting of ultrathin films of miscible polymer blend. <i>Polymer</i> , 2009, 50, 4745-4752.	3.8	22
70	Crystallization Temperature Dependence of Cavitation and Plastic Flow in the Tensile Deformation of Poly(μ -caprolactone). <i>Journal of Physical Chemistry B</i> , 2017, 121, 6673-6684.	2.6	22
71	Subsequent but Independent Cavitation Processes in Isotactic Polypropylene during Stretching at Small- and Large-Strain Regimes. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8927-8937.	3.7	22
72	Melt Memory Effect beyond the Equilibrium Melting Point in Commercial Isotactic Polybutene-1. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5472-5478.	3.7	22

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73	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.	3.8	22
74	Temperature dependent wide angle X-ray diffraction studies on the crystalline transition in water saturated and dry polyamide 6/66 copolymer. <i>European Polymer Journal</i> , 2004, 40, 2629-2635.	5.4	21
75	Temperature-Dependent Gelation Process in Colloidal Dispersions by Diffusing Wave Spectroscopy. <i>Langmuir</i> , 2013, 29, 14044-14049.	3.5	21
76	Molecular Weight Dependency of Surface Free Energy of Native and Stabilized Crystallites in Isotactic Polypropylene. <i>ACS Macro Letters</i> , 2014, 3, 1101-1105.	4.8	21
77	Nucleation Mechanism for Form II to I Polymorphic Transformation in Polybutene-1. <i>Macromolecules</i> , 2020, 53, 6476-6485.	4.8	21
78	One-Pot Synthesis of Supertough, Sustainable Polyester Thermoplastic Elastomers Using Block-Like, Gradient Copolymer as Soft Midblock. <i>CCS Chemistry</i> , 2022, 4, 1263-1272.	7.8	21
79	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.	3.5	20
80	Study of temperature dependence of crystallisation transitions of a symmetric PEO-PCL diblock copolymer using simultaneous SAXS and WAXS measurements with synchrotron radiation. <i>European Physical Journal E</i> , 2008, 27, 357-364.	1.6	20
81	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.	3.9	20
82	Orientation direction dependency of cavitation in pre-oriented isotactic polypropylene at large strains. <i>Soft Matter</i> , 2018, 14, 4432-4444.	2.7	20
83	GIUSAXS and AFM Studies on Surface Reconstruction of Latex Thin Films during Thermal Treatment. <i>Langmuir</i> , 2009, 25, 4230-4234.	3.5	19
84	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.	3.5	18
85	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.	2.6	18
86	â€œBrill Transitionâ€• Shown by Green Material Poly(octamethylene carbonate). <i>ACS Macro Letters</i> , 2015, 4, 317-321.	4.8	18
87	Side-chain crystallization in alkyl-substituted cellulose esters and hydroxypropyl cellulose esters. <i>Carbohydrate Polymers</i> , 2017, 162, 28-34.	10.2	18
88	Crystallization and melting of isotactic polypropylene crystallized from quiescent melt and stressâ€•induced localized melt. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 957-963.	2.1	18
89	Tensile modulus enhancement and mechanism of polyimide fibers by post-thermal treatment induced microvoid evolution. <i>European Polymer Journal</i> , 2017, 91, 232-241.	5.4	18
90	Cavitation in Poly(4-methyl-1-pentene) during Tensile Deformation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4159-4168.	2.6	18

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91	Promotion of Form I in the Polymorph Selection of Polybutene-1 during Crystallization under High Gas/Supercritical Fluid Pressure via Enhancing Chain Mobility. <i>Macromolecules</i> , 2020, 53, 10069-10077.	4.8	18
92	Facile Preparation of Macroscopic Soft Colloidal Crystals with Fiber Symmetry. <i>Langmuir</i> , 2008, 24, 1617-1620.	3.5	17
93	Gelation/crystallization mechanisms of UHMWPE solutions and structures of ultradrawn gel films. <i>Polymer Journal</i> , 2014, 46, 21-35.	2.7	17
94	Inter-fibrillar tie chains determined critical stress of large strain cavitation in tensile stretched isotactic polypropylene. <i>Polymer</i> , 2018, 138, 387-395.	3.8	17
95	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.	4.4	17
96	Structural Reorganization of a Polymeric Latex Film During Dry Sintering at Elevated Temperatures. <i>Langmuir</i> , 2011, 27, 8458-8463.	3.5	16
97	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> 1 0.784314 rgBT1/Overlo	3.4	16
98	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.	2.6	16
99	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.	2.6	15
100	Melt Temperature and Initial Polymorphs Dependencies of Polymorphs Selection during Subsequent Crystallization in Propylene-ethylene Random Copolymer. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 198-205.	3.7	15
101	Crystallinity of polyolefins with large side groups by low-field ¹ H NMR T ₂ relaxometry: Isotactic Polybutene-1 with form II and I crystals. <i>Solid State Nuclear Magnetic Resonance</i> , 2020, 105, 101637.	2.3	15
102	Suppressed Cavitation in Die-Drawn Isotactic Polypropylene. <i>Macromolecules</i> , 2020, 53, 4863-4873.	4.8	15
103	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.	2.1	14
104	Flow-induced epitaxial growth of high density polyethylene in its blends with low crystallizable polypropylene copolymer. <i>Polymer</i> , 2011, 52, 3655-3660.	3.8	14
105	Large strain cavitation induced stress whitening in propylene-butene-1 copolymer during stretching. <i>Polymer</i> , 2019, 167, 146-153.	3.8	14
106	Microstructure of bottlebrush poly(n-alkyl methacrylate)s beyond side chain packing. <i>Polymer</i> , 2020, 210, 123034.	3.8	14
107	Buckling-induced structural transition during the drying of a polymeric latex droplet on a solid surface. <i>Soft Matter</i> , 2012, 8, 12093.	2.7	13
108	Structural evolution of flow-oriented high density polyethylene upon heating: In situ SAXS and WAXD studies. <i>Polymer</i> , 2019, 180, 121698.	3.8	13

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109	In situ synchrotron small angle X-ray scattering investigation of structural formation of polyethylene upon micro-injection molding. <i>Polymer</i> , 2021, 215, 123390.	3.8	13
110	Formation and Distribution of the Mesophase in Ultrasonic Micro-Injection-Molded Isotactic Polypropylene. <i>Macromolecules</i> , 2021, 54, 5167-5177.	4.8	13
111	Crystal and phase morphology of dynamic-packing-injection-molded high-density polyethylene/ethylene vinyl acetate blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1831-1840.	2.1	12
112	Time-Resolved Synchrotron SAXS Observations on Sheared Syndiotactic Poly(propylene) Crystallization Process. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1721-1729.	2.2	12
113	Synchrotron investigation on the sheared structure evolution of syndiotactic polypropylene crystallization process. <i>Journal of Chemical Physics</i> , 2009, 130, 164909.	3.0	12
114	Cyclic olefin copolymers of propylene with asymmetric Si-containing $\hat{1}\pm, \hat{1}\%$ -diolefins: The tailored thermal and mechanical properties. <i>Polymer</i> , 2015, 61, 108-114.	3.8	12
115	Stretching temperature dependence of the critical strain in the tensile deformation of polyethylene copolymer. <i>European Polymer Journal</i> , 2017, 97, 188-197.	5.4	12
116	Molecular weight dependency of $\hat{1}^2$ phase formation in injection-molded isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48555.	2.6	12
117	Chain Entanglements and Interlamellar Links in Isotactic Polybutene-1: The Effect of Condis Crystals and Crystallization Temperature. <i>Macromolecules</i> , 2022, 55, 5636-5644.	4.8	12
118	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.	2.1	11
119	Exceptional enhancement of ductility and toughness in poly(vinylidene fluoride)/carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	11
120	Facile preparation of porous plaster board containing phase change capsules using gel template. <i>Energy and Buildings</i> , 2017, 156, 134-139.	6.7	11
121	Preparative Temperature Rising Elution Fractionation of One Poly(1-butene) Copolymer and Its Chain Microstructure Characterization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16869-16876.	3.7	11
122	Role of the Hydrophilic Latex Particle Surface in Water Diffusion into Films from Waterborne Polymer Colloids. <i>Langmuir</i> , 2019, 35, 6075-6088.	3.5	11
123	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.	3.8	11
124	Lamellar Thickness Dependence of Crystal Modification Selection in the Syndiotactic Polystyrene $\hat{1}^3$ -to- $\hat{1}\pm/\hat{1}^2$ Phase Transition Process. <i>Macromolecules</i> , 2018, 51, 497-503.	4.8	10
125	Formation and growth of cavities in tensile deformation of Poly($\hat{1}\mu$ -caprolactone) and its miscible blends. <i>Polymer</i> , 2019, 185, 121984.	3.8	10
126	Crystallization of forms $\hat{1}\hat{2}$ and form II of polybutene-1 in stretched polypropylene/polybutene-1 blends. <i>Polymer</i> , 2019, 182, 121817.	3.8	10

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127	Effect of \hat{c} -relaxation on the large strain cavitation in polyethylene. <i>Polymer</i> , 2020, 210, 123049.	3.8	10
128	Formation and stabilization of crystal nuclei in isotactic polybutene-1 aged below glass transition temperature. <i>Polymer</i> , 2020, 192, 122293.	3.8	10
129	Temperature dependency of cavitation in impact copolymer polypropylene during stretching. <i>Polymer</i> , 2021, 217, 123428.	3.8	10
130	Gaussian and Non-Gaussian Distributions of Fracture Properties in Tensile Stretching of High-Density Polyethylene. <i>Macromolecules</i> , 2021, 54, 8860-8874.	4.8	10
131	In Situ Observation of Tensile Deformation Processes of Soft Colloidal Crystalline Latex Fibers. <i>Macromolecules</i> , 2009, 42, 4795-4800.	4.8	9
132	Influence of propylene-based elastomer on stress-whitening for impact copolymer. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	9
133	Strain dependent evolution of structure and stress in propylene-based elastomer during stress relaxation. <i>Polymer</i> , 2020, 201, 122612.	3.8	9
134	High performance of polyethylene composite separators modified by carbon nanotube, lithium salt and SiO ₂ nanoparticles for lithium ion batteries. <i>Composites Communications</i> , 2021, 28, 100976.	6.3	9
135	Preparation and luminescence properties of lanthanide complexes and their silica-based composites. <i>Materials Chemistry and Physics</i> , 2001, 70, 249-253.	4.0	8
136	Confined intra-molecular clustering in orientated polyethylene after annealing. <i>Polymer</i> , 2007, 48, 2464-2469.	3.8	8
137	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 ETQq1 1 0.784334rgBT /Overlock 10	3.8	8
138	Enhanced beta to alpha recrystallization in beta isotactic polypropylene with different thermal histories. <i>Polymer Crystallization</i> , 2019, 2, e10040.	0.8	8
139	Temperature dependent network properties of amorphous PCT during tensile stretching. <i>Polymer</i> , 2020, 186, 122038.	3.8	8
140	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.	3.8	8
141	Lamellar orientation in the blends of linear low density polyethylene and isotactic polypropylene induced by dynamic packing injection molding. <i>Journal of Materials Science</i> , 2005, 40, 6409-6415.	3.7	7
142	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.	0.7	7
143	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.	3.8	7
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