

# Lingpu Meng

## List of Publications by Year in descending order

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28  
papers

656  
citations

516710

16  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chain dynamics and crystalline network structure of poly[ <i>rac</i> -3-hydroxybutyrate- <i>co</i> -4-hydroxybutyrate] as revealed by solid-state NMR. <i>Soft Matter</i> , 2021, 17, 4195-4203.	2.7	5
2	A novel carboxylated polyacrylonitrile nanofibrous membrane with high adsorption capacity for fluoride removal from water. <i>Journal of Hazardous Materials</i> , 2021, 411, 125113.	12.4	37
3	Stretch-Induced Reverse Brill Transition in Polyamide 46. <i>Macromolecules</i> , 2020, 53, 11153-11165.	4.8	21
4	Stretch-Induced Intermediate Structures and Crystallization of Poly(dimethylsiloxane): The Effect of Filler Content. <i>Macromolecules</i> , 2020, 53, 719-730.	4.8	23
5	Recent advances in post-stretching processing of polymer films with <i>in situ</i> synchrotron radiation X-ray scattering. <i>Soft Matter</i> , 2020, 16, 3599-3612.	2.7	29
6	Preparation of Polyethylene and Ethylene/Methacrylic Acid Copolymer Blend Films with Tunable Surface Properties through Manipulating Processing Parameters during Film Blowing. <i>Polymers</i> , 2019, 11, 1565.	4.5	13
7	<i>In situ</i> characterization of strain-induced crystallization of natural rubber by synchrotron radiation wide-angle X-ray diffraction: construction of a crystal network at low temperatures. <i>Soft Matter</i> , 2019, 15, 734-743.	2.7	27
8	Synergistic and Competitive Effects of Temperature and Flow on Crystallization of Polyethylene during Film Blowing. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1590-1603.	4.4	22
9	Morphology diagram of PE gel films in wide range temperature-strain space: An <i>in situ</i> SAXS and WAXS study. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 748-757.	2.1	7
10	Frustrating Strain-Induced Crystallization of Natural Rubber with Biaxial Stretch. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 47535-47544.	8.0	43
11	Structural Evolution of UHMWPE Fibers during Prestretching Far and Near Melting Temperature: An <i>In Situ</i> Synchrotron Radiation Small- and Wide-Angle X-Ray Scattering Study. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700493.	3.6	18
12	Structural Evolution of Hard-Elastic Isotactic Polypropylene Film during Uniaxial Tensile Deformation: The Effect of Temperature. <i>Macromolecules</i> , 2018, 51, 2690-2705.	4.8	82
13	Stretch-Induced Melting and Recrystallization of Polyethylene-Plasticizer Film Studied by <i>In Situ</i> X-Ray Scattering: A Thermodynamic Point of View. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1521-1528.	2.1	4
14	A real-time WAXS and SAXS study of the structural evolution of LLDPE bubble. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1404-1412.	2.1	13
15	Counterion-Induced Nanosheet-to-Nanofilament Transition of Lyotropic Bent-Core Liquid Crystals. <i>Langmuir</i> , 2018, 34, 13006-13013.	3.5	2
16	Stretch-Induced Crystallization and Phase Transitions of Poly(dimethylsiloxane) at Low Temperatures: An <i>In Situ</i> Synchrotron Radiation Wide-Angle X-ray Scattering Study. <i>Macromolecules</i> , 2018, 51, 8424-8434.	4.8	25
17	From Molecular Entanglement Network to Crystal-Cross-Linked Network and Crystal Scaffold during Film Blowing of Polyethylene: An <i>In Situ</i> Synchrotron Radiation Small- and Wide-Angle X-ray Scattering Study. <i>Macromolecules</i> , 2018, 51, 4350-4362.	4.8	43
18	Time-resolved orientation detection system with quantum cascade lasers. <i>Review of Scientific Instruments</i> , 2018, 89, 073101.	1.3	1

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19	Coupling of Multiscale Orderings during Flow-Induced Crystallization of Isotactic Polypropylene. <i>Macromolecules</i> , 2017, 50, 1991-1997.	4.8	40
20	Structural and morphological transitions in extension-induced crystallization of poly(1-butene) melt. <i>Soft Matter</i> , 2017, 13, 3639-3648.	2.7	30
21	Transition from chain- to crystal-network in extension induced crystallization of isotactic polypropylene. <i>Journal of Rheology</i> , 2017, 61, 589-599.	2.6	14
22	Deformation mechanism of iPP under uniaxial stretching over a wide temperature range: An in-situ synchrotron radiation SAXS/WAXS study. <i>Polymer</i> , 2017, 118, 12-21.	3.8	53
23	Stabilization Mechanism of Micropore in High-Density Polyethylene: A Comparison between Thermal and Mechanical Pathways. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700178.	3.6	10
24	Preparation of Highly Oriented Polyethylene Precursor Film with Fibril and Its Influence on Microporous Membrane Formation. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 974-986.	2.2	12
25	Strain and temperature dependence of deformation mechanism of lamellar stacks in HDPE and its guidance on microporous membrane preparation. <i>Polymer</i> , 2016, 105, 264-275.	3.8	38
26	A small-angle x-ray scattering system with a vertical layout. <i>Review of Scientific Instruments</i> , 2014, 85, 125110.	1.3	9
27	How flow affects crystallization in a heterogeneous polyethylene oxide melt. <i>RSC Advances</i> , 2014, 4, 9632.	3.6	7
28	A simple constrained uniaxial tensile apparatus for in situ investigation of film stretching processing. <i>Review of Scientific Instruments</i> , 2013, 84, 115104.	1.3	28