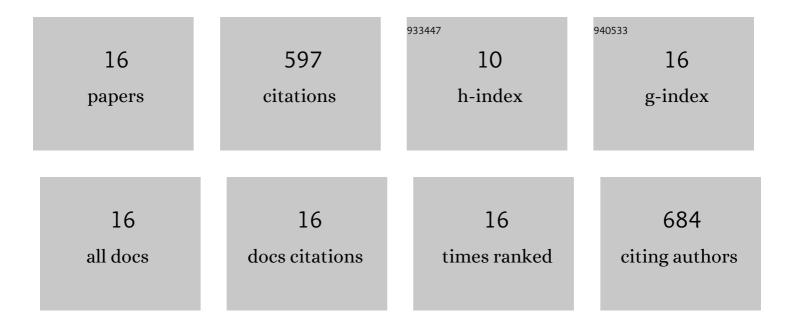
Xiaowei Chen

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Negatively Charged Nanosheets Significantly Enhance the Energyâ€&torage Capability of Polymerâ€Based Nanocomposites. Advanced Materials, 2020, 32, e1907227.	21.0	156
2	Programming colloidal bonding using DNA strand-displacement circuitry. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5617-5623.	7.1	27
3	Collapse Transitionâ€Assisted Crystallization in P3HT Solution. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 1105-1114.	2.1	3
4	Morphology diagram of PE gel films in wide range temperatureâ€strain space: An in situ SAXS and WAXS study. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 748-757.	2.1	7
5	Frustrating Strain-Induced Crystallization of Natural Rubber with Biaxial Stretch. ACS Applied Materials & Interfaces, 2019, 11, 47535-47544.	8.0	43
6	Structural Evolution of UHMWPE Fibers during Prestretching Far and Near Melting Temperature: An In Situ Synchrotron Radiation Small―and Wideâ€Angle Xâ€Ray Scattering Study. Macromolecular Materials and Engineering, 2018, 303, 1700493.	3.6	18
7	Radiopaque Highly Stiff and Tough Shape Memory Hydrogel Microcoils for Permanent Embolization of Arteries. Advanced Functional Materials, 2018, 28, 1705962.	14.9	107
8	Structural Evolution of Hard-Elastic Isotactic Polypropylene Film during Uniaxial Tensile Deformation: The Effect of Temperature. Macromolecules, 2018, 51, 2690-2705.	4.8	82
9	Stretchâ€Induced Melting and Recrystallization of Polyethyleneâ€Plasticizer Film Studied by <i>In Situ</i> Xâ€Ray Scattering: A Thermodynamic Point of View. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1521-1528.	2.1	4
10	Time-resolved orientation detection system with quantum cascade lasers. Review of Scientific Instruments, 2018, 89, 073101.	1.3	1
11	Deformation mechanism of iPP under uniaxial stretching over a wide temperature range: An in-situ synchrotron radiation SAXS/WAXS study. Polymer, 2017, 118, 12-21.	3.8	53
12	Deformation of Ultrahigh Molecular Weight Polyethylene Precursor Fiber: Crystal Slip with or without Melting. Macromolecules, 2017, 50, 6385-6395.	4.8	57
13	One pot synthesis of bimodal UHMWPE/HDPE inâ€reactor blends with Cr/V bimetallic catalysts. Journal of Polymer Science Part A, 2017, 55, 3404-3412.	2.3	8
14	Stabilization Mechanism of Micropore in Highâ€Density Polyethylene: A Comparison between Thermal and Mechanical Pathways. Macromolecular Materials and Engineering, 2017, 302, 1700178.	3.6	10
15	Preparation of Highly Oriented Polyethylene Precursor Film with Fibril and Its Influence on Microporous Membrane Formation. Macromolecular Chemistry and Physics, 2016, 217, 974-986.	2.2	12
16	A small-angle x-ray scattering system with a vertical layout. Review of Scientific Instruments, 2014, 85, 125110.	1.3	9