

# Peng-Wei Zhu

## List of Publications by Year in descending order

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20  
papers

444  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

669  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological Development of Oriented Isotactic Polypropylene in the Presence of a Nucleating Agent. <i>Macromolecules</i> , 2006, 39, 1821-1831.	4.8	69
2	An overview: synthesis of thin films/membranes of metal organic frameworks and its gas separation performances. <i>RSC Advances</i> , 2014, 4, 54322-54334.	3.6	65
3	Simple Shear Deformation of Polypropylene via the Equal Channel Angular Extrusion Process. <i>Macromolecules</i> , 2006, 39, 5796-5803.	4.8	53
4	Studies of Injection-Moulded Isotactic Poly(propylene) by Synchrotron WAXD/SAXS: Effects of Nucleating Agent on Morphological Distribution. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 301-311.	3.6	42
5	Orientational distribution of parentâ€“daughter structure of isotactic polypropylene: a study using simultaneous synchrotron WAXS and SAXS. <i>Journal of Materials Science</i> , 2008, 43, 6459-6467.	3.7	41
6	Synthesis and performance of microporous inorganic membranes for CO <sub>2</sub> separation: a review. <i>Journal of Porous Materials</i> , 2013, 20, 1457-1475.	2.6	34
7	Effects of Sodium Dodecyl Sulfate on Structures of Poly( <i>N</i> -isopropylacrylamide) at the Particle Surface. <i>Journal of Physical Chemistry B</i> , 2015, 119, 359-371.	2.6	17
8	Particle formation and aggregationâ€“collapse behavior of poly( <i>N</i> -isopropylacrylamide) and poly(ethylene glycol) block copolymers in the presence of cross-linking agent. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 567-573.	3.6	16
9	Polymorphism in Sheared Isotactic Polypropylene Containing Nucleant Particles. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 991-1003.	3.6	15
10	Effects of cosolvent partitioning on conformational transitions and chain flexibility of thermoresponsive microgels. <i>Physical Review E</i> , 2019, 99, 022501.	2.1	15
11	Continuous polycrystalline ZIF-8 membrane supported on CO <sub>2</sub> -selective mixed matrix supports for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>RSC Advances</i> , 2014, 4, 52461-52466.	3.6	14
12	Experimental observation of effects of seeds on polymer crystallization. <i>Physical Review E</i> , 2009, 80, 051801.	2.1	12
13	An enhanced hybrid membrane of ZIF-8 and zeolite T for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>CrystEngComm</i> , 2014, 16, 3072-3075.	2.6	12
14	Morphology distribution and processing history of injection moulded polypropylenes. <i>Macromolecular Symposia</i> , 2002, 185, 327-340.	0.7	9
15	Preparation of self-supported crystalline merlinoite-type zeolite W membranes through vacuum filtration and crystallization for CO <sub>2</sub> /CH <sub>4</sub> separations. <i>New Journal of Chemistry</i> , 2015, 39, 4135-4140.	2.8	9
16	Effects of different colorants on morphological development of sheared isotactic polypropylene: A study using synchrotron wide-angle x-ray scattering. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	8
17	Effects of particles on stability of flow-induced precursors. <i>Journal of Chemical Physics</i> , 2012, 136, 054903.	3.0	5
18	Synergistic Effects of Bound Micelles and Temperature on the Flexibility of Thermoresponsive Polymer Brushes. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11595-11606.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Conformational collapse of spherical poly( <i>N</i> -isopropylacrylamide) brushes under the constraint of bound micelles. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31362-31376.	2.8	2
20	Effects of cosolvent partitioning on conformational transitions and tethered chain flexibility in spherical polymer brushes. <i>Soft Matter</i> , 2021, 17, 6817-6832.	2.7	1