Muzhou Wang

List of Publications by Year
in descending order

27 papers	679 citations	687363 13 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	839 citing authors

#	Article	IF	Citations
1	Mussel Adhesive-Inspired Proteomimetic Polymer. Journal of the American Chemical Society, 2022, 144, 4383-4392.	13.7	24
2	Photocured Simultaneous and Sequential PDMS/PMMA Interpenetrating Polymer Networks. Macromolecules, 2022, 55, 5826-5839.	4.8	7
3	Visualizing the Orientation of Single Polymers Induced by Spin-Coating. Nano Letters, 2022, 22, 5891-5897.	9.1	9
4	Integration of Polymer Synthesis and Selfâ€Assembly for Controlled Periodicity and Photonic Properties. Advanced Functional Materials, 2021, 31, .	14.9	13
5	Photonic Crystals: Integration of Polymer Synthesis and Selfâ€Assembly for Controlled Periodicity and Photonic Properties (Adv. Funct. Mater. 1/2021). Advanced Functional Materials, 2021, 31, 2170007.	14.9	4
6	High-Throughput Screening Test for Adhesion in Soft Materials Using Centrifugation. ACS Central Science, 2021, 7, 1135-1143.	11.3	7
7	Impact of Network Architecture on the Microstructure of PDMS/PMMA Hybrid Elastomers. Microscopy and Microanalysis, 2021, 27, 2000-2001.	0.4	0
8	Direct visualization of bottlebrush polymer conformations in the solid state. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
9	Activation of Mechanophores in a Thermoset Matrix by Instrumented Scratch. ACS Applied Materials & Interfaces, 2021, 13, 55498-55506.	8.0	9
10	Determining order-to-disorder transitions in block copolymer thin films using a self-referencing fluorescent probe. Molecular Systems Design and Engineering, 2020, 5, 330-338.	3.4	6
11	Tough, Transparent, Photocurable Hybrid Elastomers. ACS Applied Materials & Interfaces, 2020, 12, 44125-44136.	8.0	23
12	100th Anniversary of Macromolecular Science Viewpoint: Enabling Advances in Fluorescence Microscopy Techniques. ACS Macro Letters, 2020, 9, 1342-1356.	4.8	28
13	Impact of bottlebrush chain architecture on T_gâ€confinement and <scp>fragilityâ€confinement</scp> effects enabled by thermoâ€cleavable bottlebrush polymers synthesized by radical coupling and atom transfer radical polymerization. Journal of Polymer Science, 2020, 58, 2887-2905.	3.8	7
14	Toward Artificial Tissues That Are Both Soft and Firm. ACS Central Science, 2020, 6, 339-341.	11.3	3
15	Nanoscale deformation in polymers revealed by single-molecule super-resolution localizationâ€“orientation microscopy. Materials Horizons, 2019, 6, 817-825.	12.2	21
16	Simultaneous In-Film Polymer Synthesis and Self-Assembly for Hierarchical Nanopatterns. ACS Macro Letters, 2018, 7, 566-571.	4.8	23
17	A Polymerizable Photoswitchable Fluorophore for Super-Resolution Imaging of Polymer Self-Assembly and Dynamics. ACS Macro Letters, 2018, 7, 1432-1437.	4.8	35
18	The shape of proteinâ€“polymer conjugates in dilute solution. Journal of Polymer Science Part A, 2016, 54, 292-302.	2.3	15

#	Article	IF	Citations
19	Crossover between activated reptation and arm retraction mechanisms in entangled rod-coil block copolymers. Journal of Chemical Physics, 2015, 143, 184904.	3.0	1
20	Anomalous Self-Diffusion and Sticky Rouse Dynamics in Associative Protein Hydrogels. Journal of the American Chemical Society, 2015, 137, 3946-3957.	13.7	107
21	Tube Curvature Slows the Motion of Rodâ€“Coil Block Copolymers through Activated Reptation. ACS Macro Letters, 2015, 4, 242-246.	4.8	4
22	Self-Diffusion and Constraint Release in Isotropic Entangled Rodâ€“Coil Block Copolymers. Macromolecules, 2015, 48, 3121-3129.	4.8	6
23	Crossover Experiments Applied to Network Formation Reactions: Improved Strategies for Counting Elastically Inactive Molecular Defects in PEG Gels and Hyperbranched Polymers. Journal of the American Chemical Society, 2014, 136, 9464-9470.	13.7	82
24	Diffusion Mechanisms of Entangled Rodâ€“Coil Diblock Copolymers. Macromolecules, 2013, 46, 5694-5701.	4.8	12
25	Experimental Measurement of Coilâ€“Rodâ€“Coil Block Copolymer Tracer Diffusion through Entangled Coil Homopolymers. Macromolecules, 2013, 46, 1651-1658.	4.8	13
26	Counting primary loops in polymer gels. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19119-19124.	7.1	189
27	Diffusion of Entangled Rodâ€“Coil Block Copolymers. ACS Macro Letters, 2012, 1, 676-680.	4.8	11