

Zilu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

560
citations

623734

14
h-index

642732

23
g-index

32
all docs

32
docs citations

32
times ranked

761
citing authors

#	ARTICLE	IF	CITATIONS
1	Combs and Bottlebrushes in a Melt. <i>Macromolecules</i> , 2017, 50, 3430-3437.	4.8	117
2	Comb and Bottlebrush Graft Copolymers in a Melt. <i>Macromolecules</i> , 2019, 52, 3942-3950.	4.8	41
3	“Grafting-Through”: Growing Polymer Brushes by Supplying Monomers through the Surface. <i>Macromolecules</i> , 2016, 49, 2477-2483.	4.8	35
4	Ultra-Tough Elastomers from Stereochemistry-Directed Hydrogen Bonding in Isosorbide-Based Polymers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	34
5	Hydration and Mobility of Poly(ethylene oxide) Brushes. <i>Macromolecules</i> , 2017, 50, 6722-6732.	4.8	32
6	Dynamics of vesicle formation from lipid droplets: Mechanism and controllability. <i>Journal of Chemical Physics</i> , 2009, 130, 094905.	3.0	29
7	Surface Stress and Surface Tension in Polymeric Networks. <i>ACS Macro Letters</i> , 2018, 7, 116-121.	4.8	25
8	Hydration of Spherical PEO-Grafted Gold Nanoparticles: Curvature and Grafting Density Effect. <i>Macromolecules</i> , 2018, 51, 5950-5961.	4.8	25
9	Surface Stresses and a Force Balance at a Contact Line. <i>Langmuir</i> , 2018, 34, 7497-7502.	3.5	24
10	Sugar-Based Polymers with Stereochemistry-Dependent Degradability and Mechanical Properties. <i>Journal of the American Chemical Society</i> , 2022, 144, 1243-1250.	13.7	24
11	Scattering from Melts of Combs and Bottlebrushes: Molecular Dynamics Simulations and Theoretical Study. <i>Macromolecules</i> , 2019, 52, 5555-5562.	4.8	19
12	Kinetics of multicompartiment micelle formation by self-assembly of ABC miktoarm star terpolymer in dilute solution. <i>Soft Matter</i> , 2012, 8, 11462.	2.7	18
13	Computer Simulations of Continuous 3-D Printing. <i>Macromolecules</i> , 2017, 50, 7794-7800.	4.8	17
14	Denaturation and renaturation behaviors of short DNA in a confined space. <i>Journal of Chemical Physics</i> , 2014, 141, 044911.	3.0	16
15	Strain-Adaptive Self-Assembled Networks of Linear-Bottlebrush-Linear Copolymers. <i>Macromolecules</i> , 2019, 52, 8617-8624.	4.8	15
16	Phase transition of a single star polymer: A Wang-Landau sampling study. <i>Journal of Chemical Physics</i> , 2011, 135, 094902.	3.0	14
17	Sierpiński Pyramids by Molecular Entanglement. <i>Journal of the American Chemical Society</i> , 2020, 142, 5526-5530.	13.7	13
18	Phase transition of a single protein-like copolymer chain. <i>Soft Matter</i> , 2013, 9, 3106.	2.7	12

#	ARTICLE	IF	CITATIONS
19	A coarse-grained molecular dynamics “reactive Monte Carlo approach to simulate hyperbranched polycondensation. RSC Advances, 2014, 4, 56625-56636.	3.6	11
20	Hierarchically Patterned Elastomeric and Thermoplastic Polymer Films through Nanoimprinting and Ultraviolet Light Exposure. ACS Omega, 2018, 3, 15426-15434.	3.5	10
21	From Graphene-like Sheet Stabilized Emulsions to Composite Polymeric Foams: Molecular Dynamics Simulations. Macromolecules, 2018, 51, 7360-7367.	4.8	7
22	Net motion of a charged macromolecule in a ratchet-slit. Soft Matter, 2013, 9, 11107.	2.7	5
23	Degradation of Films of Block Copolymers: Molecular Dynamics Simulations. Macromolecules, 2020, 53, 1270-1280.	4.8	5
24	Phase transition behaviours of a single dendritic polymer. Soft Matter, 2014, 10, 4142-4150.	2.7	4
25	Dynamics of Micelle Formation from Mixed Lipid Droplets. Chinese Journal of Chemical Physics, 2013, 26, 203-210.	1.3	3
26	Electrical Conductivity of Graphene-Polymer Composite Foams: A Computational Study. Macromolecules, 2019, 52, 7379-7385.	4.8	3
27	Developing Coarse-Grained Force Fields for PNIPAM Single Chain from the Atomistic Model. , 2009, , .		2
28	Replica Exchange Molecular Dynamics Simulations of Coarse-Grained Polymethylmethacrylate Chains. Advanced Materials Research, 0, 668, 199-202.	0.3	0
29	Degradation of Block Copolymer Films Confined in Elastic Media: Molecular Dynamics Simulations. Macromolecules, 2020, 53, 9460-9469.	4.8	0
30	Ultra-Tough Elastomers from Stereochemistry-Directed Hydrogen Bonding in Isosorbide-Based Polymers. Angewandte Chemie, 2022, 134, .	2.0	0