

Zuowei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

629
citations

759233

12
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

824
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning ice nucleation with counterions on polyelectrolyte brush surfaces. <i>Science Advances</i> , 2016, 2, e1600345.	10.3	134
2	Molecular Dynamics Simulations of Threadlike Cetyltrimethylammonium Chloride Micelles: Effects of Sodium Chloride and Sodium Salicylate Salts. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13697-13710.	2.6	101
3	Comparing tube models for predicting the linear rheology of branched polymer melts. <i>Journal of Rheology</i> , 2010, 54, 223-260.	2.6	85
4	Dynamics in Supramolecular Polymer Networks Formed by Associating Telechelic Chains. <i>Macromolecules</i> , 2016, 49, 7510-7524.	4.8	61
5	Segmental Dynamics in Entangled Linear Polymer Melts. <i>Macromolecules</i> , 2012, 45, 3557-3570.	4.8	54
6	Constraint Release in Entangled Binary Blends of Linear Polymers: A Molecular Dynamics Study. <i>Macromolecules</i> , 2008, 41, 4945-4960.	4.8	40
7	Nonlinear rheology and dynamics of supramolecular polymer networks formed by associative telechelic chains under shear and extensional flows. <i>Journal of Rheology</i> , 2020, 64, 581-600.	2.6	32
8	Reversible State Transition in Nanoconfined Aqueous Solutions. <i>Physical Review Letters</i> , 2014, 112, 078301.	7.8	23
9	Entanglement relaxation of poly(1-butene) and its copolymer with ethylene detected in conventional shear rheometer and quartz resonator. <i>Journal of Rheology</i> , 2019, 63, 167-177.	2.6	17
10	Delayed Mechanical Response to Chemical Kinetics in Self-Oscillating Hydrogels Driven by the Belousovâ€Žhabotinsky Reaction. <i>Macromolecules</i> , 2021, 54, 6430-6439.	4.8	16
11	Large deviations of Rouse polymer chain: First passage problem. <i>Journal of Chemical Physics</i> , 2015, 143, 204105.	3.0	14
12	Arm retraction dynamics of entangled star polymers: A forward flux sampling method study. <i>Journal of Chemical Physics</i> , 2017, 147, 044907.	3.0	14
13	Microscopic Picture of Constraint Release Effects in Entangled Star Polymer Melts. <i>Macromolecules</i> , 2016, 49, 5677-5691.	4.8	12
14	Self-Assembled Micellar Structures of Lipopeptides with Variable Number of Attached Lipid Chains Revealed by Atomistic Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9605-9615.	2.6	8
15	Entanglement dynamics at flat surfaces: Investigations using multi-chain molecular dynamics and a single-chain slip-spring model. <i>Journal of Chemical Physics</i> , 2019, 150, 094906.	3.0	6
16	Superensembles of linear viscoelastic models of polymer melts. <i>Journal of Rheology</i> , 2012, 56, 279-303.	2.6	5
17	Determining Tube Theory Parameters by Slip-Spring Model Simulations of Entangled Star Polymers in Fixed Networks. <i>Polymers</i> , 2019, 11, 496.	4.5	3
18	Molecular Simulation of Tracer Diffusion and Self-Diffusion in Entangled Polymers. <i>Macromolecules</i> , 2020, 53, 4649-4658.	4.8	3

#	ARTICLE	IF	CITATIONS
19	Asymmetric nanoparticle may go "active" at room temperature. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	1