Marat Andreev

List of Publications by Year
in descending order

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21	904	516710 16	677142 22
papers	citations	h-index	g-index

22	22	22	939
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamically consistent incorporation of entanglement spatial fluctuations in the slip-link model. Physical Review E, 2021, 103, 022501.	2.1	4
2	Measuring Flow-Induced Crystallization Kinetics of Polyethylene after Processing. Macromolecules, 2021, 54, 2101-2112.	4.8	14
3	A slip-link model for rheology of entangled polymer melts with crystallization. Journal of Rheology, 2020, 64, 213-222.	2.6	12
4	Polymer rheology predictions from first principles using the slip-link model. Journal of Rheology, 2020, 64, 1035-1043.	2.6	17
5	Spectroscopic analysis in molecular simulations with discretized Wiener-Khinchin theorem for Fourier-Laplace transformation. Physical Review E, 2020, 102, 063302.	2.1	2
6	Rheology of crystallizing LLDPE. Journal of Rheology, 2020, 64, 1379-1389.	2.6	7
7	A Detailed Examination of the Topological Constraints of Lamellae-Forming Block Copolymers. Macromolecules, 2018, 51, 2110-2124.	4.8	19
8	Influence of Ion Solvation on the Properties of Electrolyte Solutions. Journal of Physical Chemistry B, 2018, 122, 4029-4034.	2.6	88
9	Phase Behavior and Salt Partitioning in Polyelectrolyte Complex Coacervates. Macromolecules, 2018, 51, 2988-2995.	4.8	241
10	Complex Coacervation in Polyelectrolytes from a Coarse-Grained Model. Macromolecules, 2018, 51, 6717-6723.	4.8	44
11	A multi-chain polymer slip-spring model with fluctuating number of entanglements: Density fluctuations, confinement, and phase separation. Journal of Chemical Physics, 2017, 146, 014903.	3.0	34
12	Gel phase formation in dilute triblock copolyelectrolyte complexes. Nature Communications, 2017, 8, 14131.	12.8	92
13	Coarse-Grained Model of the Dynamics of Electrolyte Solutions. Journal of Physical Chemistry B, 2017, 121, 8195-8202.	2.6	49
14	Smoothed particle hydrodynamics simulation of viscoelastic flows with the slip-link model. Molecular Systems Design and Engineering, 2016, 1, 99-108.	3.4	16
15	A multichain polymer slip-spring model with fluctuating number of entanglements for linear and nonlinear rheology. Journal of Chemical Physics, 2015, 143, 243147.	3.0	42
16	Accessible and Quantitative Entangled Polymer Rheology Predictions, Suitable for Complex Flow Calculations. Macromolecules, 2015, 48, 1606-1613.	4.8	18
17	Analytic slip-link expressions for universal dynamic modulus predictions of linear monodisperse polymer melts. Rheologica Acta, 2015, 54, 169-183.	2.4	16
18	Universality and speedup in equilibrium and nonlinear rheology predictions of the fixed slip-link model. Journal of Rheology, 2014, 58, 723-736.	2.6	29

#	Article	IF	Citations
19	Entangled Polymer Dynamics in Equilibrium and Flow Modeled Through Slip Links. Annual Review of Chemical and Biomolecular Engineering, 2014, 5, 367-381.	6.8	58
20	Approximations of the discrete slip-link model and their effect on nonlinear rheology predictions. Journal of Rheology, 2013, 57, 535-557.	2.6	53
21	Dielectric Relaxation as an Independent Examination of Relaxation Mechanisms in Entangled Polymers Using the Discrete Slip-Link Model. Macromolecules, 2012, 45, 5728-5743.	4.8	32