

Brandon L Peters

List of Publications by Year in descending order

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16
papers

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933447

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369
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical Simulations of Coarse Grain Polymeric Systems: Rouse and Entangled Dynamics. <i>Macromolecules</i> , 2013, 46, 6287-6299.	4.8	59
2	Coarse-Grained Modeling of Polyethylene Melts: Effect on Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 2890-2896.	5.3	47
3	A multichain polymer slip-spring model with fluctuating number of entanglements for linear and nonlinear rheology. <i>Journal of Chemical Physics</i> , 2015, 143, 243147.	3.0	42
4	A multi-chain polymer slip-spring model with fluctuating number of entanglements: Density fluctuations, confinement, and phase separation. <i>Journal of Chemical Physics</i> , 2017, 146, 014903.	3.0	34
5	Fully Atomistic Simulations of the Response of Silica Nanoparticle Coatings to Alkane Solvents. <i>Langmuir</i> , 2012, 28, 17443-17449.	3.5	33
6	Nonequilibrium Simulations of Lamellae Forming Block Copolymers under Steady Shear: A Comparison of Dissipative Particle Dynamics and Brownian Dynamics. <i>Macromolecules</i> , 2012, 45, 8109-8116.	4.8	32
7	Dynamics in entangled polyethylene melts. <i>European Physical Journal: Special Topics</i> , 2016, 225, 1707-1722.	2.6	22
8	A Detailed Examination of the Topological Constraints of Lamellae-Forming Block Copolymers. <i>Macromolecules</i> , 2018, 51, 2110-2124.	4.8	19
9	Effect of Chain Length Dispersity on the Mobility of Entangled Polymers. <i>Physical Review Letters</i> , 2018, 121, 057802.	7.8	19
10	Toward Bottom-Up Understanding of Transport in Concentrated Battery Electrolytes. <i>ACS Central Science</i> , 2022, 8, 880-890.	11.3	14
11	Graphoepitaxial assembly of cylinder forming block copolymers in cylindrical holes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 430-441.	2.1	7
12	Viscoelastic Response of Dispersed Entangled Polymer Melts. <i>Macromolecules</i> , 2020, 53, 8400-8405.	4.8	5
13	Pushing and Pulling: A Dual pH Trigger Controlled by Varying the Alkyl Tail Length in Heme Coordinating Peptide Amphiphiles. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1317-1330.	2.6	5
14	Resolving Properties of Entangled Polymers Melts Through Atomistic Derived Coarse-Grained Models. , 2020, , 1397-1410.		4
15	Free energy calculations of the functional selectivity of 5-HT2B G protein-coupled receptor. <i>PLoS ONE</i> , 2020, 15, e0243313.	2.5	2
16	Resolving Properties of Entangled Polymers Melts Through Atomistic Derived Coarse-Grained Models. , 2018, , 1-14.		0