

Brandon L Peters

List of Publications by Year in descending order

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papers

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933447

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16
times ranked

369
citing authors

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