

Nicholas B Tito

List of Publications by Year in descending order

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papers

704
citations

840776

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713466

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23
all docs

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docs citations

23
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantitative view on multivalent nanomedicine targeting. <i>Advanced Drug Delivery Reviews</i> , 2021, 169, 1-21.	13.7	52
2	Determinants of Ligand-Functionalized DNA Nanostructure-Cell Interactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 10131-10142.	13.7	34
3	Controlling permeation in electrically deforming liquid crystal network films: A dynamical Landau theory. <i>Physical Review E</i> , 2021, 104, 054701.	2.1	1
4	Dynamical Landau-de Gennes theory for electrically-responsive liquid crystal networks. <i>Physical Review E</i> , 2020, 102, 042703.	2.1	4
5	Hierarchical Multivalent Effects Control Influenza Host Specificity. <i>ACS Central Science</i> , 2020, 6, 2311-2318.	11.3	20
6	Rheology, Rupture, Reinforcement and Reversibility: Computational Approaches for Dynamic Network Materials. <i>Advances in Polymer Science</i> , 2020, , 63-126.	0.8	3
7	First-order "hyper-selective" binding transition of multivalent particles under force. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 214002.	1.8	6
8	Multivalent "attacker and guard" strategy for targeting surfaces with low receptor density. <i>Journal of Chemical Physics</i> , 2019, 150, 184907.	3.0	7
9	Harnessing entropy to enhance toughness in reversibly crosslinked polymer networks. <i>Soft Matter</i> , 2019, 15, 2190-2203.	2.7	23
10	Glass transition of polymers in bulk, confined geometries, and near interfaces. <i>Reports on Progress in Physics</i> , 2017, 80, 036602.	20.1	315
11	Self-Consistent Field Lattice Model for Polymer Networks. <i>Macromolecules</i> , 2017, 50, 9788-9795.	4.8	7
12	Protruding organic surfaces triggered by in-plane electric fields. <i>Nature Communications</i> , 2017, 8, 1526.	12.8	53
13	Communication: Simple approach for calculating the binding free energy of a multivalent particle. <i>Journal of Chemical Physics</i> , 2016, 144, 161101.	3.0	17
14	Switch-like surface binding of competing multivalent particles. <i>European Physical Journal: Special Topics</i> , 2016, 225, 1673-1682.	2.6	8
15	Enhanced diffusion and mobile fronts in a simple lattice model of glass-forming liquids. <i>Soft Matter</i> , 2015, 11, 7792-7801.	2.7	8
16	Optimizing the Selectivity of Surface-Adsorbing Multivalent Polymers. <i>Macromolecules</i> , 2014, 47, 7496-7509.	4.8	17
17	Lattice model of mobility at interfaces: free surfaces, substrates, and bilayers. <i>Soft Matter</i> , 2013, 9, 9403.	2.7	53
18	Lattice model of dynamic heterogeneity and kinetic arrest in glass-forming liquids. <i>Soft Matter</i> , 2013, 9, 3173.	2.7	35

#	ARTICLE	IF	CITATIONS
19	Ball-of-Yarn Conformation of a Linear Gradient Copolymer in a Homopolymer Melt. <i>Macromolecules</i> , 2012, 45, 7607-7620.	4.8	5
20	Application of a coarse-grained model for DNA to homo- and heterogeneous melting equilibria. <i>Chemical Physics Letters</i> , 2010, 485, 354-359.	2.6	8
21	Self-Assembly of Lamellar Microphases in Linear Gradient Copolymer Melts. <i>Macromolecules</i> , 2010, 43, 10612-10620.	4.8	28