Tine Curk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3433250/publications.pdf

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25	821	516710 16	580821 25
papers	citations	h-index	g-index

26	26	26	1219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accelerated simulation method for charge regulation effects. Journal of Chemical Physics, 2022, 156, 044122.	3.0	16
2	Hybrid Nanocrystals of Small Molecules and Chemically Disordered Polymers. ACS Nano, 2022, 16, 8993-9003.	14.6	8
3	Charge Regulation Effects in Nanoparticle Self-Assembly. Physical Review Letters, 2021, 126, 138003.	7.8	27
4	First-order â€˜hyper-selectiveâ€™ binding transition of multivalent particles under force. Journal of Physics Condensed Matter, 2020, 32, 214002.	1.8	6
5	Computational design of probes to detect bacterial genomes by multivalent binding. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8719-8726.	7.1	14
6	Spontaneous Domain Formation in Spherically Confined Elastic Filaments. Physical Review Letters, 2019, 123, 047801.	7.8	17
7	Multivalent Recognition at Fluid Surfaces: The Interplay of Receptor Clustering and Superselectivity. Journal of the American Chemical Society, 2019, 141, 2577-2588.	13.7	41
8	Controlling Cargo Trafficking in Multicomponent Membranes. Nano Letters, 2018, 18, 5350-5356.	9.1	19
9	Bonding interactions between ligand-decorated colloidal particles. Molecular Physics, 2018, 116, 3392-3400.	1.7	7
10	Coarse-grained simulation of DNA using LAMMPS. European Physical Journal E, 2018, 41, 57.	1.6	46
11	Crystallinity of Double-Stranded RNA-Antimicrobial Peptide Complexes Modulates Toll-Like Receptor 3-Mediated Inflammation. ACS Nano, 2017, 11, 12145-12155.	14.6	30
12	Optimal multivalent targeting of membranes with many distinct receptors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7210-7215.	7.1	71
13	A review of immune amplification via ligand clustering by self-assembled liquidâ€“crystalline DNA complexes. Advances in Colloid and Interface Science, 2016, 232, 17-24.	14.7	18
14	Rational design of molecularly imprinted polymers. Soft Matter, 2016, 12, 35-44.	2.7	44
15	The Effect of Attractive Interactions and Macromolecular Crowding on Crystallins Association. PLoS ONE, 2016, 11, e0151159.	2.5	7
16	Liquid-crystalline ordering of antimicrobial peptideâ€“DNA complexes controls TLR9 activation. Nature Materials, 2015, 14, 696-700.	27.5	75
17	Designing multivalent probes for tunable superselective targeting. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5579-5584.	7.1	104
18	A new configurational bias scheme for sampling supramolecular structures. Journal of Chemical Physics, 2014, 141, 244909.	3.0	16

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19	Nanoparticle Organization in Sandwiched Polymer Brushes. Nano Letters, 2014, 14, 2617-2622.	9.1	37
20	Superselective Targeting Using Multivalent Polymers. Journal of the American Chemical Society, 2014, 136, 1722-1725.	13.7	92
21	Collective ordering of colloids in grafted polymer layers. Soft Matter, 2013, 9, 5565.	2.7	19
22	Chemotactic Sensing towards Ambient and Secreted Attractant Drives Collective Behaviour of E. coli. PLoS ONE, 2013, 8, e74878.	2.5	16
23	Layering, freezing, and re-entrant melting of hard spheres in soft confinement. Physical Review E, 2012, 85, 021502.	2.1	18
24	Coarse Graining Escherichia coli Chemotaxis: From Multi-flagella Propulsion to Logarithmic Sensing. Advances in Experimental Medicine and Biology, 2012, 736, 381-396.	1.6	3
25	On the Origin and Characteristics of Noise-Induced LÃ©vy Walks of E. Coli. PLoS ONE, 2011, 6, e18623.	2.5	45