# Tine Curk

List of Publications by Year
in descending order



| 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 | 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 |
| 2 | Superselective Targeting Using Multivalent Polymers. Journal of the American Chemical Society, 2014, 136, 1722-1725. | 13.7 | 92 |
| 3 | Liquid-crystalline ordering of antimicrobial peptideâ€“DNA complexes controls TLR9 activation. Nature Materials, 2015, 14, 696-700. | 27.5 | 75 |
| 4 | 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 |
| 5 | Coarse-grained simulation of DNA using LAMMPS. European Physical Journal E, 2018, 41, 57. | 1.6 | 46 |
| 6 | On the Origin and Characteristics of Noise-Induced LÃ©vy Walks of E. Coli. PLoS ONE, 2011, 6, e18623. | 2.5 | 45 |
| 7 | Rational design of molecularly imprinted polymers. Soft Matter, 2016, 12, 35-44. | 2.7 | 44 |
| 8 | 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 |
| 9 | Nanoparticle Organization in Sandwiched Polymer Brushes. Nano Letters, 2014, 14, 2617-2622. | 9.1 | 37 |
| 10 | Crystallinity of Double-Stranded RNA-Antimicrobial Peptide Complexes Modulates Toll-Like Receptor 3-Mediated Inflammation. ACS Nano, 2017, 11, 12145-12155. | 14.6 | 30 |
| 11 | Charge Regulation Effects in Nanoparticle Self-Assembly. Physical Review Letters, 2021, 126, 138003. | 7.8 | 27 |
| 12 | Collective ordering of colloids in grafted polymer layers. Soft Matter, 2013, 9, 5565. | 2.7 | 19 |
| 13 | Controlling Cargo Trafficking in Multicomponent Membranes. Nano Letters, 2018, 18, 5350-5356. | 9.1 | 19 |
| 14 | Layering, freezing, and re-entrant melting of hard spheres in soft confinement. Physical Review E, 2012, 85, 021502. | 2.1 | 18 |
| 15 | 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 |
| 16 | Spontaneous Domain Formation in Spherically Confined Elastic Filaments. Physical Review Letters, 2019, 123, 047801. | 7.8 | 17 |
| 17 | A new configurational bias scheme for sampling supramolecular structures. Journal of Chemical Physics, 2014, 141, 244909. | 3.0 | 16 |
| 18 | Chemotactic Sensing towards Ambient and Secreted Attractant Drives Collective Behaviour of E. coli. PLoS ONE, 2013, 8, e74878. | 2.5 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Accelerated simulation method for charge regulation effects. Journal of Chemical Physics, 2022, 156, 044122. | 3.0 | 16 |
| 20 | 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 |
| 21 | Hybrid Nanocrystals of Small Molecules and Chemically Disordered Polymers. ACS Nano, 2022, 16, 8993-9003. | 14.6 | 8 |
| 22 | Bonding interactions between ligand-decorated colloidal particles. Molecular Physics, 2018, 116, 3392-3400. | 1.7 | 7 |
| 23 | The Effect of Attractive Interactions and Macromolecular Crowding on Crystallins Association. PLoS ONE, 2016, 11, e0151159. | 2.5 | 7 |
| 24 | First-order â€˜hyper-selectiveâ€™ binding transition of multivalent particles under force. Journal of Physics Condensed Matter, 2020, 32, 214002. | 1.8 | 6 |
| 25 | 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 |