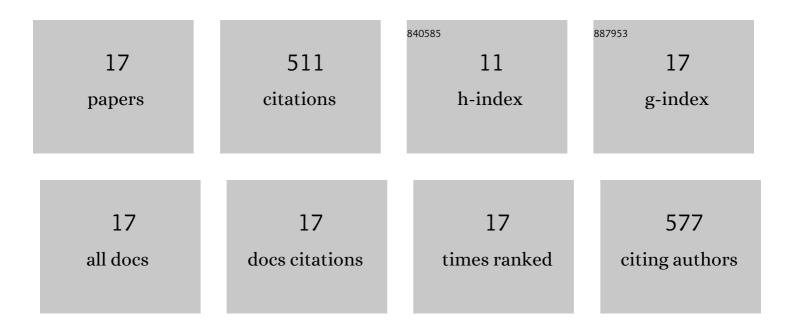
Thomas C. O'Connor

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Composite entanglement topology and extensional rheology of symmetric ring-linear polymer blends. Journal of Rheology, 2022, 66, 49-65. | 1.3 | 20 |
| 2 | Nonlinear Elongation Flows in Associating Polymer Melts: From Homogeneous to Heterogeneous Flow. Physical Review X, 2022, 12, . | 2.8 | 7 |
| 3 | Superstretchable Elastomer from Cross-linked Ring Polymers. Physical Review Letters, 2022, 128, . | 2.9 | 13 |
| 4 | Diffusion of Thin Nanorods in Polymer Melts. Macromolecules, 2021, 54, 7051-7059. | 2.2 | 20 |
| 5 | Threading–Unthreading Transition of Linear-Ring Polymer Blends in Extensional Flow. ACS Macro Letters, 2020, 9, 1452-1457. | 2.3 | 36 |
| 6 | Molecular models for creep in oriented polyethylene fibers. Journal of Chemical Physics, 2020, 153, 144904. | 1.2 | 5 |
| 7 | Topological Linking Drives Anomalous Thickening of Ring Polymers in Weak Extensional Flows. Physical Review Letters, 2020, 124, 027801. | 2.9 | 53 |
| 8 | Stress Relaxation in Highly Oriented Melts of Entangled Polymers. Macromolecules, 2019, 52, 8540-8550. | 2.2 | 37 |
| 9 | O'Connor, Alvarez, and Robbins Reply:. Physical Review Letters, 2019, 122, 059804. | 2.9 | 1 |
| 10 | The Bending Mechanics of Aged Paper. Journal of Applied Mechanics, Transactions ASME, 2018, 85, . | 1.1 | 6 |
| 11 | Micromechanical models for the stiffness and strength of UHMWPE macrofibrils. Journal of the Mechanics and Physics of Solids, 2018, 116, 70-98. | 2.3 | 17 |
| 12 | Relating Chain Conformations to Extensional Stress in Entangled Polymer Melts. Physical Review Letters, 2018, 121, 047801. | 2.9 | 55 |
| 13 | Molecular origins of anisotropic shock propagation in crystalline and amorphous polyethylene. Physical Review Materials, 2018, 2, . | 0.9 | 18 |
| 14 | Shock-wave propagation and reflection in semicrystalline polyethylene: A molecular-level investigation. Physical Review Materials, 2017, 1, . | 0.9 | 15 |
| 15 | Chain Ends and the Ultimate Strength of Polyethylene Fibers. ACS Macro Letters, 2016, 5, 263-267. | 2.3 | 37 |
| 16 | AIREBO-M: A reactive model for hydrocarbons at extreme pressures. Journal of Chemical Physics, 2015, 142, 024903. | 1.2 | 159 |
| 17 | A reversible strain-induced electrical conductivity in cup-stacked carbon nanotubes. Nanoscale, 2013, 5, 10212. | 2.8 | 12 |