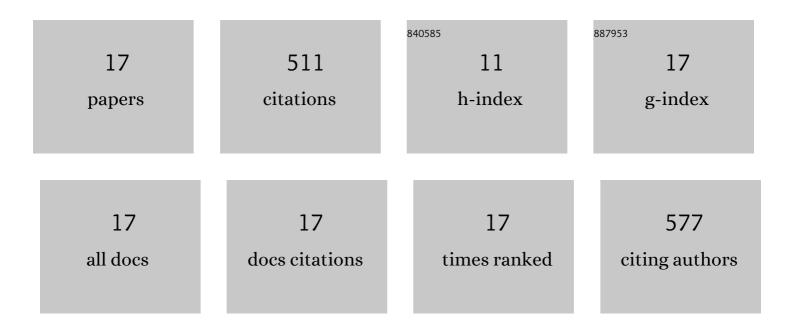
## Thomas C. O'Connor

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6889847/publications.pdf Version: 2024-02-01



#	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