

# Kai-Wen Hsiao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6981670/publications.pdf>

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322  
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#	ARTICLE	IF	CITATIONS
1	When Ends Meet: Circular DNA Stretches Differently in Elongational Flows. <i>Macromolecules</i> , 2015, 48, 5997-6001.	4.8	66
2	Direct observation of DNA dynamics in semidilute solutions in extensional flow. <i>Journal of Rheology</i> , 2017, 61, 151-167.	2.6	52
3	Ring Polymer Dynamics Are Governed by a Coupling between Architecture and Hydrodynamic Interactions. <i>Macromolecules</i> , 2016, 49, 1961-1971.	4.8	47
4	Effect of molecular architecture on ring polymer dynamics in semidilute linear polymer solutions. <i>Nature Communications</i> , 2019, 10, 1753.	12.8	45
5	Passive non-linear microrheology for determining extensional viscosity. <i>Physics of Fluids</i> , 2017, 29, .	4.0	40
6	Parameter-free prediction of DNA dynamics in planar extensional flow of semidilute solutions. <i>Journal of Rheology</i> , 2017, 61, 169-186.	2.6	29
7	Vapor-Deposited Parylene Photoresist: A Multipotent Approach toward Chemically and Topographically Defined Biointerfaces. <i>Langmuir</i> , 2012, 28, 14313-14322.	3.5	18
8	Nonequilibrium thermodynamics of dilute polymer solutions in flow. <i>Journal of Chemical Physics</i> , 2014, 141, 174903.	3.0	18
9	Characterization of a 30 $\mu$ m pixel size CLIP-based 3D printer and its enhancement through dynamic printing optimization. <i>Additive Manufacturing</i> , 2022, 55, 102800.	3.0	8