James T Inman

List of Publications by Year
in descending order

12	431	932766 10	1199166 12
papers	citations	h-index	g-index

13	13	13	596
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanophotonic trapping for precise manipulation of biomolecular arrays. Nature Nanotechnology, 2014, 9, 448-452.	15.6	138
2	Mfd Dynamically Regulates Transcription via a Release and Catch-Up Mechanism. Cell, 2018, 172, 344-357.e15.	13.5	65
3	Synergistic Coordination of Chromatin Torsional Mechanics and Topoisomerase Activity. Cell, 2019, 179, 619-631.e15.	13.5	44
4	T7 replisome directly overcomes DNA damage. Nature Communications, 2015, 6, 10260.	5.8	42
5	Torsional Stiffness of Extended and Plectonemic DNA. Physical Review Letters, 2021, 127, 028101.	2.9	27
6	Electro-optofluidics: achieving dynamic control on-chip. Optics Express, 2012, 20, 22314.	1.7	24
7	DNA Y Structure: A Versatile, Multidimensional Single Molecule Assay. Nano Letters, 2014, 14, 6475-6480.	4.5	24
8	Biocompatible and High Stiffness Nanophotonic Trap Array for Precise and Versatile Manipulation. Nano Letters, 2016, 16, 6661-6667.	4.5	22
9	Helicase promotes replication re-initiation from an RNA transcript. Nature Communications, 2018, 9, 2306.	5.8	18
10	High-Performance Image-Based Measurements of Biological Forces and Interactions in a Dual Optical Trap. ACS Nano, 2018, 12, 11963-11974.	7.3	11
11	Tunable nanophotonic array traps with enhanced force and stability. Optics Express, 2017, 25, 7907.	1.7	8
12	Resonator nanophotonic standing-wave array trap for single-molecule manipulation and measurement. Nature Communications, 2022, 13, 77.	5.8	8