Yi Deng

List of Publications by Year
in descending order

21 papers	605 citations	1040056 9 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	1089 citing authors

#	Article	IF	Citations
1	Autophosphorylation is sufficient to release Mps1 kinase from native kinetochores. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17355-17360.	7.1	15
2	Minimizing ATP depletion by oxygen scavengers for single-molecule fluorescence imaging in live cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5706-E5715.	7.1	11
3	Simultaneous Manipulation and Super-Resolution Fluorescence Imaging of Individual Kinetochores Coupled to Microtubule Tips. Methods in Molecular Biology, 2017, 1486, 437-467.	0.9	8
4	Coverslip Cleaning and Functionalization for Total Internal Reflection Fluorescence Microscopy. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot085548.	0.3	10
5	Contributions of protein kinases and Î²-arrestin to termination of protease-activated receptor 2 signaling. Journal of General Physiology, 2016, 147, 255-271.	1.9	25
6	Kinetochore Dynamic Structure at Super-Resolution Accuracy and Mechanical Stiffness Revealed in vitro by Combined Tirf and Optical Tweezers. Biophysical Journal, 2015, 108, 450a.	0.5	0
7	Dynamic sensory cues shape song structure in Drosophila. Nature, 2014, 507, 233-237.	27.8	145
8	Sister kinetochores are mechanically fused during meiosis I in yeast. Science, 2014, 346, 248-251.	12.6	68
9	Biophysical Measurements Reveal Fusion of Sister Kinetochores during Meiosis I. Biophysical Journal, 2014, 106, 167a.	0.5	0
10	Multivalent Binding and Diffusion of Isolated Kinetochore Particles on Microtubule Lattice in Vitro. Biophysical Journal, 2014, 106, 166a.	0.5	0
11	Spatial Covariance Reconstructive (SCORE) Super-Resolution Fluorescence Microscopy. PLoS ONE, 2014, 9, e94807.	2.5	21
12	Efficient Multiple Object Tracking Using Mutually Repulsive Active Membranes. PLoS ONE, 2013, 8, e65769.	2.5	23
13	Spatially-Resolved Measurements of Bacillus Subtilis Cell Wall Growth Dynamics during Elongation and Division. Biophysical Journal, 2012, 102, 150a.	0.5	0
14	Measuring Peptidoglycan Elasticity and Stress-Stiffening of Live Bacterial Cells. Biophysical Journal, 2011, 100, 514a-515a.	0.5	7
15	Direct Measurement of Cell Wall Stress Stiffening and Turgor Pressure in Live Bacterial Cells. Physical Review Letters, 2011, 107, 158101.	7.8	193
16	The Response of Single E. Coli Cells to Changes in External Osmolarity. Biophysical Journal, 2010, 98, 559a-560a.	0.5	0
17	Effect of aberration on height calibration in three-dimensional localization-based microscopy and particle tracking. Applied Optics, 2009, 48, 1886.	2.1	28
18	Direct Measurement of the Relative Contributions of Turgor Pressure, the Peptidoglycan Cell Wall and Cytoskeletal Filaments to Gram-negative Prokaryotic Cell Mechanics using AFM. Biophysical Journal, 2009, 96, 520a.	0.5	0

#	Article	IF	Citations
19	Comment on â€œDirect Measurement of the Oscillation Frequency in an Optical-Tweezers Trap by Parametric Excitationâ€• Physical Review Letters, 2007, 98, 189802; author reply 189803.	7.8	4
20	Brownian motion in a modulated optical trap. Journal of Optics, 2007, 9, S256-S263.	1.5	38
21	Temperature dependence of the capacitance of a ferroelectric material. American Journal of Physics, 2007, 75, 1046-1053.	0.7	9