

Yi Deng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5660954/publications.pdf>

Version: 2024-02-01

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 | Direct Measurement of Cell Wall Stress Stiffening and Turgor Pressure in Live Bacterial Cells. <i>Physical Review Letters</i> , 2011, 107, 158101. | 7.8 | 193 |
| 2 | Dynamic sensory cues shape song structure in <i>Drosophila</i> . <i>Nature</i> , 2014, 507, 233-237. | 27.8 | 145 |
| 3 | Sister kinetochores are mechanically fused during meiosis I in yeast. <i>Science</i> , 2014, 346, 248-251. | 12.6 | 68 |
| 4 | Brownian motion in a modulated optical trap. <i>Journal of Optics</i> , 2007, 9, S256-S263. | 1.5 | 38 |
| 5 | Effect of aberration on height calibration in three-dimensional localization-based microscopy and particle tracking. <i>Applied Optics</i> , 2009, 48, 1886. | 2.1 | 28 |
| 6 | Contributions of protein kinases and β -arrestin to termination of protease-activated receptor 2 signaling. <i>Journal of General Physiology</i> , 2016, 147, 255-271. | 1.9 | 25 |
| 7 | Efficient Multiple Object Tracking Using Mutually Repulsive Active Membranes. <i>PLoS ONE</i> , 2013, 8, e65769. | 2.5 | 23 |
| 8 | Spatial Covariance Reconstructive (SCORE) Super-Resolution Fluorescence Microscopy. <i>PLoS ONE</i> , 2014, 9, e94807. | 2.5 | 21 |
| 9 | Autophosphorylation is sufficient to release Mps1 kinase from native kinetochores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17355-17360. | 7.1 | 15 |
| 10 | Minimizing ATP depletion by oxygen scavengers for single-molecule fluorescence imaging in live cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5706-E5715. | 7.1 | 11 |
| 11 | Coverslip Cleaning and Functionalization for Total Internal Reflection Fluorescence Microscopy. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot085548. | 0.3 | 10 |
| 12 | Temperature dependence of the capacitance of a ferroelectric material. <i>American Journal of Physics</i> , 2007, 75, 1046-1053. | 0.7 | 9 |
| 13 | Simultaneous Manipulation and Super-Resolution Fluorescence Imaging of Individual Kinetochores Coupled to Microtubule Tips. <i>Methods in Molecular Biology</i> , 2017, 1486, 437-467. | 0.9 | 8 |
| 14 | Measuring Peptidoglycan Elasticity and Stress-Stiffening of Live Bacterial Cells. <i>Biophysical Journal</i> , 2011, 100, 514a-515a. | 0.5 | 7 |
| 15 | Comment on "Direct Measurement of the Oscillation Frequency in an Optical-Tweezers Trap by Parametric Excitation"; <i>Physical Review Letters</i> , 2007, 98, 189802; author reply 189803. | 7.8 | 4 |
| 16 | Direct Measurement of the Relative Contributions of Turgor Pressure, the Peptidoglycan Cell Wall and Cytoskeletal Filaments to Gram-negative Prokaryotic Cell Mechanics using AFM. <i>Biophysical Journal</i> , 2009, 96, 520a. | 0.5 | 0 |
| 17 | The Response of Single <i>E. Coli</i> Cells to Changes in External Osmolarity. <i>Biophysical Journal</i> , 2010, 98, 559a-560a. | 0.5 | 0 |
| 18 | Spatially-Resolved Measurements of <i>Bacillus Subtilis</i> Cell Wall Growth Dynamics during Elongation and Division. <i>Biophysical Journal</i> , 2012, 102, 150a. | 0.5 | 0 |

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|----|---|-----|-----------|
| 19 | Biophysical Measurements Reveal Fusion of Sister Kinetochores during Meiosis I. Biophysical Journal, 2014, 106, 167a. | 0.5 | 0 |
| 20 | Multivalent Binding and Diffusion of Isolated Kinetochores on Microtubule Lattice in Vitro. Biophysical Journal, 2014, 106, 166a. | 0.5 | 0 |
| 21 | Kinetochores 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 |