# Ulrike Endesfelder

List of Publications by Year
in descending order



| 41 | 2,121 | 331538 | 254106 |
|---|---|---|---|
| papers | citations | 21 h-index | 43 g-index |

| 51 | 51 | 51 | 2629 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A simple method to estimate the average localization precision of a single-molecule localization microscopy experiment. Histochemistry and Cell Biology, 2014, 141, 629-638. | 0.8 | 200 |
| 2 | Coordinate-based colocalization analysis of single-molecule localization microscopy data. Histochemistry and Cell Biology, 2012, 137, 1-10. | 0.8 | 171 |
| 3 | A transient pool of nuclear F-actin at mitotic exit controls chromatin organization. Nature Cell Biology, 2017, 19, 1389-1399. | 4.6 | 170 |
| 4 | Multiscale Spatial Organization of RNA Polymerase in Escherichia coli. Biophysical Journal, 2013, 105, 172-181. | 0.2 | 166 |
| 5 | Quantitative single-molecule microscopy reveals that CENP-A <sup>Cnp1</sup> deposition occurs during G2 in fission yeast. Open Biology, 2012, 2, 120078. | 1.5 | 145 |
| 6 | A peptide tag-specific nanobody enables high-quality labeling for dSTORM imaging. Nature Communications, 2018, 9, 930. | 5.8 | 139 |
| 7 | Multicolor photoswitching microscopy for subdiffraction-resolution fluorescence imaging. Photochemical and Photobiological Sciences, 2009, 8, 465-469. | 1.6 | 114 |
| 8 | From single molecules to life: microscopy at the nanoscale. Analytical and Bioanalytical Chemistry, 2016, 408, 6885-6911. | 1.9 | 94 |
| 9 | Chemically Induced Photoswitching of Fluorescent Probesâ€"A General Concept for Super-Resolution Microscopy. Molecules, 2011, 16, 3106-3118. | 1.7 | 92 |
| 10 | Correlative Light- and Electron Microscopy with chemical tags. Journal of Structural Biology, 2014, 186, 205-213. | 1.3 | 83 |
| 11 | Increasing the Brightness of Cyanine Fluorophores for Singleâ€Molecule and Superresolution Imaging. ChemPhysChem, 2014, 15, 637-641. | 1.0 | 72 |
| 12 | Measuring localization performance of super-resolution algorithms on very active samples. Optics Express, 2011, 19, 7020. | 1.7 | 70 |
| 13 | Art and artifacts in single-molecule localization microscopy: beyond attractive images. Nature Methods, 2014, 11, 235-238. | 9.0 | 62 |
| 14 | Super-resolution imaging of Escherichia coli nucleoids reveals highly structured and asymmetric segregation during fast growth. Journal of Structural Biology, 2014, 185, 243-249. | 1.3 | 56 |
| 15 | Direct Stochastic Optical Reconstruction Microscopy (dSTORM). Methods in Molecular Biology, 2015, 1251, 263-276. | 0.4 | 49 |
| 16 | A General Mechanism of Photoconversion of Greenâ€toâ€Red Fluorescent Proteins Based on Blue and Infrared Light Reduces Phototoxicity in Liveâ€Cell Singleâ€Molecule Imaging. Angewandte Chemie - International Edition, 2017, 56, 11634-11639. | 7.2 | 41 |
| 17 | Subdiffractionâ€Resolution Fluorescence Microscopy of Myosinâ€"Actin Motility. ChemPhysChem, 2010, 11, 836-840. | 1.0 | 38 |
| 18 | Spectrally red-shifted fluorescent fiducial markers for optimal drift correction in localization microscopy. Journal Physics D: Applied Physics, 2019, 52, 204002. | 1.3 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Correlative super-resolution imaging of RNA polymerase distribution and dynamics, bacterial membrane and chromosomal structure inEscherichia coli. Methods and Applications in Fluorescence, 2015, 3, 014005. | 1.1 | 30 |
| 20 | Quantitative morphological analysis of arrestin2 clustering upon G protein-coupled receptor stimulation by super-resolution microscopy. Journal of Structural Biology, 2013, 184, 329-334. | 1.3 | 27 |
| 21 | Coordinate-based co-localization-mediated analysis of arrestin clustering upon stimulation of the Câ€“C chemokine receptor 5 with RANTES/CCL5 analogues. Histochemistry and Cell Biology, 2014, 142, 69-77. | 0.8 | 24 |
| 22 | Establishing Live-Cell Single-Molecule Localization Microscopy Imaging and Single-Particle Tracking in the Archaeon Haloferax volcanii. Frontiers in Microbiology, 2020, 11, 583010. | 1.5 | 24 |
| 23 | Combining Primed Photoconversion and UV-Photoactivation for Aberration-Free, Live-Cell Compliant Multi-Color Single-Molecule Localization Microscopy Imaging. International Journal of Molecular Sciences, 2017, 18, 1524. | 1.8 | 22 |
| 24 | A hydrophilic gel matrix for single-molecule super-resolution microscopy. Optical Nanoscopy, 2013, 2, . | 4.0 | 19 |
| 25 | Visualizing the inner life of microbes: practices of multi-color single-molecule localization microscopy in microbiology. Biochemical Society Transactions, 2019, 47, 1041-1065. | 1.6 | 19 |
| 26 | Super-resolution imaging and estimation of protein copy numbers at single synapses with DNA-point accumulation for imaging in nanoscale topography. Neurophotonics, 2019, 6, 1. | 1.7 | 19 |
| 27 | From single bacterial cell imaging towards in vivo single-molecule biochemistry studies. Essays in Biochemistry, 2019, 63, 187-196. | 2.1 | 18 |
| 28 | Mutual functional dependence of cyclase-associated protein 1 (CAP1) and cofilin1 in neuronal actin dynamics and growth cone function. Progress in Neurobiology, 2021, 202, 102050. | 2.8 | 16 |
| 29 | Virtual-'Light-Sheet' Single-Molecule Localisation Microscopy Enables Quantitative Optical Sectioning for Super-Resolution Imaging. PLoS ONE, 2015, 10, e0125438. | 1.1 | 13 |
| 30 | A Single-Molecule View of Archaeal Transcription. Journal of Molecular Biology, 2019, 431, 4116-4131. | 2.0 | 13 |
| 31 | Dynamic relocalization of cytosolic type III secretion system components prevents premature protein secretion at low external pH. Nature Communications, 2021, 12, 1625. | 5.8 | 11 |
| 32 | Postmitotic expansion of cell nuclei requires nuclear actin filament bundling by Î±â€actinin 4. EMBO Reports, 2020, 21, e50758. | 2.0 | 11 |
| 33 | Frequency modulation of a bacterial quorum sensing response. Nature Communications, 2022, 13, 2772. | 5.8 | 10 |
| 34 | Why many funding schemes harm rather than support research. Nature Human Behaviour, 2022, 6, 607-608. | 6.2 | 9 |
| 35 | Raw Data to Results: A Hands-On Introduction and Overview of Computational Analysis for Single-Molecule Localization Microscopy. Frontiers in Bioinformatics, 2022, 1, . | 1.0 | 8 |
| 36 | Advances in Correlative Single-Molecule Localization Microscopy and Electron Microscopy. NanoBioImaging, 2015, 1, . | 1.0 | 7 |

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|---|---|---|---|
| 37 | Subdiffraction fluorescence imaging of biomolecular structure and distributions with quantum dots. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 1224-1229. | 1.9 | 6 |
| 38 | Live-cell single-particle tracking photoactivated localization microscopy of Cascade-mediated DNA surveillance. Methods in Enzymology, 2019, 616, 133-171. | 0.4 | 4 |
| 39 | Ein allgemeiner Mechanismus der Photokonvertierung von grÃ¼nâ€zuâ€rot fluoreszierenden Proteinen unter blauem und infrarotem Licht reduziert PhototoxitÃt in der EinzelmolekÃ¼lmikroskopie von lebenden Zellen. Angewandte Chemie, 2017, 129, 11792-11798. | 1.6 | 3 |
| 40 | High-resolution mm interferometry and the search forÂmassiveÂprotostellar disks: the case of Cep-A HW2. Astrophysics and Space Science, 2008, 313, 59-63. | 0.5 | 1 |
| 41 | Trendbericht Biochemie: HochaufgelÃ¶ste Zellbiologie. Nachrichten Aus Der Chemie, 2020, 68, 49-51. | 0.0 | 0 |