

Mike Heilemann

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

185
papers

10,879
citations

53
h-index

101
g-index

214
ext. papers

12,873
ext. citations

7.3
avg, IF

6.47
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 185 | Receptor tyrosine kinase MET ligand-interaction classified via machine learning from single-particle tracking data.. <i>Molecular Biology of the Cell</i> , 2022 , mbcE21100496 | 3.5 | |
| 184 | Cyclophilin anaCyp40 regulates photosystem assembly and phycobilisome association in a cyanobacterium.. <i>Nature Communications</i> , 2022 , 13, 1690 | 17.4 | 0 |
| 183 | Imaging the fibroblast growth factor receptor network on the plasma membrane with DNA-assisted single-molecule super-resolution microscopy. <i>Methods</i> , 2021 , 193, 38-45 | 4.6 | 4 |
| 182 | Diffusion State Transitions in Single-Particle Trajectories of MET Receptor Tyrosine Kinase Measured in Live Cells. <i>Frontiers in Computer Science</i> , 2021 , 3, | 3.4 | 2 |
| 181 | Democratising deep learning for microscopy with ZeroCostDL4Mic. <i>Nature Communications</i> , 2021 , 12, 2276 | 17.4 | 69 |
| 180 | Automated Analysis of Fluorescence Kinetics in Single-Molecule Localization Microscopy Data Reveals Protein Stoichiometry. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 5716-5721 | 3.4 | 1 |
| 179 | Transglutaminase 2 promotes tumorigenicity of colon cancer cells by inactivation of the tumor suppressor p53. <i>Oncogene</i> , 2021 , 40, 4352-4367 | 9.2 | 1 |
| 178 | Visualizing Synaptic Multi-Protein Patterns of Neuronal Tissue With DNA-Assisted Single-Molecule Localization Microscopy. <i>Frontiers in Synaptic Neuroscience</i> , 2021 , 13, 671288 | 3.5 | 1 |
| 177 | Quantitative single-molecule imaging of TNFR1 reveals zafirlukast as antagonist of TNFR1 clustering and TNF-induced NF- κ B signaling. <i>Journal of Leukocyte Biology</i> , 2021 , 109, 363-371 | 6.5 | 7 |
| 176 | Multi-Color, Bleaching-Resistant Super-Resolution Optical Fluctuation Imaging with Oligonucleotide-Based Exchangeable Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6310-6313 | 16.4 | 6 |
| 175 | Multi-Color, Bleaching-Resistant Super-Resolution Optical Fluctuation Imaging with Oligonucleotide-Based Exchangeable Fluorophores. <i>Angewandte Chemie</i> , 2021 , 133, 6380-6383 | 3.6 | 4 |
| 174 | CRISPR/Cas12a-mediated labeling of MET receptor enables quantitative single-molecule imaging of endogenous protein organization and dynamics. <i>iScience</i> , 2021 , 24, 101895 | 6.1 | 7 |
| 173 | Microbial Cationic Peptides as a Natural Defense Mechanism against Insect Antimicrobial Peptides. <i>ACS Chemical Biology</i> , 2021 , 16, 447-451 | 4.9 | 5 |
| 172 | Serine-ubiquitination regulates Golgi morphology and the secretory pathway upon Legionella infection. <i>Cell Death and Differentiation</i> , 2021 , 28, 2957-2969 | 12.7 | 3 |
| 171 | Switching at the ribosome: riboswitches need rProteins as modulators to regulate translation. <i>Nature Communications</i> , 2021 , 12, 4723 | 17.4 | 8 |
| 170 | The prevalence and specificity of local protein synthesis during neuronal synaptic plasticity. <i>Science Advances</i> , 2021 , 7, eabj0790 | 14.3 | 4 |
| 169 | KAHRP dynamically relocalizes to remodeled actin junctions and associates with knob spirals in Plasmodium falciparum-infected erythrocytes. <i>Molecular Microbiology</i> , 2021 , | 4.1 | 1 |

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|-----|---|------|----|
| 168 | Single-molecule analysis reveals agonist-specific dimer formation of μ -opioid receptors. <i>Nature Chemical Biology</i> , 2020 , 16, 946-954 | 11.7 | 45 |
| 167 | Single-molecule imaging reveals the oligomeric state of functional TNF-induced plasma membrane TNFR1 clusters in cells. <i>Science Signaling</i> , 2020 , 13, | 8.8 | 31 |
| 166 | Automated highly multiplexed super-resolution imaging of protein nano-architecture in cells and tissues. <i>Nature Communications</i> , 2020 , 11, 1552 | 17.4 | 29 |
| 165 | Single-Molecule Super-Resolution Microscopy Reveals Heteromeric Complexes of MET and EGFR upon Ligand Activation. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 13 |
| 164 | Specific, targetable interactions with the microenvironment influence imatinib-resistant chronic myeloid leukemia. <i>Leukemia</i> , 2020 , 34, 2087-2101 | 10.7 | 9 |
| 163 | Red light-triggered photoreduction on a nucleic acid template. <i>Chemical Communications</i> , 2020 , 56, 1002681-10029 | 3.5 | 11 |
| 162 | Universal quenching of common fluorescent probes by water and alcohols. <i>Chemical Science</i> , 2020 , 12, 1352-1362 | 9.4 | 31 |
| 161 | Single-molecule imaging and quantification of the immune-variant adhesin VAR2CSA on knobs of -infected erythrocytes. <i>Communications Biology</i> , 2019 , 2, 172 | 6.7 | 21 |
| 160 | Visualizing ubiquitination in mammalian cells. <i>EMBO Reports</i> , 2019 , 20, | 6.5 | 22 |
| 159 | Synthetic and genetic dimers as quantification ruler for single-molecule counting with PALM. <i>Molecular Biology of the Cell</i> , 2019 , 30, 1369-1376 | 3.5 | 11 |
| 158 | Red light-triggered nucleic acid-templated reaction based on cyclic oligonucleotide substrates. <i>Chemical Communications</i> , 2019 , 55, 10713-10716 | 5.8 | 2 |
| 157 | Molecule counts in complex oligomers with single-molecule localization microscopy. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 474002 | 3 | 6 |
| 156 | Protein-Specific, Multicolor and 3D STED Imaging in Cells with DNA-Labeled Antibodies. <i>Angewandte Chemie</i> , 2019 , 131, 19011-19014 | 3.6 | 5 |
| 155 | Protein-Specific, Multicolor and 3D STED Imaging in Cells with DNA-Labeled Antibodies. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18835-18838 | 16.4 | 24 |
| 154 | Competitive Binding Study Revealing the Influence of Fluorophore Labels on Biomolecular Interactions. <i>Nano Letters</i> , 2019 , 19, 8245-8249 | 11.5 | 13 |
| 153 | Super-resolution imaging and estimation of protein copy numbers at single synapses with DNA-point accumulation for imaging in nanoscale topography. <i>Neurophotonics</i> , 2019 , 6, 035008 | 3.9 | 10 |
| 152 | Optical super-resolution microscopy unravels the molecular composition of functional protein complexes. <i>Nanoscale</i> , 2019 , 11, 17981-17991 | 7.7 | 25 |
| 151 | Whole-Cell, 3D, and Multicolor STED Imaging with Exchangeable Fluorophores. <i>Nano Letters</i> , 2019 , 19, 500-505 | 11.5 | 64 |

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|-----|---|------|-----|
| 150 | Super-Chelators for Advanced Protein Labeling in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5620-5625 | 16.4 | 14 |
| 149 | STED nanoscopy of the centrosome linker reveals a CEP68-organized, periodic rootletin network anchored to a C-Nap1 ring at centrioles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2246-E2253 | 11.5 | 37 |
| 148 | The metabolic capacity of lipid droplet localized acyl-CoA synthetase 3 is not sufficient to support local triglyceride synthesis independent of the endoplasmic reticulum in A431 cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 614-624 | 5 | 15 |
| 147 | SPT and Imaging FCS Provide Complementary Information on the Dynamics of Plasma Membrane Molecules. <i>Biophysical Journal</i> , 2018 , 114, 2432-2443 | 2.9 | 18 |
| 146 | Super-Chelators for Advanced Protein Labeling in Living Cells. <i>Angewandte Chemie</i> , 2018 , 130, 5722-5723 | 3.6 | 4 |
| 145 | Enhanced labeling density and whole-cell 3D dSTORM imaging by repetitive labeling of target proteins. <i>Scientific Reports</i> , 2018 , 8, 5507 | 4.9 | 7 |
| 144 | The Pearling Transition Provides Evidence of Force-Driven Endosomal Tubulation during Infection. <i>MBio</i> , 2018 , 9, | 7.8 | 9 |
| 143 | Live-cell labeling of endogenous proteins with nanometer precision by transduced nanobodies. <i>Chemical Science</i> , 2018 , 9, 7835-7842 | 9.4 | 20 |
| 142 | Model-based identification of TNF-induced IKK β -mediated and I κ B α -mediated regulation of NF κ B signal transduction as a tool to quantify the impact of drug-induced liver injury compounds. <i>Npj Systems Biology and Applications</i> , 2018 , 4, 23 | 5 | 9 |
| 141 | A toolbox for multiplexed super-resolution imaging of the E. coli nucleoid and membrane using novel PAINT labels. <i>Scientific Reports</i> , 2018 , 8, 14768 | 4.9 | 40 |
| 140 | Correlative Single-Molecule FRET and DNA-PAINT Imaging. <i>Nano Letters</i> , 2018 , 18, 4626-4630 | 11.5 | 34 |
| 139 | Molecular counting of membrane receptor subunits with single-molecule localization microscopy 2017 , | | 1 |
| 138 | Molecule Counts in Localization Microscopy with Organic Fluorophores. <i>ChemPhysChem</i> , 2017 , 18, 942-948 | 3.8 | 31 |
| 137 | Linear ubiquitination of cytosolic Salmonella Typhimurium activates NF- κ B and restricts bacterial proliferation. <i>Nature Microbiology</i> , 2017 , 2, 17066 | 26.6 | 101 |
| 136 | Localization-Based Super-Resolution Microscopy 2017 , 267-289 | | 2 |
| 135 | Ligand-modulated folding of the full-length adenine riboswitch probed by NMR and single-molecule FRET spectroscopy. <i>Nucleic Acids Research</i> , 2017 , 45, 5512-5522 | 20.1 | 25 |
| 134 | Single-Molecule Localization Microscopy in Eukaryotes. <i>Chemical Reviews</i> , 2017 , 117, 7478-7509 | 68.1 | 209 |
| 133 | 3D d STORM Imaging of Fixed Brain Tissue. <i>Methods in Molecular Biology</i> , 2017 , 1538, 169-184 | 1.4 | 11 |

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|-----|---|------|-----|
| 132 | Quantitative single-molecule imaging of TLR4 reveals ligand-specific receptor dimerization. <i>Science Signaling</i> , 2017 , 10, | 8.8 | 47 |
| 131 | Peptidomimetics That Inhibit and Partially Reverse the Aggregation of A β . <i>Biochemistry</i> , 2017 , 56, 4840-4849 | 3.49 | 11 |
| 130 | Sequential Super-Resolution Imaging of Bacterial Regulatory Proteins: The Nucleoid and the Cell Membrane in Single, Fixed E. coli Cells. <i>Methods in Molecular Biology</i> , 2017 , 1624, 269-289 | 1.4 | 6 |
| 129 | Quantitative Single-Molecule Localization Microscopy (qSMLM) of Membrane Proteins Based on Kinetic Analysis of Fluorophore Blinking Cycles. <i>Methods in Molecular Biology</i> , 2017 , 1663, 115-126 | 1.4 | 5 |
| 128 | Membrane dynamics of resting and internalin B-bound MET receptor tyrosine kinase studied by single-molecule tracking. <i>FEBS Open Bio</i> , 2017 , 7, 1422-1440 | 2.7 | 10 |
| 127 | Expanding the host cell ubiquitylation machinery targeting cytosolic. <i>EMBO Reports</i> , 2017 , 18, 1572-1585 | 3.5 | 41 |
| 126 | A new photoactivatable near-infrared-emitting QCy7 fluorophore for single-molecule super-resolution microscopy. <i>Chemical Communications</i> , 2017 , 53, 9874-9877 | 5.8 | 12 |
| 125 | Full length RTN3 regulates turnover of tubular endoplasmic reticulum via selective autophagy. <i>ELife</i> , 2017 , 6, | 8.9 | 195 |
| 124 | Author response: Full length RTN3 regulates turnover of tubular endoplasmic reticulum via selective autophagy 2017 , | | 2 |
| 123 | Model-independent counting of molecules in single-molecule localization microscopy. <i>Molecular Biology of the Cell</i> , 2016 , 27, 3637-3644 | 3.5 | 51 |
| 122 | Extracting quantitative information from single-molecule super-resolution imaging data with LAMA - LocAlization Microscopy Analyzer. <i>Scientific Reports</i> , 2016 , 6, 34486 | 4.9 | 77 |
| 121 | Single-particle tracking uncovers dynamics of glutamate-induced retrograde transport of NF-B p65 in living neurons. <i>Neurophotonics</i> , 2016 , 3, 041804 | 3.9 | 8 |
| 120 | BACE-1 is expressed in the blood-brain barrier endothelium and is upregulated in a murine model of Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 1281-94 | 7.3 | 41 |
| 119 | Live-cell protein labelling with nanometre precision by cell squeezing. <i>Nature Communications</i> , 2016 , 7, 10372 | 17.4 | 77 |
| 118 | SuReSim: simulating localization microscopy experiments from ground truth models. <i>Nature Methods</i> , 2016 , 13, 319-21 | 21.6 | 38 |
| 117 | Super-resolved insights into human immunodeficiency virus biology. <i>FEBS Letters</i> , 2016 , 590, 1858-76 | 3.8 | 21 |
| 116 | Temporal accumulation analysis provides simplified artifact-free analysis of membrane-protein nanoclusters. <i>Nature Methods</i> , 2016 , 13, 963-964 | 21.6 | 22 |
| 115 | PCNA appears in two populations of slow and fast diffusion with a constant ratio throughout S-phase in replicating mammalian cells. <i>Scientific Reports</i> , 2016 , 6, 18779 | 4.9 | 8 |

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|-----|---|------|-----|
| 114 | Nanoscopy of bacterial cells immobilized by holographic optical tweezers. <i>Nature Communications</i> , 2016 , 7, 13711 | 17.4 | 39 |
| 113 | Biased signalling is an essential feature of TLR4 in glioma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 3084-3095 | 4.9 | 21 |
| 112 | Single cell super-resolution imaging of E. coli OmpR during environmental stress. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 1297-308 | 3.7 | 28 |
| 111 | Kar1 binding to Sfi1 C-terminal regions anchors the SPB bridge to the nuclear envelope. <i>Journal of Cell Biology</i> , 2015 , 209, 843-61 | 7.3 | 19 |
| 110 | A two-photon activatable amino acid linker for the induction of fluorescence. <i>Chemical Communications</i> , 2015 , 51, 15382-5 | 5.8 | 4 |
| 109 | Titelbild: SLAP: Small Labeling Pair for Single-Molecule Super-Resolution Imaging (Angew. Chem. 35/2015). <i>Angewandte Chemie</i> , 2015 , 127, 10175-10175 | 3.6 | |
| 108 | Sample Preparation and Data Acquisition for $\bar{\text{B}}$ -ALEX. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 1029-31 | 1.2 | 6 |
| 107 | Direct binding of hepatocyte growth factor and vascular endothelial growth factor to CD44v6. <i>Bioscience Reports</i> , 2015 , 35, | 4.1 | 13 |
| 106 | One, two or three? Probing the stoichiometry of membrane proteins by single-molecule localization microscopy. <i>Scientific Reports</i> , 2015 , 5, 14072 | 4.9 | 105 |
| 105 | SLAP: Small Labeling Pair for Single-Molecule Super-Resolution Imaging. <i>Angewandte Chemie</i> , 2015 , 127, 10354-10357 | 3.6 | 9 |
| 104 | A set of homo-oligomeric standards allows accurate protein counting. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12049-52 | 16.4 | 29 |
| 103 | A Set of Homo-Oligomeric Standards Allows Accurate Protein Counting. <i>Angewandte Chemie</i> , 2015 , 127, 12217-12220 | 3.6 | |
| 102 | SLAP: Small Labeling Pair for Single-Molecule Super-Resolution Imaging. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10216-9 | 16.4 | 39 |
| 101 | Virtual-Sight-sheetSingle-molecule localisation microscopy enables quantitative optical sectioning for super-resolution imaging. <i>PLoS ONE</i> , 2015 , 10, e0125438 | 3.7 | 13 |
| 100 | Assembling the $\bar{\text{B}}$ -ALEX Setup. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 1024-6 | 1.2 | 3 |
| 99 | Aligning the $\bar{\text{B}}$ -ALEX Setup. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 1027-8 | 1.2 | 3 |
| 98 | Alternating Laser Excitation for Solution-Based Single-Molecule FRET. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 979-87 | 1.2 | 8 |
| 97 | Correlative super-resolution imaging of RNA polymerase distribution and dynamics, bacterial membrane and chromosomal structure in Escherichia coli. <i>Methods and Applications in Fluorescence</i> , 2015 , 3, 014005 | 3.1 | 23 |

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|----|---|------|-----|
| 96 | Single-molecule methods to study membrane receptor oligomerization. <i>ChemPhysChem</i> , 2015 , 16, 713-732 | 3.2 | 19 |
| 95 | Direct stochastic optical reconstruction microscopy (dSTORM). <i>Methods in Molecular Biology</i> , 2015 , 1251, 263-76 | 1.4 | 41 |
| 94 | A simple method to estimate the average localization precision of a single-molecule localization microscopy experiment. <i>Histochemistry and Cell Biology</i> , 2014 , 141, 629-38 | 2.4 | 135 |
| 93 | Quantitative single-molecule localization microscopy combined with rule-based modeling reveals ligand-induced TNF-R1 reorganization toward higher-order oligomers. <i>Histochemistry and Cell Biology</i> , 2014 , 142, 91-101 | 2.4 | 29 |
| 92 | Super-resolution imaging of Escherichia coli nucleoids reveals highly structured and asymmetric segregation during fast growth. <i>Journal of Structural Biology</i> , 2014 , 185, 243-9 | 3.4 | 43 |
| 91 | Click chemistry facilitates direct labelling and super-resolution imaging of nucleic acids and proteins Electronic supplementary information (ESI) available. See DOI: 10.1039/c4ra01027b Click here for additional data file. <i>RSC Advances</i> , 2014 , 4, 30462-30466 | 3.7 | 40 |
| 90 | Art and artifacts in single-molecule localization microscopy: beyond attractive images. <i>Nature Methods</i> , 2014 , 11, 235-8 | 21.6 | 54 |
| 89 | Coordinate-based co-localization-mediated analysis of arrestin clustering upon stimulation of the C-C chemokine receptor 5 with RANTES/CCL5 analogues. <i>Histochemistry and Cell Biology</i> , 2014 , 142, 69-77 | 2.4 | 20 |
| 88 | Integrated and correlative high-throughput and super-resolution microscopy. <i>Histochemistry and Cell Biology</i> , 2014 , 141, 597-603 | 2.4 | 14 |
| 87 | Correlative light- and electron microscopy with chemical tags. <i>Journal of Structural Biology</i> , 2014 , 186, 205-13 | 3.4 | 67 |
| 86 | Receptor-ligand interactions: binding affinities studied by single-molecule and super-resolution microscopy on intact cells. <i>ChemPhysChem</i> , 2014 , 15, 671-6 | 3.2 | 26 |
| 85 | Increasing the brightness of cyanine fluorophores for single-molecule and superresolution imaging. <i>ChemPhysChem</i> , 2014 , 15, 637-41 | 3.2 | 53 |
| 84 | Single-molecule super-resolution imaging by tryptophan-quenching-induced photoswitching of phalloidin-fluorophore conjugates. <i>Microscopy Research and Technique</i> , 2014 , 77, 510-6 | 2.8 | 19 |
| 83 | Single-molecule localization microscopy-near-molecular spatial resolution in light microscopy with photoswitchable fluorophores. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14919-30 | 3.6 | 71 |
| 82 | Single-molecule coordinate-based analysis of the morphology of HIV-1 assembly sites with near-molecular spatial resolution. <i>Histochemistry and Cell Biology</i> , 2013 , 139, 173-9 | 2.4 | 51 |
| 81 | Single-molecule photobleaching reveals increased MET receptor dimerization upon ligand binding in intact cells. <i>BMC Biophysics</i> , 2013 , 6, 6 | 0 | 38 |
| 80 | Quantitative morphological analysis of arrestin2 clustering upon G protein-coupled receptor stimulation by super-resolution microscopy. <i>Journal of Structural Biology</i> , 2013 , 184, 329-34 | 3.4 | 24 |
| 79 | A hydrophilic gel matrix for single-molecule super-resolution microscopy. <i>Optical Nanoscopy</i> , 2013 , 2, 4 | | 15 |

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|----|--|------|-----|
| 78 | Multiscale spatial organization of RNA polymerase in Escherichia coli. <i>Biophysical Journal</i> , 2013 , 105, 172-81 | 2.9 | 135 |
| 77 | Shedding new light on viruses: super-resolution microscopy for studying human immunodeficiency virus. <i>Trends in Microbiology</i> , 2013 , 21, 522-33 | 12.4 | 37 |
| 76 | Photoswitchable fluorophores for single-molecule localization microscopy. <i>Methods in Molecular Biology</i> , 2013 , 950, 131-51 | 1.4 | 7 |
| 75 | Super-resolution microscopy reveals specific recruitment of HIV-1 envelope proteins to viral assembly sites dependent on the envelope C-terminal tail. <i>PLoS Pathogens</i> , 2013 , 9, e1003198 | 7.6 | 117 |
| 74 | Correlative light microscopy for high-content screening. <i>BioTechniques</i> , 2013 , 55, 243-52 | 2.5 | 18 |
| 73 | Real-time analysis and visualization for single-molecule based super-resolution microscopy. <i>PLoS ONE</i> , 2013 , 8, e62918 | 3.7 | 86 |
| 72 | Simple method for sub-diffraction resolution imaging of cellular structures on standard confocal microscopes by three-photon absorption of quantum dots. <i>PLoS ONE</i> , 2013 , 8, e64023 | 3.7 | 2 |
| 71 | Multi-colour direct STORM with red emitting carbocyanines. <i>Biology of the Cell</i> , 2012 , 104, 229-37 | 3.5 | 79 |
| 70 | Coordinate-based colocalization analysis of single-molecule localization microscopy data. <i>Histochemistry and Cell Biology</i> , 2012 , 137, 1-10 | 2.4 | 120 |
| 69 | Superresolution optical fluctuation imaging (SOFI). <i>Advances in Experimental Medicine and Biology</i> , 2012 , 733, 17-21 | 3.6 | 29 |
| 68 | TNF- α influences the lateral dynamics of TNF receptor I in living cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 1984-9 | 4.9 | 21 |
| 67 | Hybridization and reaction-based fluorogenic nucleic acid probes. <i>Chemical Communications</i> , 2012 , 48, 9664-6 | 5.8 | 17 |
| 66 | Live-cell super-resolution imaging with synthetic fluorophores. <i>Annual Review of Physical Chemistry</i> , 2012 , 63, 519-40 | 15.7 | 218 |
| 65 | Super-resolution fluorescence imaging of chromosomal DNA. <i>Journal of Structural Biology</i> , 2012 , 177, 344-8 | 3.4 | 87 |
| 64 | 2.4 Super-Resolution Microscopy 2012 , 39-58 | | 0 |
| 63 | TNF Receptor Membrane Dynamics Studied with Fluorescence Microscopy and Spectroscopy. <i>Springer Series on Fluorescence</i> , 2012 , 439-455 | 0.5 | |
| 62 | Super-resolution imaging visualizes the eightfold symmetry of gp210 proteins around the nuclear pore complex and resolves the central channel with nanometer resolution. <i>Journal of Cell Science</i> , 2012 , 125, 570-5 | 5.3 | 224 |
| 61 | Dual color photoactivation localization microscopy of cardiomyopathy-associated desmin mutants. <i>Journal of Biological Chemistry</i> , 2012 , 287, 16047-57 | 5.4 | 40 |

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|----|---|------|-----|
| 60 | Super-resolution imaging reveals the internal architecture of nano-sized syntaxin clusters. <i>Journal of Biological Chemistry</i> , 2012 , 287, 27158-67 | 5.4 | 102 |
| 59 | Quantitative single-molecule microscopy reveals that CENP-A(Cnp1) deposition occurs during G2 in fission yeast. <i>Open Biology</i> , 2012 , 2, 120078 | 7 | 114 |
| 58 | Three-dimensional, tomographic super-resolution fluorescence imaging of serially sectioned thick samples. <i>PLoS ONE</i> , 2012 , 7, e38098 | 3.7 | 61 |
| 57 | Chemically induced photoswitching of fluorescent probes--a general concept for super-resolution microscopy. <i>Molecules</i> , 2011 , 16, 3106-18 | 4.8 | 83 |
| 56 | Schwann cells can be reprogrammed to multipotency by culture. <i>Stem Cells and Development</i> , 2011 , 20, 2053-64 | 4.4 | 44 |
| 55 | Measuring localization performance of super-resolution algorithms on very active samples. <i>Optics Express</i> , 2011 , 19, 7020-33 | 3.3 | 66 |
| 54 | Direct stochastic optical reconstruction microscopy with standard fluorescent probes. <i>Nature Protocols</i> , 2011 , 6, 991-1009 | 18.8 | 690 |
| 53 | Photoinduced formation of reversible dye radicals and their impact on super-resolution imaging. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 499-506 | 4.2 | 159 |
| 52 | A SNAP-tagged derivative of HIV-1--a versatile tool to study virus-cell interactions. <i>PLoS ONE</i> , 2011 , 6, e22007 | 3.7 | 36 |
| 51 | Real-time computation of subdiffraction-resolution fluorescence images. <i>Journal of Microscopy</i> , 2010 , 237, 12-22 | 1.9 | 195 |
| 50 | Live-cell super-resolution imaging with trimethoprim conjugates. <i>Nature Methods</i> , 2010 , 7, 717-9 | 21.6 | 274 |
| 49 | Monitoring multiple distances within a single molecule using switchable FRET. <i>Nature Methods</i> , 2010 , 7, 831-6 | 21.6 | 85 |
| 48 | dSTORM: real-time subdiffraction-resolution fluorescence imaging with organic fluorophores 2010 , | | 5 |
| 47 | Surfing on a new wave of single-molecule fluorescence methods. <i>Physical Biology</i> , 2010 , 7, 031001 | 3 | 68 |
| 46 | Identification of the Product of Photoswitching of an Oxazine Fluorophore Using Fourier Transform Infrared Difference Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3156-3159 | 6.4 | 33 |
| 45 | Spiropyrans as molecular optical switches. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 213-20 | 4.2 | 61 |
| 44 | Subdiffraction fluorescence imaging of biomolecular structure and distributions with quantum dots. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010 , 1803, 1224-9 | 4.9 | 5 |
| 43 | Subdiffraction-resolution fluorescence microscopy of myosin-actin motility. <i>ChemPhysChem</i> , 2010 , 11, 836-40 | 3.2 | 38 |

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|----|---|------|-----|
| 42 | Einzelmolekül-DNA-Biosensoren zur Detektion von Proteinen und Liganden. <i>Angewandte Chemie</i> , 2010 , 122, 1338-1342 | 3.6 | 3 |
| 41 | Superresolution Optical Fluctuation Imaging with Organic Dyes. <i>Angewandte Chemie</i> , 2010 , 122, 9631-9638 | 3.3 | 15 |
| 40 | Single-molecule DNA biosensors for protein and ligand detection. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1316-20 | 16.4 | 26 |
| 39 | Janus nanomembranes: a generic platform for chemistry in two dimensions. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8493-7 | 16.4 | 80 |
| 38 | Superresolution optical fluctuation imaging with organic dyes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9441-3 | 16.4 | 81 |
| 37 | Fluorescently labeled 1 nm thin nanomembranes. <i>Journal of Biotechnology</i> , 2010 , 149, 267-71 | 3.7 | 8 |
| 36 | The effect of photoswitching kinetics and labeling densities on super-resolution fluorescence imaging. <i>Journal of Biotechnology</i> , 2010 , 149, 260-6 | 3.7 | 110 |
| 35 | Fluorescence microscopy beyond the diffraction limit. <i>Journal of Biotechnology</i> , 2010 , 149, 243-51 | 3.7 | 92 |
| 34 | Superresolution Optical fluctuations imaging (SOFI) 2010 , | | 1 |
| 33 | Licht am Ende des Tunnels. <i>Angewandte Chemie</i> , 2009 , 121, 3966-3968 | 3.6 | |
| 32 | Photoswitches: Key molecules for subdiffraction-resolution fluorescence imaging and molecular quantification. <i>Laser and Photonics Reviews</i> , 2009 , 3, 180-202 | 8.3 | 218 |
| 31 | Hochauflösende Mikroskopie mit kleinen organischen Farbstoffen. <i>Angewandte Chemie</i> , 2009 , 121, 7036-7041 | 3.6 | 38 |
| 30 | Light at the end of the tunnel. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3908-10 | 16.4 | 4 |
| 29 | Super-resolution imaging with small organic fluorophores. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6903-8 | 16.4 | 330 |
| 28 | Quantum dot triexciton imaging with three-dimensional subdiffraction resolution. <i>Nano Letters</i> , 2009 , 9, 2466-70 | 11.5 | 27 |
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