

Mike Heilemann

List of Publications by Citations

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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	Subdiffraction-resolution fluorescence imaging with conventional fluorescent probes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6172-6	16.4	1341
184	Direct stochastic optical reconstruction microscopy with standard fluorescent probes. <i>Nature Protocols</i> , 2011 , 6, 991-1009	18.8	690
183	A reducing and oxidizing system minimizes photobleaching and blinking of fluorescent dyes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5465-9	16.4	463
182	Carbocyanine dyes as efficient reversible single-molecule optical switch. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3801-6	16.4	341
181	Super-resolution imaging with small organic fluorophores. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6903-8	16.4	330
180	Reconfigurable, braced, three-dimensional DNA nanostructures. <i>Nature Nanotechnology</i> , 2008 , 3, 93-6	28.7	322
179	Live-cell super-resolution imaging with trimethoprim conjugates. <i>Nature Methods</i> , 2010 , 7, 717-9	21.6	274
178	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
177	Live-cell super-resolution imaging with synthetic fluorophores. <i>Annual Review of Physical Chemistry</i> , 2012 , 63, 519-40	15.7	218
176	Photoswitches: Key molecules for subdiffraction-resolution fluorescence imaging and molecular quantification. <i>Laser and Photonics Reviews</i> , 2009 , 3, 180-202	8.3	218
175	Single-Molecule Localization Microscopy in Eukaryotes. <i>Chemical Reviews</i> , 2017 , 117, 7478-7509	68.1	209
174	Full length RTN3 regulates turnover of tubular endoplasmic reticulum via selective autophagy. <i>ELife</i> , 2017 , 6,	8.9	195
173	Real-time computation of subdiffraction-resolution fluorescence images. <i>Journal of Microscopy</i> , 2010 , 237, 12-22	1.9	195
172	Multistep energy transfer in single molecular photonic wires. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6514-5	16.4	179
171	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
170	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
169	Multiscale spatial organization of RNA polymerase in Escherichia coli. <i>Biophysical Journal</i> , 2013 , 105, 172-81	2.9	135

168	Coordinate-based colocalization analysis of single-molecule localization microscopy data. <i>Histochemistry and Cell Biology</i> , 2012 , 137, 1-10	2.4	120
167	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
166	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
165	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
164	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
163	Multicolor photoswitching microscopy for subdiffraction-resolution fluorescence imaging. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 465-9	4.2	104
162	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
161	Linear ubiquitination of cytosolic Salmonella Typhimurium activates NF- κ B and restricts bacterial proliferation. <i>Nature Microbiology</i> , 2017 , 2, 17066	26.6	101
160	Fluoreszenzmikroskopie unterhalb der optischen Auflösungsgrenze mit konventionellen Fluoreszenzsonden. <i>Angewandte Chemie</i> , 2008 , 120, 6266-6271	3.6	94
159	Fluorescence microscopy beyond the diffraction limit. <i>Journal of Biotechnology</i> , 2010 , 149, 243-51	3.7	92
158	High-resolution colocalization of single dye molecules by fluorescence lifetime imaging microscopy. <i>Analytical Chemistry</i> , 2002 , 74, 3511-7	7.8	92
157	Photoswitching microscopy with standard fluorophores. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 93, 725-731	1.9	90
156	Super-resolution fluorescence imaging of chromosomal DNA. <i>Journal of Structural Biology</i> , 2012 , 177, 344-8	3.4	87
155	Real-time analysis and visualization for single-molecule based super-resolution microscopy. <i>PLoS ONE</i> , 2013 , 8, e62918	3.7	86
154	Subdiffraction-resolution fluorescence imaging of proteins in the mitochondrial inner membrane with photoswitchable fluorophores. <i>Journal of Structural Biology</i> , 2008 , 164, 250-4	3.4	86
153	Dissecting and reducing the heterogeneity of excited-state energy transport in DNA-based photonic wires. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16864-75	16.4	86
152	Monitoring multiple distances within a single molecule using switchable FRET. <i>Nature Methods</i> , 2010 , 7, 831-6	21.6	85
151	Fluorescence of single molecules in polymer films: sensitivity of blinking to local environment. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 6987-91	3.4	85

150	Chemically induced photoswitching of fluorescent probes--a general concept for super-resolution microscopy. <i>Molecules</i> , 2011 , 16, 3106-18	4.8	83
149	Superresolution optical fluctuation imaging with organic dyes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9441-3	16.4	81
148	Janus nanomembranes: a generic platform for chemistry in two dimensions. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8493-7	16.4	80
147	Multi-colour direct STORM with red emitting carbocyanines. <i>Biology of the Cell</i> , 2012 , 104, 229-37	3.5	79
146	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
145	Live-cell protein labelling with nanometre precision by cell squeezing. <i>Nature Communications</i> , 2016 , 7, 10372	17.4	77
144	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
143	Design of molecular photonic wires based on multistep electronic excitation transfer. <i>ChemPhysChem</i> , 2005 , 6, 217-22	3.2	69
142	Democratising deep learning for microscopy with ZeroCostDL4Mic. <i>Nature Communications</i> , 2021 , 12, 2276	17.4	69
141	Surfing on a new wave of single-molecule fluorescence methods. <i>Physical Biology</i> , 2010 , 7, 031001	3	68
140	Correlative light- and electron microscopy with chemical tags. <i>Journal of Structural Biology</i> , 2014 , 186, 205-13	3.4	67
139	Measuring localization performance of super-resolution algorithms on very active samples. <i>Optics Express</i> , 2011 , 19, 7020-33	3.3	66
138	Whole-Cell, 3D, and Multicolor STED Imaging with Exchangeable Fluorophores. <i>Nano Letters</i> , 2019 , 19, 500-505	11.5	64
137	Spiropyrans as molecular optical switches. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 213-20	4.2	61
136	Three-dimensional, tomographic super-resolution fluorescence imaging of serially sectioned thick samples. <i>PLoS ONE</i> , 2012 , 7, e38098	3.7	61
135	Art and artifacts in single-molecule localization microscopy: beyond attractive images. <i>Nature Methods</i> , 2014 , 11, 235-8	21.6	54
134	Increasing the brightness of cyanine fluorophores for single-molecule and superresolution imaging. <i>ChemPhysChem</i> , 2014 , 15, 637-41	3.2	53
133	Ein System aus Reduktions- und Oxidationsmittel verringert Photobleichen und Blinken von Fluoreszenzfarbstoffen. <i>Angewandte Chemie</i> , 2008 , 120, 5545-5550	3.6	53

132	Model-independent counting of molecules in single-molecule localization microscopy. <i>Molecular Biology of the Cell</i> , 2016 , 27, 3637-3644	3.5	51
131	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
130	Quantitative single-molecule imaging of TLR4 reveals ligand-specific receptor dimerization. <i>Science Signaling</i> , 2017 , 10,	8.8	47
129	Fluorescent proteins for single-molecule fluorescence applications. <i>Journal of Biophotonics</i> , 2008 , 1, 74-82	3.1	46
128	Single-molecule analysis reveals agonist-specific dimer formation of μ -opioid receptors. <i>Nature Chemical Biology</i> , 2020 , 16, 946-954	11.7	45
127	Schwann cells can be reprogrammed to multipotency by culture. <i>Stem Cells and Development</i> , 2011 , 20, 2053-64	4.4	44
126	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
125	DNA-based molecular wires: multiple emission pathways of individual constructs. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 26349-53	3.4	43
124	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
123	Expanding the host cell ubiquitylation machinery targeting cytosolic. <i>EMBO Reports</i> , 2017 , 18, 1572-1585	5.5	41
122	Direct stochastic optical reconstruction microscopy (dSTORM). <i>Methods in Molecular Biology</i> , 2015 , 1251, 263-76	1.4	41
121	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
120	Dual color photoactivation localization microscopy of cardiomyopathy-associated desmin mutants. <i>Journal of Biological Chemistry</i> , 2012 , 287, 16047-57	5.4	40
119	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
118	SLAP: Small Labeling Pair for Single-Molecule Super-Resolution Imaging. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10216-9	16.4	39
117	Nanoscopy of bacterial cells immobilized by holographic optical tweezers. <i>Nature Communications</i> , 2016 , 7, 13711	17.4	39
116	SuReSim: simulating localization microscopy experiments from ground truth models. <i>Nature Methods</i> , 2016 , 13, 319-21	21.6	38
115	Single-molecule photobleaching reveals increased MET receptor dimerization upon ligand binding in intact cells. <i>BMC Biophysics</i> , 2013 , 6, 6	0	38

114	Hochauflösende Mikroskopie mit kleinen organischen Farbstoffen. <i>Angewandte Chemie</i> , 2009 , 121, 7036-7041	3.0	38
113	Subdiffraction-resolution fluorescence microscopy of myosin-actin motility. <i>ChemPhysChem</i> , 2010 , 11, 836-40	3.2	38
112	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
111	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
110	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
109	Correlative Single-Molecule FRET and DNA-PAINT Imaging. <i>Nano Letters</i> , 2018 , 18, 4626-4630	11.5	34
108	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
107	Molecule Counts in Localization Microscopy with Organic Fluorophores. <i>ChemPhysChem</i> , 2017 , 18, 942-948	9.8	31
106	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
105	Universal quenching of common fluorescent probes by water and alcohols. <i>Chemical Science</i> , 2020 , 12, 1352-1362	9.4	31
104	Automated highly multiplexed super-resolution imaging of protein nano-architecture in cells and tissues. <i>Nature Communications</i> , 2020 , 11, 1552	17.4	29
103	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
102	A set of homo-oligomeric standards allows accurate protein counting. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12049-52	16.4	29
101	Superresolution optical fluctuation imaging (SOFI). <i>Advances in Experimental Medicine and Biology</i> , 2012 , 733, 17-21	3.6	29
100	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
99	Quantum dot triexciton imaging with three-dimensional subdiffraction resolution. <i>Nano Letters</i> , 2009 , 9, 2466-70	11.5	27
98	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
97	Single-molecule DNA biosensors for protein and ligand detection. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1316-20	16.4	26

96	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
95	Optical super-resolution microscopy unravels the molecular composition of functional protein complexes. <i>Nanoscale</i> , 2019 , 11, 17981-17991	7.7	25
94	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
93	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
92	ZeroCostDL4Mic: an open platform to use Deep-Learning in Microscopy		24
91	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
90	Lithium insertion mechanism in CoSb3 analysed by 121Sb Mössbauer spectrometry, X-ray absorption spectroscopy and electronic structure calculations. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1759-1767		23
89	Visualizing ubiquitination in mammalian cells. <i>EMBO Reports</i> , 2019 , 20,	6.5	22
88	High-resolution colocalization of single molecules within the resolution gap of far-field microscopy. <i>ChemPhysChem</i> , 2005 , 6, 949-55	3.2	22
87	Temporal accumulation analysis provides simplified artifact-free analysis of membrane-protein nanoclusters. <i>Nature Methods</i> , 2016 , 13, 963-964	21.6	22
86	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
85	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
84	Super-resolved insights into human immunodeficiency virus biology. <i>FEBS Letters</i> , 2016 , 590, 1858-76	3.8	21
83	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
82	Live-cell labeling of endogenous proteins with nanometer precision by transduced nanobodies. <i>Chemical Science</i> , 2018 , 9, 7835-7842	9.4	20
81	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	7.4	20
80	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
79	Single-molecule methods to study membrane receptor oligomerization. <i>ChemPhysChem</i> , 2015 , 16, 713-23	3.2	19

78	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
77	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
76	Correlative light microscopy for high-content screening. <i>BioTechniques</i> , 2013 , 55, 243-52	2.5	18
75	Imaging diffusion in living cells using time-correlated single-photon counting. <i>Analytical Chemistry</i> , 2007 , 79, 7340-5	7.8	18
74	Periodic acceptor excitation spectroscopy of single molecules. <i>European Biophysics Journal</i> , 2007 , 36, 669-74	1.9	18
73	Hybridization and reaction-based fluorogenic nucleic acid probes. <i>Chemical Communications</i> , 2012 , 48, 9664-6	5.8	17
72	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
71	A hydrophilic gel matrix for single-molecule super-resolution microscopy. <i>Optical Nanoscopy</i> , 2013 , 2, 4		15
70	Superresolution Optical Fluctuation Imaging with Organic Dyes. <i>Angewandte Chemie</i> , 2010 , 122, 9631-9638	3.8	15
69	Super-Chelators for Advanced Protein Labeling in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5620-5625	16.4	14
68	Integrated and correlative high-throughput and super-resolution microscopy. <i>Histochemistry and Cell Biology</i> , 2014 , 141, 597-603	2.4	14
67	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
66	Competitive Binding Study Revealing the Influence of Fluorophore Labels on Biomolecular Interactions. <i>Nano Letters</i> , 2019 , 19, 8245-8249	11.5	13
65	Direct binding of hepatocyte growth factor and vascular endothelial growth factor to CD44v6. <i>Bioscience Reports</i> , 2015 , 35,	4.1	13
64	Virtual-Sheet Single-molecule localisation microscopy enables quantitative optical sectioning for super-resolution imaging. <i>PLoS ONE</i> , 2015 , 10, e0125438	3.7	13
63	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
62	3D d STORM Imaging of Fixed Brain Tissue. <i>Methods in Molecular Biology</i> , 2017 , 1538, 169-184	1.4	11
61	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

60	Peptidomimetics That Inhibit and Partially Reverse the Aggregation of A β . <i>Biochemistry</i> , 2017 , 56, 4840-4849	4.9	11
59	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
58	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
57	The Pearling Transition Provides Evidence of Force-Driven Endosomal Tubulation during Infection. <i>MBio</i> , 2018 , 9,	7.8	9
56	Model-based identification of TNF β -induced IKK β -mediated and I β -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
55	SLAP: Small Labeling Pair for Single-Molecule Super-Resolution Imaging. <i>Angewandte Chemie</i> , 2015 , 127, 10354-10357	3.6	9
54	Single-molecule FRET analysis of protein-DNA complexes. <i>Methods in Molecular Biology</i> , 2009 , 543, 503-214		9
53	Specific, targetable interactions with the microenvironment influence imatinib-resistant chronic myeloid leukemia. <i>Leukemia</i> , 2020 , 34, 2087-2101	10.7	9
52	Single-particle tracking uncovers dynamics of glutamate-induced retrograde transport of NF- κ B p65 in living neurons. <i>Neurophotonics</i> , 2016 , 3, 041804	3.9	8
51	Alternating Laser Excitation for Solution-Based Single-Molecule FRET. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 979-87	1.2	8
50	Fluorescently labeled 1 nm thin nanomembranes. <i>Journal of Biotechnology</i> , 2010 , 149, 267-71	3.7	8
49	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
48	Switching at the ribosome: riboswitches need rProteins as modulators to regulate translation. <i>Nature Communications</i> , 2021 , 12, 4723	17.4	8
47	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
46	Photoswitchable fluorophores for single-molecule localization microscopy. <i>Methods in Molecular Biology</i> , 2013 , 950, 131-51	1.4	7
45	Quantitative single-molecule imaging of TNFR1 reveals zafirlukast as antagonist of TNFR1 clustering and TNF β -induced NF- κ B signaling. <i>Journal of Leukocyte Biology</i> , 2021 , 109, 363-371	6.5	7
44	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
43	Molecule counts in complex oligomers with single-molecule localization microscopy. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 474002	3	6

42	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
41	Sample Preparation and Data Acquisition for $\bar{\nu}$ -ALEX. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 1029-31	1.2	6
40	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
39	Protein-Specific, Multicolor and 3D STED Imaging in Cells with DNA-Labeled Antibodies. <i>Angewandte Chemie</i> , 2019 , 131, 19011-19014	3.6	5
38	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
37	dSTORM: real-time subdiffraction-resolution fluorescence imaging with organic fluorophores 2010 ,		5
36	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
35	Microbial Cationic Peptides as a Natural Defense Mechanism against Insect Antimicrobial Peptides. <i>ACS Chemical Biology</i> , 2021 , 16, 447-451	4.9	5
34	A two-photon activatable amino acid linker for the induction of fluorescence. <i>Chemical Communications</i> , 2015 , 51, 15382-5	5.8	4
33	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
32	Super-Chelators for Advanced Protein Labeling in Living Cells. <i>Angewandte Chemie</i> , 2018 , 130, 5722-5723	3.6	4
31	Light at the end of the tunnel. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3908-10	16.4	4
30	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
29	The prevalence and specificity of local protein synthesis during neuronal synaptic plasticity. <i>Science Advances</i> , 2021 , 7, eabj0790	14.3	4
28	Assembling the $\bar{\nu}$ -ALEX Setup. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 1024-6	1.2	3
27	Aligning the $\bar{\nu}$ -ALEX Setup. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 1027-8	1.2	3
26	Einzelmolekül-DNA-Biosensoren zur Detektion von Proteinen und Liganden. <i>Angewandte Chemie</i> , 2010 , 122, 1338-1342	3.6	3
25	The Spatial Scale of Synaptic Protein Allocation during Homeostatic Plasticity		3

24	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
23	Localization-Based Super-Resolution Microscopy 2017 , 267-289		2
22	Red light-triggered nucleic acid-templated reaction based on cyclic oligonucleotide substrates. <i>Chemical Communications</i> , 2019 , 55, 10713-10716	5.8	2
21	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
20	Toward ultra-stable fluorescent dyes for single-molecule spectroscopy 2007 , 6633, 405		2
19	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
18	Author response: Full length RTN3 regulates turnover of tubular endoplasmic reticulum via selective autophagy 2017 ,		2
17	Molecular counting of membrane receptor subunits with single-molecule localization microscopy 2017 ,		1
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