Helge Ewers

List of Publications by Citations

65	3,664	28	60
papers	citations	h-index	g-index
85	4,423	9.5	5.18
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
65	GM1 structure determines SV40-induced membrane invagination and infection. *Nature Cell Biology*, **2010**, 12, 11-8; sup pp 1-12	23.4	461
64	A simple, versatile method for GFP-based super-resolution microscopy via nanobodies. *Nature Methods*, **2012**, 9, 582-4	21.6	423
63	High-speed nanoscopic tracking of the position and orientation of a single virus. *Nature Methods*, **2009**, 6, 923-7	21.6	252
62	The 2015 super-resolution microscopy roadmap. *Journal Physics D: Applied Physics*, **2015**, 48, 443001	3	211
61	Single-particle tracking of murine polyoma virus-like particles on live cells and artificial membranes. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 15110-5	11.5	208
60	Activity-Dependent Gating of Parvalbumin Interneuron Function by the Perineuronal Net Protein Brevican. *Neuron*, **2017**, 95, 639-655.e10	13.9	146
59	Binding-activated localization microscopy of DNA structures. *Nano Letters*, **2011**, 11, 4008-11	11.5	141
58	N-glycolyl GM1 ganglioside as a receptor for simian virus 40. *Journal of Virology*, **2007**, 81, 12846-58	6.6	133
57	Resolving bundled microtubules using anti-tubulin nanobodies. *Nature Communications*, **2015**, 6, 7933	17.4	130
56	Human papillomavirus type 16 entry: retrograde cell surface transport along actin-rich protrusions. *PLoS Pathogens*, **2008**, 4, e1000148	7.6	117
55	Lipid-mediated endocytosis. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3, a004721	10.2	116
54	Expansion Stimulated Emission Depletion Microscopy (ExSTED). *ACS Nano*, **2018**, 12, 4178-4185	16.7	103
53	mMaple: a photoconvertible fluorescent protein for use in multiple imaging modalities. *PLoS ONE*, **2012**, 7, e51314	3.7	98
52	Ankyrin-dependent and -independent mechanisms orchestrate axonal compartmentalization of L1 family members neurofascin and L1/neuron-glia cell adhesion molecule. *Journal of Neuroscience*, **2007**, 27, 590-603	6.6	91
51	High-speed single-particle tracking of GM1 in model membranes reveals anomalous diffusion due to interleaflet coupling and molecular pinning. *Nano Letters*, **2014**, 14, 5390-7	11.5	78
50	Nanoscopic compartmentalization of membrane protein motion at the axon initial segment. *Journal of Cell Biology*, **2016**, 215, 37-46	7.3	71
49	A Septin-Dependent Diffusion Barrier at Dendritic Spine Necks. *PLoS ONE*, **2014**, 9, e113916	3.7	63

48	Label-free optical detection and tracking of single virions bound to their receptors in supported membrane bilayers. *Nano Letters*, **2007**, 7, 2263-6	11.5	58
47	Superresolution imaging of amyloid fibrils with binding-activated probes. *ACS Chemical Neuroscience*, **2013**, 4, 1057-61	5.7	54
46	Probing the dynamics of protein-protein interactions at neuronal contacts by optical imaging. *Chemical Reviews*, **2008**, 108, 1565-87	68.1	54
45	Even illumination in total internal reflection fluorescence microscopy using laser light. *Microscopy Research and Technique*, **2008**, 71, 45-50	2.8	50
44	Nanoscale Structural Plasticity of the Active Zone Matrix Modulates Presynaptic Function. *Cell Reports*, **2017**, 18, 2715-2728	10.6	47
43	Unblending of Transcriptional Condensates in Human Repeat Expansion Disease. *Cell*, **2020**, 181, 1062-1079.e30	36.2	38
42	Receptor concentration and diffusivity control multivalent binding of Sv40 to membrane bilayers. *PLoS Computational Biology*, **2013**, 9, e1003310	5	36
41	Single particle tracking of alpha7 nicotinic AChR in hippocampal neurons reveals regulated confinement at glutamatergic and GABAergic perisynaptic sites. *PLoS ONE*, **2010**, 5, e11507	3.7	35
40	Live-Cell Super-resolution Reveals F-Actin and Plasma Membrane Dynamics at the T Cell Synapse. *Biophysical Journal*, **2017**, 112, 1703-1713	2.9	34
39	Single-molecule microscopy of molecules tagged with GFP or RFP derivatives in mammalian cells using nanobody binders. *Methods*, **2015**, 88, 89-97	4.6	34
38	The bacterial SMC complex displays two distinct modes of interaction with the chromosome. *Cell Reports*, **2013**, 3, 1483-92	10.6	31
37	Revealing Compartmentalized Diffusion in Living Cells with Interferometric Scattering Microscopy. *Biophysical Journal*, **2018**, 114, 2945-2950	2.9	26
36	Absolute Arrangement of Subunits in Cytoskeletal Septin Filaments in Cells Measured by Fluorescence Microscopy. *Nano Letters*, **2015**, 15, 3859-64	11.5	22
35	Optimized sample preparation for single-molecule localization-based superresolution microscopy in yeast. *Nature Protocols*, **2015**, 10, 1007-21	18.8	21
34	A simple method for GFP- and RFP-based dual color single-molecule localization microscopy. *ACS Chemical Biology*, **2015**, 10, 1411-6	4.9	21
33	Inhibition of sphingolipid synthesis affects kinetics but not fidelity of L1/NgCAM transport along direct but not transcytotic axonal pathways. *Molecular and Cellular Neurosciences*, **2006**, 31, 525-38	4.8	20
32	Single event visualization of unconventional secretion of FGF2. *Journal of Cell Biology*, **2019**, 218, 683-699	7.3	20
31	Dual-color 3D superresolution microscopy by combined spectral-demixing and biplane imaging. *Biophysical Journal*, **2015**, 109, 3-6	2.9	19

30	Single-molecule localization microscopy using mCherry. *ChemPhysChem*, **2014**, 15, 3447-51	3.2	19
29	Automated suppression of sample-related artifacts in Fluorescence Correlation Spectroscopy. *Optics Express*, **2010**, 18, 11073-82	3.3	19
28	Rapid and efficient C-terminal labeling of nanobodies for DNA-PAINT. *Journal Physics D: Applied Physics*, **2018**, 51, 474005	3	19
27	Dual color single particle tracking via nanobodies. *Methods and Applications in Fluorescence*, **2015**, 3, 024001	3.1	15
26	Cells Undergo Major Changes in the Quantity of Cytoplasmic Organelles after Uptake of Gold Nanoparticles with Biologically Relevant Surface Coatings. *ACS Nano*, **2020**, 14, 2248-2264	16.7	15
25	Analysis of virus entry and cellular membrane dynamics by single particle tracking. *Methods in Enzymology*, **2012**, 506, 63-80	1.7	14
24	Tetraspanin-3 is an organizer of the multi-subunit Nogo-A signaling complex. *Journal of Cell Science*, **2015**, 128, 3583-96	5.3	12
23	The Na,K-ATPase acts upstream of phosphoinositide PI(4,5)P facilitating unconventional secretion of Fibroblast Growth Factor 2. *Communications Biology*, **2020**, 3, 141	6.7	10
22	Functional Redundancy of Septin Homologs in Dendritic Branching. *Frontiers in Cell and Developmental Biology*, **2017**, 5, 11	5.7	10
21	Directed manipulation of membrane proteins by fluorescent magnetic nanoparticles. *Nature Communications*, **2020**, 11, 4259	17.4	10
20	Live-cell imaging of circadian clock protein dynamics in CRISPR-generated knock-in cells. *Nature Communications*, **2021**, 12, 3796	17.4	10
19	Left-handed DNA-PAINT for improved super-resolution imaging in the nucleus. *Nature Biotechnology*, **2021**, 39, 551-554	44.5	10
18	Expansion microscopy passes its first test. *Nature Methods*, **2016**, 13, 481-2	21.6	9
17	Actomyosin Contractility in the Generation and Plasticity of Axons and Dendritic Spines. *Cells*, **2020**, 9,	7.9	4
16	A homozygous genome-edited Sept2-EGFP fibroblast cell line. *Cytoskeleton*, **2019**, 76, 73-82	2.4	3
15	Nano Resolution Optical Imaging Through Localization Microscopy **2012**, 81-100		3
14	Rapid and efficient C-terminal labeling of nanobodies for DNA-PAINT		3
13	Directed Manipulation of Membrane Proteins by Fluorescent Magnetic Nanoparticles. *Biophysical Journal*, **2020**, 118, 313a	2.9	2

List of Publications

12	Membrane deformation by the cholera toxin beta subunit requires more than one binding site. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 17467-17469	11.5	2
11	Cholesterol promotes both head group visibility and clustering of PI(4,5)P2 driving unconventional secretion of Fibroblast Growth Factor 2		2
10	Expansion STED microscopy (ExSTED). *Methods in Cell Biology*, **2021**, 161, 15-31	1.8	2
9	Glypican-1 drives unconventional secretion of Fibroblast Growth Factor 2.. *ELife*, **2022**, 11,	8.9	2
8	Open-source recombinant monoclonal secondary nanobodies. *Journal of Cell Biology*, **2018**, 217, 809-811	7.3	1
7	Ashbya gossypii as a model system to study septin organization by single-molecule localization microscopy. *Methods in Cell Biology*, **2016**, 136, 161-82	1.8	1
6	Septin pairs, a complex choreography. *Journal of Cell Biology*, **2011**, 193, 959-61	7.3	1
5	Glypican-1 drives unconventional secretion of Fibroblast Growth Factor 2		1
4	Nanoscopic compartmentalization of membrane protein motion at the axon initial segment		1
3	Left-handed DNA-PAINT for improved superresolution imaging in the nucleus		1
2	The synaptic scaffold protein MPP2 interacts with GABAA receptors at the periphery of the postsynaptic density of glutamatergic synapses.. *PLoS Biology*, **2022**, 20, e3001503	9.7	0
1	Precise measurement of nanoscopic septin ring 1 structures with deep learning-assisted quantitative superresolution microscopy.. *Molecular Biology of the Cell*, **2022**, mbcE22020039	3.5	