

Helge Ewers

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.

65
papers

3,664
citations

28
h-index

60
g-index

85
ext. papers

4,423
ext. citations

9.5
avg, IF

5.18
L-index

#	Paper	IF	Citations
65	The synaptic scaffold protein MPP2 interacts with GABAA receptors at the periphery of the postsynaptic density of glutamatergic synapses.. <i>PLoS Biology</i> , 2022 , 20, e3001503	9.7	0
64	Glypican-1 drives unconventional secretion of Fibroblast Growth Factor 2.. <i>ELife</i> , 2022 , 11,	8.9	2
63	Precise measurement of nanoscopic septin ring 1 structures with deep learning-assisted quantitative superresolution microscopy.. <i>Molecular Biology of the Cell</i> , 2022 , mbcE22020039	3.5	
62	Live-cell imaging of circadian clock protein dynamics in CRISPR-generated knock-in cells. <i>Nature Communications</i> , 2021 , 12, 3796	17.4	10
61	Expansion STED microscopy (ExSTED). <i>Methods in Cell Biology</i> , 2021 , 161, 15-31	1.8	2
60	Left-handed DNA-PAINT for improved super-resolution imaging in the nucleus. <i>Nature Biotechnology</i> , 2021 , 39, 551-554	44.5	10
59	Unblending of Transcriptional Condensates in Human Repeat Expansion Disease. <i>Cell</i> , 2020 , 181, 1062-1072.e308	17.2	10
58	The Na,K-ATPase acts upstream of phosphoinositide PI(4,5)P facilitating unconventional secretion of Fibroblast Growth Factor 2. <i>Communications Biology</i> , 2020 , 3, 141	6.7	10
57	Directed Manipulation of Membrane Proteins by Fluorescent Magnetic Nanoparticles. <i>Biophysical Journal</i> , 2020 , 118, 313a	2.9	2
56	Cells Undergo Major Changes in the Quantity of Cytoplasmic Organelles after Uptake of Gold Nanoparticles with Biologically Relevant Surface Coatings. <i>ACS Nano</i> , 2020 , 14, 2248-2264	16.7	15
55	Actomyosin Contractility in the Generation and Plasticity of Axons and Dendritic Spines. <i>Cells</i> , 2020 , 9,	7.9	4
54	Membrane deformation by the cholera toxin beta subunit requires more than one binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17467-17469	11.5	2
53	Directed manipulation of membrane proteins by fluorescent magnetic nanoparticles. <i>Nature Communications</i> , 2020 , 11, 4259	17.4	10
52	A homozygous genome-edited Sept2-EGFP fibroblast cell line. <i>Cytoskeleton</i> , 2019 , 76, 73-82	2.4	3
51	Single event visualization of unconventional secretion of FGF2. <i>Journal of Cell Biology</i> , 2019 , 218, 683-693	9.3	20
50	Open-source recombinant monoclonal secondary nanobodies. <i>Journal of Cell Biology</i> , 2018 , 217, 809-811	7.3	1
49	Expansion Stimulated Emission Depletion Microscopy (ExSTED). <i>ACS Nano</i> , 2018 , 12, 4178-4185	16.7	103

48	Revealing Compartmentalized Diffusion in Living Cells with Interferometric Scattering Microscopy. <i>Biophysical Journal</i> , 2018 , 114, 2945-2950	2.9	26
47	Rapid and efficient C-terminal labeling of nanobodies for DNA-PAINT. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 474005	3	19
46	Live-Cell Super-resolution Reveals F-Actin and Plasma Membrane Dynamics at the T Cell Synapse. <i>Biophysical Journal</i> , 2017 , 112, 1703-1713	2.9	34
45	Nanoscale Structural Plasticity of the Active Zone Matrix Modulates Presynaptic Function. <i>Cell Reports</i> , 2017 , 18, 2715-2728	10.6	47
44	Activity-Dependent Gating of Parvalbumin Interneuron Function by the Perineuronal Net Protein Brevican. <i>Neuron</i> , 2017 , 95, 639-655.e10	13.9	146
43	Functional Redundancy of Septin Homologs in Dendritic Branching. <i>Frontiers in Cell and Developmental Biology</i> , 2017 , 5, 11	5.7	10
42	Ashbya gossypii as a model system to study septin organization by single-molecule localization microscopy. <i>Methods in Cell Biology</i> , 2016 , 136, 161-82	1.8	1
41	Expansion microscopy passes its first test. <i>Nature Methods</i> , 2016 , 13, 481-2	21.6	9
40	Nanosopic compartmentalization of membrane protein motion at the axon initial segment. <i>Journal of Cell Biology</i> , 2016 , 215, 37-46	7.3	71
39	Dual-color 3D superresolution microscopy by combined spectral-demixing and biplane imaging. <i>Biophysical Journal</i> , 2015 , 109, 3-6	2.9	19
38	Single-molecule microscopy of molecules tagged with GFP or RFP derivatives in mammalian cells using nanobody binders. <i>Methods</i> , 2015 , 88, 89-97	4.6	34
37	Optimized sample preparation for single-molecule localization-based superresolution microscopy in yeast. <i>Nature Protocols</i> , 2015 , 10, 1007-21	18.8	21
36	Absolute Arrangement of Subunits in Cytoskeletal Septin Filaments in Cells Measured by Fluorescence Microscopy. <i>Nano Letters</i> , 2015 , 15, 3859-64	11.5	22
35	A simple method for GFP- and RFP-based dual color single-molecule localization microscopy. <i>ACS Chemical Biology</i> , 2015 , 10, 1411-6	4.9	21
34	Resolving bundled microtubules using anti-tubulin nanobodies. <i>Nature Communications</i> , 2015 , 6, 7933	17.4	130
33	Tetraspanin-3 is an organizer of the multi-subunit Nogo-A signaling complex. <i>Journal of Cell Science</i> , 2015 , 128, 3583-96	5.3	12
32	Dual color single particle tracking via nanobodies. <i>Methods and Applications in Fluorescence</i> , 2015 , 3, 024001	9.01	15
31	The 2015 super-resolution microscopy roadmap. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 443001	3	211

30	Single-molecule localization microscopy using mCherry. <i>ChemPhysChem</i> , 2014 , 15, 3447-51	3.2	19
29	High-speed single-particle tracking of GM1 in model membranes reveals anomalous diffusion due to interleaflet coupling and molecular pinning. <i>Nano Letters</i> , 2014 , 14, 5390-7	11.5	78
28	A Septin-Dependent Diffusion Barrier at Dendritic Spine Necks. <i>PLoS ONE</i> , 2014 , 9, e113916	3.7	63
27	The bacterial SMC complex displays two distinct modes of interaction with the chromosome. <i>Cell Reports</i> , 2013 , 3, 1483-92	10.6	31
26	Superresolution imaging of amyloid fibrils with binding-activated probes. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 1057-61	5.7	54
25	Receptor concentration and diffusivity control multivalent binding of Sv40 to membrane bilayers. <i>PLoS Computational Biology</i> , 2013 , 9, e1003310	5	36
24	Nano Resolution Optical Imaging Through Localization Microscopy 2012 , 81-100		3
23	Analysis of virus entry and cellular membrane dynamics by single particle tracking. <i>Methods in Enzymology</i> , 2012 , 506, 63-80	1.7	14
22	mMaple: a photoconvertible fluorescent protein for use in multiple imaging modalities. <i>PLoS ONE</i> , 2012 , 7, e51314	3.7	98
21	A simple, versatile method for GFP-based super-resolution microscopy via nanobodies. <i>Nature Methods</i> , 2012 , 9, 582-4	21.6	423
20	Binding-activated localization microscopy of DNA structures. <i>Nano Letters</i> , 2011 , 11, 4008-11	11.5	141
19	Septin pairs, a complex choreography. <i>Journal of Cell Biology</i> , 2011 , 193, 959-61	7.3	1
18	Lipid-mediated endocytosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a004721	10.2	116
17	GM1 structure determines SV40-induced membrane invagination and infection. <i>Nature Cell Biology</i> , 2010 , 12, 11-8; sup pp 1-12	23.4	461
16	Automated suppression of sample-related artifacts in Fluorescence Correlation Spectroscopy. <i>Optics Express</i> , 2010 , 18, 11073-82	3.3	19
15	Single particle tracking of alpha7 nicotinic AChR in hippocampal neurons reveals regulated confinement at glutamatergic and GABAergic perisynaptic sites. <i>PLoS ONE</i> , 2010 , 5, e11507	3.7	35
14	High-speed nanoscopic tracking of the position and orientation of a single virus. <i>Nature Methods</i> , 2009 , 6, 923-7	21.6	252
13	Probing the dynamics of protein-protein interactions at neuronal contacts by optical imaging. <i>Chemical Reviews</i> , 2008 , 108, 1565-87	68.1	54

12	Human papillomavirus type 16 entry: retrograde cell surface transport along actin-rich protrusions. <i>PLoS Pathogens</i> , 2008 , 4, e1000148	7.6	117
11	Even illumination in total internal reflection fluorescence microscopy using laser light. <i>Microscopy Research and Technique</i> , 2008 , 71, 45-50	2.8	50
10	N-glycolyl GM1 ganglioside as a receptor for simian virus 40. <i>Journal of Virology</i> , 2007 , 81, 12846-58	6.6	133
9	Label-free optical detection and tracking of single virions bound to their receptors in supported membrane bilayers. <i>Nano Letters</i> , 2007 , 7, 2263-6	11.5	58
8	Ankyrin-dependent and -independent mechanisms orchestrate axonal compartmentalization of L1 family members neurofascin and L1/neuron-glia cell adhesion molecule. <i>Journal of Neuroscience</i> , 2007 , 27, 590-603	6.6	91
7	Inhibition of sphingolipid synthesis affects kinetics but not fidelity of L1/NgCAM transport along direct but not transcytotic axonal pathways. <i>Molecular and Cellular Neurosciences</i> , 2006 , 31, 525-38	4.8	20
6	Single-particle tracking of murine polyoma virus-like particles on live cells and artificial membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15110-5	11.5	208
5	Glypican-1 drives unconventional secretion of Fibroblast Growth Factor 2		1
4	Nanosopic 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	Rapid and efficient C-terminal labeling of nanobodies for DNA-PAINT		3
1	Cholesterol promotes both head group visibility and clustering of PI(4,5)P2 driving unconventional secretion of Fibroblast Growth Factor 2		2