Ulrich Kubitscheck

List of Publications by Year
in descending order

51	2,508	279487	205818
papers	citations	23 h-index	48 g-index

66	66	66	3423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Imaging and Tracking of Single GFP Molecules in Solution. Biophysical Journal, 2000, 78, 2170-2179.	0.2	234
2	Nuclear transport of single molecules. Journal of Cell Biology, 2005, 168, 233-243.	2.3	230
3	Scanned light sheet microscopy with confocal slit detection. Optics Express, 2012, 20, 21805.	1.7	198
4	Visualization and Tracking of Single Protein Molecules in the Cell Nucleus. Biophysical Journal, 2001, 80, 2954-2967.	0.2	143
5	Light Sheet Microscopy for Single Molecule Tracking in Living Tissue. PLoS ONE, 2010, 5, e11639.	1.1	136
6	Ca2+-Daptomycin targets cell wall biosynthesis by forming a tripartite complex with undecaprenyl-coupled intermediates and membrane lipids. Nature Communications, 2020, 11, 1455.	5.8	130
7	Nuclear export of single native mRNA molecules observed by light sheet fluorescence microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9426-9431.	3.3	111
8	Fusogenic Liposomes as Nanocarriers for the Delivery of Intracellular Proteins. Langmuir, 2017, 33, 1051-1059.	1.6	111
9	Cell-Penetrating HIV1 TAT Peptides Can Generate Pores in Model Membranes. Biophysical Journal, 2010, 99, 153-162.	0.2	104
10	Autonomy and robustness of translocation through the nuclear pore complex: a single-molecule study. Journal of Cell Biology, 2008, 183, 77-86.	2.3	86
11	Probing Intranuclear Environments at the Single-Molecule Level. Biophysical Journal, 2008, 94, 2847-2858.	0.2	85
12	High-contrast single-particle tracking by selective focal plane illumination microscopy. Optics Express, 2008, 16, 7142.	1.7	81
13	Discontinuous movement of mRNP particles in nucleoplasmic regions devoid of chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20291-20296.	3.3	74
14	Activated STAT1 Transcription Factors Conduct Distinct Saltatory Movements in the Cell Nucleus. Biophysical Journal, 2011, 101, 2592-2600.	0.2	65
15	The Lantibiotic Nisin Induces Lipid II Aggregation, Causing Membrane Instability and Vesicle Budding. Biophysical Journal, 2015, 108, 1114-1124.	0.2	64
16	Whole-brain 3D mapping of human neural transplant innervation. Nature Communications, 2017, 8, 14162.	5.8	46
17	Reelin and CXCL12 regulate distinct migratory behaviors during the development of the dopaminergic system. Development (Cambridge), 2014, 141, 661-673.	1.2	44
18	Dynamic three-dimensional tracking of single fluorescent nanoparticles deep inside living tissue. Optics Express, 2012, 20, 19697.	1.7	37

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19	Cell-Penetrating HIV1 TAT Peptides Float on Model Lipid Bilayers. Biochemistry, 2009, 48, 4728-4737.	1.2	35
20	Intranuclear Binding Kinetics and Mobility of Single Native U1 snRNP Particles in Living Cells. Molecular Biology of the Cell, 2006, 17, 5017-5027.	0.9	34
21	Balbiani Ring mRNPs Diffuse through and Bind to Clusters of Large Intranuclear Molecular Structures. Biophysical Journal, 2010, 99, 2676-2685.	0.2	30
22	Light-sheet fluorescence expansion microscopy: fast mapping of neural circuits at super resolution. Neurophotonics, 2019, 6, 1.	1.7	30
23	Direct Observation of Single Protein Molecules in Aqueous Solution. ChemPhysChem, 2006, 7, 812-815.	1.0	29
24	Direct observation of mobility state transitions in RNA trajectories by sensitive single molecule feedback tracking. Nucleic Acids Research, 2015, 43, e14-e14.	6.5	24
25	Single-molecule tracking in eukaryotic cell nuclei. Analytical and Bioanalytical Chemistry, 2006, 387, 41-44.	1.9	23
26	Single ovalbumin molecules exploring nucleoplasm and nucleoli of living cell nuclei. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 396-404.	1.9	23
27	Kinetics of transport through the nuclear pore complex. Seminars in Cell and Developmental Biology, 2017, 68, 18-26.	2.3	22
28	Light-inducible molecular beacons for spatio-temporally highly defined activation. Chemical Communications, 2013, 49, 5375.	2.2	21
29	Aggregates of nisin with various bactoprenol-containing cell wall precursors differ in size and membrane permeation capacity. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2628-2636.	1.4	21
30	A cylindrical zoom lens unit for adjustable optical sectioning in light sheet microscopy. Biomedical Optics Express, 2011, 2, 185.	1.5	17
31	Crumbs2 Is an Essential Slit Diaphragm Protein of the Renal Filtration Barrier. Journal of the American Society of Nephrology: JASN, 2021, 32, 1053-1070.	3.0	17
32	Single Molecule Tracking for Studying Nucleocytoplasmic Transport and Intranuclear Dynamics. Methods in Molecular Biology, 2008, 464, 343-361.	0.4	17
33	The C-terminal domain controls the mobility of Crumbs 3 isoforms. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1208-1217.	1.9	15
34	CD44 and hyaluronan promote invasive growth of B35 neuroblastoma cells into the brain. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 261-274.	1.9	14
35	Structural dynamics of the cell wall precursor lipid II in the presence and absence of the lantibiotic nisin. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 3061-3068.	1.4	14
36	NKCS, a Mutant of the NK-2 Peptide, Causes Severe Distortions and Perforations in Bacterial, But Not Human Model Lipid Membranes. Molecules, 2015, 20, 6941-6958.	1.7	13

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37	Nuclear export of the pre-60S ribosomal subunit through single nuclear pores observed in real time. Nature Communications, 2021, 12, 6211.	5.8	13
38	Imaging and tracking of single hyaluronan molecules diffusing in solution. Glycoconjugate Journal, 2008, 25, 555-560.	1.4	12
39	CNS myelin protein 36K regulates oligodendrocyte differentiation through Notch. Glia, 2020, 68, 509-527.	2.5	12
40	Terbutaline causes immobilization of single Î²2-adrenergic receptor-ligand complexes in the plasma membrane of living A549 cells as revealed by single-molecule microscopy. Journal of Biomedical Optics, 2011, 16, 1.	1.4	10
41	Labelling and imaging of single endogenous messenger RNA particlesin vivo. Journal of Cell Science, 2015, 128, 3695-706.	1.2	9
42	Trajectories and single-particle tracking data of intracellular vesicles loaded with either SNAP-Crb3A or SNAP-Crb3B. Data in Brief, 2016, 7, 1665-1669.	0.5	9
43	A single molecule view on Dbp5 and mRNA at the nuclear pore. Nucleus, 2013, 4, 8-13.	0.6	8
44	STED Microscopy. , 2013, , 375-392.		7
45	Observing and tracking single small ribosomal subunits in vivo. Methods, 2019, 153, 63-70.	1.9	7
46	Distant positioning of proteasomal proteolysis relative to actively transcribed genes. Nucleic Acids Research, 2011, 39, 4612-4627.	6.5	6
47	Expansion light sheet fluorescence microscopy of extended biological samples: Applications and perspectives. Progress in Biophysics and Molecular Biology, 2021, 168, 33-33.	1.4	6
48	Nuclear Trafficking and Export of Single, Native mRNPs in Chironomus tentans Salivary Gland Cells. Methods in Molecular Biology, 2013, 1042, 73-85.	0.4	4
49	Hard-wired lattice light-sheet microscopy for imaging of expanded samples. Optics Express, 2020, 28, 15587.	1.7	4
50	Transcription regulation during stable elongation by a reversible halt of RNA polymerase II. Molecular Biology of the Cell, 2014, 25, 2190-2198.	0.9	1
51	Single Molecule Fluorescence Monitoring in Eukaryotic Cells: Intranuclear Dynamics of Splicing Factors. , 0, , 1-17.		0