Alexander Egner

List of Publications by Citations

29 papers	1,998 citations	18 h-index	30 g-index
30 ext. papers	2,301 ext. citations	8.8 avg, IF	4.4 L-index

#	Paper	IF	Citations
29	Spherical nanosized focal spot unravels the interior of cells. *Nature Methods*, **2008**, 5, 539-44	21.6	323
28	Fast 100-nm resolution three-dimensional microscope reveals structural plasticity of mitochondria in live yeast. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 3370-5	11.5	241
27	Fluorescence nanoscopy in whole cells by asynchronous localization of photoswitching emitters. *Biophysical Journal*, **2007**, 93, 3285-90	2.9	227
26	Bassoon and the synaptic ribbon organize Ca□+ channels and vesicles to add release sites and promote refilling. *Neuron*, **2010**, 68, 724-38	13.9	198
25	Two-color nanoscopy of three-dimensional volumes by 4Pi detection of stochastically switched fluorophores. *Nature Methods*, **2011**, 8, 353-9	21.6	166
24	Mitochondrial cristae revealed with focused light. *Nano Letters*, **2009**, 9, 2508-10	11.5	119
23	Diffraction-unlimited three-dimensional optical nanoscopy with opposing lenses. *Nature Photonics*, **2009**, 3, 381-387	33.9	104
22	Fluorescence microscopy with super-resolved optical sections. *Trends in Cell Biology*, **2005**, 15, 207-15	18.3	101
21	Chromatin swelling drives neutrophil extracellular trap release. *Nature Communications*, **2018**, 9, 3767	17.4	92
20	4Pi-microscopy of the Golgi apparatus in live mammalian cells. *Journal of Structural Biology*, **2004**, 147, 70-6	3.4	66
19	Isotropic 3D Nanoscopy based on single emitter switching. *Optics Express*, **2008**, 16, 20774-88	3.3	60
18	Block copolymer nanostructures mapped by far-field optics. *Nano Letters*, **2009**, 9, 2497-500	11.5	45
17	Refractive index mismatch induced intensity and phase variations in fluorescence confocal, multiphoton and 4Pi-microscopy. *Optics Communications*, **1998**, 153, 211-217	2	42
16	Drift estimation for single marker switching based imaging schemes. *Optics Express*, **2012**, 20, 7274-89	3.3	41
15	Correlation of 4Pi and electron microscopy to study transport through single Golgi stacks in living cells with super resolution. *Traffic*, **2009**, 10, 379-91	5.7	35
14	Comment on "Extended-resolution structured illumination imaging of endocytic and cytoskeletal dynamics". *Science*, **2016**, 352, 527	33.3	31
13	Modern Statistical Challenges in High-Resolution Fluorescence Microscopy. *Annual Review of Statistics and Its Application*, **2015**, 2, 163-202	7.6	20

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12	Flexible Microdomain Specific Staining of Block Copolymers for 3D Optical Nanoscopy. *Macromolecules*, **2011**, 44, 7508-7510	5.5	20
11	Automatic deconvolution in 4Pi-microscopy with variable phase. *Optics Express*, **2010**, 18, 10154-67	3.3	18
10	Complement triggers relocation of Mortalin/GRP75 from mitochondria to the plasma membrane. *Immunobiology*, **2016**, 221, 1395-1406	3.4	11
9	4Pi Microscopy **2006**, 561-570		9
8	Superresolution reflection microscopy via absorbance modulation: a theoretical study. *Optics Express*, **2018**, 26, 5327-5341	3.3	6
7	Tomographic STED microscopy. *Biomedical Optics Express*, **2020**, 11, 3139-3163	3.5	6
6	Pixel hopping enables fast STED nanoscopy at low light dose. *Optics Express*, **2020**, 28, 4516-4528	3.3	6
5	Drift estimation in sparse sequential dynamic imaging, with application to nanoscale fluorescence microscopy. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2016**, 78, 563-587	3.9	5
4	Statistical Molecule Counting in Super-Resolution Fluorescence Microscopy: Towards Quantitative Nanoscopy. *Statistical Science*, **2020**, 35,	2.4	3
3	isoSTED microscopy with water-immersion lenses and background reduction. *Biophysical Journal*, **2021**, 120, 3303-3314	2.9	2
2	STED Nanoscopy. *Topics in Applied Physics*, **2020**, 3-34	0.5	1
1	ISM-assisted tomographic STED microscopy.. *Optics Express*, **2022**, 30, 939-956	3.3	0