

# Alexander Egner

## 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.

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	ISM-assisted tomographic STED microscopy.. <i>Optics Express</i> , <b>2022</b> , 30, 939-956	3.3	0
28	isoSTED microscopy with water-immersion lenses and background reduction. <i>Biophysical Journal</i> , <b>2021</b> , 120, 3303-3314	2.9	2
27	Tomographic STED microscopy. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 3139-3163	3.5	6
26	Pixel hopping enables fast STED nanoscopy at low light dose. <i>Optics Express</i> , <b>2020</b> , 28, 4516-4528	3.3	6
25	Statistical Molecule Counting in Super-Resolution Fluorescence Microscopy: Towards Quantitative Nanoscopy. <i>Statistical Science</i> , <b>2020</b> , 35,	2.4	3
24	STED Nanoscopy. <i>Topics in Applied Physics</i> , <b>2020</b> , 3-34	0.5	1
23	Superresolution reflection microscopy via absorbance modulation: a theoretical study. <i>Optics Express</i> , <b>2018</b> , 26, 5327-5341	3.3	6
22	Chromatin swelling drives neutrophil extracellular trap release. <i>Nature Communications</i> , <b>2018</b> , 9, 3767	17.4	92
21	Drift estimation in sparse sequential dynamic imaging, with application to nanoscale fluorescence microscopy. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2016</b> , 78, 563-587	3.9	5
20	Comment on "Extended-resolution structured illumination imaging of endocytic and cytoskeletal dynamics". <i>Science</i> , <b>2016</b> , 352, 527	33.3	31
19	Complement triggers relocation of Mortalin/GRP75 from mitochondria to the plasma membrane. <i>Immunobiology</i> , <b>2016</b> , 221, 1395-1406	3.4	11
18	Modern Statistical Challenges in High-Resolution Fluorescence Microscopy. <i>Annual Review of Statistics and Its Application</i> , <b>2015</b> , 2, 163-202	7.6	20
17	Drift estimation for single marker switching based imaging schemes. <i>Optics Express</i> , <b>2012</b> , 20, 7274-89	3.3	41
16	Two-color nanoscopy of three-dimensional volumes by 4Pi detection of stochastically switched fluorophores. <i>Nature Methods</i> , <b>2011</b> , 8, 353-9	21.6	166
15	Flexible Microdomain Specific Staining of Block Copolymers for 3D Optical Nanoscopy. <i>Macromolecules</i> , <b>2011</b> , 44, 7508-7510	5.5	20
14	Automatic deconvolution in 4Pi-microscopy with variable phase. <i>Optics Express</i> , <b>2010</b> , 18, 10154-67	3.3	18
13	Bassoon and the synaptic ribbon organize Ca <sup>2+</sup> channels and vesicles to add release sites and promote refilling. <i>Neuron</i> , <b>2010</b> , 68, 724-38	13.9	198

12	Diffraction-unlimited three-dimensional optical nanoscopy with opposing lenses. <i>Nature Photonics</i> , <b>2009</b> , 3, 381-387	33.9	104
11	Correlation of 4Pi and electron microscopy to study transport through single Golgi stacks in living cells with super resolution. <i>Traffic</i> , <b>2009</b> , 10, 379-91	5.7	35
10	Block copolymer nanostructures mapped by far-field optics. <i>Nano Letters</i> , <b>2009</b> , 9, 2497-500	11.5	45
9	Mitochondrial cristae revealed with focused light. <i>Nano Letters</i> , <b>2009</b> , 9, 2508-10	11.5	119
8	Spherical nanosized focal spot unravels the interior of cells. <i>Nature Methods</i> , <b>2008</b> , 5, 539-44	21.6	323
7	Isotropic 3D Nanoscopy based on single emitter switching. <i>Optics Express</i> , <b>2008</b> , 16, 20774-88	3.3	60
6	Fluorescence nanoscopy in whole cells by asynchronous localization of photoswitching emitters. <i>Biophysical Journal</i> , <b>2007</b> , 93, 3285-90	2.9	227
5	4Pi Microscopy <b>2006</b> , 561-570		9
4	Fluorescence microscopy with super-resolved optical sections. <i>Trends in Cell Biology</i> , <b>2005</b> , 15, 207-15	18.3	101
3	4Pi-microscopy of the Golgi apparatus in live mammalian cells. <i>Journal of Structural Biology</i> , <b>2004</b> , 147, 70-6	3.4	66
2	Fast 100-nm resolution three-dimensional microscope reveals structural plasticity of mitochondria in live yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 3370-5	11.5	241
1	Refractive index mismatch induced intensity and phase variations in fluorescence confocal, multiphoton and 4Pi-microscopy. <i>Optics Communications</i> , <b>1998</b> , 153, 211-217	2	42