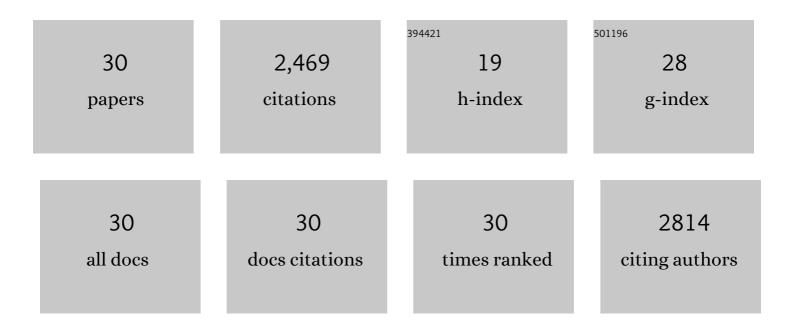
Alexander Egner

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Spherical nanosized focal spot unravels the interior of cells. Nature Methods, 2008, 5, 539-544.	19.0	380
2	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, 3370-3375.	7.1	286
3	Fluorescence Nanoscopy in Whole Cells by Asynchronous Localization of Photoswitching Emitters. Biophysical Journal, 2007, 93, 3285-3290.	0.5	261
4	Bassoon and the Synaptic Ribbon Organize Ca2+ Channels and Vesicles to Add Release Sites and Promote Refilling. Neuron, 2010, 68, 724-738.	8.1	250
5	Two-color nanoscopy of three-dimensional volumes by 4Pi detection of stochastically switched fluorophores. Nature Methods, 2011, 8, 353-359.	19.0	206
6	Chromatin swelling drives neutrophil extracellular trap release. Nature Communications, 2018, 9, 3767.	12.8	165
7	Mitochondrial Cristae Revealed with Focused Light. Nano Letters, 2009, 9, 2508-2510.	9.1	144
8	Diffraction-unlimited three-dimensional optical nanoscopy with opposing lenses. Nature Photonics, 2009, 3, 381-387.	31.4	119
9	Fluorescence microscopy with super-resolved optical sections. Trends in Cell Biology, 2005, 15, 207-215.	7.9	118
10	Isotropic 3D Nanoscopy based on single emitter switching. Optics Express, 2008, 16, 20774.	3.4	72
11	4Pi-microscopy of the Golgi apparatus in live mammalian cells. Journal of Structural Biology, 2004, 147, 70-76.	2.8	70
12	Block Copolymer Nanostructures Mapped by Far-Field Optics. Nano Letters, 2009, 9, 2497-2500.	9.1	53
13	Drift estimation for single marker switching based imaging schemes. Optics Express, 2012, 20, 7274.	3.4	50
14	Refractive index mismatch induced intensity and phase variations in fluorescence confocal, multiphoton and 4Pi-microscopy. Optics Communications, 1998, 153, 211-217.	2.1	47
15	Correlation of 4Pi and Electron Microscopy to Study Transport Through Single Golgi Stacks in Living Cells with Super Resolution. Traffic, 2009, 10, 379-391.	2.7	43
16	Comment on "Extended-resolution structured illumination imaging of endocytic and cytoskeletal dynamics― Science, 2016, 352, 527-527.	12.6	43
17	Modern Statistical Challenges in High-Resolution Fluorescence Microscopy. Annual Review of Statistics and Its Application, 2015, 2, 163-202.	7.0	27
18	Automatic deconvolution in 4Pi-microscopy with variable phase. Optics Express, 2010, 18, 10154.	3.4	23

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#	Article	IF	CITATIONS
19	Flexible Microdomain Specific Staining of Block Copolymers for 3D Optical Nanoscopy. Macromolecules, 2011, 44, 7508-7510.	4.8	23
20	Complement triggers relocation of Mortalin/GRP75 from mitochondria to the plasma membrane. Immunobiology, 2016, 221, 1395-1406.	1.9	17
21	Tomographic STED microscopy. Biomedical Optics Express, 2020, 11, 3139.	2.9	14
22	4Pi Microscopy. , 2006, , 561-570.		13
23	Pixel hopping enables fast STED nanoscopy at low light dose. Optics Express, 2020, 28, 4516.	3.4	11
24	Superresolution reflection microscopy via absorbance modulation: a theoretical study. Optics Express, 2018, 26, 5327.	3.4	8
25	Statistical Molecule Counting in Super-Resolution Fluorescence Microscopy: Towards Quantitative Nanoscopy. Statistical Science, 2020, 35, .	2.8	8
26	isoSTED microscopy with water-immersion lenses and background reduction. Biophysical Journal, 2021, 120, 3303-3314.	0.5	7
27	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.	2.2	5
28	STED Nanoscopy. Topics in Applied Physics, 2020, , 3-34.	0.8	3
29	ISM-assisted tomographic STED microscopy. Optics Express, 2022, 30, 939.	3.4	2

30 isoSTED – 3D Optical Nanoscopy. , 2010, , .

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