

Alexander Egner

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,469
citations

394421

19
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

2814
citing authors

#	ARTICLE	IF	CITATIONS
1	Spherical nanosized focal spot unravels the interior of cells. <i>Nature Methods</i> , 2008, 5, 539-544.	19.0	380
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> , 2002, 99, 3370-3375.	7.1	286
3	Fluorescence Nanoscopy in Whole Cells by Asynchronous Localization of Photoswitching Emitters. <i>Biophysical Journal</i> , 2007, 93, 3285-3290.	0.5	261
4	Bassoon and the Synaptic Ribbon Organize Ca ²⁺ Channels and Vesicles to Add Release Sites and Promote Refilling. <i>Neuron</i> , 2010, 68, 724-738.	8.1	250
5	Two-color nanoscopy of three-dimensional volumes by 4Pi detection of stochastically switched fluorophores. <i>Nature Methods</i> , 2011, 8, 353-359.	19.0	206
6	Chromatin swelling drives neutrophil extracellular trap release. <i>Nature Communications</i> , 2018, 9, 3767.	12.8	165
7	Mitochondrial Cristae Revealed with Focused Light. <i>Nano Letters</i> , 2009, 9, 2508-2510.	9.1	144
8	Diffraction-unlimited three-dimensional optical nanoscopy with opposing lenses. <i>Nature Photonics</i> , 2009, 3, 381-387.	31.4	119
9	Fluorescence microscopy with super-resolved optical sections. <i>Trends in Cell Biology</i> , 2005, 15, 207-215.	7.9	118
10	Isotropic 3D Nanoscopy based on single emitter switching. <i>Optics Express</i> , 2008, 16, 20774.	3.4	72
11	4Pi-microscopy of the Golgi apparatus in live mammalian cells. <i>Journal of Structural Biology</i> , 2004, 147, 70-76.	2.8	70
12	Block Copolymer Nanostructures Mapped by Far-Field Optics. <i>Nano Letters</i> , 2009, 9, 2497-2500.	9.1	53
13	Drift estimation for single marker switching based imaging schemes. <i>Optics Express</i> , 2012, 20, 7274.	3.4	50
14	Refractive index mismatch induced intensity and phase variations in fluorescence confocal, multiphoton and 4Pi-microscopy. <i>Optics Communications</i> , 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. <i>Traffic</i> , 2009, 10, 379-391.	2.7	43
16	Comment on "Extended-resolution structured illumination imaging of endocytic and cytoskeletal dynamics". <i>Science</i> , 2016, 352, 527-527.	12.6	43
17	Modern Statistical Challenges in High-Resolution Fluorescence Microscopy. <i>Annual Review of Statistics and Its Application</i> , 2015, 2, 163-202.	7.0	27
18	Automatic deconvolution in 4Pi-microscopy with variable phase. <i>Optics Express</i> , 2010, 18, 10154.	3.4	23

#	ARTICLE	IF	CITATIONS
19	Flexible Microdomain Specific Staining of Block Copolymers for 3D Optical Nanoscopy. <i>Macromolecules</i> , 2011, 44, 7508-7510.	4.8	23
20	Complement triggers relocation of Mortalin/GRP75 from mitochondria to the plasma membrane. <i>Immunobiology</i> , 2016, 221, 1395-1406.	1.9	17
21	Tomographic STED microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 3139.	2.9	14
22	4Pi Microscopy. , 2006, , 561-570.		13
23	Pixel hopping enables fast STED nanoscopy at low light dose. <i>Optics Express</i> , 2020, 28, 4516.	3.4	11
24	Superresolution reflection microscopy via absorbance modulation: a theoretical study. <i>Optics Express</i> , 2018, 26, 5327.	3.4	8
25	Statistical Molecule Counting in Super-Resolution Fluorescence Microscopy: Towards Quantitative Nanoscopy. <i>Statistical Science</i> , 2020, 35, .	2.8	8
26	isoSTED microscopy with water-immersion lenses and background reduction. <i>Biophysical Journal</i> , 2021, 120, 3303-3314.	0.5	7
27	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> , 2016, 78, 563-587.	2.2	5
28	STED Nanoscopy. <i>Topics in Applied Physics</i> , 2020, , 3-34.	0.8	3
29	ISM-assisted tomographic STED microscopy. <i>Optics Express</i> , 2022, 30, 939.	3.4	2
30	isoSTED " 3D Optical Nanoscopy. , 2010, , .		1