

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	ISM-assisted tomographic STED microscopy. <i>Optics Express</i> , 2022, 30, 939.	3.4	2
2	isoSTED microscopy with water-immersion lenses and background reduction. <i>Biophysical Journal</i> , 2021, 120, 3303-3314.	0.5	7
3	Tomographic STED microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 3139.	2.9	14
4	Pixel hopping enables fast STED nanoscopy at low light dose. <i>Optics Express</i> , 2020, 28, 4516.	3.4	11
5	Statistical Molecule Counting in Super-Resolution Fluorescence Microscopy: Towards Quantitative Nanoscopy. <i>Statistical Science</i> , 2020, 35, .	2.8	8
6	STED Nanoscopy. <i>Topics in Applied Physics</i> , 2020, , 3-34.	0.8	3
7	Chromatin swelling drives neutrophil extracellular trap release. <i>Nature Communications</i> , 2018, 9, 3767.	12.8	165
8	Superresolution reflection microscopy via absorbance modulation: a theoretical study. <i>Optics Express</i> , 2018, 26, 5327.	3.4	8
9	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
10	Comment on "Extended-resolution structured illumination imaging of endocytic and cytoskeletal dynamics". <i>Science</i> , 2016, 352, 527-527.	12.6	43
11	Complement triggers relocation of Mortalin/GRP75 from mitochondria to the plasma membrane. <i>Immunobiology</i> , 2016, 221, 1395-1406.	1.9	17
12	Modern Statistical Challenges in High-Resolution Fluorescence Microscopy. <i>Annual Review of Statistics and Its Application</i> , 2015, 2, 163-202.	7.0	27
13	Drift estimation for single marker switching based imaging schemes. <i>Optics Express</i> , 2012, 20, 7274.	3.4	50
14	Flexible Microdomain Specific Staining of Block Copolymers for 3D Optical Nanoscopy. <i>Macromolecules</i> , 2011, 44, 7508-7510.	4.8	23
15	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
16	isoSTED " 3D Optical Nanoscopy. , 2010, , .		1
17	Automatic deconvolution in 4Pi-microscopy with variable phase. <i>Optics Express</i> , 2010, 18, 10154.	3.4	23
18	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

#	ARTICLE	IF	CITATIONS
19	Diffraction-unlimited three-dimensional optical nanoscopy with opposing lenses. Nature Photonics, 2009, 3, 381-387.	31.4	119
20	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
21	Block Copolymer Nanostructures Mapped by Far-Field Optics. Nano Letters, 2009, 9, 2497-2500.	9.1	53
22	Mitochondrial Cristae Revealed with Focused Light. Nano Letters, 2009, 9, 2508-2510.	9.1	144
23	Spherical nanosized focal spot unravels the interior of cells. Nature Methods, 2008, 5, 539-544.	19.0	380
24	Isotropic 3D Nanoscopy based on single emitter switching. Optics Express, 2008, 16, 20774.	3.4	72
25	Fluorescence Nanoscopy in Whole Cells by Asynchronous Localization of Photoswitching Emitters. Biophysical Journal, 2007, 93, 3285-3290.	0.5	261
26	4Pi Microscopy. , 2006, , 561-570.		13
27	Fluorescence microscopy with super-resolved optical sections. Trends in Cell Biology, 2005, 15, 207-215.	7.9	118
28	4Pi-microscopy of the Golgi apparatus in live mammalian cells. Journal of Structural Biology, 2004, 147, 70-76.	2.8	70
29	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
30	Refractive index mismatch induced intensity and phase variations in fluorescence confocal, multiphoton and 4Pi-microscopy. Optics Communications, 1998, 153, 211-217.	2.1	47