

Marcel MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

959
citations

759233

12
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

1195
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategic and practical guidelines for successful structured illumination microscopy. <i>Nature Protocols</i> , 2017, 12, 988-1010.	12.0	258
2	Open-source image reconstruction of super-resolution structured illumination microscopy data in ImageJ. <i>Nature Communications</i> , 2016, 7, 10980.	12.8	238
3	Video-rate multi-color structured illumination microscopy with simultaneous real-time reconstruction. <i>Nature Communications</i> , 2019, 10, 4315.	12.8	107
4	Deep-learning based denoising and reconstruction of super-resolution structured illumination microscopy images. <i>Photonics Research</i> , 2021, 9, B168.	7.0	44
5	Multifocus structured illumination microscopy for fast volumetric super-resolution imaging. <i>Biomedical Optics Express</i> , 2017, 8, 4135.	2.9	42
6	Structured illumination microscopy with noise-controlled image reconstructions. <i>Nature Methods</i> , 2021, 18, 821-828.	19.0	40
7	Entropy-Based Super-Resolution Imaging (ESI): From Disorder to Fine Detail. <i>ACS Photonics</i> , 2015, 2, 1049-1056.	6.6	39
8	Characterization of an industry-grade CMOS camera well suited for single molecule localization microscopy – high performance super-resolution at low cost. <i>Scientific Reports</i> , 2017, 7, 14425.	3.3	39
9	Cost-Effective Live Cell Structured Illumination Microscopy with Video-Rate Imaging. <i>ACS Photonics</i> , 2021, 8, 1639-1648.	6.6	22
10	Quantitative comparison of camera technologies for cost-effective super-resolution optical fluctuation imaging (SOFI). <i>JPhys Photonics</i> , 2019, 1, 044001.	4.6	21
11	Nanoparticles as Nonfluorescent Analogues of Fluorophores for Optical Nanoscopy. <i>ACS Nano</i> , 2015, 9, 6196-6205.	14.6	19
12	Accuracy of a magnetic resonance imaging-based 3D printed stereotactic brain biopsy device in dogs. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 844-851.	1.6	17
13	High-speed multiplane structured illumination microscopy of living cells using an image-splitting prism. <i>Nanophotonics</i> , 2020, 9, 143-148.	6.0	15
14	Simulating digital micromirror devices for patterning coherent excitation light in structured illumination microscopy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200147.	3.4	11
15	Super-resolution fluorescence microscopy by line-scanning with an unmodified two-photon microscope. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200300.	3.4	9
16	Dual color DMD-SIM by temperature-controlled laser wavelength matching. <i>Optics Express</i> , 2021, 29, 39696.	3.4	7
17	Self-contained and modular structured illumination microscope. <i>Biomedical Optics Express</i> , 2021, 12, 4414.	2.9	5
18	A Comparative Study of Automatic Localization Algorithms for Spherical Markers within 3D MRI Data. <i>Brain Sciences</i> , 2021, 11, 876.	2.3	1