

Michael J Mlodzianoski

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,195
citations

567144

15
h-index

677027

22
g-index

26
all docs

26
docs citations

26
times ranked

2672
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional sub-100 nm resolution fluorescence microscopy of thick samples. <i>Nature Methods</i> , 2008, 5, 527-529.	9.0	753
2	Precisely and accurately localizing single emitters in fluorescence microscopy. <i>Nature Methods</i> , 2014, 11, 253-266.	9.0	430
3	MLKL trafficking and accumulation at the plasma membrane control the kinetics and threshold for necroptosis. <i>Nature Communications</i> , 2020, 11, 3151.	5.8	194
4	Sample drift correction in 3D fluorescence photoactivation localization microscopy. <i>Optics Express</i> , 2011, 19, 15009.	1.7	161
5	Experimental characterization of 3D localization techniques for particle-tracking and super-resolution microscopy. <i>Optics Express</i> , 2009, 17, 8264.	1.7	137
6	Active PSF shaping and adaptive optics enable volumetric localization microscopy through brain sections. <i>Nature Methods</i> , 2018, 15, 583-586.	9.0	74
7	Analyzing complex single-molecule emission patterns with deep learning. <i>Nature Methods</i> , 2018, 15, 913-916.	9.0	70
8	Super-Resolution Imaging of Molecular Emission Spectra and Single Molecule Spectral Fluctuations. <i>PLoS ONE</i> , 2016, 11, e0147506.	1.1	70
9	Activation mechanism of PINK1. <i>Nature</i> , 2022, 602, 328-335.	13.7	59
10	Deficiency in coatamer complex I causes aberrant activation of STING signalling. <i>Nature Communications</i> , 2022, 13, 2321.	5.8	43
11	sCMOS noise-correction algorithm for microscopy images. <i>Nature Methods</i> , 2017, 14, 760-761.	9.0	41
12	4D analysis of malaria parasite invasion offers insights into erythrocyte membrane remodeling and parasitophorous vacuole formation. <i>Nature Communications</i> , 2021, 12, 3620.	5.8	38
13	Influenza Hemagglutinin Modulates Phosphatidylinositol 4,5-Bisphosphate Membrane Clustering. <i>Biophysical Journal</i> , 2019, 116, 893-909.	0.2	36
14	Imaging and Shape Analysis of GUVs as Model Plasma Membranes: Effect of Trans DOPC on Membrane Properties. <i>Biophysical Journal</i> , 2007, 93, 2011-2023.	0.2	31
15	Dances with Membranes: Breakthroughs from Super-resolution Imaging. <i>Current Topics in Membranes</i> , 2015, 75, 59-123.	0.5	16
16	Simultaneous Multicolor Imaging of Biological Structures with Fluorescence Photoactivation Localization Microscopy. <i>Journal of Visualized Experiments</i> , 2013, , e50680.	0.2	12
17	A single tyrosine phosphorylation site in cortactin is important for filopodia formation in neuronal growth cones. <i>Molecular Biology of the Cell</i> , 2019, 30, 1817-1833.	0.9	9
18	Shape Analysis of Giant Vesicles With Fluid Phase Coexistence by Laser Scanning Microscopy to Determine Curvature, Bending Elasticity, and Line Tension. <i>Methods in Molecular Biology</i> , 2007, 400, 367-387.	0.4	9

#	ARTICLE	IF	CITATIONS
19	Chromosomes distribute randomly to, but not within, human neutrophil nuclear lobes. IScience, 2021, 24, 102161.	1.9	8
20	A low-cost microwell device for high-resolution imaging of neurite outgrowth in 3D. Journal of Neural Engineering, 2018, 15, 035001.	1.8	2
21	Multispecies Fluorescence Photoactivation Localization Microscopy by Spectral Measurement. Biophysical Journal, 2013, 104, 666a.	0.2	1
22	Multimodal imaging of synaptic vesicles with a single probe. Cell Reports Methods, 2022, 2, 100199.	1.4	1
23	Multimodal Imaging of Synaptic Vesicles with a Single Probe. SSRN Electronic Journal, 0, , .	0.4	0
24	3D Localization in Fluorescence Photoactivation Localization Microscopy and Particle Tracking. , 2009, , .		0