

# 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	Activation mechanism of PINK1. <i>Nature</i> , 2022, 602, 328-335.	13.7	59
2	Multimodal imaging of synaptic vesicles with a single probe. <i>Cell Reports Methods</i> , 2022, 2, 100199.	1.4	1
3	Deficiency in coatamer complex I causes aberrant activation of STING signalling. <i>Nature Communications</i> , 2022, 13, 2321.	5.8	43
4	Chromosomes distribute randomly to, but not within, human neutrophil nuclear lobes. <i>IScience</i> , 2021, 24, 102161.	1.9	8
5	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
6	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
7	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
8	Influenza Hemagglutinin Modulates Phosphatidylinositol 4,5-Bisphosphate Membrane Clustering. <i>Biophysical Journal</i> , 2019, 116, 893-909.	0.2	36
9	A low-cost microwell device for high-resolution imaging of neurite outgrowth in 3D. <i>Journal of Neural Engineering</i> , 2018, 15, 035001.	1.8	2
10	Analyzing complex single-molecule emission patterns with deep learning. <i>Nature Methods</i> , 2018, 15, 913-916.	9.0	70
11	Active PSF shaping and adaptive optics enable volumetric localization microscopy through brain sections. <i>Nature Methods</i> , 2018, 15, 583-586.	9.0	74
12	sCMOS noise-correction algorithm for microscopy images. <i>Nature Methods</i> , 2017, 14, 760-761.	9.0	41
13	Super-Resolution Imaging of Molecular Emission Spectra and Single Molecule Spectral Fluctuations. <i>PLoS ONE</i> , 2016, 11, e0147506.	1.1	70
14	Dances with Membranes: Breakthroughs from Super-resolution Imaging. <i>Current Topics in Membranes</i> , 2015, 75, 59-123.	0.5	16
15	Precisely and accurately localizing single emitters in fluorescence microscopy. <i>Nature Methods</i> , 2014, 11, 253-266.	9.0	430
16	Multispecies Fluorescence Photoactivation Localization Microscopy by Spectral Measurement. <i>Biophysical Journal</i> , 2013, 104, 666a.	0.2	1
17	Simultaneous Multicolor Imaging of Biological Structures with Fluorescence Photoactivation Localization Microscopy. <i>Journal of Visualized Experiments</i> , 2013, , e50680.	0.2	12
18	Sample drift correction in 3D fluorescence photoactivation localization microscopy. <i>Optics Express</i> , 2011, 19, 15009.	1.7	161

#	ARTICLE	IF	CITATIONS
19	Experimental characterization of 3D localization techniques for particle-tracking and super-resolution microscopy. <i>Optics Express</i> , 2009, 17, 8264.	1.7	137
20	3D Localization in Fluorescence Photoactivation Localization Microscopy and Particle Tracking. , 2009, , .		0
21	Three-dimensional sub-100 nm resolution fluorescence microscopy of thick samples. <i>Nature Methods</i> , 2008, 5, 527-529.	9.0	753
22	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
23	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
24	Multimodal Imaging of Synaptic Vesicles with a Single Probe. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0