

# Daniel E Milkie

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

4,613  
citations

17  
h-index

26  
g-index

26  
ext. papers

6,062  
ext. citations

24.2  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
25	Lattice light-sheet microscopy: imaging molecules to embryos at high spatiotemporal resolution. <i>Science</i> , <b>2014</b> , 346, 1257998	33.3	1102
24	Rapid three-dimensional isotropic imaging of living cells using Bessel beam plane illumination. <i>Nature Methods</i> , <b>2011</b> , 8, 417-23	21.6	741
23	ADVANCED IMAGING. Extended-resolution structured illumination imaging of endocytic and cytoskeletal dynamics. <i>Science</i> , <b>2015</b> , 349, aab3500	33.3	434
22	A Complete Electron Microscopy Volume of the Brain of Adult <i>Drosophila melanogaster</i> . <i>Cell</i> , <b>2018</b> , 174, 730-743.e22	56.2	393
21	Adaptive optics via pupil segmentation for high-resolution imaging in biological tissues. <i>Nature Methods</i> , <b>2010</b> , 7, 141-7	21.6	391
20	Observing the cell in its native state: Imaging subcellular dynamics in multicellular organisms. <i>Science</i> , <b>2018</b> , 360,	33.3	280
19	Visualizing Intracellular Organelle and Cytoskeletal Interactions at Nanoscale Resolution on Millisecond Timescales. <i>Cell</i> , <b>2018</b> , 175, 1430-1442.e17	56.2	234
18	High-density three-dimensional localization microscopy across large volumes. <i>Nature Methods</i> , <b>2016</b> , 13, 359-65	21.6	192
17	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. <i>Science</i> , <b>2019</b> , 363,	33.3	181
16	Rapid adaptive optical recovery of optimal resolution over large volumes. <i>Nature Methods</i> , <b>2014</b> , 11, 625-8	21.6	169
15	Correlative three-dimensional super-resolution and block-face electron microscopy of whole vitreously frozen cells. <i>Science</i> , <b>2020</b> , 367,	33.3	138
14	Photoluminescence from intertube carrier migration in single-walled carbon nanotube bundles. <i>Nano Letters</i> , <b>2006</b> , 6, 2864-7	11.5	93
13	Multiplexed aberration measurement for deep tissue imaging in vivo. <i>Nature Methods</i> , <b>2014</b> , 11, 1037-40	21.6	84
12	Simultaneous Block Copolymer and Magnetic Nanoparticle Assembly in Nanocomposite Films. <i>Macromolecules</i> , <b>2009</b> , 42, 1219-1228	5.5	61
11	Pupil-segmentation-based adaptive optical microscopy with full-pupil illumination. <i>Optics Letters</i> , <b>2011</b> , 36, 4206-8	3	38
10	A Complete Electron Microscopy Volume Of The Brain Of Adult <i>Drosophila melanogaster</i>		24
9	Direct phase measurement in zonal wavefront reconstruction using multidither coherent optical adaptive technique. <i>Optics Express</i> , <b>2014</b> , 22, 1619-28	3.3	21

8	Measurement of chiral-dependent magnetic anisotropy in carbon nanotubes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 252-3	16.4	17
7	An adaptive optics module for deep tissue multiphoton imaging in vivo. <i>Nature Methods</i> , <b>2021</b> , 18, 1259-1264	10	
6	Correlative three-dimensional super-resolution and block face electron microscopy of whole vitreously frozen cells		2
5	An adaptive optics module for deep tissue multiphoton imaging in vivo		2
4	Observing the Cell in Its Native State: Imaging Subcellular Dynamics in Multicellular Organisms		2
3	Pupil-segmentation-based adaptive optics for microscopy <b>2011</b> ,		1
2	Rapid reconstruction of neural circuits using tissue expansion and lattice light sheet microscopy		1
1	Cortical Column and Whole Brain Imaging of Neural Circuits with Molecular Contrast and Nanoscale Resolution		1