# Daniel E Milkie

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | An adaptive optics module for deep tissue multiphoton imaging in vivo. *Nature Methods*, **2021**, 18, 1259-1264 | 21.6 | 10 |
| 24 | Correlative three-dimensional super-resolution and block-face electron microscopy of whole vitreously frozen cells. *Science*, **2020**, 367, | 33.3 | 138 |
| 23 | Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. *Science*, **2019**, 363, | 33.3 | 181 |
| 22 | Observing the cell in its native state: Imaging subcellular dynamics in multicellular organisms. *Science*, **2018**, 360, | 33.3 | 280 |
| 21 | A Complete Electron Microscopy Volume of the Brain of Adult Drosophila melanogaster. *Cell*, **2018**, 174, 730-743.e22 | 56.2 | 393 |
| 20 | Visualizing Intracellular Organelle and Cytoskeletal Interactions at Nanoscale Resolution on Millisecond Timescales. *Cell*, **2018**, 175, 1430-1442.e17 | 56.2 | 234 |
| 19 | High-density three-dimensional localization microscopy across large volumes. *Nature Methods*, **2016**, 13, 359-65 | 21.6 | 192 |
| 18 | ADVANCED IMAGING. Extended-resolution structured illumination imaging of endocytic and cytoskeletal dynamics. *Science*, **2015**, 349, aab3500 | 33.3 | 434 |
| 17 | Lattice light-sheet microscopy: imaging molecules to embryos at high spatiotemporal resolution. *Science*, **2014**, 346, 1257998 | 33.3 | 1102 |
| 16 | Multiplexed aberration measurement for deep tissue imaging in vivo. *Nature Methods*, **2014**, 11, 1037-40 | 21.6 | 84 |
| 15 | Rapid adaptive optical recovery of optimal resolution over large volumes. *Nature Methods*, **2014**, 11, 625-8 | 21.6 | 169 |
| 14 | Direct phase measurement in zonal wavefront reconstruction using multidither coherent optical adaptive technique. *Optics Express*, **2014**, 22, 1619-28 | 3.3 | 21 |
| 13 | Pupil-segmentation-based adaptive optical microscopy with full-pupil illumination. *Optics Letters*, **2011**, 36, 4206-8 | 3 | 38 |
| 12 | Rapid three-dimensional isotropic imaging of living cells using Bessel beam plane illumination. *Nature Methods*, **2011**, 8, 417-23 | 21.6 | 741 |
| 11 | Pupil-segmentation-based adaptive optics for microscopy **2011**, | | 1 |
| 10 | Adaptive optics via pupil segmentation for high-resolution imaging in biological tissues. *Nature Methods*, **2010**, 7, 141-7 | 21.6 | 391 |
| 9 | Simultaneous Block Copolymer and Magnetic Nanoparticle Assembly in Nanocomposite Films. *Macromolecules*, **2009**, 42, 1219-1228 | 5.5 | 61 |

# List of Publications

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|---|---|---|---|
| 8 | Measurement of chiral-dependent magnetic anisotropy in carbon nanotubes. *Journal of the American Chemical Society*, **2007**, 129, 252-3 | 16.4 | 17 |
| 7 | Photoluminescence from intertube carrier migration in single-walled carbon nanotube bundles. *Nano Letters*, **2006**, 6, 2864-7 | 11.5 | 93 |
| 6 | Rapid reconstruction of neural circuits using tissue expansion and lattice light sheet microscopy | | 1 |
| 5 | Cortical Column and Whole Brain Imaging of Neural Circuits with Molecular Contrast and Nanoscale Resolution | | 1 |
| 4 | Correlative three-dimensional super-resolution and block face electron microscopy of whole vitreously frozen cells | | 2 |
| 3 | A Complete Electron Microscopy Volume Of The Brain Of Adult Drosophila melanogaster | | 24 |
| 2 | An adaptive optics module for deep tissue multiphoton imaging in vivo | | 2 |
| 1 | Observing the Cell in Its Native State: Imaging Subcellular Dynamics in Multicellular Organisms | | 2 |