

David N Mastronarde

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

12,974
citations

430874

18
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

15340
citing authors

#	ARTICLE	IF	CITATIONS
1	Software tools for automated transmission electron microscopy. <i>Nature Methods</i> , 2019, 16, 471-477.	19.0	367
2	Large-Scale Electron Tomography of Cells Using SerialEM and IMOD. <i>Biological and Medical Physics Series</i> , 2018, , 95-116.	0.4	9
3	Advanced Data Acquisition From Electron Microscopes With SerialEM. <i>Microscopy and Microanalysis</i> , 2018, 24, 864-865.	0.4	50
4	Automated tilt series alignment and tomographic reconstruction in IMOD. <i>Journal of Structural Biology</i> , 2017, 197, 102-113.	2.8	524
5	Practical Experience with Hole-Free Phase Plates for Cryo Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 1316-1328.	0.4	11
6	MRC2014: Extensions to the MRC format header for electron cryo-microscopy and tomography. <i>Journal of Structural Biology</i> , 2015, 192, 146-150.	2.8	59
7	Exploring the retinal connectome. <i>Molecular Vision</i> , 2011, 17, 355-79.	1.1	135
8	Cryo-electron tomography of microtubule-kinesin motor complexes. <i>Journal of Structural Biology</i> , 2010, 170, 257-265.	2.8	38
9	A Computational Framework for Ultrastructural Mapping of Neural Circuitry. <i>PLoS Biology</i> , 2009, 7, e1000074.	5.6	122
10	CTF determination and correction for low dose tomographic tilt series. <i>Journal of Structural Biology</i> , 2009, 168, 378-387.	2.8	195
11	Organization of Interphase Microtubules in Fission Yeast Analyzed by Electron Tomography. <i>Developmental Cell</i> , 2007, 12, 349-361.	7.0	158
12	New views of cells in 3D: an introduction to electron tomography. <i>Trends in Cell Biology</i> , 2005, 15, 43-51.	7.9	378
13	Automated electron microscope tomography using robust prediction of specimen movements. <i>Journal of Structural Biology</i> , 2005, 152, 36-51.	2.8	4,320
14	SerialEM: A Program for Automated Tilt Series Acquisition on Tecnai Microscopes Using Prediction of Specimen Position. <i>Microscopy and Microanalysis</i> , 2003, 9, 1182-1183.	0.4	302
15	Dual-Axis Tomography: An Approach with Alignment Methods That Preserve Resolution. <i>Journal of Structural Biology</i> , 1997, 120, 343-352.	2.8	1,031
16	Resources for the Study of Cellular Structure by High Voltage Electron Tomography, Serial Thin Sectioning, Specific Labeling, and Image Analysis. <i>Microscopy and Microanalysis</i> , 1997, 3, 273-274.	0.4	0
17	Computer Visualization of Three-Dimensional Image Data Using IMOD. <i>Journal of Structural Biology</i> , 1996, 116, 71-76.	2.8	4,964
18	Nonlagged relay cells and interneurons in the cat lateral geniculate nucleus: Receptive-field properties and retinal inputs. <i>Visual Neuroscience</i> , 1992, 8, 407-441.	1.0	89

#	ARTICLE	IF	CITATIONS
19	Lagged Y cells in the cat lateral geniculate nucleus. <i>Visual Neuroscience</i> , 1991, 7, 191-200.	1.0	40
20	Organization of the cat's optic tract as assessed by single-axon recordings. <i>Journal of Comparative Neurology</i> , 1984, 227, 14-22.	1.6	26
21	Nonuniform postnatal growth of the cat retina. <i>Journal of Comparative Neurology</i> , 1984, 228, 598-608.	1.6	140