

Antonio Martinez-Sanchez

List of Publications by Year in Descending Order

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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.

23
papers

911
citations

12
h-index

30
g-index

33
ext. papers

1,362
ext. citations

14.7
avg, IF

4.13
L-index

#	Paper	IF	Citations
23	Statistical spatial analysis for cryo-electron tomography.. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 218, 106693	6.9	1
22	Deep learning improves macromolecule identification in 3D cellular cryo-electron tomograms. <i>Nature Methods</i> , 2021 , 18, 1386-1394	21.6	9
21	Trans-synaptic assemblies link synaptic vesicles and neuroreceptors. <i>Science Advances</i> , 2021 , 7,	14.3	4
20	In situ architecture of neuronal β synuclein inclusions. <i>Nature Communications</i> , 2021 , 12, 2110	17.4	24
19	Template-free detection and classification of membrane-bound complexes in cryo-electron tomograms. <i>Nature Methods</i> , 2020 , 17, 209-216	21.6	25
18	The structural basis of Rubisco phase separation in the pyrenoid. <i>Nature Plants</i> , 2020 , 6, 1480-1490	11.5	25
17	Reliable estimation of membrane curvature for cryo-electron tomography. <i>PLoS Computational Biology</i> , 2020 , 16, e1007962	5	6
16	The Architecture of Traveling Actin Waves Revealed by Cryo-Electron Tomography. <i>Structure</i> , 2019 , 27, 1211-1223.e5	5.2	28
15	Dynamic instability of clathrin assembly provides proofreading control for endocytosis. <i>Journal of Cell Biology</i> , 2019 , 218, 3200-3211	7.3	28
14	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>Developmental Cell</i> , 2019 , 51, 476-487.e7	10.2	43
13	In Situ Structure of Neuronal C9orf72 Poly-GA Aggregates Reveals Proteasome Recruitment. <i>Cell</i> , 2018 , 172, 696-705.e12	56.2	196
12	TomoEED: fast edge-enhancing denoising of tomographic volumes. <i>Bioinformatics</i> , 2018 , 34, 3776-3778	7.2	6
11	The Eukaryotic CO-Concentrating Organelle Is Liquid-like and Exhibits Dynamic Reorganization. <i>Cell</i> , 2017 , 171, 148-162.e19	56.2	191
10	In Situ Architecture and Cellular Interactions of PolyQ Inclusions. <i>Cell</i> , 2017 , 171, 179-187.e10	56.2	177
9	Robust membrane detection based on tensor voting for electron tomography. <i>Journal of Structural Biology</i> , 2014 , 186, 49-61	3.4	84
8	A ridge-based framework for segmentation of 3D electron microscopy datasets. <i>Journal of Structural Biology</i> , 2013 , 181, 61-70	3.4	14
7	Procedure for Detection of Membranes in Three-Dimensional Subcellular Density Maps. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 137-145		

6	A differential structure approach to membrane segmentation in electron tomography. <i>Journal of Structural Biology</i> , 2011 , 175, 372-83	3-4	35
5	A novel method to increase LinLog CMOS sensors performance in high dynamic range scenarios. <i>Sensors</i> , 2011 , 11, 8412-29	3-8	7
4	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>SSRN Electronic Journal</i> ,	1	1
3	Estimation of Membrane Curvature for Cryo-Electron Tomography		1
2	The Structural Basis of Rubisco Phase Separation in the Pyrenoid		2
1	MemBrain: A Deep Learning-aided Pipeline for Automated Detection of Membrane Proteins in Cryo-electron Tomograms		1