

# Antonio Martinez-Sanchez

## 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.

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	In Situ Structure of Neuronal C9orf72 Poly-GA Aggregates Reveals Proteasome Recruitment. <i>Cell</i> , <b>2018</b> , 172, 696-705.e12	56.2	196
22	The Eukaryotic CO-Concentrating Organelle Is Liquid-like and Exhibits Dynamic Reorganization. <i>Cell</i> , <b>2017</b> , 171, 148-162.e19	56.2	191
21	In Situ Architecture and Cellular Interactions of PolyQ Inclusions. <i>Cell</i> , <b>2017</b> , 171, 179-187.e10	56.2	177
20	Robust membrane detection based on tensor voting for electron tomography. <i>Journal of Structural Biology</i> , <b>2014</b> , 186, 49-61	3.4	84
19	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>Developmental Cell</i> , <b>2019</b> , 51, 476-487.e7	10.2	43
18	A differential structure approach to membrane segmentation in electron tomography. <i>Journal of Structural Biology</i> , <b>2011</b> , 175, 372-83	3.4	35
17	The Architecture of Traveling Actin Waves Revealed by Cryo-Electron Tomography. <i>Structure</i> , <b>2019</b> , 27, 1211-1223.e5	5.2	28
16	Dynamic instability of clathrin assembly provides proofreading control for endocytosis. <i>Journal of Cell Biology</i> , <b>2019</b> , 218, 3200-3211	7.3	28
15	Template-free detection and classification of membrane-bound complexes in cryo-electron tomograms. <i>Nature Methods</i> , <b>2020</b> , 17, 209-216	21.6	25
14	The structural basis of Rubisco phase separation in the pyrenoid. <i>Nature Plants</i> , <b>2020</b> , 6, 1480-1490	11.5	25
13	In situ architecture of neuronal $\beta$ synuclein inclusions. <i>Nature Communications</i> , <b>2021</b> , 12, 2110	17.4	24
12	A ridge-based framework for segmentation of 3D electron microscopy datasets. <i>Journal of Structural Biology</i> , <b>2013</b> , 181, 61-70	3.4	14
11	Deep learning improves macromolecule identification in 3D cellular cryo-electron tomograms. <i>Nature Methods</i> , <b>2021</b> , 18, 1386-1394	21.6	9
10	A novel method to increase LinLog CMOS sensors performance in high dynamic range scenarios. <i>Sensors</i> , <b>2011</b> , 11, 8412-29	3.8	7
9	Reliable estimation of membrane curvature for cryo-electron tomography. <i>PLoS Computational Biology</i> , <b>2020</b> , 16, e1007962	5	6
8	TomoEED: fast edge-enhancing denoising of tomographic volumes. <i>Bioinformatics</i> , <b>2018</b> , 34, 3776-3778	7.2	6
7	Trans-synaptic assemblies link synaptic vesicles and neuroreceptors. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	4

6	The Structural Basis of Rubisco Phase Separation in the Pyrenoid		2
5	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>SSRN Electronic Journal</i> ,	1	1
4	Estimation of Membrane Curvature for Cryo-Electron Tomography		1
3	MemBrain: A Deep Learning-aided Pipeline for Automated Detection of Membrane Proteins in Cryo-electron Tomograms		1
2	Statistical spatial analysis for cryo-electron tomography.. <i>Computer Methods and Programs in Biomedicine</i> , <b>2022</b> , 218, 106693	6.9	1
1	Procedure for Detection of Membranes in Three-Dimensional Subcellular Density Maps. <i>Advances in Intelligent and Soft Computing</i> , <b>2012</b> , 137-145		