

# Antonio Martinez-Sanchez

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,672  
citations

623188

14  
h-index

752256

20  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2150  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Structure of Neuronal C9orf72 Poly-GA Aggregates Reveals Proteasome Recruitment. <i>Cell</i> , 2018, 172, 696-705.e12.	13.5	311
2	The Eukaryotic CO <sub>2</sub> -Concentrating Organelle Is Liquid-like and Exhibits Dynamic Reorganization. <i>Cell</i> , 2017, 171, 148-162.e19.	13.5	298
3	In Situ Architecture and Cellular Interactions of PolyQ Inclusions. <i>Cell</i> , 2017, 171, 179-187.e10.	13.5	271
4	Robust membrane detection based on tensor voting for electron tomography. <i>Journal of Structural Biology</i> , 2014, 186, 49-61.	1.3	169
5	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>Developmental Cell</i> , 2019, 51, 476-487.e7.	3.1	87
6	Deep learning improves macromolecule identification in 3D cellular cryo-electron tomograms. <i>Nature Methods</i> , 2021, 18, 1386-1394.	9.0	84
7	The structural basis of Rubisco phase separation in the pyrenoid. <i>Nature Plants</i> , 2020, 6, 1480-1490.	4.7	68
8	In situ architecture of neuronal $\alpha$ -Synuclein inclusions. <i>Nature Communications</i> , 2021, 12, 2110.	5.8	66
9	Template-free detection and classification of membrane-bound complexes in cryo-electron tomograms. <i>Nature Methods</i> , 2020, 17, 209-216.	9.0	60
10	The Architecture of Traveling Actin Waves Revealed by Cryo-Electron Tomography. <i>Structure</i> , 2019, 27, 1211-1223.e5.	1.6	53
11	A differential structure approach to membrane segmentation in electron tomography. <i>Journal of Structural Biology</i> , 2011, 175, 372-383.	1.3	41
12	Dynamic instability of clathrin assembly provides proofreading control for endocytosis. <i>Journal of Cell Biology</i> , 2019, 218, 3200-3211.	2.3	41
13	Reliable estimation of membrane curvature for cryo-electron tomography. <i>PLoS Computational Biology</i> , 2020, 16, e1007962.	1.5	23
14	Trans-synaptic assemblies link synaptic vesicles and neuroreceptors. <i>Science Advances</i> , 2021, 7, .	4.7	23
15	A ridge-based framework for segmentation of 3D electron microscopy datasets. <i>Journal of Structural Biology</i> , 2013, 181, 61-70.	1.3	16
16	TomoEED: fast edge-enhancing denoising of tomographic volumes. <i>Bioinformatics</i> , 2018, 34, 3776-3778.	1.8	15
17	MemBrain: A deep learning-aided pipeline for detection of membrane proteins in Cryo-electron tomograms. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 224, 106990.	2.6	15
18	Statistical spatial analysis for cryo-electron tomography. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 218, 106693.	2.6	8

#	ARTICLE	IF	CITATIONS
19	A Novel Method to Increase LinLog CMOS Sensorsâ€™ Performance in High Dynamic Range Scenarios. Sensors, 2011, 11, 8412-8429.	2.1	7
20	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. SSRN Electronic Journal, 0, , .	0.4	2
21	PySeg in Scipion: making easier template-free detection and classification of membrane-bound complexes in cryo-electron tomograms. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, a231-a231.	0.0	1
22	A generic model for ridges: A new framework to characterise biological planar structures. , 2012, , .		0