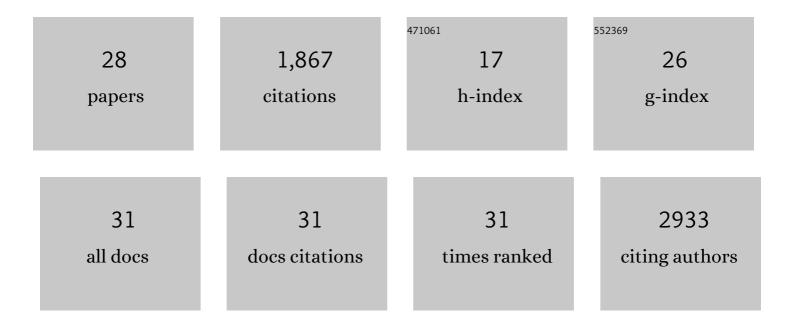
## Josue Gomez-Blanco

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5347876/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Localized reconstruction in Scipion expedites the analysis of symmetry mismatches in cryo-EM data. Progress in Biophysics and Molecular Biology, 2021, 160, 43-52.	1.4	33
2	Local computational methods to improve the interpretability and analysis of cryo-EM maps. Nature Communications, 2021, 12, 1240.	5.8	36
3	Near-atomic structure of an atadenovirus reveals a conserved capsid-binding motif and intergenera variations in cementing proteins. Science Advances, 2021, 7, .	4.7	9
4	DeepEMhancer: a deep learning solution for cryo-EM volume post-processing. Communications Biology, 2021, 4, 874.	2.0	561
5	Alternative conformations and motions adopted by 30S ribosomal subunits visualized by cryo-electron microscopy. Rna, 2020, 26, 2017-2030.	1.6	21
6	Deep Learning for Validating and Estimating Resolution of Cryo-Electron Microscopy Density Maps â€. Molecules, 2019, 24, 1181.	1.7	25
7	Role of Era in assembly and homeostasis of the ribosomal small subunit. Nucleic Acids Research, 2019, 47, 8301-8317.	6.5	34
8	Computational Methods to Process Highly Heterogeneous Cryo-EM Samples. Microscopy and Microanalysis, 2019, 25, 1292-1293.	0.2	0
9	A robust approach to ab initio cryo-electron microscopy initial volume determination. Journal of Structural Biology, 2019, 208, 107397.	1.3	10
10	MonoRes: Automatic and Accurate Estimation of Local Resolution for Electron Microscopy Maps. Structure, 2018, 26, 337-344.e4.	1.6	179
11	Using Scipion for stream image processing at cryo-EM facilities. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, a161-a161.	0.0	0
12	Quantitative analysis of 3D alignment quality: its impact on soft-validation, particle pruning and homogeneity analysis. Scientific Reports, 2017, 7, 6307.	1.6	15
13	A review of resolution measures and related aspects in 3D Electron Microscopy. Progress in Biophysics and Molecular Biology, 2017, 124, 1-30.	1.4	30
14	Acquisition of functions on the outer capsid surface during evolution of double-stranded RNA fungal viruses. PLoS Pathogens, 2017, 13, e1006755.	2.1	26
15	Fast and automatic identification of particle tilt pairs based on Delaunay triangulation. Journal of Structural Biology, 2016, 196, 525-533.	1.3	4
16	Denoising of high-resolution single-particle electron-microscopy density maps by their approximation using three-dimensional Gaussian functions. Journal of Structural Biology, 2016, 194, 423-433.	1.3	16
17	Local analysis of strains and rotations for macromolecular electron microscopy maps. Journal of Structural Biology, 2016, 195, 123-128.	1.3	9
18	Heterodimers as the Structural Unit of the T=1 Capsid of the Fungal Double-Stranded RNA Rosellinia necatrix Quadrivirus 1. Journal of Virology, 2016, 90, 11220-11230.	1.5	17

Josue Gomez-Blanco

#	Article	IF	CITATIONS
19	Foil-hole and data image quality assessment in 3DEM: Towards high-throughput image acquisition in the electron microscope. Journal of Structural Biology, 2016, 196, 515-524.	1.3	4
20	Asymmetric cryo-EM reconstruction of phage MS2 reveals genome structure in situ. Nature Communications, 2016, 7, 12524.	5.8	114
21	Scipion: A software framework toward integration, reproducibility and validation in 3D electron microscopy. Journal of Structural Biology, 2016, 195, 93-99.	1.3	474
22	Structural and functional insights into <i>Escherichia coli</i> α <sub>2</sub> -macroglobulin endopeptidase snap-trap inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8290-8295.	3.3	34
23	Structural Basis for the Development of Avian Virus Capsids That Display Influenza Virus Proteins and Induce Protective Immunity. Journal of Virology, 2015, 89, 2563-2574.	1.5	20
24	Cryo-EM near-atomic structure of a dsRNA fungal virus shows ancient structural motifs preserved in the dsRNA viral lineage. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7641-7646.	3.3	32
25	Chrysovirus Structure. Advances in Virus Research, 2013, 86, 87-108.	0.9	15
26	Semiautomatic, High-Throughput, High-Resolution Protocol for Three-Dimensional Reconstruction of Single Particles in Electron Microscopy. Methods in Molecular Biology, 2013, 950, 171-193.	0.4	25
27	Cryphonectria nitschkei Virus 1 Structure Shows that the Capsid Protein of Chrysoviruses Is a Duplicated Helix-Rich Fold Conserved in Fungal Double-Stranded RNA Viruses. Journal of Virology, 2012, 86, 8314-8318.	1.5	19
28	Epitope Insertion at the N-Terminal Molecular Switch of the Rabbit Hemorrhagic Disease Virus T=3 Capsid Protein Leads to Larger T=4 Capsids. Journal of Virology, 2012, 86, 6470-6480.	1.5	25