

Timothy Grant

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,589
citations

623734

14
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

4499
citing authors

#	ARTICLE	IF	CITATIONS
1	cisTEM, user-friendly software for single-particle image processing. <i>ELife</i> , 2018, 7, .	6.0	792
2	Measuring the optimal exposure for single particle cryo-EM using a 2.6 Å... reconstruction of rotavirus VP6. <i>ELife</i> , 2015, 4, e06980.	6.0	748
3	Structure of the L Protein of Vesicular Stomatitis Virus from Electron Cryomicroscopy. <i>Cell</i> , 2015, 162, 314-327.	28.9	211
4	Activation of NMDA receptors and the mechanism of inhibition by ifenprodil. <i>Nature</i> , 2016, 534, 63-68.	27.8	173
5	Automatic estimation and correction of anisotropic magnification distortion in electron microscopes. <i>Journal of Structural Biology</i> , 2015, 192, 204-208.	2.8	124
6	Ensemble cryo-EM uncovers inchworm-like translocation of a viral IRES through the ribosome. <i>ELife</i> , 2016, 5, .	6.0	116
7	Structural Mechanism of Functional Modulation by Gene Splicing in NMDA Receptors. <i>Neuron</i> , 2018, 98, 521-529.e3.	8.1	57
8	Structure and assembly of calcium homeostasis modulator proteins. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 150-159.	8.2	55
9	Locating macromolecular assemblies in cells by 2D template matching with cisTEM. <i>ELife</i> , 2021, 10, .	6.0	55
10	High-resolution cryo-EM structures of outbreak strain human norovirus shells reveal size variations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12828-12832.	7.1	53
11	Mechanism of ribosome rescue by ArfA and RF2. <i>ELife</i> , 2017, 6, .	6.0	50
12	In situ Structure of Rotavirus VP1 RNA-Dependent RNA Polymerase. <i>Journal of Molecular Biology</i> , 2019, 431, 3124-3138.	4.2	45
13	Three-dimensional structure determination of protein complexes using matrix-landing mass spectrometry. <i>Nature Communications</i> , 2022, 13, 2276.	12.8	31
14	CryoEM structures of open dimers of gyrase A in complex with DNA illuminate mechanism of strand passage. <i>ELife</i> , 2018, 7, .	6.0	26
15	Structural basis for Fullerene geometry in a human endogenous retrovirus capsid. <i>Nature Communications</i> , 2019, 10, 5822.	12.8	20
16	Neural networks learn the motions of molecular machines. <i>Nature Methods</i> , 2021, 18, 869-871.	19.0	5