

Rub n Fern ndez-Busnadiego

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,323
citations

361413

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454955

30
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42
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docs citations

42
times ranked

3297
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.	28.9	311
2	In Situ Architecture and Cellular Interactions of PolyQ Inclusions. <i>Cell</i> , 2017, 171, 179-187.e10.	28.9	271
3	Quantitative analysis of the native presynaptic cytomatrix by cryoelectron tomography. <i>Journal of Cell Biology</i> , 2010, 188, 145-156.	5.2	209
4	Stress- and ubiquitylation-dependent phase separation of the proteasome. <i>Nature</i> , 2020, 578, 296-300.	27.8	204
5	Three-dimensional architecture of extended synaptotagmin-mediated endoplasmic reticulumâ€“plasma membrane contact sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2004-13.	7.1	185
6	The cryo-electron microscopy structure of huntingtin. <i>Nature</i> , 2018, 555, 117-120.	27.8	125
7	Synucleins Have Multiple Effects on Presynaptic Architecture. <i>Cell Reports</i> , 2017, 18, 161-173.	6.4	120
8	Cryoâ€“electron tomography reveals a critical role of RIM1Î± in synaptic vesicle tethering. <i>Journal of Cell Biology</i> , 2013, 201, 725-740.	5.2	110
9	Epsin deficiency impairs endocytosis by stalling the actin-dependent invagination of endocytic clathrin-coated pits. <i>ELife</i> , 2014, 3, e03311.	6.0	101
10	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>Developmental Cell</i> , 2019, 51, 476-487.e7.	7.0	87
11	Molecular and structural architecture of polyQ aggregates in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3446-E3453.	7.1	68
12	In situ architecture of neuronal Î±-Synuclein inclusions. <i>Nature Communications</i> , 2021, 12, 2110.	12.8	66
13	Conformation of Pseudoazurin in the 152ÅkDa Electron Transfer Complex with Nitrite Reductase Determined by Paramagnetic NMR. <i>Journal of Molecular Biology</i> , 2008, 375, 1405-1415.	4.2	64
14	Cryoâ€“electron tomographyâ€“the cell biology that came in from the cold. <i>FEBS Letters</i> , 2017, 591, 2520-2533.	2.8	56
15	Dynamic instability of clathrin assembly provides proofreading control for endocytosis. <i>Journal of Cell Biology</i> , 2019, 218, 3200-3211.	5.2	41
16	Insights into the molecular organization of the neuron by cryo-electron tomography. <i>Microscopy (Oxford, England)</i> , 2011, 60, S137-S148.	1.5	35
17	Deciphering the molecular architecture of membrane contact sites by cryo-electron tomography. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1507-1512.	4.1	29
18	Cnm1 mediates nucleusâ€“mitochondria contact site formation in response to phospholipid levels. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	29

#	ARTICLE	IF	CITATIONS
19	Gel-like inclusions of C-terminal fragments of TDP43 sequester stalled proteasomes in neurons. <i>EMBO Reports</i> , 2022, 23, e53890.	4.5	28
20	Expression of DNAJB12 or DNAJB14 Causes Coordinate Invasion of the Nucleus by Membranes Associated with a Novel Nuclear Pore Structure. <i>PLoS ONE</i> , 2014, 9, e94322.	2.5	26
21	Hierarchical detection and analysis of macromolecular complexes in cryo-electron tomograms using Pyto software. <i>Journal of Structural Biology</i> , 2016, 196, 503-514.	2.8	26
22	Investigating the Structure of Neurotoxic Protein Aggregates Inside Cells. <i>Trends in Cell Biology</i> , 2020, 30, 951-966.	7.9	24
23	Reliable estimation of membrane curvature for cryo-electron tomography. <i>PLoS Computational Biology</i> , 2020, 16, e1007962.	3.2	23
24	Supramolecular architecture of endoplasmic reticulum-plasma membrane contact sites. <i>Biochemical Society Transactions</i> , 2016, 44, 534-540.	3.4	13
25	Amyloid-like aggregating proteins cause lysosomal defects in neurons via gain-of-function toxicity. <i>Life Science Alliance</i> , 2022, 5, e202101185.	2.8	13
26	The evolution of the huntingtin-associated protein 40 (HAP40) in conjunction with huntingtin. <i>BMC Evolutionary Biology</i> , 2020, 20, 162.	3.2	11
27	Pathological polyQ expansion does not alter the conformation of the Huntingtin-HAP40 complex. <i>Structure</i> , 2021, 29, 804-809.e5.	3.3	8
28	Lipoprotein-like particles in a prokaryote: quinone droplets of <i>Thermoplasma acidophilum</i> . <i>FEMS Microbiology Letters</i> , 2016, 363, fnw169.	1.8	4
29	Cryo-Electron Tomography of the Mammalian Synapse. <i>Methods in Molecular Biology</i> , 2018, 1847, 217-224.	0.9	3
30	Quantitative Synaptic Biology: A Perspective on Techniques, Numbers and Expectations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7298.	4.1	3
31	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
32	The Cell at Molecular Resolution. , 2012, , 141-183.		0
33	High-Resolution Insights Into Neurodegeneration. , 2018, , .		0