RubÃ©n FernÃ¡ndez-Busnadiego

List of Publications by Year
in descending order

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33 papers	2,323 citations	361045 20 h-index	454577 30 g-index
42 all docs	42 docs citations	42 times ranked	3297 citing authors

#	Article	IF	Citations
1	In Situ Structure of Neuronal C9orf72 Poly-GA Aggregates Reveals Proteasome Recruitment. Cell, 2018, 172, 696-705.e12.	13.5	311
2	In Situ Architecture and Cellular Interactions of PolyQ Inclusions. Cell, 2017, 171, 179-187.e10.	13.5	271
3	Quantitative analysis of the native presynaptic cytomatrix by cryoelectron tomography. Journal of Cell Biology, 2010, 188, 145-156.	2.3	209
4	Stress- and ubiquitylation-dependent phase separation of the proteasome. Nature, 2020, 578, 296-300.	13.7	204
5	Three-dimensional architecture of extended synaptotagmin-mediated endoplasmic reticulumâ€“plasma membrane contact sites. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2004-13.	3.3	185
6	The cryo-electron microscopy structure of huntingtin. Nature, 2018, 555, 117-120.	13.7	125
7	Synucleins Have Multiple Effects on Presynaptic Architecture. Cell Reports, 2017, 18, 161-173.	2.9	120
8	Cryoâ€“electron tomography reveals a critical role of RIM1Î± in synaptic vesicle tethering. Journal of Cell Biology, 2013, 201, 725-740.	2.3	110
9	Epsin deficiency impairs endocytosis by stalling the actin-dependent invagination of endocytic clathrin-coated pits. ELife, 2014, 3, e03311.	2.8	101
10	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. Developmental Cell, 2019, 51, 476-487.e7.	3.1	87
11	Molecular and structural architecture of polyQ aggregates in yeast. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3446-E3453.	3.3	68
12	In situ architecture of neuronal Î±-Synuclein inclusions. Nature Communications, 2021, 12, 2110.	5.8	66
13	Conformation of Pseudoazurin in the 152ÂkDa Electron Transfer Complex with Nitrite Reductase Determined by Paramagnetic NMR. Journal of Molecular Biology, 2008, 375, 1405-1415.	2.0	64
14	Cryoâ€electron tomographyâ€”the cell biology that came in from the cold. FEBS Letters, 2017, 591, 2520-2533.	1.3	56
15	Dynamic instability of clathrin assembly provides proofreading control for endocytosis. Journal of Cell Biology, 2019, 218, 3200-3211.	2.3	41
16	Insights into the molecular organization of the neuron by cryo-electron tomography. Microscopy (Oxford, England), 2011, 60, S137-S148.	0.7	35
17	Deciphering the molecular architecture of membrane contact sites by cryo-electron tomography. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1507-1512.	1.9	29
18	Cnm1 mediates nucleusâ€“mitochondria contact site formation in response to phospholipid levels. Journal of Cell Biology, 2021, 220, .	2.3	29

#	Article	IF	Citations
19	Gelâ€like inclusions of Câ€terminal fragments of TDPâ€43 sequester stalled proteasomes in neurons. EMBO Reports, 2022, 23, e53890.	2.0	28
20	Expression of DNAJB12 or DNAJB14 Causes Coordinate Invasion of the Nucleus by Membranes Associated with a Novel Nuclear Pore Structure. PLoS ONE, 2014, 9, e94322.	1.1	26
21	Hierarchical detection and analysis of macromolecular complexes in cryo-electron tomograms using Pyto software. Journal of Structural Biology, 2016, 196, 503-514.	1.3	26
22	Investigating the Structure of Neurotoxic Protein Aggregates Inside Cells. Trends in Cell Biology, 2020, 30, 951-966.	3.6	24
23	Reliable estimation of membrane curvature for cryo-electron tomography. PLoS Computational Biology, 2020, 16, e1007962.	1.5	23
24	Supramolecular architecture of endoplasmic reticulumâ€“plasma membrane contact sites. Biochemical Society Transactions, 2016, 44, 534-540.	1.6	13
25	Amyloid-like aggregating proteins cause lysosomal defects in neurons via gain-of-function toxicity. Life Science Alliance, 2022, 5, e202101185.	1.3	13
26	The evolution of the huntingtin-associated protein 40 (HAP40) in conjunction with huntingtin. BMC Evolutionary Biology, 2020, 20, 162.	3.2	11
27	Pathological polyQ expansion does not alter the conformation of the Huntingtin-HAP40 complex. Structure, 2021, 29, 804-809.e5.	1.6	8
28	Lipoprotein-like particles in a prokaryote: quinone droplets ofThermoplasma acidophilum. FEMS Microbiology Letters, 2016, 363, fnw169.	0.7	4
29	Cryo-Electron Tomography of the Mammalian Synapse. Methods in Molecular Biology, 2018, 1847, 217-224.	0.4	3
30	Quantitative Synaptic Biology: A Perspective on Techniques, Numbers and Expectations. International Journal of Molecular Sciences, 2020, 21, 7298.	1.8	3
31	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. SSRN Electronic Journal, 0, , .	0.4	2
32	The Cell at Molecular Resolution. , 2012, , 141-183.		0
33	High-Resolution Insights Into Neurodegeneration. , 2018, , .		0