RubÃ©n FernÃ¡ndez-Busnadiego

List of Publications by Year
in descending order

33 papers	2,323 citations	361413 20 h-index	454955 30 g-index
42 all docs	42 docs citations	42 times ranked	3297 citing authors

#	Article	IF	Citations
1	Amyloid-like aggregating proteins cause lysosomal defects in neurons via gain-of-function toxicity. Life Science Alliance, 2022, 5, e202101185.	2.8	13
2	Gelâ€like inclusions of Câ€terminal fragments of TDPâ€43 sequester stalled proteasomes in neurons. EMBO Reports, 2022, 23, e53890.	4.5	28
3	In situ architecture of neuronal Î±-Synuclein inclusions. Nature Communications, 2021, 12, 2110.	12.8	66
4	Pathological polyQ expansion does not alter the conformation of the Huntingtin-HAP40 complex. Structure, 2021, 29, 804-809.e5.	3.3	8
5	Cnm1 mediates nucleusâ€“mitochondria contact site formation in response to phospholipid levels. Journal of Cell Biology, 2021, 220, .	5.2	29
6	Investigating the Structure of Neurotoxic Protein Aggregates Inside Cells. Trends in Cell Biology, 2020, 30, 951-966.	7.9	24
7	Reliable estimation of membrane curvature for cryo-electron tomography. PLoS Computational Biology, 2020, 16, e1007962.	3.2	23
8	The evolution of the huntingtin-associated protein 40 (HAP40) in conjunction with huntingtin. BMC Evolutionary Biology, 2020, 20, 162.	3.2	11
9	Quantitative Synaptic Biology: A Perspective on Techniques, Numbers and Expectations. International Journal of Molecular Sciences, 2020, 21, 7298.	4.1	3
10	Stress- and ubiquitylation-dependent phase separation of the proteasome. Nature, 2020, 578, 296-300.	27.8	204
11	Dynamic instability of clathrin assembly provides proofreading control for endocytosis. Journal of Cell Biology, 2019, 218, 3200-3211.	5.2	41
12	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. Developmental Cell, 2019, 51, 476-487.e7.	7.0	87
13	The cryo-electron microscopy structure of huntingtin. Nature, 2018, 555, 117-120.	27.8	125
14	In Situ Structure of Neuronal C9orf72 Poly-GA Aggregates Reveals Proteasome Recruitment. Cell, 2018, 172, 696-705.e12.	28.9	311
15	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.	7.1	68
16	Cryo-Electron Tomography of the Mammalian Synapse. Methods in Molecular Biology, 2018, 1847, 217-224.	0.9	3
17	High-Resolution Insights Into Neurodegeneration. , 2018, , .		0
18	Deciphering the molecular architecture of membrane contact sites by cryo-electron tomography. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1507-1512.	4.1	29

#	Article	IF	Citations
19	Synucleins Have Multiple Effects on Presynaptic Architecture. Cell Reports, 2017, 18, 161-173.	6.4	120
20	In Situ Architecture and Cellular Interactions of PolyQ Inclusions. Cell, 2017, 171, 179-187.e10.	28.9	271
21	Cryoâ€electron tomographyâ€”the cell biology that came in from the cold. FEBS Letters, 2017, 591, 2520-2533.	2.8	56
22	Lipoprotein-like particles in a prokaryote: quinone droplets ofThermoplasma acidophilum. FEMS Microbiology Letters, 2016, 363, fnw169.	1.8	4
23	Supramolecular architecture of endoplasmic reticulumâ€“plasma membrane contact sites. Biochemical Society Transactions, 2016, 44, 534-540.	3.4	13
24	Hierarchical detection and analysis of macromolecular complexes in cryo-electron tomograms using Pyto software. Journal of Structural Biology, 2016, 196, 503-514.	2.8	26
25	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.	7.1	185
26	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.	2.5	26
27	Epsin deficiency impairs endocytosis by stalling the actin-dependent invagination of endocytic clathrin-coated pits. ELife, 2014, 3, e03311.	6.0	101
28	Cryoâ€“electron tomography reveals a critical role of RIM1Î± in synaptic vesicle tethering. Journal of Cell Biology, 2013, 201, 725-740.	5.2	110
29	The Cell at Molecular Resolution. , 2012, , 141-183.		0
30	Insights into the molecular organization of the neuron by cryo-electron tomography. Microscopy (Oxford, England), 2011, 60, S137-S148.	1.5	35
31	Quantitative analysis of the native presynaptic cytomatrix by cryoelectron tomography. Journal of Cell Biology, 2010, 188, 145-156.	5.2	209
32	Conformation of Pseudoazurin in the 152ÂkDa Electron Transfer Complex with Nitrite Reductase Determined by Paramagnetic NMR. Journal of Molecular Biology, 2008, 375, 1405-1415.	4.2	64
33	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. SSRN Electronic Journal, 0, , .	0.4	2