

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

361045

20
h-index

454577

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. <i>Life Science Alliance</i> , 2022, 5, e202101185. | 1.3 | 13 |
| 2 | Gelâ€like inclusions of Câ€terminal fragments of TDPâ€43 sequester stalled proteasomes in neurons. <i>EMBO Reports</i> , 2022, 23, e53890. | 2.0 | 28 |
| 3 | In situ architecture of neuronal Î±-Synuclein inclusions. <i>Nature Communications</i> , 2021, 12, 2110. | 5.8 | 66 |
| 4 | Pathological polyQ expansion does not alter the conformation of the Huntingtin-HAP40 complex. <i>Structure</i> , 2021, 29, 804-809.e5. | 1.6 | 8 |
| 5 | Cnm1 mediates nucleusâ€mitochondria contact site formation in response to phospholipid levels. <i>Journal of Cell Biology</i> , 2021, 220, . | 2.3 | 29 |
| 6 | Investigating the Structure of Neurotoxic Protein Aggregates Inside Cells. <i>Trends in Cell Biology</i> , 2020, 30, 951-966. | 3.6 | 24 |
| 7 | Reliable estimation of membrane curvature for cryo-electron tomography. <i>PLoS Computational Biology</i> , 2020, 16, e1007962. | 1.5 | 23 |
| 8 | The evolution of the huntingtin-associated protein 40 (HAP40) in conjunction with huntingtin. <i>BMC Evolutionary Biology</i> , 2020, 20, 162. | 3.2 | 11 |
| 9 | Quantitative Synaptic Biology: A Perspective on Techniques, Numbers and Expectations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7298. | 1.8 | 3 |
| 10 | Stress- and ubiquitylation-dependent phase separation of the proteasome. <i>Nature</i> , 2020, 578, 296-300. | 13.7 | 204 |
| 11 | Dynamic instability of clathrin assembly provides proofreading control for endocytosis. <i>Journal of Cell Biology</i> , 2019, 218, 3200-3211. | 2.3 | 41 |
| 12 | Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>Developmental Cell</i> , 2019, 51, 476-487.e7. | 3.1 | 87 |
| 13 | The cryo-electron microscopy structure of huntingtin. <i>Nature</i> , 2018, 555, 117-120. | 13.7 | 125 |
| 14 | In Situ Structure of Neuronal C9orf72 Poly-GA Aggregates Reveals Proteasome Recruitment. <i>Cell</i> , 2018, 172, 696-705.e12. | 13.5 | 311 |
| 15 | 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. | 3.3 | 68 |
| 16 | Cryo-Electron Tomography of the Mammalian Synapse. <i>Methods in Molecular Biology</i> , 2018, 1847, 217-224. | 0.4 | 3 |
| 17 | High-Resolution Insights Into Neurodegeneration. , 2018, , . | | 0 |
| 18 | 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. | 1.9 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Synucleins Have Multiple Effects on Presynaptic Architecture. <i>Cell Reports</i> , 2017, 18, 161-173. | 2.9 | 120 |
| 20 | In Situ Architecture and Cellular Interactions of PolyQ Inclusions. <i>Cell</i> , 2017, 171, 179-187.e10. | 13.5 | 271 |
| 21 | Cryo-electron tomography—the cell biology that came in from the cold. <i>FEBS Letters</i> , 2017, 591, 2520-2533. | 1.3 | 56 |
| 22 | Lipoprotein-like particles in a prokaryote: quinone droplets of <i>Thermoplasma acidophilum</i> . <i>FEMS Microbiology Letters</i> , 2016, 363, fnw169. | 0.7 | 4 |
| 23 | Supramolecular architecture of endoplasmic reticulum-plasma membrane contact sites. <i>Biochemical Society Transactions</i> , 2016, 44, 534-540. | 1.6 | 13 |
| 24 | Hierarchical detection and analysis of macromolecular complexes in cryo-electron tomograms using Pyto software. <i>Journal of Structural Biology</i> , 2016, 196, 503-514. | 1.3 | 26 |
| 25 | Three-dimensional architecture of extended synaptotagmin-mediated endoplasmic reticulum-plasma membrane contact sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2004-13. | 3.3 | 185 |
| 26 | 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. | 1.1 | 26 |
| 27 | Epsin deficiency impairs endocytosis by stalling the actin-dependent invagination of endocytic clathrin-coated pits. <i>ELife</i> , 2014, 3, e03311. | 2.8 | 101 |
| 28 | Cryo-electron tomography reveals a critical role of RIM1 \pm in synaptic vesicle tethering. <i>Journal of Cell Biology</i> , 2013, 201, 725-740. | 2.3 | 110 |
| 29 | The Cell at Molecular Resolution. , 2012, , 141-183. | | 0 |
| 30 | Insights into the molecular organization of the neuron by cryo-electron tomography. <i>Microscopy (Oxford, England)</i> , 2011, 60, S137-S148. | 0.7 | 35 |
| 31 | Quantitative analysis of the native presynaptic cytomatrix by cryoelectron tomography. <i>Journal of Cell Biology</i> , 2010, 188, 145-156. | 2.3 | 209 |
| 32 | Conformation of Pseudoazurin in the 152 kDa Electron Transfer Complex with Nitrite Reductase Determined by Paramagnetic NMR. <i>Journal of Molecular Biology</i> , 2008, 375, 1405-1415. | 2.0 | 64 |
| 33 | Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 2 |