

Guillermo LÃ³pez-DomÃ©nech

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,307
citations

567281

15
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

2643
citing authors

#	ARTICLE	IF	CITATIONS
1	Miro proteins coordinate microtubule- and actin-dependent mitochondrial transport and distribution. <i>EMBO Journal</i> , 2018, 37, 321-336.	7.8	222
2	Loss of Dendritic Complexity Precedes Neurodegeneration in a Mouse Model with Disrupted Mitochondrial Distribution in Mature Dendrites. <i>Cell Reports</i> , 2016, 17, 317-327.	6.4	144
3	Miro clusters regulate ER-mitochondria contact sites and link cristae organization to the mitochondrial transport machinery. <i>Nature Communications</i> , 2019, 10, 4399.	12.8	119
4	Miro1 Regulates Activity-Driven Positioning of Mitochondria within Astrocytic Processes Apposed to Synapses to Regulate Intracellular Calcium Signaling. <i>Journal of Neuroscience</i> , 2015, 35, 15996-16011.	3.6	110
5	Autism and Schizophrenia-Associated CYFIP1 Regulates the Balance of Synaptic Excitation and Inhibition. <i>Cell Reports</i> , 2019, 26, 2037-2051.e6.	6.4	107
6	Mitochondrial trafficking in neurons and the role of the Miro family of GTPase proteins. <i>Biochemical Society Transactions</i> , 2013, 41, 1525-1531.	3.4	91
7	An Essential Role for the Tetraspanin LHFPL4 in the Cell-Type-Specific Targeting and Clustering of Synaptic GABA A Receptors. <i>Cell Reports</i> , 2017, 21, 70-83.	6.4	85
8	The Eutherian <i>Armcx</i> genes regulate mitochondrial trafficking in neurons and interact with Miro and Trak2. <i>Nature Communications</i> , 2012, 3, 814.	12.8	84
9	Podocalyxin Is a Novel Polysialylated Neural Adhesion Protein with Multiple Roles in Neural Development and Synapse Formation. <i>PLoS ONE</i> , 2010, 5, e12003.	2.5	75
10	Axonal autophagosome maturation defect through failure of ATG9A sorting underpins pathology in AP-4 deficiency syndrome. <i>Autophagy</i> , 2020, 16, 391-407.	9.1	59
11	<i>GSK3β</i> Is Involved in the Relief of Mitochondria Pausing in a Tau-Dependent Manner. <i>PLoS ONE</i> , 2011, 6, e27686.	2.5	44
12	Peroxisomal fission is modulated by the mitochondrial Rho GTPases, Miro1 and Miro2. <i>EMBO Reports</i> , 2020, 21, e49865.	4.5	42
13	Loss of neuronal Miro1 disrupts mitophagy and induces hyperactivation of the integrated stress response. <i>EMBO Journal</i> , 2021, 40, e100715.	7.8	36
14	The Non-Canonical Wnt/PKC Pathway Regulates Mitochondrial Dynamics through Degradation of the Arm-Like Domain-Containing Protein Alex3. <i>PLoS ONE</i> , 2013, 8, e67773.	2.5	25
15	NP1 Regulates Neuronal Activity-Dependent Accumulation of BAX in Mitochondria and Mitochondrial Dynamics. <i>Journal of Neuroscience</i> , 2012, 32, 1453-1466.	3.6	23
16	Miro1-dependent mitochondrial dynamics in parvalbumin interneurons. <i>ELife</i> , 2021, 10, .	6.0	13
17	A collection of cDNAs enriched in upper cortical layers of the embryonic mouse brain. <i>Molecular Brain Research</i> , 2004, 122, 133-150.	2.3	10