

Alexandra

List of Publications by Citations

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22
papers

1,687
citations

14
h-index

22
g-index

22
ext. papers

1,930
ext. citations

9.1
avg, IF

4.61
L-index

#	Paper	IF	Citations
22	The Physiology, Pathology, and Pharmacology of Voltage-Gated Calcium Channels and Their Future Therapeutic Potential. <i>Pharmacological Reviews</i> , 2015 , 67, 821-70	22.5	562
21	alpha 1D (Cav1.3) subunits can form l-type Ca ²⁺ channels activating at negative voltages. <i>Journal of Biological Chemistry</i> , 2001 , 276, 22100-6	5.4	356
20	C-terminal modulator controls Ca ²⁺ -dependent gating of Ca(v)1.4 L-type Ca ²⁺ channels. <i>Nature Neuroscience</i> , 2006 , 9, 1108-16	25.5	118
19	Cav1.4alpha1 subunits can form slowly inactivating dihydropyridine-sensitive L-type Ca ²⁺ channels lacking Ca ²⁺ -dependent inactivation. <i>Journal of Neuroscience</i> , 2003 , 23, 6041-9	6.6	113
18	Modulation of voltage- and Ca ²⁺ -dependent gating of CaV1.3 L-type calcium channels by alternative splicing of a C-terminal regulatory domain. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20733-44	5.4	105
17	Functional properties of a newly identified C-terminal splice variant of Cav1.3 L-type Ca ²⁺ channels. <i>Journal of Biological Chemistry</i> , 2011 , 286, 42736-42748	5.4	97
16	Congenital stationary night blindness type 2 mutations S229P, G369D, L1068P, and W1440X alter channel gating or functional expression of Ca(v)1.4 L-type Ca ²⁺ channels. <i>Journal of Neuroscience</i> , 2005 , 25, 252-9	6.6	73
15	Voltage-Gated Calcium Channels: Key Players in Sensory Coding in the Retina and the Inner Ear. <i>Physiological Reviews</i> , 2018 , 98, 2063-2096	47.9	50
14	Cav1.4 IT mouse as model for vision impairment in human congenital stationary night blindness type 2. <i>Channels</i> , 2013 , 7, 503-13	3	44
13	Cell-type-specific tuning of Cav1.3 Ca ²⁺ -channels by a C-terminal automodulatory domain. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 309	6.1	32
12	Effects of congenital stationary night blindness type 2 mutations R508Q and L1364H on Cav1.4 L-type Ca ²⁺ channel function and expression. <i>Journal of Neurochemistry</i> , 2006 , 96, 1648-58	6	28
11	What can naturally occurring mutations tell us about Ca(v)1.x channel function?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1598-607	3.8	23
10	Spectrum of Cav1.4 dysfunction in congenital stationary night blindness type 2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 2053-65	3.8	21
9	Gain-of-function nature of Cav1.4 L-type calcium channels alters firing properties of mouse retinal ganglion cells. <i>Channels</i> , 2015 , 9, 298-306	3	17
8	Relevance of tissue specific subunit expression in channelopathies. <i>Neuropharmacology</i> , 2018 , 132, 58-70	9.5	10
7	Impact of gating modulation in CaV1.3 L-type calcium channels. <i>Channels</i> , 2010 , 4, 523-5	3	10
6	A New Splicing Isoform of Cacna2d4 Mimicking the Effects of c.2451insC Mutation in the Retina: Novel Molecular and Electrophysiological Insights 2015 , 56, 4846-56		8

5	Protein kinase N1 critically regulates cerebellar development and long-term function. <i>Journal of Clinical Investigation</i> , 2018 , 128, 2076-2088	15.9	7
4	Cav1.4 dysfunction and congenital stationary night blindness type 2. <i>Pflugers Archiv European Journal of Physiology</i> , 2021 , 473, 1437-1454	4.6	5
3	Function of cone and cone-related pathways in Ca1.4 IT mice. <i>Scientific Reports</i> , 2021 , 11, 2732	4.9	4
2	Assessment of the Retina of Plp-ESyn Mice as a Model for Studying Synuclein-Dependent Diseases 2020 , 61, 12		3
1	Knockout of Ca1.3 L-type calcium channels in a mouse model of retinitis pigmentosa. <i>Scientific Reports</i> , 2021 , 11, 15146	4.9	1