Arnaud Monteil

List of Publications by Year in descending order

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Version: 2024-02-01

40 papers	3,204 citations	236925 25 h-index	302126 39 g-index
46 all docs	46 docs citations	46 times ranked	3519 citing authors

#	Article	IF	Citations
1	A sodium background conductance controls the spiking pattern of mouse adrenal chromaffin cells in situ. Journal of Physiology, 2021, 599, 1855-1883.	2.9	14
2	The sodium leak channel NALCN regulates cell excitability of pituitary endocrine cells. FASEB Journal, 2021, 35, e21400.	0.5	6
3	The Voltage-Gated Sodium Channel Beta4 Subunit Maintains Epithelial Phenotype in Mammary Cells. Cells, 2021, 10, 1624.	4.1	2
4	Sodium background currents in endocrine/neuroendocrine cells: Towards unraveling channel identity and contribution in hormone secretion. Frontiers in Neuroendocrinology, 2021, 63, 100947.	5.2	10
5	Neuronal Cav3 channelopathies: recent progress and perspectives. Pflugers Archiv European Journal of Physiology, 2020, 472, 831-844.	2.8	41
6	Functional expression of CLIFAHDD and IHPRF pathogenic variants of the NALCN channel in neuronal cells reveals both gain- and loss-of-function properties. Scientific Reports, 2019, 9, 11791.	3.3	26
7	Cav3.2 T-type calcium channels shape electrical firing in mouse Lamina II neurons. Scientific Reports, 2019, 9, 3112.	3.3	45
8	Interferon-inducible protein (IFI) 16 regulates Chikungunya and Zika virus infection in human skin fibroblasts. EXCLI Journal, 2019, 18, 467-476.	0.7	13
9	Calmodulin regulates Cav3 T-type channels at their gating brake. Journal of Biological Chemistry, 2017, 292, 20010-20031.	3.4	29
10	De Novo Mutations in NALCN Cause a Syndrome Characterized by Congenital Contractures of the Limbs and Face, Hypotonia, and Developmental Delay. American Journal of Human Genetics, 2015, 96, 462-473.	6.2	124
11	Inhibition of Cav3.2 T-type Calcium Channels by Its Intracellular I-II Loop. Journal of Biological Chemistry, 2015, 290, 16168-16176.	3.4	10
12	A Recurrent Mutation in CACNA1G Alters Cav3.1 T-Type Calcium-Channel Conduction and Causes Autosomal-Dominant Cerebellar Ataxia. American Journal of Human Genetics, 2015, 97, 726-737.	6.2	87
13	Gd3+ and Calcium Sensitive, Sodium Leak Currents Are Features of Weak Membrane-Glass Seals in Patch Clamp Recordings. PLoS ONE, 2014, 9, e98808.	2.5	18
14	The sodium leak channel, NALCN, in health and disease. Frontiers in Cellular Neuroscience, 2014, 8, 132.	3.7	116
15	NALCN Ion Channels Have Alternative Selectivity Filters Resembling Calcium Channels or Sodium Channels. PLoS ONE, 2013, 8, e55088.	2.5	40
16	A Cav3.2/Syntaxin-1A Signaling Complex Controls T-type Channel Activity and Low-threshold Exocytosis. Journal of Biological Chemistry, 2012, 287, 2810-2818.	3.4	110
17	The NALCN ion channel is a new actor in pancreatic Î²-cell physiology. Islets, 2010, 2, 54-56.	1.8	17
18	Regulation of T-type calcium channels: Signalling pathways and functional implications. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 947-952.	4.1	62

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19	The NALCN ion channel is activated by M3 muscarinic receptors in a pancreatic Î²â€cell line. EMBO Reports, 2009, 10, 873-880.	4.5	116
20	The multifunctional protein GC1q-R interacts specifically with the i3 loop arginine cluster of the vasopressin V2 receptor. Regulatory Peptides, 2008, 148, 76-87.	1.9	4
21	A Destructive Interaction Mechanism Accounts for Dominant-Negative Effects of Misfolded Mutants of Voltage-Gated Calcium Channels. Journal of Neuroscience, 2008, 28, 4501-4511.	3.6	71
22	Molecular Basis of Cav2.3 Calcium Channels in Rat Nociceptive Neurons. Journal of Biological Chemistry, 2007, 282, 4757-4764.	3.4	44
23	The Sodium â€œLeakâ€•Has Finally Been Plugged. Neuron, 2007, 54, 505-507.	8.1	32
24	Mutational analysis ofCACNA1Gin idiopathic generalized epilepsy. Human Mutation, 2007, 28, 524-525.	2.5	83
25	Determinants of the differential gating properties of Cav3.1 and Cav3.3 T-type channels: A role of domain IV?. Neuroscience, 2006, 143, 717-728.	2.3	22
26	Properties and role of voltage-dependent calcium channels during mouse skeletal muscle differentiation. Journal of Muscle Research and Cell Motility, 2006, 27, 75-81.	2.0	27
27	Voltage-gated calcium channels in genetic diseases. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1169-1174.	4.1	67
28	Silencing of the Cav3.2 T-type calcium channel gene in sensory neurons demonstrates its major role in nociception. EMBO Journal, 2005, 24, 315-324.	7.8	388
29	Post-Genomic Insights into T-Type Calcium Channel Functions in Neurons. , 2005, , 326-333.		0
30	SpÃ©cificitÃ©s fonctionnelles des canaux calciques de type T et leurs rÃ1es dans la diffÃ©renciation neuronale. SociÃ©tÃ© De Biologie Journal, 2003, 197, 235-247.	0.3	7
31	Î± 1H mRNA in single skeletal muscle fibres accounts for Tâ€type calcium current transient expression during fetal development in mice. Journal of Physiology, 2002, 539, 681-691.	2.9	55
32	Specific contribution of human Tâ€type calcium channel isotypes (Î±_{1G}, Î±_{1H} and) Tj ETQq0 0 0 rgBT /Overloc	2.9	203
33	Direct inhibition of T-type calcium channels by the endogenous cannabinoid anandamide. EMBO Journal, 2001, 20, 7033-7040.	7.8	244
34	Alternatively Spliced Î±1G (CaV3.1) Intracellular Loops Promote Specific T-Type Ca2+ Channel Gating Properties. Biophysical Journal, 2001, 80, 1238-1250.	0.5	126
35	The Î±1IT-type calcium channel exhibits faster gating properties when overexpressed in neuroblastoma/glioma NG 108-15 cells. European Journal of Neuroscience, 2001, 14, 1678-1686.	2.6	44
36	T-type calcium currents in rat cardiomyocytes during postnatal development: contribution to hormone secretion. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2540-H2548.	3.2	80

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37	Specific Properties of T-type Calcium Channels Generated by the Human Î±1I Subunit. Journal of Biological Chemistry, 2000, 275, 16530-16535.	3.4	124
38	Molecular and Functional Properties of the Human Î±1G Subunit That Forms T-type Calcium Channels. Journal of Biological Chemistry, 2000, 275, 6090-6100.	3.4	209
39	Overexpression of Tâ€type calcium channels in HEKâ€293 cells increases intracellular calcium without affecting cellular proliferation. FEBS Letters, 2000, 478, 166-172.	2.8	94
40	Splicing of Î±1A subunit gene generates phenotypic variants of P- and Q-type calcium channels. Nature Neuroscience, 1999, 2, 407-415.	14.8	393