Madeline Nieves-Cintron

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8107871/publications.pdf

Version: 2024-02-01

41 papers	2,216 citations	304368 22 h-index	344852 36 g-index
47 all docs	47 docs citations	47 times ranked	2841 citing authors

#	Article	IF	Citations
1	Deciphering cellular signals in adult mouse sinoatrial node cells. IScience, 2022, 25, 103693.	1.9	4
2	Cellular and molecular effects of hyperglycemia on ion channels in vascular smooth muscle. Cellular and Molecular Life Sciences, 2021, 78, 31-61.	2.4	25
3	Secondhand Smoke Exposure Impairs Ion Channel Function and Contractility of Mesenteric Arteries. Function, 2021, 2, zqab041.	1.1	7
4	S1928 Phosphorylation Tunes Vascular Lâ€type Channel Ca _V 1.2 and Arterial Function during Angiotensin II Signaling and Hypertension. FASEB Journal, 2021, 35, .	0.2	0
5	AKAP5 complex facilitates purinergic modulation of vascular L-type Ca2+ channel CaV1.2. Nature Communications, 2020, 11, 5303.	5.8	22
6	Ion Channels and Their Regulation in Vascular Smooth Muscle. , 2020, , .		0
7	Î±â€Actininâ€1 promotes activity of the Lâ€type Ca ²⁺ channel Ca _v 1.2. EMBO Journal, 2020, 39, e102622.	3.5	20
8	TRPML1ng on sparks. Science Signaling, 2020, 13, .	1.6	1
9	GRK5 Controls SAP97-Dependent Cardiotoxic Î² ₁ Adrenergic Receptor-CaMKII Signaling in Heart Failure. Circulation Research, 2020, 127, 796-810.	2.0	16
10	Purinergic Signaling During Hyperglycemia in Vascular Smooth Muscle Cells. Frontiers in Endocrinology, 2020, 11, 329.	1.5	14
11	Adenylyl cyclase 5â€“generated cAMP controls cerebral vascular reactivity during diabetic hyperglycemia. Journal of Clinical Investigation, 2019, 129, 3140-3152.	3.9	35
12	A Gs-coupled purinergic receptor boosts Ca2+ influx and vascular contractility during diabetic hyperglycemia. ELife, 2019, 8, .	2.8	33
13	Î²-blockers augment L-type Ca2+ channel activity by targeting spatially restricted Î²2AR signaling in neurons. ELife, 2019, 8, .	2.8	12
14	Functionally distinct and selectively phosphorylated GPCR subpopulations co-exist in a single cell. Nature Communications, 2018, 9, 1050.	5.8	28
15	Regulation of voltageâ€gated potassium channels in vascular smooth muscle during hypertension and metabolic disorders. Microcirculation, 2018, 25, e12423.	1.0	50
16	Dynamic L-type CaV1.2 channel trafficking facilitates CaV1.2 clustering and cooperative gating. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1341-1355.	1.9	29
17	Anchored G_sâ€coupled purinergic receptor regulation of Lâ€type Ca_V1.2 and vascular tone in diabetic hyperglycemia. FASEB Journal, 2018, 32, 569.10.	0.2	0
18	Dynamic Lâ€type Ca V 1.2 channel trafficking facilitates Ca V 1.2 clustering and cooperative gating. FASEB Journal, 2018, 32, 751.1.	0.2	0

#	Article	IF	Citations
19	Ser ¹⁹²⁸ phosphorylation by PKA stimulates the L-type Ca ²⁺ channel Ca _V 1.2 and vasoconstriction during acute hyperglycemia and diabetes. Science Signaling, 2017, 10, .	1.6	85
20	Predominant contribution of L-type Cav1.2 channel stimulation to impaired intracellular calcium and cerebral artery vasoconstriction in diabetic hyperglycemia. Channels, 2017, 11, 340-346.	1.5	16
21	Phosphorylation of Ser ¹⁹²⁸ mediates the enhanced activity of the L-type Ca ²⁺ channel Ca _v 1.2 by the Î² ₂ -adrenergic receptor in neurons. Science Signaling, 2017, 10, .	1.6	91
22	Impaired BKCa channel function in native vascular smooth muscle from humans with type 2 diabetes. Scientific Reports, 2017, 7, 14058.	1.6	31
23	AKAP150 participates in calcineurin/NFAT activation during the down-regulation of voltage-gated K+ currents in ventricular myocytes following myocardial infarction. Cellular Signalling, 2016, 28, 733-740.	1.7	23
24	Selective Down-regulation of KV2.1 Function Contributes to Enhanced Arterial Tone during Diabetes. Journal of Biological Chemistry, 2015, 290, 7918-7929.	1.6	30
25	Arterial Smooth Muscle Mitochondria Amplify Hydrogen Peroxide Microdomains Functionally Coupled to L-Type Calcium Channels. Circulation Research, 2015, 117, 1013-1023.	2.0	28
26	AKAP150 Contributes to Enhanced Vascular Tone by Facilitating Large-Conductance Ca ²⁺ -Activated K ⁺ Channel Remodeling in Hyperglycemia and Diabetes Mellitus. Circulation Research, 2014, 114, 607-615.	2.0	86
27	Capturing single L-type Ca2+ channel function with optics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1657-1664.	1.9	11
28	AKAP150 is required for NFATc3â€induced vascular BKCa channel suppression during diabetic hypertension. FASEB Journal, 2012, 26, 872.26.	0.2	0
29	Mitochondrial Targeted Antioxidant Peptide Ameliorates Hypertensive Cardiomyopathy. Journal of the American College of Cardiology, 2011, 58, 73-82.	1.2	314
30	Mitochondrial Oxidative Stress Mediates Angiotensin IIâ€“Induced Cardiac Hypertrophy and GÎ±q Overexpressionâ€“Induced Heart Failure. Circulation Research, 2011, 108, 837-846.	2.0	450
31	Restoration of Normal L-Type Ca ²⁺ Channel Function During Timothy Syndrome by Ablation of an Anchoring Protein. Circulation Research, 2011, 109, 255-261.	2.0	93
32	Elevated Ca²⁺ sparklet activity during acute hyperglycemia and diabetes in cerebral arterial smooth muscle cells. American Journal of Physiology - Cell Physiology, 2010, 298, C211-C220.	2.1	80
33	TGF-Î²1 Limits Plaque Growth, Stabilizes Plaque Structure, and Prevents Aortic Dilation in Apolipoprotein E-Null Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1251-1257.	1.1	86
34	NFATc3-dependent loss of Ito gradient across the left ventricular wall during chronic Î² adrenergic stimulation. Journal of Molecular and Cellular Cardiology, 2009, 46, 249-256.	0.9	33
35	Functional contribution of Î±3L8â€² to the neuronal nicotinic Î±3 receptor. Journal of Neuroscience Research, 2008, 86, 2884-2894.	1.3	0
36	CALCIUM SPARKLETS IN ARTERIAL SMOOTH MUSCLE. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 1121-1126.	0.9	32

#	Article	IF	Citations
37	The control of Ca ²⁺ influx and NFATc3 signaling in arterial smooth muscle during hypertension. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15623-15628.	3.3	94
38	AKAP150 Is Required for Stuttering Persistent Ca ²⁺ Sparklets and Angiotensin IIâ€“Induced Hypertension. Circulation Research, 2008, 102, e1-e11.	2.0	120
39	Activation of NFATc3 Down-regulates the Î²1 Subunit of Large Conductance, Calcium-activated K+ Channels in Arterial Smooth Muscle and Contributes to Hypertension. Journal of Biological Chemistry, 2007, 282, 3231-3240.	1.6	113
40	Calcium sparklets regulate local and global calcium in murine arterial smooth muscle. Journal of Physiology, 2007, 579, 187-201.	1.3	85
41	Contribution of valine 7â€² of TMD2 to gating of neuronal Î±3 receptor subtypes. Journal of Neuroscience Research, 2006, 84, 1778-1788.	1.3	3