# Madeline Nieves-Cintron

List of Publications by Year
in descending order



| 41 | 2,216 | 304602 | 345118 |
|---|---|---|---|
| papers | citations | 22 h-index | 36 g-index |

| 47 | 47 | 47 | 2841 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Mitochondrial Targeted Antioxidant Peptide Ameliorates Hypertensive Cardiomyopathy. Journal of the American College of Cardiology, 2011, 58, 73-82. | 1.2 | 314 |
| 3 | AKAP150 Is Required for Stuttering Persistent Ca <sup>2+</sup> Sparklets and Angiotensin IIâ€“Induced Hypertension. Circulation Research, 2008, 102, e1-e11. | 2.0 | 120 |
| 4 | 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 |
| 5 | The control of Ca <sup>2+</sup> 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 |
| 6 | Restoration of Normal L-Type Ca <sup>2+</sup> Channel Function During Timothy Syndrome by Ablation of an Anchoring Protein. Circulation Research, 2011, 109, 255-261. | 2.0 | 93 |
| 7 | Phosphorylation of Ser <sup>1928</sup> mediates the enhanced activity of the L-type Ca <sup>2+</sup> channel Ca <sub>v</sub> 1.2 by the Î² <sub>2</sub> -adrenergic receptor in neurons. Science Signaling, 2017, 10, . | 1.6 | 91 |
| 8 | 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 |
| 9 | AKAP150 Contributes to Enhanced Vascular Tone by Facilitating Large-Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel Remodeling in Hyperglycemia and Diabetes Mellitus. Circulation Research, 2014, 114, 607-615. | 2.0 | 86 |
| 10 | Calcium sparklets regulate local and global calcium in murine arterial smooth muscle. Journal of Physiology, 2007, 579, 187-201. | 1.3 | 85 |
| 11 | Ser <sup>1928</sup> phosphorylation by PKA stimulates the L-type Ca <sup>2+</sup> channel Ca <sub>V</sub> 1.2 and vasoconstriction during acute hyperglycemia and diabetes. Science Signaling, 2017, 10, . | 1.6 | 85 |
| 12 | Elevated Ca<sup>2+</sup> 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 |
| 13 | Regulation of voltageâ€gated potassium channels in vascular smooth muscle during hypertension and metabolic disorders. Microcirculation, 2018, 25, e12423. | 1.0 | 50 |
| 14 | Adenylyl cyclase 5â€“generated cAMP controls cerebral vascular reactivity during diabetic hyperglycemia. Journal of Clinical Investigation, 2019, 129, 3140-3152. | 3.9 | 35 |
| 15 | 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 |
| 16 | A Gs-coupled purinergic receptor boosts Ca2+ influx and vascular contractility during diabetic hyperglycemia. ELife, 2019, 8, . | 2.8 | 33 |
| 17 | CALCIUM SPARKLETS IN ARTERIAL SMOOTH MUSCLE. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 1121-1126. | 0.9 | 32 |
| 18 | Impaired BKCa channel function in native vascular smooth muscle from humans with type 2 diabetes. Scientific Reports, 2017, 7, 14058. | 1.6 | 31 |

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|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | Arterial Smooth Muscle Mitochondria Amplify Hydrogen Peroxide Microdomains Functionally Coupled to L-Type Calcium Channels. Circulation Research, 2015, 117, 1013-1023. | 2.0 | 28 |
| 22 | Functionally distinct and selectively phosphorylated GPCR subpopulations co-exist in a single cell. Nature Communications, 2018, 9, 1050. | 5.8 | 28 |
| 23 | 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 |
| 24 | 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 |
| 25 | AKAP5 complex facilitates purinergic modulation of vascular L-type Ca2+ channel CaV1.2. Nature Communications, 2020, 11, 5303. | 5.8 | 22 |
| 26 | Î±â€Actininâ€1 promotes activity of the Lâ€type Ca <sup>2+</sup> channel Ca <sub>v</sub> 1.2. EMBO Journal, 2020, 39, e102622. | 3.5 | 20 |
| 27 | 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 |
| 28 | GRK5 Controls SAP97-Dependent Cardiotoxic Î² <sub>1</sub> Adrenergic Receptor-CaMKII Signaling in Heart Failure. Circulation Research, 2020, 127, 796-810. | 2.0 | 16 |
| 29 | Purinergic Signaling During Hyperglycemia in Vascular Smooth Muscle Cells. Frontiers in Endocrinology, 2020, 11, 329. | 1.5 | 14 |
| 30 | Î²-blockers augment L-type Ca2+ channel activity by targeting spatially restricted Î²2AR signaling in neurons. ELife, 2019, 8, . | 2.8 | 12 |
| 31 | Capturing single L-type Ca2+ channel function with optics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1657-1664. | 1.9 | 11 |
| 32 | Secondhand Smoke Exposure Impairs Ion Channel Function and Contractility of Mesenteric Arteries. Function, 2021, 2, zqab041. | 1.1 | 7 |
| 33 | Deciphering cellular signals in adult mouse sinoatrial node cells. IScience, 2022, 25, 103693. | 1.9 | 4 |
| 34 | 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 |
| 35 | TRPML1ng on sparks. Science Signaling, 2020, 13, . | 1.6 | 1 |
| 36 | Functional contribution of Î±3L8â€² to the neuronal nicotinic Î±3 receptor. Journal of Neuroscience Research, 2008, 86, 2884-2894. | 1.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Ion Channels and Their Regulation in Vascular Smooth Muscle. , 2020, , . | | 0 |
| 38 | S1928 Phosphorylation Tunes Vascular Lâ€type Channel Ca <sub>V</sub> 1.2 and Arterial Function during Angiotensin II Signaling and Hypertension. FASEB Journal, 2021, 35, . | 0.2 | 0 |
| 39 | AKAP150 is required for NFATc3â€induced vascular BKCa channel suppression during diabetic hypertension. FASEB Journal, 2012, 26, 872.26. | 0.2 | 0 |
| 40 | Anchored G<sub>s</sub>â€coupled purinergic receptor regulation of Lâ€type Ca<sub>V</sub>1.2 and vascular tone in diabetic hyperglycemia. FASEB Journal, 2018, 32, 569.10. | 0.2 | 0 |
| 41 | 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 |