Shanna Hamilton

List of Publications by Year
in descending order

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33 papers	433 citations	758635 12 h-index	887659 17 g-index
33 all docs	33 docs citations	33 times ranked	546 citing authors

#	Article	IF	Citations
1	Increased RyR2 activity is exacerbated by calcium leak-induced mitochondrial ROS. Basic Research in Cardiology, 2020, 115, 38.	2.5	73
2	Altered Intracellular Calcium Homeostasis and Arrhythmogenesis in the Aged Heart. International Journal of Molecular Sciences, 2019, 20, 2386.	1.8	60
3	SK Channel Enhancers Attenuate Ca ²⁺ -Dependent Arrhythmia in Hypertrophic Hearts by Regulating Mito-ROS-Dependent Oxidation and Activity of RyR.. Cardiovascular Research, 2017, 113, cvx005.	1.8	45
4	Pharmacological Modulation of Mitochondrial Ca2+ Content Regulates Sarcoplasmic Reticulum Ca2+ Release via Oxidation of the Ryanodine Receptor by Mitochondria-Derived Reactive Oxygen Species. Frontiers in Physiology, 2018, 9, 1831.	1.3	42
5	Proarrhythmic Remodeling of Calcium Homeostasis in Cardiac Disease; Implications for Diabetes and Obesity. Frontiers in Physiology, 2018, 9, 1517.	1.3	37
6	Regulation of sarcoplasmic reticulum Ca2+ release by serine-threonine phosphatases in the heart. Journal of Molecular and Cellular Cardiology, 2016, 101, 156-164.	0.9	31
7	Interleukin-1Î², Oxidative Stress, and Abnormal Calcium Handling Mediate Diabetic Arrhythmic Risk. JACC Basic To Translational Science, 2021, 6, 42-52.	1.9	25
8	Comparison of Performance Characteristics of Aspergillus PCR in Testing a Range of Blood-Based Samples in Accordance with International Methodological Recommendations. Journal of Clinical Microbiology, 2016, 54, 705-711.	1.8	24
9	PKA phosphorylation underlies functional recruitment of sarcolemmal SK2 channels in ventricular myocytes from hypertrophic hearts. Journal of Physiology, 2020, 598, 2847-2873.	1.3	23
10	Sarcoplasmic reticulum-mitochondria communication; implications for cardiac arrhythmia. Journal of Molecular and Cellular Cardiology, 2021, 156, 105-113.	0.9	16
11	MCU overexpression evokes disparate dose-dependent effects on mito-ROS and spontaneous Ca²⁺ release in hypertrophic rat cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H615-H632.	1.5	16
12	Ero1Î±-Dependent ERp44 Dissociation From RyR2 Contributes to Cardiac Arrhythmia. Circulation Research, 2022, 130, 711-724.	2.0	16
13	The role of calcium homeostasis remodeling in inherited cardiac arrhythmia syndromes. Pflugers Archiv European Journal of Physiology, 2021, 473, 377-387.	1.3	14
14	Impact of ISK Voltage and Ca2+/Mg2+-Dependent Rectification on Cardiac Repolarization. Biophysical Journal, 2020, 119, 690-704.	0.2	5
15	RyR2 Gain-of-Function and Not So Sudden Cardiac Death. Circulation Research, 2021, 129, 417-419.	2.0	4
16	PKA-Dependent Phosphorylation of Mitochondrial SK2 Channels Regulates Mitochondrial Calcium Uptake in Ventricular Cardiomyocytes. Biophysical Journal, 2020, 118, 328a.	0.2	1
17	Mitochondrial Calcium Uniporter Overexpression Exacerbates Arrhythmogenic Calcium Mishandling in Diseased Rat Ventricular Myocytes. Biophysical Journal, 2021, 120, 149a.	0.2	1
18	Fundamental Gating Defects of Sudden Cardiac Death-Linked Mutant Cardiac Ryanodine Receptors Determine Ca2+ Release Dynamics in Cells. Biophysical Journal, 2016, 110, 451a.	0.2	0

#	Article	IF	Citations
19	Facilitation of SK Channel Activity via Inhibition OF PYK2-Dependent Tyrosine Phosphorylation Alleviates Ventricular Tachyarrhythmia in Cardiac Hypertrophy. Biophysical Journal, 2018, 114, 383a-384a.	0.2	0
20	PKA-Dependent Phosphorylation Underlies Functional Upregulation of SK Channels in Ventricular Myocytes From Hypertrophic Hearts. Biophysical Journal, 2018, 114, 305a.	0.2	0
21	Biphasic Ca2+ Regulation of SK Channels in Ventricular Cardiomyocytes Maximizes Their Conductance during a Late Phase of the Action Potential. Biophysical Journal, 2019, 116, 235a-236a.	0.2	0
22	Mitochondrial Gain-Of-Function BKCa Channel Attenuates Mitochondrial Dysfunction Associated with Hypoxic Injury. Biophysical Journal, 2019, 116, 268a.	0.2	0
23	Pharmacological Modulation of Mitochondrial Ca2+ Uptake Regulates Sarcoplasmic Reticulum Ca2+ Release via Oxidation of Ryanodine Receptor by Reactive Oxygen Species. Biophysical Journal, 2019, 116, 382a.	0.2	0
24	Role of SK Current Rectification in Shaping Action Potential of Ventricular Cardiomyocytes. Biophysical Journal, 2020, 118, 253a.	0.2	0
25	Inhibition of Tyrosine Kinase Pyk2 in Hypertrophic Hearts: Cellular Mechanisms of Anti-Arrhythmic Effects. Biophysical Journal, 2020, 118, 566a.	0.2	0
26	Hyperactivity of RyR2 in Cardiac Disease is Exacerbated by Calcium Leak-Induced Mitochondrial ROS. Biophysical Journal, 2020, 118, 255a-256a.	0.2	0
27	Aged Diabetic Mice Exhibit Diastolic Dysfuntion Associated with Alterations in Myocardial Mitochondrial Oxidative Phosphorylation Protein Expression and Complex Assemblies. Biophysical Journal, 2020, 118, 447a.	0.2	0
28	The Sarcoplasmic Reticulum Oxidoreductase System Modulates Luminal Ca2+ Regulation of the Ryanodine Receptor in Cardiac Disease. Biophysical Journal, 2021, 120, 239a.	0.2	0
29	Prohibitin Overexpression Promotes Opa1 Cleavage, Reduces ROS and Improves Respiration Post Hypoxia. Biophysical Journal, 2021, 120, 349a.	0.2	0
30	Defective Mitochondria Electron Transport Chain Supercomplex Assembly Underlies Abnormal Ca2+ Release in Rat Myocytes from Hypertrophic Hearts. Biophysical Journal, 2021, 120, 151a.	0.2	0
31	Mitochondrial calpain inhibition restores defective SR-mitochondrial crosstalk in CPVT rat myocytes. Journal of General Physiology, 2022, 154, .	0.9	0
32	Profibrotic stimuli induce compartment-specific remodeling of intracellular calcium handling in cardiac fibroblasts. Biophysical Journal, 2022, 121, 374a.	0.2	0
33	A novel mitochondrial associated membrane chloride channel, clic4, in cardio-protection from ischemia-reperfusion injury. Biophysical Journal, 2022, 121, 511a.	0.2	0