

Shanna Hamilton

List of Publications by Year in descending order

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33
papers

433
citations

758635

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h-index

887659

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33
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial calpain inhibition restores defective SR-mitochondrial crosstalk in CPVT rat myocytes. <i>Journal of General Physiology</i> , 2022, 154, .	0.9	0
2	Ero1 \pm -Dependent ERp44 Dissociation From RyR2 Contributes to Cardiac Arrhythmia. <i>Circulation Research</i> , 2022, 130, 711-724.	2.0	16
3	Profibrotic stimuli induce compartment-specific remodeling of intracellular calcium handling in cardiac fibroblasts. <i>Biophysical Journal</i> , 2022, 121, 374a.	0.2	0
4	A novel mitochondrial associated membrane chloride channel, clic4, in cardio-protection from ischemia-reperfusion injury. <i>Biophysical Journal</i> , 2022, 121, 511a.	0.2	0
5	The role of calcium homeostasis remodeling in inherited cardiac arrhythmia syndromes. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 377-387.	1.3	14
6	Interleukin-1 β , Oxidative Stress, and Abnormal Calcium Handling Mediate Diabetic Arrhythmic Risk. <i>JACC Basic To Translational Science</i> , 2021, 6, 42-52.	1.9	25
7	Mitochondrial Calcium Uniporter Overexpression Exacerbates Arrhythmogenic Calcium Mishandling in Diseased Rat Ventricular Myocytes. <i>Biophysical Journal</i> , 2021, 120, 149a.	0.2	1
8	The Sarcoplasmic Reticulum Oxidoreductase System Modulates Luminal Ca ²⁺ Regulation of the Ryanodine Receptor in Cardiac Disease. <i>Biophysical Journal</i> , 2021, 120, 239a.	0.2	0
9	Prohibitin Overexpression Promotes Opa1 Cleavage, Reduces ROS and Improves Respiration Post Hypoxia. <i>Biophysical Journal</i> , 2021, 120, 349a.	0.2	0
10	Defective Mitochondria Electron Transport Chain Supercomplex Assembly Underlies Abnormal Ca ²⁺ Release in Rat Myocytes from Hypertrophic Hearts. <i>Biophysical Journal</i> , 2021, 120, 151a.	0.2	0
11	Sarcoplasmic reticulum-mitochondria communication; implications for cardiac arrhythmia. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 156, 105-113.	0.9	16
12	RyR2 Gain-of-Function and Not So Sudden Cardiac Death. <i>Circulation Research</i> , 2021, 129, 417-419.	2.0	4
13	MCU overexpression evokes disparate dose-dependent effects on mito-ROS and spontaneous Ca ²⁺ release in hypertrophic rat cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H615-H632.	1.5	16
14	PKA phosphorylation underlies functional recruitment of sarcolemmal SK2 channels in ventricular myocytes from hypertrophic hearts. <i>Journal of Physiology</i> , 2020, 598, 2847-2873.	1.3	23
15	PKA-Dependent Phosphorylation of Mitochondrial SK2 Channels Regulates Mitochondrial Calcium Uptake in Ventricular Cardiomyocytes. <i>Biophysical Journal</i> , 2020, 118, 328a.	0.2	1
16	Role of SK Current Rectification in Shaping Action Potential of Ventricular Cardiomyocytes. <i>Biophysical Journal</i> , 2020, 118, 253a.	0.2	0
17	Inhibition of Tyrosine Kinase Pyk2 in Hypertrophic Hearts: Cellular Mechanisms of Anti-Arrhythmic Effects. <i>Biophysical Journal</i> , 2020, 118, 566a.	0.2	0
18	Increased RyR2 activity is exacerbated by calcium leak-induced mitochondrial ROS. <i>Basic Research in Cardiology</i> , 2020, 115, 38.	2.5	73

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19	Hyperactivity of RyR2 in Cardiac Disease is Exacerbated by Calcium Leak-Induced Mitochondrial ROS. <i>Biophysical Journal</i> , 2020, 118, 255a-256a.	0.2	0
20	Aged Diabetic Mice Exhibit Diastolic Dysfunction Associated with Alterations in Myocardial Mitochondrial Oxidative Phosphorylation Protein Expression and Complex Assemblies. <i>Biophysical Journal</i> , 2020, 118, 447a.	0.2	0
21	Impact of ISK Voltage and Ca ²⁺ /Mg ²⁺ -Dependent Rectification on Cardiac Repolarization. <i>Biophysical Journal</i> , 2020, 119, 690-704.	0.2	5
22	Biphasic Ca ²⁺ Regulation of SK Channels in Ventricular Cardiomyocytes Maximizes Their Conductance during a Late Phase of the Action Potential. <i>Biophysical Journal</i> , 2019, 116, 235a-236a.	0.2	0
23	Altered Intracellular Calcium Homeostasis and Arrhythmogenesis in the Aged Heart. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2386.	1.8	60
24	Mitochondrial Gain-Of-Function BKCa Channel Attenuates Mitochondrial Dysfunction Associated with Hypoxic Injury. <i>Biophysical Journal</i> , 2019, 116, 268a.	0.2	0
25	Pharmacological Modulation of Mitochondrial Ca ²⁺ Uptake Regulates Sarcoplasmic Reticulum Ca ²⁺ Release via Oxidation of Ryanodine Receptor by Reactive Oxygen Species. <i>Biophysical Journal</i> , 2019, 116, 382a.	0.2	0
26	Facilitation of SK Channel Activity via Inhibition OF PYK2-Dependent Tyrosine Phosphorylation Alleviates Ventricular Tachyarrhythmia in Cardiac Hypertrophy. <i>Biophysical Journal</i> , 2018, 114, 383a-384a.	0.2	0
27	PKA-Dependent Phosphorylation Underlies Functional Upregulation of SK Channels in Ventricular Myocytes From Hypertrophic Hearts. <i>Biophysical Journal</i> , 2018, 114, 305a.	0.2	0
28	Proarrhythmic Remodeling of Calcium Homeostasis in Cardiac Disease; Implications for Diabetes and Obesity. <i>Frontiers in Physiology</i> , 2018, 9, 1517.	1.3	37
29	Pharmacological Modulation of Mitochondrial Ca ²⁺ Content Regulates Sarcoplasmic Reticulum Ca ²⁺ Release via Oxidation of the Ryanodine Receptor by Mitochondria-Derived Reactive Oxygen Species. <i>Frontiers in Physiology</i> , 2018, 9, 1831.	1.3	42
30	SK Channel Enhancers Attenuate Ca ²⁺ -Dependent Arrhythmia in Hypertrophic Hearts by Regulating Mito-ROS-Dependent Oxidation and Activity of RyR. <i>Cardiovascular Research</i> , 2017, 113, cvx005.	1.8	45
31	Regulation of sarcoplasmic reticulum Ca ²⁺ release by serine-threonine phosphatases in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 101, 156-164.	0.9	31
32	Comparison of Performance Characteristics of Aspergillus PCR in Testing a Range of Blood-Based Samples in Accordance with International Methodological Recommendations. <i>Journal of Clinical Microbiology</i> , 2016, 54, 705-711.	1.8	24
33	Fundamental Gating Defects of Sudden Cardiac Death-Linked Mutant Cardiac Ryanodine Receptors Determine Ca ²⁺ Release Dynamics in Cells. <i>Biophysical Journal</i> , 2016, 110, 451a.	0.2	0