

AngÃ©lica Rueda

List of Publications by Year in descending order

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papers

871
citations

516215

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43
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1389
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Ca ²⁺ Sensitivity of the Ryanodine Receptor Mutant RyR2 ^{R4496C} Underlies Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation Research</i> , 2009, 104, 201-209.	2.0	137
2	Sorcin Inhibits Calcium Release and Modulates Excitation-Contraction Coupling in the Heart. <i>Journal of Biological Chemistry</i> , 2003, 278, 34660-34666.	1.6	101
3	Mineralocorticoid Modulation of Cardiac Ryanodine Receptor Activity Is Associated With Downregulation of FK506-Binding Proteins. <i>Circulation</i> , 2009, 119, 2179-2187.	1.6	88
4	Calcium signaling in diabetic cardiomyocytes. <i>Cell Calcium</i> , 2014, 56, 372-380.	1.1	59
5	Molecular basis for the impaired function of the natural F112L sorcin mutant: X-ray crystal structure, calcium affinity, and interaction with annexin VII and the ryanodine receptor. <i>FASEB Journal</i> , 2008, 22, 295-306.	0.2	40
6	Palmitic acid but not palmitoleic acid induces insulin resistance in a human endothelial cell line by decreasing SERCA pump expression. <i>Cellular Signalling</i> , 2016, 28, 53-59.	1.7	37
7	Abnormal Ca ²⁺ Spark/STOC Coupling in Cerebral Artery Smooth Muscle Cells of Obese Type 2 Diabetic Mice. <i>PLoS ONE</i> , 2013, 8, e53321.	1.1	34
8	Ca ²⁺ handling alterations and vascular dysfunction in diabetes. <i>Cell Calcium</i> , 2014, 56, 397-407.	1.1	32
9	Reconciling depressed Ca ²⁺ sparks occurrence with enhanced RyR2 activity in failing mice cardiomyocytes. <i>Journal of General Physiology</i> , 2015, 146, 295-306.	0.9	28
10	TRPV4 Regulates Tight Junctions and Affects Differentiation in a Cell Culture Model of the Corneal Epithelium. <i>Journal of Cellular Physiology</i> , 2017, 232, 1794-1807.	2.0	27
11	NOD1, a new player in cardiac function and calcium handling. <i>Cardiovascular Research</i> , 2015, 106, 375-386.	1.8	26
12	Enhanced Klotho availability protects against cardiac dysfunction induced by uraemic cardiomyopathy by regulating Ca ²⁺ handling. <i>British Journal of Pharmacology</i> , 2020, 177, 4701-4719.	2.7	24
13	Ryanodine receptors in smooth muscle. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, d1676-1688.	3.0	19
14	Ryanodine receptors as leak channels. <i>European Journal of Pharmacology</i> , 2014, 739, 26-38.	1.7	18
15	Regulation of cardiac excitation-contraction coupling by sorcin, a novel modulator of ryanodine receptors. <i>Biological Research</i> , 2004, 37, 609-12.	1.5	17
16	Luminal Ca ²⁺ and the activity of sarcoplasmic reticulum Ca ²⁺ pumps modulate histamine-induced all-or-none Ca ²⁺ release in smooth muscle cells. <i>Cellular Signalling</i> , 2002, 14, 517-527.	1.7	16
17	Sorcin modulation of Ca ²⁺ sparks in rat vascular smooth muscle cells. <i>Journal of Physiology</i> , 2006, 576, 887-901.	1.3	16
18	Impaired Activity of Ryanodine Receptors Contributes to Calcium Mishandling in Cardiomyocytes of Metabolic Syndrome Rats. <i>Frontiers in Physiology</i> , 2019, 10, 520.	1.3	16

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19	The initial inositol 1,4,5-trisphosphate response induced by histamine is strongly amplified by Ca ²⁺ release from internal stores in smooth muscle. <i>Cell Calcium</i> , 2002, 31, 161-173.	1.1	15
20	Complex effects of ryanodine on the sarcoplasmic reticulum Ca ²⁺ levels in smooth muscle cells. <i>Cell Calcium</i> , 2005, 38, 121-130.	1.1	15
21	Specific Activation of the Alternative Cardiac Promoter of <i>Cacna1c</i> by the Mineralocorticoid Receptor. <i>Circulation Research</i> , 2018, 122, e49-e61.	2.0	15
22	Metabolic syndrome diminishes insulin-induced Akt activation and causes a redistribution of Akt-interacting proteins in cardiomyocytes. <i>PLoS ONE</i> , 2020, 15, e0228115.	1.1	14
23	RyRCa ²⁺ Leak Limits Cardiac Ca ²⁺ Window Current Overcoming the Tonic Effect of Calmodulin in Mice. <i>PLoS ONE</i> , 2011, 6, e20863.	1.1	11
24	Ca ²⁺ mishandling in heart failure: Potential targets. <i>Acta Physiologica</i> , 2021, 232, e13691.	1.8	11
25	Basic and Clinical Insights in Catecholaminergic (Familial) Polymorphic Ventricular Tachycardia. <i>Revista De Investigacion Clinica</i> , 2019, 71, 226-236.	0.2	9
26	Increased calcium leak associated with reduced calsequestrin expression in hyperthyroid cardiomyocytes. <i>Cell Calcium</i> , 2017, 62, 29-40.	1.1	7
27	Ryanodine receptors in smooth muscle. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, d1676.	3.0	5
28	Acute Administration of Chitosan Nanoparticles Increases Ca ²⁺ Leak in Rat Cardiomyocytes. <i>Journal of Nano Research</i> , 2014, 28, 29-38.	0.8	5
29	Genetic Deletion of NOD1 Prevents Cardiac Ca ²⁺ Mishandling Induced by Experimental Chronic Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8868.	1.8	5
30	Autonomous activation of CaMKII exacerbates diastolic calcium leak during beta-adrenergic stimulation in cardiomyocytes of metabolic syndrome rats. <i>Cell Calcium</i> , 2020, 91, 102267.	1.1	5
31	TRPV4 activity regulates nuclear Ca ²⁺ and transcriptional functions of β -catenin in a renal epithelial cell model. <i>Journal of Cellular Physiology</i> , 2021, 236, 3599-3614.	2.0	5
32	Impaired Function of Cardiac Ryanodine Receptors in An Experimental Model of Metabolic Syndrome. <i>Biophysical Journal</i> , 2010, 98, 106a-107a.	0.2	2
33	Tale of two kinases: Protein kinase A and Ca ²⁺ /calmodulin-dependent protein kinase II in pre-diabetic cardiomyopathy. <i>World Journal of Diabetes</i> , 2021, 12, 1704-1718.	1.3	2
34	Mineralocorticoid Receptor in Calcium Handling of Vascular Smooth Muscle Cells. , 2018, , .		1
35	Aldosterone-Induced Sarco/Endoplasmic Reticulum Ca ²⁺ Pump Upregulation Counterbalances Cav1.2-Mediated Ca ²⁺ Influx in Mesenteric Arteries. <i>Frontiers in Physiology</i> , 2022, 13, 834220.	1.3	1
36	RyR(R4496C) Mutant Mice Model Reveals a New Paradigm on Local Ca ²⁺ Control of I _{CaL} . <i>Biophysical Journal</i> , 2011, 100, 571a.	0.2	0

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37	Increased Serca Pump Expression is Associated with Slow Termination of Calcium Sparks and Delayed Local Recovery in Vascular Smooth Muscle Cells of Hyperthyroid Rats. <i>Biophysical Journal</i> , 2014, 106, 321a.	0.2	0
38	Enhanced RyR2 Channel Activity but Reduced Ca ²⁺ Spark Occurrence In Failing Mice Cardiomyocytes. <i>Biophysical Journal</i> , 2016, 110, 267a-268a.	0.2	0
39	Cardiac CaV1.2 Signature Induced by Mineralocorticoid in Vessels. <i>Biophysical Journal</i> , 2018, 114, 627a.	0.2	0
40	Editorial: Evolving Picture of Calcium Handling in Cardiac Disease. <i>Frontiers in Physiology</i> , 2020, 11, 1013.	1.3	0
41	SUN-080 Diminished Akt Activation and Interaction with 14-3-3 σ is Associated with Insulin Resistance in Cardiomyocytes of Metabolic Syndrome Rats. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.1	0