Ang Guo

List of Publications by Year
in descending order

33 papers	2,041 citations	331670 21 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	2311 citing authors

#	Article	IF	Citations
1	T-Tubule Remodeling During Transition From Hypertrophy to Heart Failure. Circulation Research, 2010, 107, 520-531.	4.5	343
2	Carvedilol and its new analogs suppress arrhythmogenic store overloadâ€“induced Ca2+ release. Nature Medicine, 2011, 17, 1003-1009.	30.7	216
3	The ryanodine receptor store-sensing gate controls Ca2+ waves and Ca2+-triggered arrhythmias. Nature Medicine, 2014, 20, 184-192.	30.7	172
4	Emerging mechanisms of T-tubule remodelling in heart failure. Cardiovascular Research, 2013, 98, 204-215.	3.8	147
5	Microtubule-Mediated Defects in Junctophilin-2 Trafficking Contribute to Myocyte Transverse-Tubule Remodeling and Ca ²⁺ Handling Dysfunction in Heart Failure. Circulation, 2014, 129, 1742-1750.	1.6	116
6	Analysis of Cardiac Myocyte Maturation Using CASAAV, a Platform for Rapid Dissection of Cardiac Myocyte Gene Function In Vivo. Circulation Research, 2017, 120, 1874-1888.	4.5	106
7	Critical roles of junctophilin-2 in T-tubule and excitationâ€“contraction coupling maturation during postnatal development. Cardiovascular Research, 2013, 100, 54-62.	3.8	89
8	Sildenafil Prevents and Reverses Transverse-Tubule Remodeling and Ca ²⁺ Handling Dysfunction in Right Ventricle Failure Induced by Pulmonary Artery Hypertension. Hypertension, 2012, 59, 355-362.	2.7	84
9	Overexpression of junctophilin-2 does not enhance baseline function but attenuates heart failure development after cardiac stress. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12240-12245.	7.1	80
10	E-C coupling structural protein junctophilin-2 encodes a stress-adaptive transcription regulator. Science, 2018, 362, .	12.6	78
11	Phospholamban Knockout Breaks Arrhythmogenic Ca ²⁺ Waves and Suppresses Catecholaminergic Polymorphic Ventricular Tachycardia in Mice. Circulation Research, 2013, 113, 517-526.	4.5	65
12	Î²â€Adrenergic receptor antagonists ameliorate myocyte Tâ€tubule remodeling following myocardial infarction. FASEB Journal, 2012, 26, 2531-2537.	0.5	63
13	AutoTT: Automated Detection and Analysis of T-Tubule Architecture in Cardiomyocytes. Biophysical Journal, 2014, 106, 2729-2736.	0.5	63
14	Molecular Determinants of Calpain-dependent Cleavage of Junctophilin-2 Protein in Cardiomyocytes. Journal of Biological Chemistry, 2015, 290, 17946-17955.	3.4	57
15	Novel insights on the relationship between T-tubular defects and contractile dysfunction in a mouse model of hypertrophic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2016, 91, 42-51.	1.9	52
16	Targeting Calpain for Heart FailureÂTherapy. JACC Basic To Translational Science, 2018, 3, 503-517.	4.1	41
17	In Situ Confocal Imaging in Intact Heart Reveals Stress-Induced Ca ²⁺ Release Variability in a Murine Catecholaminergic Polymorphic Ventricular Tachycardia Model of Type 2 Ryanodine Receptor ^{R4496C+/â˜’} Mutation. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 841-849.	4.8	35
18	Regional distribution of T-tubule density in left and right atria in dogs. Heart Rhythm, 2017, 14, 273-281.	0.7	32

#	Article	IF	Citations
19	Suppression of ryanodine receptor function prolongs Ca2+ release refractoriness and promotes cardiac alternans in intact hearts. Biochemical Journal, 2016, 473, 3951-3964.	3.7	28
20	Calsequestrin Accumulation in Rough Endoplasmic Reticulum Promotes Perinuclear Ca2+ Release. Journal of Biological Chemistry, 2012, 287, 16670-16680.	3.4	27
21	In situ single photon confocal imaging of cardiomyocyte T-tubule system from Langendorff-perfused hearts. Frontiers in Physiology, 2015, 6, 134.	2.8	25
22	Sildenafil ameliorates left ventricular T-tubule remodeling in a pressure overload-induced murine heart failure model. Acta Pharmacologica Sinica, 2016, 37, 473-482.	6.1	19
23	MG53 is dispensable for T-tubule maturation but critical for maintaining T-tubule integrity following cardiac stress. Journal of Molecular and Cellular Cardiology, 2017, 112, 123-130.	1.9	17
24	Ca2+ removal mechanisms in mouse embryonic stem cell-derived cardiomyocytes. American Journal of Physiology - Cell Physiology, 2009, 297, C732-C741.	4.6	16
25	The cardiac ryanodine receptor luminal Ca2+ sensor governs Ca2+ waves, ventricular tachyarrhythmias and cardiac hypertrophy in calsequestrin-null mice. Biochemical Journal, 2014, 461, 99-106.	3.7	16
26	Cholesterol is required for maintaining T-tubule integrity and intercellular connections at intercalated discs in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2016, 97, 204-212.	1.9	15
27	Ablation of the GNB3 gene in mice does not affect body weight, metabolism or blood pressure, but causes bradycardia. Cellular Signalling, 2014, 26, 2514-2520.	3.6	14
28	Transient activation of PKC results in long-lasting detrimental effects on systolic [Ca2+]i in cardiomyocytes by altering actin cytoskeletal dynamics and T-tubule integrity. Journal of Molecular and Cellular Cardiology, 2018, 115, 104-114.	1.9	7
29	Preservation of the pHi during ischemia via PKC by intermittent hypoxia. Biochemical and Biophysical Research Communications, 2007, 356, 329-333.	2.1	6
30	MicroRNA. Circulation Research, 2012, 111, 816-818.	4.5	5
31	Sequence determinants of human junctophilin-2 protein nuclear localization and phase separation. Biochemical and Biophysical Research Communications, 2021, 563, 79-84.	2.1	4
32	Cytokine receptor gp130 promotes postnatal proliferation of cardiomyocytes required for the normal functional development of the heart. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H103-H120.	3.2	3
33	A Luminal Calcium Sensing Mutation of the Cardiac Ryanodine Receptor Diminishes Calcium Waves and Stress -Induced Ventricular Tachycardias in Calsequestrin Null Mice. Biophysical Journal, 2013, 104, 441a.	0.5	0