Ang Guo

List of Publications by Year
in descending order

33 papers	2,041 citations	331538 21 h-index	414303 32 g-index
34 all docs	34 docs citations	34 times ranked	2311 citing authors

#	Article	IF	Citations
1	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.	1.5	3
2	Sequence determinants of human junctophilin-2 protein nuclear localization and phase separation. Biochemical and Biophysical Research Communications, 2021, 563, 79-84.	1.0	4
3	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.	0.9	7
4	E-C coupling structural protein junctophilin-2 encodes a stress-adaptive transcription regulator. Science, 2018, 362, .	6.0	78
5	Targeting Calpain for Heart FailureÂTherapy. JACC Basic To Translational Science, 2018, 3, 503-517.	1.9	41
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.	2.0	106
7	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.	0.9	17
8	Regional distribution of T-tubule density in left and right atria in dogs. Heart Rhythm, 2017, 14, 273-281.	0.3	32
9	Suppression of ryanodine receptor function prolongs Ca2+ release refractoriness and promotes cardiac alternans in intact hearts. Biochemical Journal, 2016, 473, 3951-3964.	1.7	28
10	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.	0.9	15
11	Sildenafil ameliorates left ventricular T-tubule remodeling in a pressure overload-induced murine heart failure model. Acta Pharmacologica Sinica, 2016, 37, 473-482.	2.8	19
12	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.	0.9	52
13	In situ single photon confocal imaging of cardiomyocyte T-tubule system from Langendorff-perfused hearts. Frontiers in Physiology, 2015, 6, 134.	1.3	25
14	Molecular Determinants of Calpain-dependent Cleavage of Junctophilin-2 Protein in Cardiomyocytes. Journal of Biological Chemistry, 2015, 290, 17946-17955.	1.6	57
15	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
16	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.	1.7	16
17	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.	3.3	80
18	The ryanodine receptor store-sensing gate controls Ca2+ waves and Ca2+-triggered arrhythmias. Nature Medicine, 2014, 20, 184-192.	15.2	172

#	Article	IF	Citations
19	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.	1.7	14
20	AutoTT: Automated Detection and Analysis of T-Tubule Architecture in Cardiomyocytes. Biophysical Journal, 2014, 106, 2729-2736.	0.2	63
21	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.	0.2	0
22	Phospholamban Knockout Breaks Arrhythmogenic Ca ²⁺ Waves and Suppresses Catecholaminergic Polymorphic Ventricular Tachycardia in Mice. Circulation Research, 2013, 113, 517-526.	2.0	65
23	Emerging mechanisms of T-tubule remodelling in heart failure. Cardiovascular Research, 2013, 98, 204-215.	1.8	147
24	Critical roles of junctophilin-2 in T-tubule and excitationâ€“contraction coupling maturation during postnatal development. Cardiovascular Research, 2013, 100, 54-62.	1.8	89
25	Î²â€Adrenergic receptor antagonists ameliorate myocyte Tâ€tubule remodeling following myocardial infarction. FASEB Journal, 2012, 26, 2531-2537.	0.2	63
26	MicroRNA. Circulation Research, 2012, 111, 816-818.	2.0	5
27	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.	2.1	35
28	Calsequestrin Accumulation in Rough Endoplasmic Reticulum Promotes Perinuclear Ca2+ Release. Journal of Biological Chemistry, 2012, 287, 16670-16680.	1.6	27
29	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.	1.3	84
30	Carvedilol and its new analogs suppress arrhythmogenic store overloadâ€“induced Ca2+ release. Nature Medicine, 2011, 17, 1003-1009.	15.2	216
31	T-Tubule Remodeling During Transition From Hypertrophy to Heart Failure. Circulation Research, 2010, 107, 520-531.	2.0	343
32	Ca2+ removal mechanisms in mouse embryonic stem cell-derived cardiomyocytes. American Journal of Physiology - Cell Physiology, 2009, 297, C732-C741.	2.1	16
33	Preservation of the pHi during ischemia via PKC by intermittent hypoxia. Biochemical and Biophysical Research Communications, 2007, 356, 329-333.	1.0	6