Qi Yuan

List of Publications by Year
in descending order

30 papers	1,502 citations	687363 13 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	2557 citing authors

#	Article	IF	Citations
1	IP3 receptor orchestrates maladaptive vascular responses in heart failure. Journal of Clinical Investigation, 2022, 132, .	8.2	6
2	A drug and ATP binding site in type 1 ryanodine receptor. Structure, 2022, 30, 1025-1034.e4.	3.3	23
3	Ryanodine receptor remodeling in cardiomyopathy and muscular dystrophy caused by lamin A/C gene mutation. Human Molecular Genetics, 2021, 29, 3919-3934.	2.9	15
4	Attenuating persistent sodium currentâ€“induced atrial myopathy and fibrillation by preventing mitochondrial oxidative stress. JCI Insight, 2021, 6, .	5.0	17
5	RyR1-related myopathy mutations in ATP and calcium binding sites impair channel regulation. Acta Neuropathologica Communications, 2021, 9, 186.	5.2	7
6	Reply to â€˜Mechanisms of ryanodine receptor 2 dysfunction in heart failureâ€™. Nature Reviews Cardiology, 2020, 17, 749-750.	13.7	6
7	Intracellular calcium leak in heart failure and atrial fibrillation: a unifying mechanism and therapeutic target. Nature Reviews Cardiology, 2020, 17, 732-747.	13.7	101
8	Intracellular calcium leak as a therapeutic target for RYR1-related myopathies. Acta Neuropathologica, 2020, 139, 1089-1104.	7.7	32
9	Role of defective calcium regulation in cardiorespiratory dysfunction in Huntingtonâ€™s disease. JCI Insight, 2020, 5, .	5.0	28
10	Exploring the Role of Ryanodine Receptors in Huntington's Disease Pathophysiology. Biophysical Journal, 2018, 114, 307a.	0.5	0
11	Sensitized signalling between L-type Ca²⁺channels and ryanodine receptors in the absence or inhibition of FKBP12.6 in cardiomyocytes. Cardiovascular Research, 2017, 113, cvw247.	3.8	13
12	Structural basis for conductance through TRIC cation channels. Nature Communications, 2017, 8, 15103.	12.8	12
13	The Role of Calcium Leak in Age-Dependent Loss of C. Elegans Muscle Function. Biophysical Journal, 2017, 112, 232a.	0.5	0
14	Functional Study of the Ryanodine Receptor Type 1 using Cryo-Electron Microscopy. Biophysical Journal, 2017, 112, 335a.	0.5	0
15	Mechanistic Role of Type 1 Inositol 1,4,5-Trisphosphate Receptor in the Regulation of Vascular Tone in Heart Failure. Biophysical Journal, 2017, 112, 482a.	0.5	1
16	Role of the Endothelial Inositol 1,4,5-Trisphosphate Receptor in Blood Pressure Regulation. Biophysical Journal, 2017, 112, 537a.	0.5	0
17	Intracellular calcium release channels: an update. Journal of Physiology, 2017, 595, 3041-3051.	2.9	177
18	Role of FK506-binding protein in Ca 2+ spark regulation. Science Bulletin, 2017, 62, 1295-1303.	9.0	3

#	Article	IF	Citations
19	NFAT5-mediated CACNA1C expression is critical for cardiac electrophysiological development and maturation. Journal of Molecular Medicine, 2016, 94, 993-1002.	3.9	13
20	Maintenance of normal blood pressure is dependent on IP3R1-mediated regulation of eNOS. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8532-8537.	7.1	54
21	Calstabin 2: An important regulator for learning and memory in mice. Scientific Reports, 2016, 6, 21087.	3.3	14
22	Structural Basis for Gating and Activation of RyR1. Cell, 2016, 167, 145-157.e17.	28.9	301
23	RNA-binding protein CUGBP1 regulates insulin secretion via activation of phosphodiesterase 3B in mice. Diabetologia, 2016, 59, 1959-1967.	6.3	14
24	Characterization of Ca2+ handling proteins and contractile proteins in patients with lone atrial fibrillation. International Journal of Cardiology, 2016, 202, 749-751.	1.7	6
25	ERP44 inhibits human lung cancer cell migration mainly via IP3R2. Aging, 2016, 8, 1276-1286.	3.1	25
26	CUG-BP1 regulates RyR1 ASI alternative splicing in skeletal muscle atrophy. Scientific Reports, 2015, 5, 16083.	3.3	15
27	Functional Role of Calstabin2 in Age-related Cardiac Alterations. Scientific Reports, 2015, 4, 7425.	3.3	61
28	Mitochondrial oxidative stress promotes atrial fibrillation. Scientific Reports, 2015, 5, 11427.	3.3	216
29	Direct differentiation of atrial and ventricular myocytes from human embryonic stem cells by alternating retinoid signals. Cell Research, 2011, 21, 579-587.	12.0	328
30	Atrial Natriuretic Peptide Regulates Ca2+ Channel in Early Developmental Cardiomyocytes. PLoS ONE, 2010, 5, e8847.	2.5	10