

Qi Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

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	Direct differentiation of atrial and ventricular myocytes from human embryonic stem cells by alternating retinoid signals. <i>Cell Research</i> , 2011, 21, 579-587.	12.0	328
2	Structural Basis for Gating and Activation of RyR1. <i>Cell</i> , 2016, 167, 145-157.e17.	28.9	301
3	Mitochondrial oxidative stress promotes atrial fibrillation. <i>Scientific Reports</i> , 2015, 5, 11427.	3.3	216
4	Intracellular calcium release channels: an update. <i>Journal of Physiology</i> , 2017, 595, 3041-3051.	2.9	177
5	Intracellular calcium leak in heart failure and atrial fibrillation: a unifying mechanism and therapeutic target. <i>Nature Reviews Cardiology</i> , 2020, 17, 732-747.	13.7	101
6	Functional Role of Calstabin2 in Age-related Cardiac Alterations. <i>Scientific Reports</i> , 2015, 4, 7425.	3.3	61
7	Maintenance of normal blood pressure is dependent on IP3R1-mediated regulation of eNOS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8532-8537.	7.1	54
8	Intracellular calcium leak as a therapeutic target for RYR1-related myopathies. <i>Acta Neuropathologica</i> , 2020, 139, 1089-1104.	7.7	32
9	Role of defective calcium regulation in cardiorespiratory dysfunction in Huntington's disease. <i>JCI Insight</i> , 2020, 5, .	5.0	28
10	ERP44 inhibits human lung cancer cell migration mainly via IP3R2. <i>Aging</i> , 2016, 8, 1276-1286.	3.1	25
11	A drug and ATP binding site in type 1 ryanodine receptor. <i>Structure</i> , 2022, 30, 1025-1034.e4.	3.3	23
12	Attenuating persistent sodium current-induced atrial myopathy and fibrillation by preventing mitochondrial oxidative stress. <i>JCI Insight</i> , 2021, 6, .	5.0	17
13	CUG-BP1 regulates RyR1 ASI alternative splicing in skeletal muscle atrophy. <i>Scientific Reports</i> , 2015, 5, 16083.	3.3	15
14	Ryanodine receptor remodeling in cardiomyopathy and muscular dystrophy caused by lamin A/C gene mutation. <i>Human Molecular Genetics</i> , 2021, 29, 3919-3934.	2.9	15
15	Calstabin 2: An important regulator for learning and memory in mice. <i>Scientific Reports</i> , 2016, 6, 21087.	3.3	14
16	RNA-binding protein CUGBP1 regulates insulin secretion via activation of phosphodiesterase 3B in mice. <i>Diabetologia</i> , 2016, 59, 1959-1967.	6.3	14
17	NFAT5-mediated CACNA1C expression is critical for cardiac electrophysiological development and maturation. <i>Journal of Molecular Medicine</i> , 2016, 94, 993-1002.	3.9	13
18	Sensitized signalling between L-type Ca ²⁺ channels and ryanodine receptors in the absence or inhibition of FKBP12.6 in cardiomyocytes. <i>Cardiovascular Research</i> , 2017, 113, cvw247.	3.8	13

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19	Structural basis for conductance through TRIC cation channels. <i>Nature Communications</i> , 2017, 8, 15103.	12.8	12
20	Atrial Natriuretic Peptide Regulates Ca ²⁺ Channel in Early Developmental Cardiomyocytes. <i>PLoS ONE</i> , 2010, 5, e8847.	2.5	10
21	RyR1-related myopathy mutations in ATP and calcium binding sites impair channel regulation. <i>Acta Neuropathologica Communications</i> , 2021, 9, 186.	5.2	7
22	Characterization of Ca ²⁺ handling proteins and contractile proteins in patients with lone atrial fibrillation. <i>International Journal of Cardiology</i> , 2016, 202, 749-751.	1.7	6
23	Reply to "Mechanisms of ryanodine receptor 2 dysfunction in heart failure". <i>Nature Reviews Cardiology</i> , 2020, 17, 749-750.	13.7	6
24	IP3 receptor orchestrates maladaptive vascular responses in heart failure. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	6
25	Role of FK506-binding protein in Ca ²⁺ spark regulation. <i>Science Bulletin</i> , 2017, 62, 1295-1303.	9.0	3
26	Mechanistic Role of Type 1 Inositol 1,4,5-Trisphosphate Receptor in the Regulation of Vascular Tone in Heart Failure. <i>Biophysical Journal</i> , 2017, 112, 482a.	0.5	1
27	The Role of Calcium Leak in Age-Dependent Loss of <i>C. Elegans</i> Muscle Function. <i>Biophysical Journal</i> , 2017, 112, 232a.	0.5	0
28	Functional Study of the Ryanodine Receptor Type 1 using Cryo-Electron Microscopy. <i>Biophysical Journal</i> , 2017, 112, 335a.	0.5	0
29	Role of the Endothelial Inositol 1,4,5-Trisphosphate Receptor in Blood Pressure Regulation. <i>Biophysical Journal</i> , 2017, 112, 537a.	0.5	0
30	Exploring the Role of Ryanodine Receptors in Huntington's Disease Pathophysiology. <i>Biophysical Journal</i> , 2018, 114, 307a.	0.5	0