

Leonid Tyan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

519
citations

687363

13
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

867
citing authors

#	ARTICLE	IF	CITATIONS
1	Caveolin-3 Prevents Swelling-Induced Membrane Damage via Regulation of ICL _{swell} Activity. Biophysical Journal, 2022, , .	0.5	1
2	Caveolin-3 is required for regulation of transient outward potassium current by angiotensin II in mouse atrial myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H787-H797.	3.2	4
3	Abstract P368: Caveolin-3 Prevents Swelling-induced Cell Lysis Via Regulation Of ICL _{swell} Expression And Activity. Circulation Research, 2021, 129, .	4.5	0
4	A compartmentalized mathematical model of mouse atrial myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H485-H507.	3.2	18
5	Abstract 423: Caveolin-3 Enriches and Dynamically Interacts With Swell1. Circulation Research, 2020, 127, .	4.5	1
6	Abstract 418: Caveolar Disruption of L-type Calcium Channel and Ryanodine Receptor Facilitates Atrial Ectopy and Arrhythmogenesis in Heart Failure Mice. Circulation Research, 2020, 127, .	4.5	0
7	Caveolae-Mediated Activation of Mechanosensitive Chloride Channels in Pulmonary Veins Triggers Atrial Arrhythmogenesis. Journal of the American Heart Association, 2019, 8, e012748.	3.7	34
8	Disruption of Caveolar Microdomains Creates "Hot Spots" for Atrial Ectopy and Arrhythmogenesis in Heart Failure Mice. Biophysical Journal, 2019, 116, 232a.	0.5	0
9	Region-Specific Stretch-Induced Disruption of Caveolae Decreases Expression of Mechanosensitive Chloride Channels and Stimulates Fibrogenesis Promoting Arrhythmogenic Atrial Ectopy in Failing Mice. Biophysical Journal, 2019, 116, 375a.	0.5	1
10	Long QT syndrome caveolin-3 mutations differentially modulate K _v 4 and Ca _v 1.2 channels to contribute to action potential prolongation. Journal of Physiology, 2019, 597, 1531-1551.	2.9	19
11	Atrial fibrillation risk loci interact to modulate Ca ²⁺ -dependent atrial rhythm homeostasis. Journal of Clinical Investigation, 2019, 129, 4937-4950.	8.2	28
12	A calcium transport mechanism for atrial fibrillation in Tbx5-mutant mice. ELife, 2019, 8, .	6.0	28
13	Mechanisms of AP Prolongation and Triggered Activity in a TBX5 Model of Atrial Fibrillation. Biophysical Journal, 2018, 114, 149a.	0.5	1
14	Transcription-factor-dependent enhancer transcription defines a gene regulatory network for cardiac rhythm. ELife, 2017, 6, .	6.0	36
15	Electrophysiology and metabolism of caveolin-3-overexpressing mice. Basic Research in Cardiology, 2016, 111, 28.	5.9	15
16	Coordination of dendritic inhibition through local disinhibitory circuits. Frontiers in Synaptic Neuroscience, 2015, 7, 5.	2.5	19
17	Dendritic Inhibition Provided by Interneuron-Specific Cells Controls the Firing Rate and Timing of the Hippocampal Feedback Inhibitory Circuitry. Journal of Neuroscience, 2014, 34, 4534-4547.	3.6	114
18	LONG QT SYNDROME-ASSOCIATED CAVEOLIN-3 MUTATION F97C IMPARTS A LOSS-OF-FUNCTION EFFECT ON CARDIAC TRANSIENT OUTWARD POTASSIUM CURRENT (ITO). Heart Rhythm, 2014, 11, 2132.	0.7	0

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19	SKK3 Regulates Ca ²⁺ Entry and Migration of Dendritic Cells. Cellular Physiology and Biochemistry, 2012, 30, 1423-1435.	1.6	60
20	Stimulation of Ca ²⁺ channel Orai1/STIM1 by serum and glucocorticoid-inducible kinase 1 (SGK1). FASEB Journal, 2011, 25, 2012-2021.	0.5	82
21	Decreased bone density and increased phosphaturia in gene-targeted mice lacking functional serum- and glucocorticoid-inducible kinase 3. Kidney International, 2011, 80, 61-67.	5.2	29
22	Phosphoinositide-dependent Kinase PDK1 in the Regulation of Ca ²⁺ Entry into Mast Cells. Cellular Physiology and Biochemistry, 2010, 26, 699-706.	1.6	11
23	Inhibition of voltage-gated K ⁺ channels in dendritic cells by rapamycin. American Journal of Physiology - Cell Physiology, 2010, 299, C1379-C1385.	4.6	18