

Timothy L Domeier

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,078
citations

18
h-index

32
g-index

46
ext. papers

1,246
ext. citations

4.2
avg, IF

4.26
L-index

#	Paper	IF	Citations
40	The IP3 receptor regulates cardiac hypertrophy in response to select stimuli. <i>Circulation Research</i> , 2010 , 107, 659-66	15.7	131
39	IP3 receptor-dependent Ca ²⁺ release modulates excitation-contraction coupling in rabbit ventricular myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H596-604	5.3	92
38	Endothelial Mineralocorticoid Receptor Deletion Prevents Diet-Induced Cardiac Diastolic Dysfunction in Females. <i>Hypertension</i> , 2015 , 66, 1159-1167	8.5	87
37	Genetic manipulation of the cardiac mitochondrial phosphate carrier does not affect permeability transition. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 72, 316-25	5.8	85
36	Electromechanical and pharmacomechanical signalling pathways for conducted vasodilatation along endothelium of hamster feed arteries. <i>Journal of Physiology</i> , 2007 , 579, 175-86	3.9	69
35	Refractoriness of sarcoplasmic reticulum Ca ²⁺ release determines Ca ²⁺ alternans in atrial myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H2310-20	5.2	66
34	Dantrolene prevents arrhythmogenic Ca ²⁺ release in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H953-63	5.2	62
33	Alteration of sarcoplasmic reticulum Ca ²⁺ release termination by ryanodine receptor sensitization and in heart failure. <i>Journal of Physiology</i> , 2009 , 587, 5197-209	3.9	62
32	Mineralocorticoid receptor blockade prevents Western diet-induced diastolic dysfunction in female mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H1126-35	5.2	52
31	Propagation of calcium waves along endothelium of hamster feed arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H1634-40	5.2	45
30	Enhanced Development of Skeletal Myotubes from Porcine Induced Pluripotent Stem Cells. <i>Scientific Reports</i> , 2017 , 7, 41833	4.9	31
29	TRPV4 increases cardiomyocyte calcium cycling and contractility yet contributes to damage in the aged heart following hypoosmotic stress. <i>Cardiovascular Research</i> , 2019 , 115, 46-56	9.9	29
28	Advanced age protects microvascular endothelium from aberrant Ca ²⁺ influx and cell death induced by hydrogen peroxide. <i>Journal of Physiology</i> , 2015 , 593, 2155-69	3.9	26
27	Western Diet-Fed, Aortic-Banded Ossabaw Swine: A Preclinical Model of Cardio-Metabolic Heart Failure. <i>JACC Basic To Translational Science</i> , 2019 , 4, 404-421	8.7	25
26	Coordination of intercellular Ca ²⁺ signaling in endothelial cell tubes of mouse resistance arteries. <i>Microcirculation</i> , 2012 , 19, 757-70	2.9	23
25	Cardiomyocyte Ca homeostasis as a therapeutic target in heart failure with reduced and preserved ejection fraction. <i>Current Opinion in Pharmacology</i> , 2017 , 33, 17-26	5.1	22
24	Saxagliptin and Tadalafil Differentially Alter Cyclic Guanosine Monophosphate (cGMP) Signaling and Left Ventricular Function in Aortic-Banded Mini-Swine. <i>Journal of the American Heart Association</i> , 2016 , 5, e003277	6	20

23	A new twist on an old idea part 2: cyclosporine preserves normal mitochondrial but not cardiomyocyte function in mini-swine with compensated heart failure. <i>Physiological Reports</i> , 2014 , 2, e12050	2.6	19
22	Length and PKA Dependence of Force Generation and Loaded Shortening in Porcine Cardiac Myocytes. <i>Biochemistry Research International</i> , 2012 , 2012, 371415	2.4	17
21	Dantrolene suppresses spontaneous Ca ²⁺ release without altering excitation-contraction coupling in cardiomyocytes of aged mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H818-29	5.2	14
20	Chronic low-intensity exercise attenuates cardiomyocyte contractile dysfunction and impaired adrenergic responsiveness in aortic-banded mini-swine. <i>Journal of Applied Physiology</i> , 2018 , 124, 1034-1044	3.7	13
19	Attenuated sarcomere lengthening of the aged murine left ventricle observed using two-photon fluorescence microscopy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H918-25	5.2	12
18	Prospect of gene therapy for cardiomyopathy in hereditary muscular dystrophy. <i>Expert Opinion on Orphan Drugs</i> , 2016 , 4, 169-183	1.1	12
17	Elevated Ca ²⁺ transients and increased myofibrillar power generation cause cardiac hypercontractility in a model of Noonan syndrome with multiple lentiginos. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H1086-95	5.2	10
16	Adrenergic stimulation increases the intra-sarcoplasmic reticulum Ca ²⁺ threshold for Ca ²⁺ wave generation. <i>Journal of Physiology</i> , 2012 , 590, 6093-108	3.9	10
15	Endothelial sodium channel activation promotes cardiac stiffness and diastolic dysfunction in Western diet fed female mice. <i>Metabolism: Clinical and Experimental</i> , 2020 , 109, 154223	12.7	7
14	Changes in intra-luminal calcium during spontaneous calcium waves following sensitization of ryanodine receptor channels. <i>Channels</i> , 2010 , 4, 87-92	3	7
13	Transient receptor potential vanilloid-4 contributes to stretch-induced hypercontractility and time-dependent dysfunction in the aged heart. <i>Cardiovascular Research</i> , 2020 , 116, 1887-1896	9.9	7
12	Tissue-specific small heat shock protein 20 activation is not associated with traditional autophagy markers in Ossabaw swine with cardiometabolic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H1036-H1043	5.2	4
11	Arrhythmogenesis in the aged heart following ischaemia-reperfusion: Role of Transient Receptor Potential Vanilloid 4. <i>Cardiovascular Research</i> , 2021 ,	9.9	4
10	Fascin2 regulates cisplatin-induced apoptosis in NRK-52E cells. <i>Toxicology Letters</i> , 2017 , 266, 56-64	4.4	3
9	Adrenergic stimulation increases the intra-SR Ca termination threshold for spontaneous Ca waves in cardiac myocytes. <i>Channels</i> , 2013 , 7, 206-10	3	3
8	The right ventricular transcriptome signature in Ossabaw swine with cardiometabolic heart failure: implications for the coronary vasculature. <i>Physiological Genomics</i> , 2021 , 53, 99-115	3.6	2
7	Role of Known Transient Receptor Potential Vanilloid Channels in Modulating Cardiac Mechanobiology. <i>Frontiers in Physiology</i> , 2021 , 12, 734113	4.6	1
6	Resolution of Ca ²⁺ dynamics underlying conducted vasodilation: The Ca ²⁺ wave.. <i>FASEB Journal</i> , 2006 , 20, A277	0.9	1

- 5 Right Ventricular Hypertrophy is Associated with Increased MAPK8, Fibronectin, and Extracellular Matrix Regulatory Biomarker (MMP/TIMP) mRNA Levels in a Pre-Clinical Swine Model of HFpEF. *FASEB Journal*, **2019**, 33, 530.4 0.9 0
- 4 A Novel Signaling Pathway for Conducted Vasodilation in Hamster Feed Arteries. *FASEB Journal*, **2006**, 20, A276 0.9
- 3 Increased Left Ventricular mRNA Levels of the Inflammatory Biomarkers Pentraxin-3 and Interleukin 1 Receptor-Like 1 are Correlated with Diastolic Dysfunction in a Pre-Clinical Swine Model of HFpEF. *FASEB Journal*, **2019**, 33, 532.13 0.9
- 2 Manipulating IP3R-mediated calcium release in permeabilized endothelial cell tubes of resistance arteries. *FASEB Journal*, **2012**, 26, 1058.8 0.9
- 1 Impaired Ca²⁺ signaling following acutely elevated glucose in mouse endothelial cell tubes. *FASEB Journal*, **2013**, 27, 678.2 0.9