Katharine Dibb

List of Publications by Year in Descending Order

42 papers	1,430 citations	22 h-index	37 g-index
46 ext. papers	1,725 ext. citations	6.3 avg, IF	4.28 L-index

#	Paper	IF	Citations
42	Altered atrial cytosolic calcium handling contributes to the development of postoperative atrial fibrillation. *Cardiovascular Research*, **2021**, 117, 1790-1801	9.9	18
41	Cardiac Transverse Tubules in Physiology and Heart Failure. *Annual Review of Physiology*, **2021**,	23.1	3
40	Response to correspondence on "Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation". *Genome Biology*, **2021**, 22, 99	18.3	2
39	Optimising Large Animal Models of Sustained Atrial Fibrillation: Relevance of the Critical Mass Hypothesis. *Frontiers in Physiology*, **2021**, 12, 690897	4.6	0
38	PDE5 Inhibition Suppresses Ventricular Arrhythmias by Reducing SR Ca Content. *Circulation Research*, **2021**, 129, 650-665	15.7	2
37	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. *Genome Biology*, **2019**, 20, 171	18.3	39
36	Phosphodiesterase 5 inhibition improves contractile function and restores transverse tubule loss and catecholamine responsiveness in heart failure. *Scientific Reports*, **2019**, 9, 6801	4.9	22
35	Increased Vulnerability to Atrial Fibrillation Is Associated With Increased Susceptibility to Alternans in Old Sheep. *Journal of the American Heart Association*, **2018**, 7, e009972	6	11
34	Calcium in the Pathophysiology of Atrial Fibrillation and Heart Failure. *Frontiers in Physiology*, **2018**, 9, 1380	4.6	66
33	Letter by Pearman et al. regarding article "Effect of botulinum toxin on inducibility and maintenance of atrial fibrillation in ovine myocardial tissue". *PACE - Pacing and Clinical Electrophysiology*, **2017**, 40, 1186	1.6	
32	Increased Ca buffering underpins remodelling of Ca handling in old sheep atrial myocytes. *Journal of Physiology*, **2017**, 595, 6263-6279	3.9	9
31	Temporal Development of Autonomic Dysfunction in Heart Failure: Effects of Age in an Ovine Rapid-pacing Model. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2016**, 71, 1544-1552	6.4	4
30	Perturbed atrial calcium handling in an ovine model of heart failure: potential roles for reductions in the L-type calcium current. *Journal of Molecular and Cellular Cardiology*, **2015**, 79, 169-79	5.8	31
29	How cardiomyocyte excitation, calcium release and contraction become altered with age. *Journal of Molecular and Cellular Cardiology*, **2015**, 83, 62-72	5.8	78
28	A model model: a commentary on DiFrancesco and Noble (1985) SA model of cardiac electrical activity incorporating ionic pumps and concentration changesS *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370,	5.8	3
27	Methods for isolating atrial cells from large mammals and humans. *Journal of Molecular and Cellular Cardiology*, **2015**, 86, 187-98	5.8	15
26	Dependence of cardiac transverse tubules on the BAR domain protein amphiphysin II (BIN-1). *Circulation Research*, **2014**, 115, 986-96	15.7	78

25	Balanced changes in Ca buffering by SERCA and troponin contribute to Ca handling during adrenergic stimulation in cardiac myocytes. *Cardiovascular Research*, **2014**, 104, 347-54	9.9	25
24	Tachycardia-induced silencing of subcellular Ca2+ signaling in atrial myocytes. *Journal of Clinical Investigation*, **2014**, 124, 4759-72	15.9	77
23	A functional role for transverse (t-) tubules in the atria. *Journal of Molecular and Cellular Cardiology*, **2013**, 58, 84-91	5.8	31
22	Calcium signalling microdomains and the t-tubular system in atrial mycoytes: potential roles in cardiac disease and arrhythmias. *Cardiovascular Research*, **2013**, 98, 192-203	9.9	38
21	Comparison of Atrial Fibrillation in the Young versus That in the Elderly: A Review. *Cardiology Research and Practice*, **2013**, 2013, 976976	1.9	36
20	Both collagen and elastin matrices are remodeled in the failing ovine atria a role for elastin-degrading enzymes in atrial structural remodeling. *FASEB Journal*, **2013**, 27, 1129.7	0.9	
19	Age-related divergent remodeling of the cardiac extracellular matrix in heart failure: collagen accumulation in the young and loss in the aged. *Journal of Molecular and Cellular Cardiology*, **2012**, 53, 82-90	5.8	71
18	Impaired adrenergic responsiveness accentuates dysfunctional excitation-contraction coupling in an ovine model of tachypacing-induced heart failure. *Journal of Physiology*, **2011**, 589, 1367-82	3.9	41
17	Transverse tubules are a common feature in large mammalian atrial myocytes including human. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 301, H1996-2005	5.2	103
16	A small leak may sink a great ship but what does it do to the heart?. *Journal of Physiology*, **2010**, 588, 4849	3.9	4
15	Calcium Signaling in Cardiac Muscle **2010**, 1027-1030		
14	Characterization of an extensive transverse tubular network in sheep atrial myocytes and its depletion in heart failure. *Circulation: Heart Failure*, **2009**, 2, 482-9	7.6	120
13	The mechanism and significance of the slow changes of ventricular action potential duration following a change of heart rate. *Experimental Physiology*, **2009**, 94, 520-8	2.4	39
12	Differences in intracellular calcium homeostasis between atrial and ventricular myocytes. *Journal of Molecular and Cellular Cardiology*, **2009**, 46, 463-73	5.8	106
11	Regulation of systolic [Ca2+]i and cellular Ca2+ flux balance in rat ventricular myocytes by SR Ca2+, L-type Ca2+ current and diastolic [Ca2+]i. *Journal of Physiology*, **2007**, 585, 579-92	3.9	55
10	Analysis of cellular calcium fluxes in cardiac muscle to understand calcium homeostasis in the heart. *Cell Calcium*, **2007**, 42, 503-12	4	65
9	Base of pore loop is important for rectification, activation, permeation, and block of Kir3.1/Kir3.4. *Biophysical Journal*, **2006**, 90, 4018-34	2.9	8
8	Photoperiod-dependent modulation of cardiac excitation contraction coupling in the Siberian hamster. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R607-14	3.2	17

7	K+ activation of kir3.1/kir3.4 and kv1.4 K+ channels is regulated by extracellular charges. *Biophysical Journal*, **2004**, 87, 2407-18	2.9	17
6	Mechanisms underlying enhanced cardiac excitation contraction coupling observed in the senescent sheep myocardium. *Journal of Molecular and Cellular Cardiology*, **2004**, 37, 1171-81	5.8	58
5	Molecular basis of ion selectivity, block, and rectification of the inward rectifier Kir3.1/Kir3.4 K(+) channel. *Journal of Biological Chemistry*, **2003**, 278, 49537-48	5.4	58
4	Effects of eicosapentaenoic acid on cardiac SR Ca(2+)-release and ryanodine receptor function. *Cardiovascular Research*, **2003**, 60, 337-46	9.9	33
3	The selectivity filter may act as the agonist-activated gate in the G protein-activated Kir3.1/Kir3.4 K+ channel. *Journal of Biological Chemistry*, **2003**, 278, 50654-63	5.4	19
2	Cs+ block of the cardiac muscarinic K+ channel, GIRK1/GIRK4, is not dependent on the aspartate residue at position 173. *Pflugers Archiv European Journal of Physiology*, **2000**, 440, 740-4	4.6	3
1	Residues and mechanisms for slow activation and Ba2+ block of the cardiac muscarinic K+ channel, Kir3.1/Kir3.4. *Journal of Biological Chemistry*, **2000**, 275, 35831-9	5.4	25