

Katharine Dibb

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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.

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	Characterization of an extensive transverse tubular network in sheep atrial myocytes and its depletion in heart failure. <i>Circulation: Heart Failure</i> , 2009 , 2, 482-9	7.6	120
41	Differences in intracellular calcium homeostasis between atrial and ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 463-73	5.8	106
40	Transverse tubules are a common feature in large mammalian atrial myocytes including human. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H1996-2005	5.2	103
39	How cardiomyocyte excitation, calcium release and contraction become altered with age. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 83, 62-72	5.8	78
38	Dependence of cardiac transverse tubules on the BAR domain protein amphiphysin II (BIN-1). <i>Circulation Research</i> , 2014 , 115, 986-96	15.7	78
37	Tachycardia-induced silencing of subcellular Ca ²⁺ signaling in atrial myocytes. <i>Journal of Clinical Investigation</i> , 2014 , 124, 4759-72	15.9	77
36	Age-related divergent remodeling of the cardiac extracellular matrix in heart failure: collagen accumulation in the young and loss in the aged. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 53, 82-90	5.8	71
35	Calcium in the Pathophysiology of Atrial Fibrillation and Heart Failure. <i>Frontiers in Physiology</i> , 2018 , 9, 1380	4.6	66
34	Analysis of cellular calcium fluxes in cardiac muscle to understand calcium homeostasis in the heart. <i>Cell Calcium</i> , 2007 , 42, 503-12	4	65
33	Molecular basis of ion selectivity, block, and rectification of the inward rectifier Kir3.1/Kir3.4 K(+) channel. <i>Journal of Biological Chemistry</i> , 2003 , 278, 49537-48	5.4	58
32	Mechanisms underlying enhanced cardiac excitation contraction coupling observed in the senescent sheep myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 37, 1171-81	5.8	58
31	Regulation of systolic [Ca ²⁺] _i and cellular Ca ²⁺ flux balance in rat ventricular myocytes by SR Ca ²⁺ , L-type Ca ²⁺ current and diastolic [Ca ²⁺] _i . <i>Journal of Physiology</i> , 2007 , 585, 579-92	3.9	55
30	Impaired β adrenergic responsiveness accentuates dysfunctional excitation-contraction coupling in an ovine model of tachypacing-induced heart failure. <i>Journal of Physiology</i> , 2011 , 589, 1367-82	3.9	41
29	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. <i>Genome Biology</i> , 2019 , 20, 171	18.3	39
28	The mechanism and significance of the slow changes of ventricular action potential duration following a change of heart rate. <i>Experimental Physiology</i> , 2009 , 94, 520-8	2.4	39
27	Calcium signalling microdomains and the t-tubular system in atrial myocytes: potential roles in cardiac disease and arrhythmias. <i>Cardiovascular Research</i> , 2013 , 98, 192-203	9.9	38
26	Comparison of Atrial Fibrillation in the Young versus That in the Elderly: A Review. <i>Cardiology Research and Practice</i> , 2013 , 2013, 976976	1.9	36

25	Effects of eicosapentaenoic acid on cardiac SR Ca(2+)-release and ryanodine receptor function. <i>Cardiovascular Research</i> , 2003 , 60, 337-46	9.9	33
24	Perturbed atrial calcium handling in an ovine model of heart failure: potential roles for reductions in the L-type calcium current. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 79, 169-79	5.8	31
23	A functional role for transverse (t-) tubules in the atria. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 58, 84-91	5.8	31
22	Balanced changes in Ca buffering by SERCA and troponin contribute to Ca handling during β adrenergic stimulation in cardiac myocytes. <i>Cardiovascular Research</i> , 2014 , 104, 347-54	9.9	25
21	Residues and mechanisms for slow activation and Ba2+ block of the cardiac muscarinic K+ channel, Kir3.1/Kir3.4. <i>Journal of Biological Chemistry</i> , 2000 , 275, 35831-9	5.4	25
20	Phosphodiesterase 5 inhibition improves contractile function and restores transverse tubule loss and catecholamine responsiveness in heart failure. <i>Scientific Reports</i> , 2019 , 9, 6801	4.9	22
19	The selectivity filter may act as the agonist-activated gate in the G protein-activated Kir3.1/Kir3.4 K+ channel. <i>Journal of Biological Chemistry</i> , 2003 , 278, 50654-63	5.4	19
18	Altered atrial cytosolic calcium handling contributes to the development of postoperative atrial fibrillation. <i>Cardiovascular Research</i> , 2021 , 117, 1790-1801	9.9	18
17	K+ activation of kir3.1/kir3.4 and kv1.4 K+ channels is regulated by extracellular charges. <i>Biophysical Journal</i> , 2004 , 87, 2407-18	2.9	17
16	Photoperiod-dependent modulation of cardiac excitation contraction coupling in the Siberian hamster. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 288, R607-14	3.2	17
15	Methods for isolating atrial cells from large mammals and humans. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 86, 187-98	5.8	15
14	Increased Vulnerability to Atrial Fibrillation Is Associated With Increased Susceptibility to Alternans in Old Sheep. <i>Journal of the American Heart Association</i> , 2018 , 7, e009972	6	11
13	Increased Ca buffering underpins remodelling of Ca handling in old sheep atrial myocytes. <i>Journal of Physiology</i> , 2017 , 595, 6263-6279	3.9	9
12	Base of pore loop is important for rectification, activation, permeation, and block of Kir3.1/Kir3.4. <i>Biophysical Journal</i> , 2006 , 90, 4018-34	2.9	8
11	A small leak may sink a great ship but what does it do to the heart?. <i>Journal of Physiology</i> , 2010 , 588, 4849	3.9	4
10	Temporal Development of Autonomic Dysfunction in Heart Failure: Effects of Age in an Ovine Rapid-pacing Model. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 1544-1552	6.4	4
9	A model model: a commentary on DiFrancesco and Noble (1985) A model of cardiac electrical activity incorporating ionic pumps and concentration changesS <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	3
8	Cs+ block of the cardiac muscarinic K+ channel, GIRK1/GIRK4, is not dependent on the aspartate residue at position 173. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 440, 740-4	4.6	3

7	Cardiac Transverse Tubules in Physiology and Heart Failure. <i>Annual Review of Physiology</i> , 2021 ,	23.1	3
6	Response to correspondence on "Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation". <i>Genome Biology</i> , 2021 , 22, 99	18.3	2
5	PDE5 Inhibition Suppresses Ventricular Arrhythmias by Reducing SR Ca Content. <i>Circulation Research</i> , 2021 , 129, 650-665	15.7	2
4	Optimising Large Animal Models of Sustained Atrial Fibrillation: Relevance of the Critical Mass Hypothesis. <i>Frontiers in Physiology</i> , 2021 , 12, 690897	4.6	0
3	Letter by Pearman et al. regarding article "Effect of botulinum toxin on inducibility and maintenance of atrial fibrillation in ovine myocardial tissue". <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017 , 40, 1186	1.6	
2	Calcium Signaling in Cardiac Muscle 2010 , 1027-1030		
1	Both collagen and elastin matrices are remodeled in the failing ovine atria a role for elastin-degrading enzymes in atrial structural remodeling. <i>FASEB Journal</i> , 2013 , 27, 1129.7	0.9	