Sarah C Calaghan

List of Publications by Year
in descending order

52 papers	2,101 citations	236833 25 h-index	233338 45 g-index
52 all docs	52 docs citations	52 times ranked	2716 citing authors

#	Article	IF	Citations
1	Editorial: Cardiomyocyte Microdomains: An Emerging Concept of Local Regulation and Remodeling. Frontiers in Physiology, 2020, 11, 512.	1.3	0
2	A Mechanism for Statin-Induced Susceptibility to Myopathy. JACC Basic To Translational Science, 2019, 4, 509-523.	1.9	31
3	Caveolae and the cardiac myocyte. Current Opinion in Physiology, 2018, 1, 59-67.	0.9	5
4	Simvastatin activates single skeletal RyR1 channels but exerts more complex regulation of the cardiac RyR2 isoform. British Journal of Pharmacology, 2018, 175, 938-952.	2.7	16
5	Beta1-adrenoceptor antagonist, metoprolol attenuates cardiac myocyte Ca2+ handling dysfunction in rats with pulmonary artery hypertension. Journal of Molecular and Cellular Cardiology, 2018, 120, 74-83.	0.9	25
6	Piezo1 channels sense whole body physical activity to reset cardiovascular homeostasis and enhance performance. Nature Communications, 2017, 8, 350.	5.8	197
7	Caveolae in Rabbit Ventricular Myocytes: Distribution and Dynamic Diminution after CellÂIsolation. Biophysical Journal, 2017, 113, 1047-1059.	0.2	49
8	Simvastatin Promotes Cardiac Myocyte Relaxation in Association with Phosphorylation of Troponin I. Frontiers in Pharmacology, 2017, 8, 203.	1.6	4
9	Simvastatin Activates Single Skeletal RyR1 Channels but Exerts More Complex Regulation of the Cardiac Isoform, RyR2. Biophysical Journal, 2016, 110, 266a.	0.2	0
10	Metoprolol Reverses Î²-Adrenergic Remodeling in the Failing Right Ventricle of Pulmonary Artery Hypertensive (PAH) Rats. Biophysical Journal, 2016, 110, 89a-90a.	0.2	0
11	Simvastatin has Profound Effects on Sarcoplasmic Reticulum Ca2+ Leak in Skeletal but not Cardiac Muscle: A Mechanism for Myopathy. Biophysical Journal, 2016, 110, 266a.	0.2	0
12	Statin Induced Myopathy: A Role for Mitochondrial Ca2+ and No in Enhanced Sarcoplasmic Reticulum Ca2+ Leak. Biophysical Journal, 2015, 108, 567a.	0.2	1
13	Cellular Hypertrophy and Increased Susceptibility to Spontaneous Calcium-Release of Rat Left Atrial Myocytes Due to Elevated Afterload. PLoS ONE, 2015, 10, e0144309.	1.1	19
14	Voluntary exercise delays heart failure onset in rats with pulmonary artery hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H421-H424.	1.5	24
15	The Golgi apparatus is a functionally distinct Ca ²⁺ store regulated by the PKA and Epac branches of the Î² ₁ -adrenergic signaling pathway. Science Signaling, 2015, 8, ra101.	1.6	32
16	Identification of Caveolar Resident Proteins in Ventricular Myocytes Using a Quantitative Proteomic Approach: Dynamic Changes in Caveolar Composition Following Adrenoceptor Activation. Molecular and Cellular Proteomics, 2015, 14, 596-608.	2.5	25
17	Substrate recognition by the cell surface palmitoyl transferase DHHC5. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17534-17539.	3.3	108
18	Caveolin Contributes to the Modulation of Basal and Î²-Adrenoceptor Stimulated Function of the Adult Rat Ventricular Myocyte by Simvastatin: A Novel Pleiotropic Effect. PLoS ONE, 2014, 9, e106905.	1.1	20

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19	Regulation of the cardiac sodium pump. Cellular and Molecular Life Sciences, 2013, 70, 1357-1380.	2.4	61
20	A novel approach to the Langendorff technique: preparation of isolated cardiomyocytes and myocardial samples from the same rat heart. Experimental Physiology, 2013, 98, 1295-1300.	0.9	3
21	A Separate Pool of Cardiac Phospholemman That Does Not Regulate or Associate with the Sodium Pump. Journal of Biological Chemistry, 2013, 288, 13808-13820.	1.6	29
22	Caveolae compartmentalise Î²2-adrenoceptor signals by curtailing cAMP production and maintaining phosphatase activity in the sarcoplasmic reticulum of the adult ventricular myocyte. Journal of Molecular and Cellular Cardiology, 2012, 52, 388-400.	0.9	80
23	Caveolae create local signalling domains through their distinct protein content, lipid profile and morphology. Journal of Molecular and Cellular Cardiology, 2012, 52, 366-375.	0.9	88
24	Local signalling in myocytes. Journal of Molecular and Cellular Cardiology, 2012, 52, 295-297.	0.9	1
25	In Vivo Simvastatin Treatment Differentially Affects Caveolin-1 and Caveolin-3 Expression in the Adult Rat Myocardium. Biophysical Journal, 2012, 102, 138a.	0.2	2
26	Effects of cholesterol depletion on compartmentalized cAMP responses in adult cardiac myocytes. Journal of Molecular and Cellular Cardiology, 2011, 50, 500-509.	0.9	67
27	NaV1.5 enhances breast cancer cell invasiveness by increasing NHE1-dependent H+ efflux in caveolae. Oncogene, 2011, 30, 2070-2076.	2.6	171
28	Store-operated Ca2+ Entry in Malignant Hyperthermia-susceptible Human Skeletal Muscle. Journal of Biological Chemistry, 2010, 285, 25645-25653.	1.6	60
29	A Novel Pleiotropic Effect of Statins: Enhanced Cardiomyocyte Î²2-Adrenoceptor Responsiveness. Biophysical Journal, 2010, 98, 721a.	0.2	0
30	Caveolae Act as Membrane Reserves Which Limit Mechanosensitive ICl,swell Channel Activation during Swelling in the Rat Ventricular Myocyte. PLoS ONE, 2009, 4, e8312.	1.1	95
31	Compartmentalisation of cAMP-dependent signalling by caveolae in the adult cardiac myocyte. Journal of Molecular and Cellular Cardiology, 2008, 45, 88-92.	0.9	78
32	Caveolae. , 2008, , 267-289.		0
33	Stable microtubules contribute to cardiac dysfunction in the streptozotocin-induced model of type 1 diabetes in the rat. Molecular and Cellular Biochemistry, 2007, 294, 173-180.	1.4	16
34	Transmural variations in gene expression of stretch-modulated proteins in the rat left ventricle. Pflugers Archiv European Journal of Physiology, 2007, 454, 545-549.	1.3	22
35	Compartmentalized signaling in cardiomyocyte lipid domainsâ€"Do structure and function match up?. Journal of Molecular and Cellular Cardiology, 2006, 41, 1-3.	0.9	4
36	Caveolae modulate excitationâ€"contraction coupling and Î²2-adrenergic signalling in adult rat ventricular myocytes. Cardiovascular Research, 2006, 69, 816-824.	1.8	79

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37	The Cellular Basis for Enhanced Volume-modulated Cardiac Output in Fish Hearts. Journal of General Physiology, 2006, 128, 37-44.	0.9	46
38	Activation of Na+-H+exchange and stretch-activated channels underlies the slow inotropic response to stretch in myocytes and muscle from the rat heart. Journal of Physiology, 2004, 559, 205-214.	1.3	83
39	Cytoskeletal modulation of electrical and mechanical activity in cardiac myocytes. Progress in Biophysics and Molecular Biology, 2004, 84, 29-59.	1.4	72
40	Do stretch-induced changes in intracellular calcium modify the electrical activity of cardiac muscle?. Progress in Biophysics and Molecular Biology, 2003, 82, 81-95.	1.4	75
41	Heterologous expression of wild-type and mutant Â-cardiac myosin changes the contractile kinetics of cultured mouse myotubes. Journal of Physiology, 2003, 548, 167-174.	1.3	14
42	Cardiac microtubules are more resistant to chemical depolymerisation in streptozotocin-induced diabetes in the rat. Pflugers Archiv European Journal of Physiology, 2002, 444, 432-437.	1.3	15
43	A Unifying Mechanism for the Role of Microtubules in the Regulation of [Ca 2+] i and Contraction in the Cardiac Myocyte. Circulation Research, 2001, 89, .	2.0	6
44	Contribution of angiotensin II, endothelin 1 and the endothelium to the slow inotropic response to stretch in ferret papillary muscle. Pflugers Archiv European Journal of Physiology, 2001, 441, 514-520.	1.3	40
45	A role for Câ€protein in the regulation of contraction and intracellular Ca 2+ in intact rat ventricular myocytes. Journal of Physiology, 2000, 528, 151-156.	1.3	41
46	Cytochalasin D reduces Ca 2+ sensitivity and maximum tension via interactions with myofilaments in skinned rat cardiac myocytes. Journal of Physiology, 2000, 529, 405-411.	1.3	21
47	Biphasic effects of hyposmotic challenge on excitation-contraction coupling in rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H1963-H1971.	1.5	20
48	Effect of the microtubule polymerizing agent taxol on contraction, Ca2+transient and L-type Ca2+current in rat ventricular myocytes. Journal of Physiology, 1999, 516, 409-419.	1.3	65
49	Cyclic AMP but not phosphorylation of phospholamban contributes to the slow inotropic response to stretch in ferret papillary muscle. Pflugers Archiv European Journal of Physiology, 1999, 437, 780-782.	1.3	28
50	The role of calcium in the response of cardiac muscle to stretch. Progress in Biophysics and Molecular Biology, 1999, 71, 59-90.	1.4	114
51	Co-ordinated changes in cAMP, phosphorylated phospholamban, Ca 2+ and contraction following Î²-adrenergic stimulation of rat heart. Pflugers Archiv European Journal of Physiology, 1998, 436, 948-956.	1.3	39
52	Preservation of thein VivoPhosphorylation Status of Phospholamban in the Heart: Evidence for a Site-Specific Difference in the Dephosphorylation of Phospholamban. Biochemical and Biophysical Research Communications, 1998, 248, 701-705.	1.0	10