Christopher H George

List of Publications by Citations

44 papers	2,858 citations	23 h-index	53 g-index
59 ext. papers	3,769 ext. citations	6.3 avg, IF	4.96 L-index

#	Paper	IF	Citations
44	Ryanodine receptor mutations associated with stress-induced ventricular tachycardia mediate increased calcium release in stimulated cardiomyocytes. *Circulation Research*, **2003**, 93, 531-40	15.7	203
43	Ryanodine receptors and ventricular arrhythmias: emerging trends in mutations, mechanisms and therapies. *Journal of Molecular and Cellular Cardiology*, **2007**, 42, 34-50	5.8	129
42	Intracellular trafficking pathways in the assembly of connexins into gap junctions. *Journal of Biological Chemistry*, **1999**, 274, 8678-85	5.4	98
41	Soluble TLR2 reduces inflammation without compromising bacterial clearance by disrupting TLR2 triggering. *Journal of Immunology*, **2009**, 183, 506-17	5.3	73
40	Arrhythmogenic mutation-linked defects in ryanodine receptor autoregulation reveal a novel mechanism of Ca2+ release channel dysfunction. *Circulation Research*, **2006**, 98, 88-97	15.7	72
39	The mechanism of flecainide action in CPVT does not involve a direct effect on RyR2. *Circulation Research*, **2015**, 116, 1324-35	15.7	66
38	Synthesis and assembly of connexins in vitro into homomeric and heteromeric functional gap junction hemichannels. *Biochemical Journal*, **1999**, 339, 247-253	3.8	66
37	Sarcoplasmic reticulum Ca2+ leak in heart failure: mere observation or functional relevance?. *Cardiovascular Research*, **2008**, 77, 302-14	9.9	59
36	Assembly of chimeric connexin-aequorin proteins into functional gap junction channels. Reporting intracellular and plasma membrane calcium environments. *Journal of Biological Chemistry*, **1998**, 273, 1719-26	5.4	56
35	Ryanodine receptor regulation by intramolecular interaction between cytoplasmic and transmembrane domains. *Molecular Biology of the Cell*, **2004**, 15, 2627-38	3.5	54
34	Alternative splicing of ryanodine receptors modulates cardiomyocyte Ca2+ signaling and susceptibility to apoptosis. *Circulation Research*, **2007**, 100, 874-83	15.7	53
33	Connexin-aequorin chimerae report cytoplasmic calcium environments along trafficking pathways leading to gap junction biogenesis in living COS-7 cells. *Journal of Biological Chemistry*, **1998**, 273, 29822-9	5.4	51
32	Analysis of gap junction assembly using mutated connexins detected in Charcot-Marie-Tooth X-linked disease. *Journal of Neurochemistry*, **2000**, 74, 711-20	6	47
31	Functional heterogeneity of ryanodine receptor mutations associated with sudden cardiac death. *Cardiovascular Research*, **2004**, 64, 52-60	9.9	43
30	Differential Ca2+ sensitivity of RyR2 mutations reveals distinct mechanisms of channel dysfunction in sudden cardiac death. *Biochemical and Biophysical Research Communications*, **2005**, 331, 231-8	3.4	37
29	In situ modulation of the human cardiac ryanodine receptor (hRyR2) by FKBP12.6. *Biochemical Journal*, **2003**, 370, 579-89	3.8	33
28	Divergent effect of mammalian PLC□n generating Ca□+ oscillations in somatic cells compared with eggs. *Biochemical Journal*, **2011**, 438, 545-53	3.8	25

27	Dysregulated ryanodine receptors mediate cellular toxicity: restoration of normal phenotype by FKBP12.6. *Journal of Biological Chemistry*, **2003**, 278, 28856-64	5.4	24
26	Synthesis and assembly of connexins in vitro into homomeric and heteromeric functional gap junction hemichannels. *Biochemical Journal*, **1999**, 339, 247	3.8	19
25	Toward a molecular understanding of the structure-function of ryanodine receptor Ca2+ release channels: perspectives from recombinant expression systems. *Cell Biochemistry and Biophysics*, **2005**, 42, 197-222	3.2	18
24	Refocussing therapeutic strategies for cardiac arrhythmias: defining viable molecular targets to restore cardiac ion flux. *Expert Opinion on Therapeutic Patents*, **2008**, 18, 1-19	6.8	15
23	Ryanodine receptors are part of the myospryn complex in cardiac muscle. *Scientific Reports*, **2017**, 7, 6312	4.9	14
22	A network-oriented perspective on cardiac calcium signaling. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C897-910	5.4	14
21	Pleiotropic mechanisms of action of perhexiline in heart failure. *Expert Opinion on Therapeutic Patents*, **2016**, 26, 1049-59	6.8	13
20	Massive Accumulation of Myofibroblasts in the Critical Isthmus Is Associated With Ventricular Tachycardia Inducibility in Post-Infarct Swine Heart. *JACC: Clinical Electrophysiology*, **2017**, 3, 703-714	4.6	12
19	A new system for profiling drug-induced calcium signal perturbation in human embryonic stem cell-derived cardiomyocytes. *Journal of Biomolecular Screening*, **2015**, 20, 330-40		11
18	Developing new anti-arrhythmics: clues from the molecular basis of cardiac ryanodine receptor (RyR2) Ca2+-release channel dysfunction. *Current Pharmaceutical Design*, **2007**, 13, 3195-211	3.3	11
17	Targeted bioluminescent indicators in living cells. *Methods in Enzymology*, **2000**, 305, 479-98	1.7	11
16	Effect of flecainide derivatives on sarcoplasmic reticulum calcium release suggests a lack of direct action on the cardiac ryanodine receptor. *British Journal of Pharmacology*, **2016**, 173, 2446-59	8.6	8
15	Synergy Between Intercellular Communication and Intracellular Ca(2+) Handling in Arrhythmogenesis. *Annals of Biomedical Engineering*, **2015**, 43, 1614-25	4.7	7
14	Introduction to biological complexity as a missing link in drug discovery. *Expert Opinion on Drug Discovery*, **2018**, 13, 753-763	6.2	7
13	Searching for new cardiovascular drugs: towards improved systems for drug screening?. *Expert Opinion on Drug Discovery*, **2011**, 6, 1155-70	6.2	7
12	Association of cardiac myosin-binding protein-C with the ryanodine receptor channel - putative retrograde regulation?. *Journal of Cell Science*, **2018**, 131,	5.3	6
11	Techniques and methodologies to study the ryanodine receptor at the molecular, subcellular and cellular level. *Advances in Experimental Medicine and Biology*, **2012**, 740, 183-215	3.6	5
10	Ryanodine receptor dysfunction in arrhythmia and sudden cardiac death. *Future Cardiology*, **2005**, 1, 531-41	1.3	5

9	Questioning flecainideS mechanism of action in the treatment of catecholaminergic polymorphic ventricular tachycardia. *Journal of Physiology*, **2016**, 594, 6431-6432	3.9	4
8	How does CaMKIIdelta phosphorylation of the cardiac ryanodine receptor contribute to inotropy?. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, E123; author reply E124	11.5	4
7	A Systemized Approach to Investigate Ca(2+) Synchronization in Clusters of Human Induced Pluripotent Stem-Cell Derived Cardiomyocytes. *Frontiers in Cell and Developmental Biology*, **2015**, 3, 89	5.7	4
6	The ryanodine receptor: advances in structure and organization. *Current Opinion in Physiology*, **2018** , 1, 1-6	2.6	3
5	Connect and Conquer: Collectivized Behavior of Mitochondria and Bacteria. *Frontiers in Physiology*, **2019**, 10, 340	4.6	2
4	Genetic polymorphisms in beta1 and beta2 adrenergic receptors: variations without a theme?. *Heart Rhythm*, **2008**, 5, 822-5	6.7	2
3	Decoding Ca2+ Signals as a Non-electrophysiological Method for Assessing Drug Toxicity in Stem Cell-Derived Cardiomyocytes. *Methods in Pharmacology and Toxicology*, **2017**, 173-190	1.1	1
2	Moving in the right direction: elucidating the mechanisms of interaction between flecainide and the cardiac ryanodine receptor. *British Journal of Pharmacology*, **2021**,	8.6	1
1	Cupid, a cell permeable peptide derived from amoeba, capable of delivering GFP into a diverse range of species. *Scientific Reports*, **2020**, 10, 13725	4.9	1