

# Jeremy Fauconnier

## List of Publications by Citations

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56  
papers

2,406  
citations

30  
h-index

48  
g-index

59  
ext. papers

2,778  
ext. citations

7  
avg, IF

4.23  
L-index

#	Paper	IF	Citations
56	Absence of triadin, a protein of the calcium release complex, is responsible for cardiac arrhythmia with sudden death in human. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 2759-67	5.6	199
55	Leaky RyR2 trigger ventricular arrhythmias in Duchenne muscular dystrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 1559-64	11.5	163
54	Depressing mitochondria-reticulum interactions protects cardiomyocytes from lethal hypoxia-reoxygenation injury. <i>Circulation</i> , <b>2013</b> , 128, 1555-65	16.7	159
53	AMPK activation stimulates autophagy and ameliorates muscular dystrophy in the mdx mouse diaphragm. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 583-92	5.8	151
52	Critical role for stromal interaction molecule 1 in cardiac hypertrophy. <i>Circulation</i> , <b>2011</b> , 124, 796-805	16.7	124
51	Mitochondrial production of reactive oxygen species contributes to the $\beta$ -adrenergic stimulation of mouse cardiomyocytes. <i>Journal of Physiology</i> , <b>2011</b> , 589, 1791-801	3.9	92
50	Effects of palmitate on $Ca^{2+}$ handling in adult control and ob/ob cardiomyocytes: impact of mitochondrial reactive oxygen species. <i>Diabetes</i> , <b>2007</b> , 56, 1136-42	0.9	91
49	Disruption of calcium transfer from ER to mitochondria links alterations of mitochondria-associated ER membrane integrity to hepatic insulin resistance. <i>Diabetologia</i> , <b>2016</b> , 59, 614-23	10.3	85
48	Ryanodine receptor leak mediated by caspase-8 activation leads to left ventricular injury after myocardial ischemia-reperfusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 13258-63	11.5	77
47	The role of $Ca^{2+}$ influx for insulin-mediated glucose uptake in skeletal muscle. <i>Diabetes</i> , <b>2006</b> , 55, 2077-83	8.9	69
46	Insulin and inositol 1,4,5-trisphosphate trigger abnormal cytosolic $Ca^{2+}$ transients and reveal mitochondrial $Ca^{2+}$ handling defects in cardiomyocytes of ob/ob mice. <i>Diabetes</i> , <b>2005</b> , 54, 2375-81	0.9	67
45	Multifunctional Mitochondrial Epac1 Controls Myocardial Cell Death. <i>Circulation Research</i> , <b>2017</b> , 120, 645-657	15.7	57
44	Regulation of cAMP homeostasis by the efflux protein MRP4 in cardiac myocytes. <i>FASEB Journal</i> , <b>2012</b> , 26, 1009-17	0.9	54
43	TNF- $\alpha$ -mediated caspase-8 activation induces ROS production and TRPM2 activation in adult ventricular myocytes. <i>Cardiovascular Research</i> , <b>2014</b> , 103, 90-9	9.9	51
42	ER-mitochondria cross-talk is regulated by the Ca sensor NCS1 and is impaired in Wolfram syndrome. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	48
41	$Ca^{2+}$ -induced $Ca^{2+}$ entry: how the L-type $Ca^{2+}$ channel remodels its own signalling pathway in cardiac cells. <i>Progress in Biophysics and Molecular Biology</i> , <b>2006</b> , 90, 118-35	4.7	47
40	FKBP12.6 overexpression decreases $Ca^{2+}$ spark amplitude but enhances $[Ca^{2+}]_i$ transient in rat cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2004</b> , 287, H1987-93	5.2	45

39	Ca <sup>2+</sup> -dependent reduction of IK1 in rat ventricular cells: a novel paradigm for arrhythmia in heart failure?. <i>Cardiovascular Research</i> , <b>2005</b> , 68, 204-12	9.9	44
38	Insulin potentiates TRPC3-mediated cation currents in normal but not in insulin-resistant mouse cardiomyocytes. <i>Cardiovascular Research</i> , <b>2007</b> , 73, 376-85	9.9	40
37	Activation of Sonic hedgehog signaling in ventricular cardiomyocytes exerts cardioprotection against ischemia reperfusion injuries. <i>Scientific Reports</i> , <b>2015</b> , 5, 7983	4.9	39
36	T cell-mediated inflammation in adipose tissue does not cause insulin resistance in hyperlipidemic mice. <i>Circulation Research</i> , <b>2009</b> , 104, 961-8	15.7	37
35	Increase in Cardiac Ischemia-Reperfusion Injuries in Opa1 <sup>+/-</sup> Mouse Model. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164066	6.7	37
34	Carnitine deficiency induces a short QT syndrome. <i>Heart Rhythm</i> , <b>2016</b> , 13, 165-74	6.7	36
33	The energy disruptor metformin targets mitochondrial integrity via modification of calcium flux in cancer cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 5040	4.9	36
32	ATP/UTP activate cation-permeable channels with TRPC3/7 properties in rat cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H21-8	5.2	34
31	Non-enzymatic oxidized metabolite of DHA, 4(RS)-4-F-neuroprostane protects the heart against reperfusion injury. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 102, 229-239	7.8	33
30	Palmitoyl-carnitine increases RyR2 oxidation and sarcoplasmic reticulum Ca <sup>2+</sup> leak in cardiomyocytes: Role of adenine nucleotide translocase. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2015</b> , 1852, 749-58	6.9	33
29	Ca <sup>2+</sup> current-mediated regulation of action potential by pacing rate in rat ventricular myocytes. <i>Cardiovascular Research</i> , <b>2003</b> , 57, 670-80	9.9	32
28	Interest of colchicine in the treatment of acute myocardial infarct responsible for heart failure in a mouse model. <i>International Journal of Cardiology</i> , <b>2017</b> , 240, 347-353	3.2	31
27	Type 2 ryanodine receptor: a novel therapeutic target in myocardial ischemia/reperfusion. <i>Pharmacology &amp; Therapeutics</i> , <b>2013</b> , 138, 323-32	13.9	31
26	Emergence of Orai3 activity during cardiac hypertrophy. <i>Cardiovascular Research</i> , <b>2015</b> , 105, 248-59	9.9	28
25	Frequency-dependent and proarrhythmogenic effects of FK-506 in rat ventricular cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 288, H778-86	5.2	26
24	SR33805, a Ca <sup>2+</sup> antagonist with length-dependent Ca <sup>2+</sup> -sensitizing properties in cardiac myocytes. <i>British Journal of Pharmacology</i> , <b>2003</b> , 139, 99-108	8.6	25
23	Functional evidence for an active role of B-type natriuretic peptide in cardiac remodelling and pro-arrhythmogenicity. <i>Cardiovascular Research</i> , <b>2012</b> , 95, 59-68	9.9	24
22	Atomic force and electron microscopic-based study of sarcolemmal surface of living cardiomyocytes unveils unexpected mitochondrial shift in heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 74, 162-72	5.8	22

21	Carbon monoxide exposure enhances arrhythmia after cardiac stress: involvement of oxidative stress. <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 1235-46	11.8	21
20	Subendocardial increase in reactive oxygen species production affects regional contractile function in ischemic heart failure. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 1009-20	8.4	20
19	ER stress disturbs SR/ER-mitochondria Ca transfer: Implications in Duchenne muscular dystrophy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 2229-2239	6.9	19
18	Cysteinyl leukotriene signaling through perinuclear CysLT(1) receptors on vascular smooth muscle cells transduces nuclear calcium signaling and alterations of gene expression. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 1223-31	5.5	18
17	The Role of Reactive Oxygen Species in $\beta$ Adrenergic Signaling in Cardiomyocytes from Mice with the Metabolic Syndrome. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167090	3.7	14
16	The Complex QT/RR Relationship in Mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 25388	4.9	14
15	Anti-inflammatory drugs as promising cardiovascular treatments. <i>Expert Review of Cardiovascular Therapy</i> , <b>2017</b> , 15, 109-125	2.5	13
14	$\beta$ Adrenergic blockade combined with subcutaneous B-type natriuretic peptide: a promising approach to reduce ventricular arrhythmia in heart failure?. <i>Heart</i> , <b>2014</b> , 100, 833-41	5.1	12
13	Thyroid hormone receptor alpha can control action potential duration in mouse ventricular myocytes through the KCNE1 ion channel subunit. <i>Acta Physiologica</i> , <b>2010</b> , 198, 133-42	5.6	12
12	Colchicine and myocardial infarction: A review. <i>Archives of Cardiovascular Diseases</i> , <b>2020</b> , 113, 652-659	2.7	11
11	Interplay between Triadin and Calsequestrin in the Pathogenesis of CPVT in the Mouse. <i>Molecular Therapy</i> , <b>2020</b> , 28, 171-179	11.7	11
10	Involvement of Cyclophilin D and Calcium in Isoflurane-induced Preconditioning. <i>Anesthesiology</i> , <b>2015</b> , 123, 1374-84	4.3	10
9	STIM1 and Orai in cardiac hypertrophy and vascular proliferative diseases. <i>Frontiers in Bioscience - Scholar</i> , <b>2013</b> , 5, 766-73	2.4	10
8	Endothelial Cell Indoleamine 2, 3-Dioxygenase 1 Alters Cardiac Function After Myocardial Infarction Through Kynurenine. <i>Circulation</i> , <b>2021</b> , 143, 566-580	16.7	10
7	Metformin Reverses the Enhanced Myocardial SR/ER-Mitochondria Interaction and Impaired Complex I-Driven Respiration in Dystrophin-Deficient Mice. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 609493	5.7	10
6	Enhanced cardiomyocyte Ca(2+) cycling precedes terminal AV-block in mitochondrial cardiomyopathy Mterf3 KO mice. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 15, 2455-64	8.4	9
5	Cardiomyocytes hypertrophic status after myocardial infarction determines distinct types of arrhythmia: role of the ryanodine receptor. <i>Progress in Biophysics and Molecular Biology</i> , <b>2010</b> , 103, 71-80	4.7	9
4	Low-dose colchicine prevents sympathetic denervation after myocardial ischemia-reperfusion: a new potential protective mechanism. <i>Future Science OA</i> , <b>2020</b> , 7, FSO656	2.7	4

3	Reactive Oxygen Species and Muscular Dystrophy <b>2014</b> , 3055-3079		3
2	Cyclic AMP-binding protein Epac1 acts as a metabolic sensor to promote cardiomyocyte lipotoxicity. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 824	9.8	1
1	Reply concerning "Colchicine in coronary artery disease: Role of anti-inflammatory medications redefined": Prime time for anti-inflammatory agents for the management of cardiovascular diseases. <i>International Journal of Cardiology</i> , <b>2018</b> , 254, 52	3.2	