Jean-pierre Benitah

List of Publications by Year
in descending order

76	2,867	147786	168376
papers	citations	31 h-index	53 g-index

78	78	78	3237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aldosterone-Induced Sarco/Endoplasmic Reticulum Ca2+ Pump Upregulation Counterbalances Cav1.2-Mediated Ca2+ Influx in Mesenteric Arteries. Frontiers in Physiology, 2022, 13, 834220.	2.8	1
2	Heart failure in mice induces a dysfunction of the sinus node associated with reduced CaMKII signaling. Journal of General Physiology, 2022, 154, .	1.9	7
3	Commentary on structures of the junctophilin/voltage-gated calcium channel interface reveal hot spot for cardiomyopathy mutations. Cell Calcium, 2022, 104, 102592.	2.4	0
4	Is the Debate on the Flecainide Action on the RYR2 in CPVT Closed?. Circulation Research, 2021, 128, 332-334.	4.5	3
5	Impaired Binding to Junctophilin-2 and Nanostructural Alteration in CPVT Mutation. Circulation Research, 2021, 129, e35-e52.	4.5	19
6	The role of hyperglycaemia in the development of diabetic cardiomyopathy. Archives of Cardiovascular Diseases, 2021, 114, 748-760.	1.6	24
7	RyR2 and Calcium Release in Heart Failure. Frontiers in Physiology, 2021, 12, 734210.	2.8	31
8	Specific Upregulation of TRPC1 and TRPC5 Channels by Mineralocorticoid Pathway in Adult Rat Ventricular Cardiomyocytes. Cells, 2020, 9, 47.	4.1	13
9	Orai1 Channel Inhibition Preserves Left Ventricular Systolic Function and Normal Ca ²⁺ Handling After Pressure Overload. Circulation, 2020, 141, 199-216.	1.6	42
10	Targeting Orai1-Mediated Store-Operated Ca2+ Entry in Heart Failure. Frontiers in Cell and Developmental Biology, 2020, 8, 586109.	3.7	7
11	Response by Benitah et al to Letter Regarding Article, â€œOrai1 Channel Inhibition Preserves Left Ventricular Systolic Function and Normal Ca ²⁺ Handling After Pressure Overloadâ€: Circulation, 2020, 141, e839-e840.	1.6	1
12	Activation of sarcolipin expression and altered calcium cycling in LMNA cardiomyopathy. Biochemistry and Biophysics Reports, 2020, 22, 100767.	1.3	11
13	Progression of excitation-contraction coupling defects in doxorubicin cardiotoxicity. Journal of Molecular and Cellular Cardiology, 2019, 126, 129-139.	1.9	30
14	Specific Activation of the Alternative Cardiac Promoter of Cacna1c by the Mineralocorticoid Receptor. Circulation Research, 2018, 122, e49-e61.	4.5	15
15	Ca2+ handling remodeling and STIM1L/Orai1/TRPC1/TRPC4 upregulation in monocrotaline-induced right ventricular hypertrophy. Journal of Molecular and Cellular Cardiology, 2018, 118, 208-224.	1.9	58
16	Cardiac CaV1.2 Signature Induced by Mineralocorticoid in Vessels. Biophysical Journal, 2018, 114, 627a.	0.5	0
17	Mineralocorticoid Receptor in Calcium Handling of Vascular Smooth Muscle Cells. , 2018, , .		1
18	Urocortin-2 Prevents Dysregulation of Ca2+ Homeostasis and Improves Early Cardiac Remodeling After Ischemia and Reperfusion. Frontiers in Physiology, 2018, 9, 813.	2.8	21

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19	Arrhythmias precede cardiomyopathy and remodeling of Ca2+ handling proteins in a novel model of long QT syndrome. Journal of Molecular and Cellular Cardiology, 2018, 123, 13-25.	1.9	5
20	Functional Effects of the RyR 2 R420Q Catecholaminergic Ventricular Polymorphic Tachycardia in Mouse Cardiomyocytes. Biophysical Journal, 2017, 112, 94a.	0.5	0
21	Mechanism of Sinoatrial Node Dysfunction in a RyR 2 R420Q Mouse Model Ofcatecholaminergic Polymorphic Ventricular Tachycardia. Biophysical Journal, 2017, 112, 541a.	0.5	0
22	Contribution of Orai1 to Sex-Based Differences in Cardiac Excitation-Contraction Coupling. Biophysical Journal, 2017, 112, 538a.	0.5	0
23	Beneficial effects of leptin treatment in a setting of cardiac dysfunction induced by transverse aortic constriction in mouse. Journal of Physiology, 2017, 595, 4227-4243.	2.9	19
24	RyR2R420Q catecholaminergic polymorphic ventricular tachycardia mutation induces bradycardia by disturbing the coupled clock pacemaker mechanism. JCI Insight, 2017, 2, .	5.0	24
25	Enhanced RyR2 Channel Activity but Reduced Ca2+ Spark Occurrence In Failing Mice Cardiomyocytes. Biophysical Journal, 2016, 110, 267a-268a.	0.5	0
26	Switchable Cardiac L Type Ca2+ Channel Transcript by Mineralocorticoid Pathway. Biophysical Journal, 2016, 110, 438a-439a.	0.5	0
27	Transient Receptor Potential Canonical (TRPC)/Orai1-dependent Store-operated Ca2+ Channels. Journal of Biological Chemistry, 2016, 291, 13394-13409.	3.4	69
28	Store Operated Calcium Channels, New Targets of Aldosterone in Cardiomyocytes. Biophysical Journal, 2016, 110, 611a.	0.5	0
29	Loss of PI3K-Gamma Scaffold Function causes Severe Electrical Remodeling in Mice Ventricular Myocytes. Biophysical Journal, 2015, 108, 272a-273a.	0.5	0
30	Reconciling depressed Ca2+ sparks occurrence with enhanced RyR2 activity in failing mice cardiomyocytes. Journal of General Physiology, 2015, 146, 295-306.	1.9	28
31	Proarrhythmic effect of sustained EPAC activation on TRPC3/4 in rat ventricular cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2015, 87, 74-78.	1.9	46
32	Calcium signaling in diabetic cardiomyocytes. Cell Calcium, 2014, 56, 372-380.	2.4	59
33	Calcium Handling in Experimental Models of Doxorubicin and Radiation-Induced Cardiotoxicity. Biophysical Journal, 2014, 106, 113a.	0.5	0
34	Non-Hypertensive Dosis of Leptin Induce Cardiac Dysfunction and Altered Calcium Handling in Mice. Biophysical Journal, 2014, 106, 534a.	0.5	0
35	P676Mechanisms of sinoatrial node dysfunction in RyR2(R420Q) mice model of catecholaminergic polymorphic ventricular tachycardia. Cardiovascular Research, 2014, 103, S123.1-S123.	3.8	0
36	Epac in cardiac calcium signaling. Journal of Molecular and Cellular Cardiology, 2013, 58, 162-171.	1.9	50

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37	Epac Effects on Cardiac Ionic Currents. Biophysical Journal, 2013, 104, 282a.	0.5	0
38	Abnormal Ca2+ Spark/STOC Coupling in Cerebral Artery Smooth Muscle Cells of Obese Type 2 Diabetic Mice. PLoS ONE, 2013, 8, e53321.	2.5	34
39	Ca2+ Fluxes Involvement in Gene Expression During Cardiac Hypertrophy. Current Vascular Pharmacology, 2013, 11, 497-506.	1.7	40
40	The other side of cardiac Ca2+ signaling: transcriptional control. Frontiers in Physiology, 2012, 3, 452.	2.8	23
41	Paradoxical Effect of Increased Diastolic Ca ²⁺ Release and Decreased Sinoatrial Node Activity in a Mouse Model of Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation, 2012, 126, 392-401.	1.6	77
42	Oral abstract presentations. Cardiovascular Research, 2012, 93, S5-S8.	3.8	0
43	Sustained Epac activation induces calmodulin dependent positive inotropic effect in adult cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2012, 53, 617-625.	1.9	28
44	In Vitro Characterization of a Novel N-Terminal CPVT RyR Mutation. Biophysical Journal, 2012, 102, 308a.	0.5	0
45	Epac enhances excitationâ€“transcription coupling in cardiac myocytes. Journal of Molecular and Cellular Cardiology, 2012, 52, 283-291.	1.9	64
46	Transcriptional Up-Regulation by Aldosterone of the Cardiac Cav1.2 Encoding Gene CACNA1C. Biophysical Journal, 2012, 102, 127a.	0.5	0
47	L-Type Ca2+ Current in Cardiac Arrhythmias. , 2012, , .		0
48	RyRCa2+ Leak Limits Cardiac Ca2+ Window Current Overcoming the Tonic Effect of Calmodulin in Mice. PLoS ONE, 2011, 6, e20863.	2.5	11
49	Cardioprotective action of urocortin in postconditioning involves recovery of intracellular calcium handling. Cell Calcium, 2011, 50, 84-90.	2.4	18
50	L-type Ca2+ current in ventricular cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2010, 48, 26-36.	1.9	155
51	Increased Ca ²⁺ Sensitivity of the Ryanodine Receptor Mutant RyR2 ^{R4496C} Underlies Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation Research, 2009, 104, 201-209.	4.5	137
52	Mineralocorticoid Modulation of Cardiac Ryanodine Receptor Activity Is Associated With Downregulation of FK506-Binding Proteins. Circulation, 2009, 119, 2179-2187.	1.6	88
53	Conditional FKBP12.6 Overexpression in Mouse Cardiac Myocytes Prevents Triggered Ventricular Tachycardia Through Specific Alterations in Excitation- Contraction Coupling. Circulation, 2008, 117, 1778-1786.	1.6	57
54	Cardiomyocyte Overexpression of Neuronal Nitric Oxide Synthase Delays Transition Toward Heart Failure in Response to Pressure Overload by Preserving Calcium Cycling. Circulation, 2008, 117, 3187-3198.	1.6	73

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55	Conditional glucocorticoid receptor expression in the heart induces atrioâ€ventricular block. FASEB Journal, 2007, 21, 3133-3141.	0.5	53
56	Conditional Fkbp12.6 overexpression in mouse cardiac myocytes protects from triggered ventricular arrhythmia. Journal of Molecular and Cellular Cardiology, 2007, 42, S3-S4.	1.9	0
57	The cAMP binding protein Epac modulates Ca2+sparks by a Ca2+/calmodulin kinase signalling pathway in rat cardiac myocytes. Journal of Physiology, 2007, 583, 685-694.	2.9	179
58	â€˜Ca2+-induced Ca2+ entryâ€™ or how the L-type Ca2+ channel remodels its own signalling pathway in cardiac cells. Progress in Biophysics and Molecular Biology, 2006, 90, 118-135.	2.9	57
59	A direct relationship between plasma aldosterone and cardiac L-type Ca2+current in mice. Journal of Physiology, 2005, 569, 153-162.	2.9	58
60	Aldosterone increases T-type calcium channel expression and in vitro beating frequency in neonatal rat cardiomyocytes. Cardiovascular Research, 2005, 67, 216-224.	3.8	110
61	Conditional Mineralocorticoid Receptor Expression in the Heart Leads to Life-Threatening Arrhythmias. Circulation, 2005, 111, 3025-3033.	1.6	240
62	Neuropeptide Y rapidly enhances [Ca] transients and Ca sparks in adult rat ventricular myocytes through Y receptor and PLC activation. Journal of Molecular and Cellular Cardiology, 2005, 38, 205-212.	1.9	56
63	Direct and Indirect Effects of Aldosterone on Cyclooxygenase-2 and Interleukin-6 Expression in Rat Cardiac Cells in Culture and after Myocardial Infarction. Endocrinology, 2004, 145, 3135-3142.	2.8	26
64	Ca2+ Controls Functional Expression of the Cardiac K+ Transient Outward Current via the Calcineurin Pathway. Journal of Biological Chemistry, 2004, 279, 40634-40639.	3.4	40
65	Mineralocorticoid Receptor Antagonism Prevents the Electrical Remodeling That Precedes Cellular Hypertrophy After Myocardial Infarction. Circulation, 2004, 110, 776-783.	1.6	121
66	Altered communication between l-type calcium channels and ryanodine receptors in heart failure. Frontiers in Bioscience - Landmark, 2002, 7, e263.	3.0	38
67	Effects of aldosterone on transient outward K + current density in rat ventricular myocytes. Journal of Physiology, 2001, 537, 151-160.	2.9	99
68	Molecular Dynamics of the Sodium Channel Pore Vary with Gating: Interactions between P-Segment Motions and Inactivation. Journal of Neuroscience, 1999, 19, 1577-1585.	3.6	54
69	Cluster Organization and Pore Structure of Ion Channels Formed by Beticolin 3, a Nonpeptidic Fungal Toxin. Biophysical Journal, 1999, 77, 3052-3059.	0.5	24
70	Molecular motions within the pore of voltage-dependent sodium channels. Biophysical Journal, 1997, 73, 603-613.	0.5	57
71	Proton Inhibition of Sodium Channels: Mechanism of Gating Shifts and Reduced Conductance. Journal of Membrane Biology, 1997, 155, 121-131.	2.1	29
72	Adjacent pore-lining residues within sodium channels identified by paired cysteine mutagenesis.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7392-7396.	7.1	57

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73	Heterogeneity of the early outward current in ventricular cells isolated from normal and hypertrophied rat hearts.. Journal of Physiology, 1993, 469, 111-138.	2.9	124
74	Pro-arrhythmic effect of nicorandil in isolated rabbit atria and its suppression by tolbutamide and quinidine. European Journal of Pharmacology, 1992, 229, 91-96.	3.5	15
75	Slow inward current in single cells isolated from adult human ventricles. Pflugers Archiv European Journal of Physiology, 1992, 421, 176-187.	2.8	36
76	Ryanodine Receptor Channelopathies: The New Kid in the Arrhythmia Neighborhood. , 0, , .		5