Xander H T Wehrens

List of Publications by Year
in descending order

264 papers	18,152 citations	11651 70 h-index	15732 125 g-index
275 all docs	275 docs citations	275 times ranked	15196 citing authors

#	Article	IF	Citations
1	Genetic inhibition of nuclear factor of activated T-cell c2 prevents atrial fibrillation in CREM transgenic mice. Cardiovascular Research, 2022, 118, 2805-2818.	3.8	12
2	The role of junctophilin proteins in cellular function. Physiological Reviews, 2022, 102, 1211-1261.	28.8	25
3	Targeting calcium-mediated inter-organellar crosstalk in cardiac diseases. Expert Opinion on Therapeutic Targets, 2022, 26, 303-317.	3.4	6
4	Diagnosing atrial fibrillation: Can we do better than the ECG?. Heart Rhythm, 2022, , .	0.7	0
5	SPEG: a key regulator of cardiac calcium homeostasis. Cardiovascular Research, 2021, 117, 2175-2185.	3.8	20
6	Crucial Role of Mammalian Glutaredoxin 3 in Cardiac Energy Metabolism in Diet-induced Obese Mice Revealed by Transcriptome Analysis. International Journal of Biological Sciences, 2021, 17, 2871-2883.	6.4	3
7	Reversible cardiac disease features in an inducible CUG repeat RNAâ€“expressing mouse model of myotonic dystrophy. JCI Insight, 2021, 6, .	5.0	10
8	Phosphorylation-Dependent Interactome of Ryanodine Receptor Type 2 in the Heart. Proteomes, 2021, 9, 27.	3.5	10
9	Efficacy of RyR2 inhibitor EL20 in induced pluripotent stem cellâ€derived cardiomyocytes from a patient with catecholaminergic polymorphic ventricular tachycardia. Journal of Cellular and Molecular Medicine, 2021, 25, 6115-6124.	3.6	16
10	Genetic testing in ambulatory cardiology clinics reveals high rate of findings with clinical management implications. Genetics in Medicine, 2021, 23, 2404-2414.	2.4	14
11	Atrial-Specific LKB1 Knockdown Represents a Novel Mouse Model of Atrial Cardiomyopathy With Spontaneous Atrial Fibrillation. Circulation, 2021, 144, 909-912.	1.6	10
12	Cellular regeneration as a potential strategy to treat cardiac conduction disorders. Journal of Clinical Investigation, 2021, 131, .	8.2	1
13	Mechanisms underlying pathological Ca2+ handling in diseases of the heart. Pflugers Archiv European Journal of Physiology, 2021, 473, 331-347.	2.8	12
14	Irisin: A Promising Target for Ischemia-Reperfusion Injury Therapy. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-16.	4.0	7
15	TBX5 â€encoded Tâ€box transcription factor 5 variant T223M is associated with long QT syndrome and pediatric sudden cardiac death. American Journal of Medical Genetics, Part A, 2021, 185, 923-929.	1.2	4
16	Gut microbiota - a key regulator of aging-associated atrial fibrillation?. Cardiovascular Research, 2021, , .	3.8	2
17	Inhibition of the Anti-Apoptotic Bcl-2 Family by BH3 Mimetics Sensitize the Mitochondrial Permeability Transition Pore Through Bax and Bak. Frontiers in Cell and Developmental Biology, 2021, 9, 765973.	3.7	15
18	Calmodulin kinase II regulates atrial myocyte late sodium current, calcium handling, and atrial arrhythmia. Heart Rhythm, 2020, 17, 503-511.	0.7	34

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19	Exercise restores dysregulated gene expression in a mouse model of arrhythmogenic cardiomyopathy. Cardiovascular Research, 2020, 116, 1199-1213.	3.8	44
20	Targeting pathological leak of ryanodine receptors: preclinical progress and the potential impact on treatments for cardiac arrhythmias and heart failure. Expert Opinion on Therapeutic Targets, 2020, 24, 25-36.	3.4	37
21	Loss of SPEG Inhibitory Phosphorylation of Ryanodine Receptor Type-2 Promotes Atrial Fibrillation. Circulation, 2020, 142, 1159-1172.	1.6	54
22	Atrial Myocyte NLRP3/CaMKII Nexus Forms a Substrate for Postoperative Atrial Fibrillation. Circulation Research, 2020, 127, 1036-1055.	4.5	152
23	MYOSIN LIGHT CHAIN DEPHOSPHORYLATION BY PPP1R12C PROMOTES ATRIAL HYPOCONTRACTILITY IN ATRIAL FIBRILLATION. Journal of the American College of Cardiology, 2020, 75, 373.	2.8	0
24	Paracrine signalling by cardiac calcitonin controls atrial fibrogenesis and arrhythmia. Nature, 2020, 587, 460-465.	27.8	55
25	<scp>Wolffâ€“Parkinsonâ€“White</scp> syndrome: De novo variants and evidence for mutational burden in genes associated with atrial fibrillation. American Journal of Medical Genetics, Part A, 2020, 182, 1387-1399.	1.2	14
26	Cardiac dysregulation following intrahippocampal kainate-induced status epilepticus. Scientific Reports, 2020, 10, 4043.	3.3	2
27	Nuclear localization of a novel calpain-2 mediated junctophilin-2 C-terminal cleavage peptide promotes cardiomyocyte remodeling. Basic Research in Cardiology, 2020, 115, 49.	5.9	36
28	Genetic basis and molecular biology of cardiac arrhythmias in cardiomyopathies. Cardiovascular Research, 2020, 116, 1600-1619.	3.8	28
29	Determinants of Ca2+ release restitution: Insights from genetically altered animals and mathematical modeling. Journal of General Physiology, 2020, 152, .	1.9	6
30	Prevention of connexin-43 remodeling protects against Duchenne muscular dystrophy cardiomyopathy. Journal of Clinical Investigation, 2020, 130, 1713-1727.	8.2	52
31	Abstract WMP39: Protein Phosphatase 1 Regulatory Subunit 12C Contributes to Atrial Myosin Light Chain Dephosphorylation in Atrial Fibrillation. Stroke, 2020, 51, .	2.0	0
32	The Role of Non-coding RNAs in Ischemic Myocardial Reperfusion Injury. Cardiovascular Drugs and Therapy, 2019, 33, 489-498.	2.6	22
33	Depletion of Endothelial Prolyl Hydroxylase Domain Protein 2 and 3 Promotes Cardiomyocyte Proliferation and Prevents Ventricular Failure Induced by Myocardial Infarction. Circulation, 2019, 140, 440-442.	1.6	17
34	Analysis of enriched rare variants in JPH2-encoded junctophilin-2 among Greater Middle Eastern individuals reveals a novel homozygous variant associated with neonatal dilated cardiomyopathy. Scientific Reports, 2019, 9, 9038.	3.3	22
35	Loss of Protein Phosphatase 1 Regulatory Subunit PPP1R3A Promotes Atrial Fibrillation. Circulation, 2019, 140, 681-693.	1.6	47
36	Regulation of the RyR2 Calcium Release Channel by SPEG. Biophysical Journal, 2019, 116, 462a.	0.5	0

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37	Cardiacâ€specific ablation of glutaredoxin 3 leads to cardiac hypertrophy and heart failure. Physiological Reports, 2019, 7, e14071.	1.7	15
38	YAP Partially Reprograms Chromatin Accessibility to Directly Induce Adult Cardiogenesis InÂVivo. Developmental Cell, 2019, 48, 765-779.e7.	7.0	171
39	Ablation of phospholamban rescues reperfusion arrhythmias but exacerbates myocardium infarction in hearts with Ca2+/calmodulin kinase II constitutive phosphorylation of ryanodine receptors. Cardiovascular Research, 2019, 115, 556-569.	3.8	27
40	Protein Phosphatase 2A Regulates Cardiac Na ⁺ Channels. Circulation Research, 2019, 124, 737-746.	4.5	34
41	Atrial-Specific Gene Delivery Using an Adeno-Associated Viral Vector. Circulation Research, 2019, 124, 256-262.	4.5	48
42	Ranolazine prevents pressure overloadâ€induced cardiac hypertrophy and heart failure by restoring aberrant Na⁺ and Ca²⁺ handling. Journal of Cellular Physiology, 2019, 234, 11587-11601.	4.1	46
43	Junctophilin-2 expression rescues atrial dysfunction through polyadic junctional membrane complex biogenesis. JCI Insight, 2019, 4, .	5.0	23
44	Abstract 215: Assessing the Efficacy of Novel RYR2 Inhibitor, EL20, in Induced Pluripotent Stem Cell Derived Cardiomyocytes from a Catecholaminergic Polymorphic Ventricular Tachycardia Patient. Circulation Research, 2019, 125, .	4.5	0
45	Genetics of atrial fibrillation. Current Opinion in Cardiology, 2018, 33, 304-310.	1.8	13
46	Myocardial remodeling and susceptibility to ventricular tachycardia in a model of chronic epilepsy. Epilepsia Open, 2018, 3, 213-223.	2.4	11
47	Oxidized CaMKII (Ca ²⁺ /Calmodulin-Dependent Protein Kinase II) Is Essential for Ventricular Arrhythmia in a Mouse Model of Duchenne Muscular Dystrophy. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005682.	4.8	39
48	Rearrangement of the Protein Phosphatase 1 Interactome During Heart Failure Progression. Circulation, 2018, 138, 1569-1581.	1.6	16
49	EL20, a potent antiarrhythmic compound, selectively inhibits calmodulin-deficient ryanodine receptor type 2. Heart Rhythm, 2018, 15, 578-586.	0.7	26
50	Early effects of Epac depend on the fine-tuning of the sarcoplasmic reticulum Ca2+ handling in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2018, 114, 1-9.	1.9	7
51	The Molecular Pathophysiology of Atrial Fibrillation. , 2018, , 396-408.		1
52	Cardiac troponin Iâ€"more than a biomarker for myocardial ischemia?. Annals of Translational Medicine, 2018, 6, S17-S17.	1.7	10
53	Novel role of the protein phosphatase 1 regulatory subunit PPP1R3A in atrial fibrillation. Journal of Molecular and Cellular Cardiology, 2018, 124, 108.	1.9	1
54	Profibrotic, Electrical, and Calcium-Handling Remodeling of the Atria in Heart Failure Patients With and Without Atrial Fibrillation. Frontiers in Physiology, 2018, 9, 1383.	2.8	77

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55	In Vivo Ryr 2 Editing Corrects Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation Research, 2018, 123, 953-963.	4.5	63
56	CRISPRâ€Mediated Expression of the Fetal Scn5a Isoform in Adult Mice Causes Conduction Defects and Arrhythmias. Journal of the American Heart Association, 2018, 7, e010393.	3.7	24
57	Unraveling the Mechanisms by Which Calpain Inhibition Prevents Heart Failure Development. JACC Basic To Translational Science, 2018, 3, 518-520.	4.1	2
58	Enhanced Cardiomyocyte NLRP3 Inflammasome Signaling Promotes Atrial Fibrillation. Circulation, 2018, 138, 2227-2242.	1.6	376
59	Phosphorylation of the Type 2 Ryanodine Receptors Plays a Role in the Organization of their Array. Biophysical Journal, 2018, 114, 622a.	0.5	0
60	Pro-arrhythmic RyR2 channels in heart failure: do their localisation and mechanism of activation really matter?. Cardiovascular Research, 2018, 114, 1428-1429.	3.8	1
61	Mouse Models of Cardiac Arrhythmias. Circulation Research, 2018, 123, 332-334.	4.5	36
62	STAT3: a link between CaMKIIâ€“Î²IV-spectrin and maladaptive remodeling?. Journal of Clinical Investigation, 2018, 128, 5219-5221.	8.2	5
63	Abstract 252: Downregulated Striated Muscle Preferentially Expressed Protein Kinase Enhances Susceptibility to Post-Operative Atrial Fibrillation. Circulation Research, 2018, 123, .	4.5	0
64	Serine/Threonine Phosphatases in Atrial Fibrillation. Journal of Molecular and Cellular Cardiology, 2017, 103, 110-120.	1.9	34
65	Calciumâ€calmodulinâ€dependent protein kinase mediates the intracellular signalling pathways of cardiac apoptosis in mice with impaired glucose tolerance. Journal of Physiology, 2017, 595, 4089-4108.	2.9	46
66	Calciumâ€mediated cellular triggered activity in atrial fibrillation. Journal of Physiology, 2017, 595, 4001-4008.	2.9	57
67	Calcium Signaling and Cardiac Arrhythmias. Circulation Research, 2017, 120, 1969-1993.	4.5	368
68	RyR2 Tetramer Distributions in Ventricular Myocytes from Phosphomutant Mice. Biophysical Journal, 2017, 112, 161a.	0.5	2
69	Novel Junctophilin-2 Mutation A405S Is Associated With Basal Septal Hypertrophy and Diastolic Dysfunction. JACC Basic To Translational Science, 2017, 2, 56-67.	4.1	22
70	Loss of glutaredoxin 3 impedes mammary lobuloalveolar development during pregnancy and lactation. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E136-E149.	3.5	9
71	Distinct Cellular Basis for Early Cardiac Arrhythmias, the Cardinal Manifestation of Arrhythmogenic Cardiomyopathy, and the Skin Phenotype of Cardiocutaneous Syndromes. Circulation Research, 2017, 121, 1346-1359.	4.5	26
72	CaMKII oxidation causes increased atrial fibrillation in diabetic mice. Journal of Molecular and Cellular Cardiology, 2017, 112, 161-162.	1.9	1

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73	Circadian Variation of Ventricular Arrhythmias in Catecholaminergic Polymorphic Ventricular Tachycardia. JACC: Clinical Electrophysiology, 2017, 3, 1308-1317.	3.2	15
74	Enhanced Activation of Inflammasome Promotes Atrial Fibrillation. Journal of Molecular and Cellular Cardiology, 2017, 112, 147.	1.9	3
75	Treatment of catecholaminergic polymorphic ventricular tachycardia in mice using novel RyR2-modifying drugs. International Journal of Cardiology, 2017, 227, 668-673.	1.7	27
76	SPEG (Striated Muscle Preferentially Expressed Protein Kinase) Is Essential for Cardiac Function by Regulating Junctional Membrane Complex Activity. Circulation Research, 2017, 120, 110-119.	4.5	86
77	Hemodynamic and Pathologic Characterization of the TASK-1â^'/â^' Mouse Does Not Demonstrate Pulmonary Hypertension. Frontiers in Medicine, 2017, 4, 177.	2.6	17
78	Tead1 is required for maintaining adult cardiomyocyte function, and its loss results in lethal dilated cardiomyopathy. JCI Insight, 2017, 2, .	5.0	42
79	Abstract 70: Protein Phosphatase 1 Contributes to Atrial Stunning in Atrial Fibrillation. Circulation Research, 2017, 121, .	4.5	0
80	Phospholamban ablation rescues the enhanced propensity to arrhythmias of mice with CaMKIIâ€constitutive phosphorylation of RyR2 at site S2814. Journal of Physiology, 2016, 594, 3005-3030.	2.9	20
81	Junctophilin-2 in the nanoscale organisation and functional signalling of ryanodine receptor clusters in cardiomyocytes. Journal of Cell Science, 2016, 129, 4388-4398.	2.0	53
82	CaMKII and Heart Failure Promote a Pathological Ryanodine Receptor Conformation that Reduces Calmodulin Binding and Enhances SR Ca2+ Leak. Biophysical Journal, 2016, 110, 599a.	0.5	1
83	Novel Compounds Inhibit Calmodulin Deficient RyR2 Activity and Arrhythmias in a CPVT Mouse Model. Biophysical Journal, 2016, 110, 97a.	0.5	1
84	In silico prediction of drug therapy in catecholaminergic polymorphic ventricular tachycardia. Journal of Physiology, 2016, 594, 567-593.	2.9	35
85	Reversible redox modifications of ryanodine receptor ameliorate ventricular arrhythmias in the ischemic-reperfused heart. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H713-H724.	3.2	22
86	Leaky RyR2 channels unleash a brainstem spreading depolarization mechanism of sudden cardiac death. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4895-903.	7.1	46
87	CaMKII-dependent phosphorylation of RyR2 promotes targetable pathological RyR2 conformational shift. Journal of Molecular and Cellular Cardiology, 2016, 98, 62-72.	1.9	80
88	Regulating the regulator: Insights into the cardiac protein phosphatase 1 interactome. Journal of Molecular and Cellular Cardiology, 2016, 101, 165-172.	1.9	27
89	Junctophilin-2 gene therapy rescues heart failure by normalizing RyR2-mediated Ca2+ release. International Journal of Cardiology, 2016, 225, 371-380.	1.7	73
90	Methyl-CpG binding-protein 2 function in cholinergic neurons mediates cardiac arrhythmogenesis. Human Molecular Genetics, 2016, 25, ddw326.	2.9	15

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91	Reply from Peiâ€Chi Yang, Jonathan D. Moreno, Maoâ€Tsuen Jeng, Xander H. T. Wehrens, Sergei Noskov and Colleen E. Clancy. Journal of Physiology, 2016, 594, 6433-6435.	2.9	1
92	PITX2: a master regulator of cardiac channelopathy in atrial fibrillation?. Cardiovascular Research, 2016, 109, 345-347.	3.8	11
93	Cardiac expression of the CREM repressor isoform CREM-IbÎ"C-X in mice leads to arrhythmogenic alterations in ventricular cardiomyocytes. Basic Research in Cardiology, 2016, 111, 15.	5.9	22
94	Increased Reliance on Muscle-based Thermogenesis upon Acute Minimization of Brown Adipose Tissue Function. Journal of Biological Chemistry, 2016, 291, 17247-17257.	3.4	78
95	Dysregulation of RBFOX2 Is an Early Event in Cardiac Pathogenesis of Diabetes. Cell Reports, 2016, 15, 2200-2213.	6.4	60
96	A Single Protein Kinase A or Calmodulin Kinase II Site Does Not Control the Cardiac Pacemaker Ca 2+ Clock. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e003180.	4.8	8
97	The value of basic research insights into atrial fibrillation mechanisms as a guide to therapeutic innovation: a critical analysis. Cardiovascular Research, 2016, 109, 467-479.	3.8	166
98	Junctophilin-2 at the intersection of arrhythmia and pathologic cardiac remodeling. Heart Rhythm, 2016, 13, 753-754.	0.7	5
99	SRC-1 Regulates Blood Pressure and Aortic Stiffness in Female Mice. PLoS ONE, 2016, 11, e0168644.	2.5	13
100	Connecting enterovirus infection to dystrophin dysfunction in dilated cardiomyopathy. Annals of Translational Medicine, 2016, 4, S23-S23.	1.7	2
101	Crosstalk between RyR2 Oxidation and Phosphorylation Contributes to Cardiomyopathy in Mice with Duchenne Muscular Dystrophy. Biophysical Journal, 2015, 108, 340a.	0.5	0
102	The Ca2+ Clock is Not Governed by a Single CaMKII or PKA Phosphorylation Site for Fight or Flight Responses. Biophysical Journal, 2015, 108, 195a.	0.5	0
103	Neuronally released vasoactive intestinal polypeptide alters atrial electrophysiological properties and may promote atrial fibrillation. Heart Rhythm, 2015, 12, 1352-1361.	0.7	6
104	Crosstalk between RyR2 oxidation and phosphorylation contributes to cardiac dysfunction in mice with Duchenne muscular dystrophy. Journal of Molecular and Cellular Cardiology, 2015, 89, 177-184.	1.9	26
105	Increased atrial arrhythmia susceptibility induced by intense endurance exercise in mice requires TNFÎ±. Nature Communications, 2015, 6, 6018.	12.8	148
106	Alterations in the Interactome of Serine/Threonine Protein Phosphatase Type-1 in Atrial Fibrillation Patients. Journal of the American College of Cardiology, 2015, 65, 163-173.	2.8	38
107	The mitochondrial uniporter controls fight or flight heart rate increases. Nature Communications, 2015, 6, 6081.	12.8	126
108	Identification of microRNAâ€"mRNA dysregulations in paroxysmal atrial fibrillation. International Journal of Cardiology, 2015, 184, 190-197.	1.7	46

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109	CaMKIIÎ´ mediates Î²-adrenergic effects on RyR2 phosphorylation and SR Ca2+ leak and the pathophysiological response to chronic Î²-adrenergic stimulation. Journal of Molecular and Cellular Cardiology, 2015, 85, 282-291.	1.9	69
110	Hrd1 and ER-Associated Protein Degradation, ERAD, Are Critical Elements of the Adaptive ER Stress Response in Cardiac Myocytes. Circulation Research, 2015, 117, 536-546.	4.5	89
111	Itâ€™s not the heart: autonomic nervous system predisposition to lethal ventricular arrhythmias. Heart Rhythm, 2015, 12, 2294-2295.	0.7	4
112	Protein phosphatase 2A regulatory subunit B56Î± limits phosphatase activity in the heart. Science Signaling, 2015, 8, ra72.	3.6	45
113	Expression and function of Kv1.1 potassium channels in human atria from patients with atrial fibrillation. Basic Research in Cardiology, 2015, 110, 505.	5.9	35
114	Genetic Deletion of Rnd3/RhoE Results in Mouse Heart Calcium Leakage Through Upregulation of Protein Kinase A Signaling. Circulation Research, 2015, 116, e1-e10.	4.5	29
115	Loss-of-Function SCN5A Mutations Associated With Sinus Node Dysfunction, Atrial Arrhythmias, and Poor Pacemaker Capture. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1105-1112.	4.8	18
116	CaMKII-Dependent Phosphorylation of RyR2 Causes Domain Unzipping and Reduced Calmodulin Binding, But Dantrolene Reverses These Effects. Biophysical Journal, 2015, 108, 269a-270a.	0.5	0
117	Treatment of cardiac arrhythmias in Rett Syndrome with sodium channel blocking antiepileptic drugs. DMM Disease Models and Mechanisms, 2015, 8, 363-71.	2.4	15
118	PHD2/3-dependent hydroxylation tunes cardiac response to Î²-adrenergic stress via phospholamban. Journal of Clinical Investigation, 2015, 125, 2759-2771.	8.2	36
119	Identification of MicroRNAâ€mRNA Dysregulations in Paroxysmal Atrial Fibrillation. FASEB Journal, 2015, 29, 46.10.	0.5	0
120	Calcium dysregulation in atrial fibrillation: the role of CaMKII. Frontiers in Pharmacology, 2014, 5, 30.	3.5	55
121	Lack of UCP3 does not affect skeletal muscle mitochondrial function under lipid-challenged conditions, but leads to sudden cardiac death. Basic Research in Cardiology, 2014, 109, 447.	5.9	16
122	Microtubule-Mediated Defects in Junctophilin-2 Trafficking Contribute to Myocyte Transverse-Tubule Remodeling and Ca ²⁺ Handling Dysfunction in Heart Failure. Circulation, 2014, 129, 1742-1750.	1.6	116
123	Loss of MicroRNA-106b-25 Cluster Promotes Atrial Fibrillation by Enhancing Ryanodine Receptor Type-2 Expression and Calcium Release. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 1214-1222.	4.8	101
124	Ryanodine Receptorâ€“Mediated Calcium Leak Drives Progressive Development of an Atrial Fibrillation Substrate in a Transgenic Mouse Model. Circulation, 2014, 129, 1276-1285.	1.6	160
125	TWIK-2 Channel Deficiency Leads to Pulmonary Hypertension Through a Rho-Kinaseâ€“Mediated Process. Hypertension, 2014, 64, 1260-1265.	2.7	37
126	Reduced junctional Na⁺/Ca²⁺-exchanger activity contributes to sarcoplasmic reticulum Ca²⁺ leak in junctophilin-2-deficient mice. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1317-H1326.	3.2	36

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127	Impaired local regulation of ryanodine receptor type 2 by protein phosphatase 1 promotes atrial fibrillation. Cardiovascular Research, 2014, 103, 178-187.	3.8	56
128	GW25-e5168 Impaired Post-Transcriptional Regulation of RyR2 by microRNA-106b-25 Cluster Promotes Atrial Fibrillation. Journal of the American College of Cardiology, 2014, 64, C59.	2.8	0
129	Nanoscale Changes in the Organisation of Junctional Proteins in JPH2 Transgenic Mice. Biophysical Journal, 2014, 106, 448a.	0.5	0
130	The junctophilin family of proteins: from bench to bedside. Trends in Molecular Medicine, 2014, 20, 353-362.	6.7	60
131	Ryanodine receptor phosphorylation by oxidized CaMKII contributes to the cardiotoxic effects of cardiac glycosides. Cardiovascular Research, 2014, 101, 165-174.	3.8	41
132	Role of RyR2 Phosphorylation in Heart Failure and Arrhythmias. Circulation Research, 2014, 114, 1311-1319.	4.5	152
133	Long-term simulated microgravity causes cardiac RyR2 phosphorylation and arrhythmias in mice. International Journal of Cardiology, 2014, 176, 994-1000.	1.7	22
134	Cellular and Molecular Mechanisms of Atrial Arrhythmogenesis in Patients With Paroxysmal Atrial Fibrillation. Circulation, 2014, 129, 145-156.	1.6	386
135	CaMKII-dependent phosphorylation of cardiac ryanodine receptors regulates cell death in cardiac ischemia/reperfusion injury. Journal of Molecular and Cellular Cardiology, 2014, 74, 274-283.	1.9	61
136	Alternative splicing regulates vesicular trafficking genes in cardiomyocytes during postnatal heart development. Nature Communications, 2014, 5, 3603.	12.8	133
137	Pitx2 -microRNA pathway that delimits sinoatrial node development and inhibits predisposition to atrial fibrillation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9181-9186.	7.1	109
138	Emerging roles of junctophilin-2 in the heart and implications for cardiac diseases. Cardiovascular Research, 2014, 103, 198-205.	3.8	68
139	Abstract 288: Rnd3/RhoE Regulates Cardiac Ryanodine Receptor Type 2 Stability. Circulation Research, 2014, 115, .	4.5	0
140	Overexpression of cAMP-response element modulator causes abnormal growth and development of the atrial myocardium resulting in a substrate for sustained atrial fibrillation in mice. International Journal of Cardiology, 2013, 166, 366-374.	1.7	57
141	Inhibition of CaMKII phosphorylation of RyR2 prevents inducible ventricular arrhythmias in mice with Duchenne muscular dystrophy. Heart Rhythm, 2013, 10, 592-599.	0.7	43
142	Extinguishing intracellular calcium leak: A promising antiarrhythmic approach. Heart Rhythm, 2013, 10, 108-109.	0.7	4
143	Worsening renal function is not associated with response to treatment in acute heart failure. International Journal of Cardiology, 2013, 167, 1912-1917.	1.7	23
144	Atrial Identity Is Determined by a COUP-TFII Regulatory Network. Developmental Cell, 2013, 25, 417-426.	7.0	116

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145	Mutation E169K in Junctophilin-2 Causes Atrial Fibrillation Due to Impaired RyR2 Stabilization. Journal of the American College of Cardiology, 2013, 62, 2010-2019.	2.8	165
146	Atrial arrhythmogenesis in catecholaminergic polymorphic ventricular tachycardia â€“ is there a mechanistic link between sarcoplasmic reticulum <scp><scp>Ca</scp></scp>²⁺ leak and reâ€entry?. Acta Physiologica, 2013, 207, 208-211.	3.8	17
147	Chronic Exercise. Journal of the American College of Cardiology, 2013, 62, 78-80.	2.8	6
148	Alterations in ryanodine receptors and related proteins in heart failure. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2425-2431.	3.8	34
149	Junctophilin-2 is necessary for T-tubule maturation during mouse heart development. Cardiovascular Research, 2013, 100, 44-53.	3.8	98
150	Critical roles of junctophilin-2 in T-tubule and excitationâ€“contraction coupling maturation during postnatal development. Cardiovascular Research, 2013, 100, 54-62.	3.8	89
151	Oxidized Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Triggers Atrial Fibrillation. Circulation, 2013, 128, 1748-1757.	1.6	256
152	Epac2 Mediates Cardiac Î²1-Adrenergicâ€“Dependent Sarcoplasmic Reticulum Ca ²⁺ Leak and Arrhythmia. Circulation, 2013, 127, 913-922.	1.6	145
153	184. Critical Care Medicine, 2013, 41, A40.	0.9	0
154	microRNA-22 Promotes Heart Failure through Coordinate Suppression of PPAR/ERR-Nuclear Hormone Receptor Transcription. PLoS ONE, 2013, 8, e75882.	2.5	72
155	Ca2+ Release Channels (Ryanodine Receptors) and Arrhythmogenesis. , 2013, , 281-297.		1
156	Effects of CaMKII-Mediated Phosphorylation of Ryanodine Receptor Type 2 on Islet Calcium Handling, Insulin Secretion, and Glucose Tolerance. PLoS ONE, 2013, 8, e58655.	2.5	43
157	Enhanced Sarcoplasmic Reticulum Ca ²⁺ Leak and Increased Na ⁺ -Ca ²⁺ Exchanger Function Underlie Delayed Afterdepolarizations in Patients With Chronic Atrial Fibrillation. Circulation, 2012, 125, 2059-2070.	1.6	523
158	Role of RyR2 Phosphorylation at S2814 During Heart Failure Progression. Circulation Research, 2012, 110, 1474-1483.	4.5	187
159	Inhibition of CaMKII Phosphorylation of RyR2 Prevents Induction of Atrial Fibrillation in FKBP12.6 Knockout Mice. Circulation Research, 2012, 110, 465-470.	4.5	140
160	CaMKII effects on inotropic but not lusitropic force frequency responses require phospholamban. Journal of Molecular and Cellular Cardiology, 2012, 53, 429-436.	1.9	17
161	Enhanced impact of SCN5A mutation associated with long QT syndrome in fetal splice isoform. Heart Rhythm, 2012, 9, 598-599.	0.7	7
162	Using Multi-Color Super-Resolution Microscopy to Probe the Organization of Dyadic Proteins within Rat Cardiac Myocytes. Biophysical Journal, 2012, 102, 552a.	0.5	0

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163	CaMKII inhibition rescues proarrhythmic phenotypes in the model of human ankyrin-B syndrome. Heart Rhythm, 2012, 9, 2034-2041.	0.7	42
164	Circadian rhythms govern cardiac repolarization and arrhythmogenesis. Nature, 2012, 483, 96-99.	27.8	311
165	Impact of Noncardiac Comorbidities on Morbidity and Mortality in a Predominantly Male Population With Heart Failure and Preserved Versus Reduced Ejection Fraction. Journal of the American College of Cardiology, 2012, 59, 998-1005.	2.8	578
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