

# Xander H T Wehrens

## List of Publications by Year in descending order

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Version: 2024-02-01

264  
papers

18,152  
citations

11608

70  
h-index

15683

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. <i>Cardiovascular Research</i> , 2022, 118, 2805-2818.	1.8	12
2	The role of junctophilin proteins in cellular function. <i>Physiological Reviews</i> , 2022, 102, 1211-1261.	13.1	25
3	Targeting calcium-mediated inter-organellar crosstalk in cardiac diseases. <i>Expert Opinion on Therapeutic Targets</i> , 2022, 26, 303-317.	1.5	6
4	Diagnosing atrial fibrillation: Can we do better than the ECG?. <i>Heart Rhythm</i> , 2022, , .	0.3	0
5	SPEG: a key regulator of cardiac calcium homeostasis. <i>Cardiovascular Research</i> , 2021, 117, 2175-2185.	1.8	20
6	Crucial Role of Mammalian Glutaredoxin 3 in Cardiac Energy Metabolism in Diet-induced Obese Mice Revealed by Transcriptome Analysis. <i>International Journal of Biological Sciences</i> , 2021, 17, 2871-2883.	2.6	3
7	Reversible cardiac disease features in an inducible CUG repeat RNAâ€‘expressing mouse model of myotonic dystrophy. <i>JCI Insight</i> , 2021, 6, .	2.3	10
8	Phosphorylation-Dependent Interactome of Ryanodine Receptor Type 2 in the Heart. <i>Proteomes</i> , 2021, 9, 27.	1.7	10
9	Efficacy of RyR2 inhibitor EL20 in induced pluripotent stem cellâ€‘derived cardiomyocytes from a patient with catecholaminergic polymorphic ventricular tachycardia. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 6115-6124.	1.6	16
10	Genetic testing in ambulatory cardiology clinics reveals high rate of findings with clinical management implications. <i>Genetics in Medicine</i> , 2021, 23, 2404-2414.	1.1	14
11	Atrial-Specific LKB1 Knockdown Represents a Novel Mouse Model of Atrial Cardiomyopathy With Spontaneous Atrial Fibrillation. <i>Circulation</i> , 2021, 144, 909-912.	1.6	10
12	Cellular regeneration as a potential strategy to treat cardiac conduction disorders. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	1
13	Mechanisms underlying pathological Ca <sup>2+</sup> handling in diseases of the heart. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 331-347.	1.3	12
14	Irisin: A Promising Target for Ischemia-Reperfusion Injury Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-16.	1.9	7
15	TBX5 â€‘encoded Tâ€‘box transcription factor 5 variant T223M is associated with long QT syndrome and pediatric sudden cardiac death. <i>American Journal of Medical Genetics, Part A</i> , 2021, 185, 923-929.	0.7	4
16	Gut microbiota - a key regulator of aging-associated atrial fibrillation?. <i>Cardiovascular Research</i> , 2021, , .	1.8	2
17	Inhibition of the Anti-Apoptotic Bcl-2 Family by BH3 Mimetics Sensitize the Mitochondrial Permeability Transition Pore Through Bax and Bak. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 765973.	1.8	15
18	Calmodulin kinase II regulates atrial myocyte late sodium current, calcium handling, and atrial arrhythmia. <i>Heart Rhythm</i> , 2020, 17, 503-511.	0.3	34

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19	Exercise restores dysregulated gene expression in a mouse model of arrhythmogenic cardiomyopathy. <i>Cardiovascular Research</i> , 2020, 116, 1199-1213.	1.8	44
20	Targeting pathological leak of ryanodine receptors: preclinical progress and the potential impact on treatments for cardiac arrhythmias and heart failure. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 25-36.	1.5	37
21	Loss of SPEG Inhibitory Phosphorylation of Ryanodine Receptor Type-2 Promotes Atrial Fibrillation. <i>Circulation</i> , 2020, 142, 1159-1172.	1.6	54
22	Atrial Myocyte NLRP3/CaMKII Nexus Forms a Substrate for Postoperative Atrial Fibrillation. <i>Circulation Research</i> , 2020, 127, 1036-1055.	2.0	152
23	MYOSIN LIGHT CHAIN DEPHOSPHORYLATION BY PPP1R12C PROMOTES ATRIAL HYPOCONTRACTILITY IN ATRIAL FIBRILLATION. <i>Journal of the American College of Cardiology</i> , 2020, 75, 373.	1.2	0
24	Paracrine signalling by cardiac calcitonin controls atrial fibrogenesis and arrhythmia. <i>Nature</i> , 2020, 587, 460-465.	13.7	55
25	<sc>Wolffâ€“Parkinsonâ€“White</sc> syndrome: De novo variants and evidence for mutational burden in genes associated with atrial fibrillation. <i>American Journal of Medical Genetics, Part A</i> , 2020, 182, 1387-1399.	0.7	14
26	Cardiac dysregulation following intrahippocampal kainate-induced status epilepticus. <i>Scientific Reports</i> , 2020, 10, 4043.	1.6	2
27	Nuclear localization of a novel calpain-2 mediated junctophilin-2 C-terminal cleavage peptide promotes cardiomyocyte remodeling. <i>Basic Research in Cardiology</i> , 2020, 115, 49.	2.5	36
28	Genetic basis and molecular biology of cardiac arrhythmias in cardiomyopathies. <i>Cardiovascular Research</i> , 2020, 116, 1600-1619.	1.8	28
29	Determinants of Ca <sup>2+</sup> release restitution: Insights from genetically altered animals and mathematical modeling. <i>Journal of General Physiology</i> , 2020, 152, .	0.9	6
30	Prevention of connexin-43 remodeling protects against Duchenne muscular dystrophy cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2020, 130, 1713-1727.	3.9	52
31	Abstract WMP39: Protein Phosphatase 1 Regulatory Subunit 12C Contributes to Atrial Myosin Light Chain Dephosphorylation in Atrial Fibrillation. <i>Stroke</i> , 2020, 51, .	1.0	0
32	The Role of Non-coding RNAs in Ischemic Myocardial Reperfusion Injury. <i>Cardiovascular Drugs and Therapy</i> , 2019, 33, 489-498.	1.3	22
33	Depletion of Endothelial Prolyl Hydroxylase Domain Protein 2 and 3 Promotes Cardiomyocyte Proliferation and Prevents Ventricular Failure Induced by Myocardial Infarction. <i>Circulation</i> , 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. <i>Scientific Reports</i> , 2019, 9, 9038.	1.6	22
35	Loss of Protein Phosphatase 1 Regulatory Subunit PPP1R3A Promotes Atrial Fibrillation. <i>Circulation</i> , 2019, 140, 681-693.	1.6	47
36	Regulation of the RyR2 Calcium Release Channel by SPEG. <i>Biophysical Journal</i> , 2019, 116, 462a.	0.2	0

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37	Cardiac-specific ablation of glutaredoxin 3 leads to cardiac hypertrophy and heart failure. <i>Physiological Reports</i> , 2019, 7, e14071.	0.7	15
38	YAP Partially Reprograms Chromatin Accessibility to Directly Induce Adult Cardiogenesis In Vivo. <i>Developmental Cell</i> , 2019, 48, 765-779.e7.	3.1	171
39	Ablation of phospholamban rescues reperfusion arrhythmias but exacerbates myocardium infarction in hearts with Ca <sup>2+</sup> /calmodulin kinase II constitutive phosphorylation of ryanodine receptors. <i>Cardiovascular Research</i> , 2019, 115, 556-569.	1.8	27
40	Protein Phosphatase 2A Regulates Cardiac Na <sup>+</sup> Channels. <i>Circulation Research</i> , 2019, 124, 737-746.	2.0	34
41	Atrial-Specific Gene Delivery Using an Adeno-Associated Viral Vector. <i>Circulation Research</i> , 2019, 124, 256-262.	2.0	48
42	Ranolazine prevents pressure overload-induced cardiac hypertrophy and heart failure by restoring aberrant Na <sup>+</sup> and Ca <sup>2+</sup> handling. <i>Journal of Cellular Physiology</i> , 2019, 234, 11587-11601.	2.0	46
43	Junctophilin-2 expression rescues atrial dysfunction through polyadic junctional membrane complex biogenesis. <i>JCI Insight</i> , 2019, 4, .	2.3	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. <i>Circulation Research</i> , 2019, 125, .	2.0	0
45	Genetics of atrial fibrillation. <i>Current Opinion in Cardiology</i> , 2018, 33, 304-310.	0.8	13
46	Myocardial remodeling and susceptibility to ventricular tachycardia in a model of chronic epilepsy. <i>Epilepsia Open</i> , 2018, 3, 213-223.	1.3	11
47	Oxidized CaMKII (Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II) Is Essential for Ventricular Arrhythmia in a Mouse Model of Duchenne Muscular Dystrophy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005682.	2.1	39
48	Rearrangement of the Protein Phosphatase 1 Interactome During Heart Failure Progression. <i>Circulation</i> , 2018, 138, 1569-1581.	1.6	16
49	EL20, a potent antiarrhythmic compound, selectively inhibits calmodulin-deficient ryanodine receptor type 2. <i>Heart Rhythm</i> , 2018, 15, 578-586.	0.3	26
50	Early effects of Epac depend on the fine-tuning of the sarcoplasmic reticulum Ca <sup>2+</sup> handling in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 114, 1-9.	0.9	7
51	The Molecular Pathophysiology of Atrial Fibrillation. , 2018, , 396-408.		1
52	Cardiac troponin I—more than a biomarker for myocardial ischemia?. <i>Annals of Translational Medicine</i> , 2018, 6, S17-S17.	0.7	10
53	Novel role of the protein phosphatase 1 regulatory subunit PPP1R3A in atrial fibrillation. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 124, 108.	0.9	1
54	Profibrotic, Electrical, and Calcium-Handling Remodeling of the Atria in Heart Failure Patients With and Without Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2018, 9, 1383.	1.3	77

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55	In Vivo <i>Ryr2</i> Editing Corrects Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation Research</i> , 2018, 123, 953-963.	2.0	63
56	CRISPR-Mediated Expression of the Fetal <i>Scn5a</i> Isoform in Adult Mice Causes Conduction Defects and Arrhythmias. <i>Journal of the American Heart Association</i> , 2018, 7, e010393.	1.6	24
57	Unraveling the Mechanisms by Which Calpain Inhibition Prevents Heart Failure Development. <i>JACC Basic To Translational Science</i> , 2018, 3, 518-520.	1.9	2
58	Enhanced Cardiomyocyte NLRP3 Inflammasome Signaling Promotes Atrial Fibrillation. <i>Circulation</i> , 2018, 138, 2227-2242.	1.6	376
59	Phosphorylation of the Type 2 Ryanodine Receptors Plays a Role in the Organization of their Array. <i>Biophysical Journal</i> , 2018, 114, 622a.	0.2	0
60	Pro-arrhythmic RyR2 channels in heart failure: do their localisation and mechanism of activation really matter?. <i>Cardiovascular Research</i> , 2018, 114, 1428-1429.	1.8	1
61	Mouse Models of Cardiac Arrhythmias. <i>Circulation Research</i> , 2018, 123, 332-334.	2.0	36
62	STAT3: a link between CaMKII $\beta$ -IV-spectrin and maladaptive remodeling?. <i>Journal of Clinical Investigation</i> , 2018, 128, 5219-5221.	3.9	5
63	Abstract 252: Downregulated Striated Muscle Preferentially Expressed Protein Kinase Enhances Susceptibility to Post-Operative Atrial Fibrillation. <i>Circulation Research</i> , 2018, 123, .	2.0	0
64	Serine/Threonine Phosphatases in Atrial Fibrillation. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 103, 110-120.	0.9	34
65	Calcium-calmodulin-dependent protein kinase mediates the intracellular signalling pathways of cardiac apoptosis in mice with impaired glucose tolerance. <i>Journal of Physiology</i> , 2017, 595, 4089-4108.	1.3	46
66	Calcium-mediated cellular triggered activity in atrial fibrillation. <i>Journal of Physiology</i> , 2017, 595, 4001-4008.	1.3	57
67	Calcium Signaling and Cardiac Arrhythmias. <i>Circulation Research</i> , 2017, 120, 1969-1993.	2.0	368
68	RyR2 Tetramer Distributions in Ventricular Myocytes from Phosphomutant Mice. <i>Biophysical Journal</i> , 2017, 112, 161a.	0.2	2
69	Novel Junctophilin-2 Mutation A405S Is Associated With Basal Septal Hypertrophy and Diastolic Dysfunction. <i>JACC Basic To Translational Science</i> , 2017, 2, 56-67.	1.9	22
70	Loss of glutaredoxin 3 impedes mammary lobuloalveolar development during pregnancy and lactation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E136-E149.	1.8	9
71	Distinct Cellular Basis for Early Cardiac Arrhythmias, the Cardinal Manifestation of Arrhythmogenic Cardiomyopathy, and the Skin Phenotype of Cardiocutaneous Syndromes. <i>Circulation Research</i> , 2017, 121, 1346-1359.	2.0	26
72	CaMKII oxidation causes increased atrial fibrillation in diabetic mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 112, 161-162.	0.9	1

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73	Circadian Variation of Ventricular Arrhythmias in Catecholaminergic Polymorphic Ventricular Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 1308-1317.	1.3	15
74	Enhanced Activation of Inflammasome Promotes Atrial Fibrillation. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 112, 147.	0.9	3
75	Treatment of catecholaminergic polymorphic ventricular tachycardia in mice using novel RyR2-modifying drugs. <i>International Journal of Cardiology</i> , 2017, 227, 668-673.	0.8	27
76	SPEG (Striated Muscle Preferentially Expressed Protein Kinase) Is Essential for Cardiac Function by Regulating Junctional Membrane Complex Activity. <i>Circulation Research</i> , 2017, 120, 110-119.	2.0	86
77	Hemodynamic and Pathologic Characterization of the TASK-1 <sup>+/+</sup> Mouse Does Not Demonstrate Pulmonary Hypertension. <i>Frontiers in Medicine</i> , 2017, 4, 177.	1.2	17
78	Tead1 is required for maintaining adult cardiomyocyte function, and its loss results in lethal dilated cardiomyopathy. <i>JCI Insight</i> , 2017, 2, .	2.3	42
79	Abstract 70: Protein Phosphatase 1 Contributes to Atrial Stunning in Atrial Fibrillation. <i>Circulation Research</i> , 2017, 121, .	2.0	0
80	Phospholamban ablation rescues the enhanced propensity to arrhythmias of mice with CaMKII $\alpha$ -constitutive phosphorylation of RyR2 at site S2814. <i>Journal of Physiology</i> , 2016, 594, 3005-3030.	1.3	20
81	Junctophilin-2 in the nanoscale organisation and functional signalling of ryanodine receptor clusters in cardiomyocytes. <i>Journal of Cell Science</i> , 2016, 129, 4388-4398.	1.2	53
82	CaMKII and Heart Failure Promote a Pathological Ryanodine Receptor Conformation that Reduces Calmodulin Binding and Enhances SR Ca <sup>2+</sup> Leak. <i>Biophysical Journal</i> , 2016, 110, 599a.	0.2	1
83	Novel Compounds Inhibit Calmodulin Deficient RyR2 Activity and Arrhythmias in a CPVT Mouse Model. <i>Biophysical Journal</i> , 2016, 110, 97a.	0.2	1
84	<i>In silico</i> prediction of drug therapy in catecholaminergic polymorphic ventricular tachycardia. <i>Journal of Physiology</i> , 2016, 594, 567-593.	1.3	35
85	Reversible redox modifications of ryanodine receptor ameliorate ventricular arrhythmias in the ischemic-reperfused heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H713-H724.	1.5	22
86	Leaky RyR2 channels unleash a brainstem spreading depolarization mechanism of sudden cardiac death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4895-903.	3.3	46
87	CaMKII-dependent phosphorylation of RyR2 promotes targetable pathological RyR2 conformational shift. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 98, 62-72.	0.9	80
88	Regulating the regulator: Insights into the cardiac protein phosphatase 1 interactome. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 101, 165-172.	0.9	27
89	Junctophilin-2 gene therapy rescues heart failure by normalizing RyR2-mediated Ca <sup>2+</sup> release. <i>International Journal of Cardiology</i> , 2016, 225, 371-380.	0.8	73
90	Methyl-CpG binding-protein 2 function in cholinergic neurons mediates cardiac arrhythmogenesis. <i>Human Molecular Genetics</i> , 2016, 25, ddw326.	1.4	15

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91	Reply from Pei-Chi Yang, Jonathan D. Moreno, Mao-Suen Jeng, Xander H. T. Wehrens, Sergei Noskov and Colleen E. Clancy. <i>Journal of Physiology</i> , 2016, 594, 6433-6435.	1.3	1
92	PITX2: a master regulator of cardiac channelopathy in atrial fibrillation?. <i>Cardiovascular Research</i> , 2016, 109, 345-347.	1.8	11
93	Cardiac expression of the CREM repressor isoform CREM-Ib <sup>+</sup> C-X in mice leads to arrhythmogenic alterations in ventricular cardiomyocytes. <i>Basic Research in Cardiology</i> , 2016, 111, 15.	2.5	22
94	Increased Reliance on Muscle-based Thermogenesis upon Acute Minimization of Brown Adipose Tissue Function. <i>Journal of Biological Chemistry</i> , 2016, 291, 17247-17257.	1.6	78
95	Dysregulation of RBFOX2 Is an Early Event in Cardiac Pathogenesis of Diabetes. <i>Cell Reports</i> , 2016, 15, 2200-2213.	2.9	60
96	A Single Protein Kinase A or Calmodulin Kinase II Site Does Not Control the Cardiac Pacemaker Ca <sup>2+</sup> Clock. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, e003180.	2.1	8
97	The value of basic research insights into atrial fibrillation mechanisms as a guide to therapeutic innovation: a critical analysis. <i>Cardiovascular Research</i> , 2016, 109, 467-479.	1.8	166
98	Junctophilin-2 at the intersection of arrhythmia and pathologic cardiac remodeling. <i>Heart Rhythm</i> , 2016, 13, 753-754.	0.3	5
99	SRC-1 Regulates Blood Pressure and Aortic Stiffness in Female Mice. <i>PLoS ONE</i> , 2016, 11, e0168644.	1.1	13
100	Connecting enterovirus infection to dystrophin dysfunction in dilated cardiomyopathy. <i>Annals of Translational Medicine</i> , 2016, 4, S23-S23.	0.7	2
101	Crosstalk between RyR2 Oxidation and Phosphorylation Contributes to Cardiomyopathy in Mice with Duchenne Muscular Dystrophy. <i>Biophysical Journal</i> , 2015, 108, 340a.	0.2	0
102	The Ca <sup>2+</sup> Clock is Not Governed by a Single CaMKII or PKA Phosphorylation Site for Fight or Flight Responses. <i>Biophysical Journal</i> , 2015, 108, 195a.	0.2	0
103	Neuronally released vasoactive intestinal polypeptide alters atrial electrophysiological properties and may promote atrial fibrillation. <i>Heart Rhythm</i> , 2015, 12, 1352-1361.	0.3	6
104	Crosstalk between RyR2 oxidation and phosphorylation contributes to cardiac dysfunction in mice with Duchenne muscular dystrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 177-184.	0.9	26
105	Increased atrial arrhythmia susceptibility induced by intense endurance exercise in mice requires TNF $\alpha$ . <i>Nature Communications</i> , 2015, 6, 6018.	5.8	148
106	Alterations in the Interactome of Serine/Threonine Protein Phosphatase Type-1 in Atrial Fibrillation Patients. <i>Journal of the American College of Cardiology</i> , 2015, 65, 163-173.	1.2	38
107	The mitochondrial uniporter controls fight or flight heart rate increases. <i>Nature Communications</i> , 2015, 6, 6081.	5.8	126
108	Identification of microRNA-mRNA dysregulations in paroxysmal atrial fibrillation. <i>International Journal of Cardiology</i> , 2015, 184, 190-197.	0.8	46

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109	CaMKII $\beta$ mediates $\beta^2$ -adrenergic effects on RyR2 phosphorylation and SR Ca <sup>2+</sup> leak and the pathophysiological response to chronic $\beta^2$ -adrenergic stimulation. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 282-291.	0.9	69
110	Hrd1 and ER-Associated Protein Degradation, ERAD, Are Critical Elements of the Adaptive ER Stress Response in Cardiac Myocytes. <i>Circulation Research</i> , 2015, 117, 536-546.	2.0	89
111	It $\alpha$ 's not the heart: autonomic nervous system predisposition to lethal ventricular arrhythmias. <i>Heart Rhythm</i> , 2015, 12, 2294-2295.	0.3	4
112	Protein phosphatase 2A regulatory subunit B56 $\beta$ limits phosphatase activity in the heart. <i>Science Signaling</i> , 2015, 8, ra72.	1.6	45
113	Expression and function of Kv1.1 potassium channels in human atria from patients with atrial fibrillation. <i>Basic Research in Cardiology</i> , 2015, 110, 505.	2.5	35
114	Genetic Deletion of Rnd3/RhoE Results in Mouse Heart Calcium Leakage Through Upregulation of Protein Kinase A Signaling. <i>Circulation Research</i> , 2015, 116, e1-e10.	2.0	29
115	Loss-of-Function <i>SCN5A</i> Mutations Associated With Sinus Node Dysfunction, Atrial Arrhythmias, and Poor Pacemaker Capture. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 1105-1112.	2.1	18
116	CaMKII-Dependent Phosphorylation of RyR2 Causes Domain Unzipping and Reduced Calmodulin Binding, But Dantrolene Reverses These Effects. <i>Biophysical Journal</i> , 2015, 108, 269a-270a.	0.2	0
117	Treatment of cardiac arrhythmias in Rett Syndrome with sodium channel blocking antiepileptic drugs. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 363-71.	1.2	15
118	PHD2/3-dependent hydroxylation tunes cardiac response to $\beta^2$ -adrenergic stress via phospholamban. <i>Journal of Clinical Investigation</i> , 2015, 125, 2759-2771.	3.9	36
119	Identification of MicroRNA-mRNA Dysregulations in Paroxysmal Atrial Fibrillation. <i>FASEB Journal</i> , 2015, 29, 46.10.	0.2	0
120	Calcium dysregulation in atrial fibrillation: the role of CaMKII. <i>Frontiers in Pharmacology</i> , 2014, 5, 30.	1.6	55
121	Lack of UCP3 does not affect skeletal muscle mitochondrial function under lipid-challenged conditions, but leads to sudden cardiac death. <i>Basic Research in Cardiology</i> , 2014, 109, 447.	2.5	16
122	Microtubule-Mediated Defects in Junctophilin-2 Trafficking Contribute to Myocyte Transverse-Tubule Remodeling and Ca <sup>2+</sup> Handling Dysfunction in Heart Failure. <i>Circulation</i> , 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. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 1214-1222.	2.1	101
124	Ryanodine Receptor-Mediated Calcium Leak Drives Progressive Development of an Atrial Fibrillation Substrate in a Transgenic Mouse Model. <i>Circulation</i> , 2014, 129, 1276-1285.	1.6	160
125	TWIK-2 Channel Deficiency Leads to Pulmonary Hypertension Through a Rho-Kinase-Mediated Process. <i>Hypertension</i> , 2014, 64, 1260-1265.	1.3	37
126	Reduced junctional Na <sup>+</sup> /Ca <sup>2+</sup> -exchanger activity contributes to sarcoplasmic reticulum Ca <sup>2+</sup> leak in junctophilin-2-deficient mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1317-H1326.	1.5	36



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127	Impaired local regulation of ryanodine receptor type 2 by protein phosphatase 1 promotes atrial fibrillation. <i>Cardiovascular Research</i> , 2014, 103, 178-187.	1.8	56
128	GW25-e5168 Impaired Post-Transcriptional Regulation of RyR2 by microRNA-106b-25 Cluster Promotes Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2014, 64, C59.	1.2	0
129	Nanoscale Changes in the Organisation of Junctional Proteins in JPH2 Transgenic Mice. <i>Biophysical Journal</i> , 2014, 106, 448a.	0.2	0
130	The junctophilin family of proteins: from bench to bedside. <i>Trends in Molecular Medicine</i> , 2014, 20, 353-362.	3.5	60
131	Ryanodine receptor phosphorylation by oxidized CaMKII contributes to the cardiotoxic effects of cardiac glycosides. <i>Cardiovascular Research</i> , 2014, 101, 165-174.	1.8	41
132	Role of RyR2 Phosphorylation in Heart Failure and Arrhythmias. <i>Circulation Research</i> , 2014, 114, 1311-1319.	2.0	152
133	Long-term simulated microgravity causes cardiac RyR2 phosphorylation and arrhythmias in mice. <i>International Journal of Cardiology</i> , 2014, 176, 994-1000.	0.8	22
134	Cellular and Molecular Mechanisms of Atrial Arrhythmogenesis in Patients With Paroxysmal Atrial Fibrillation. <i>Circulation</i> , 2014, 129, 145-156.	1.6	386
135	CaMKII-dependent phosphorylation of cardiac ryanodine receptors regulates cell death in cardiac ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 74, 274-283.	0.9	61
136	Alternative splicing regulates vesicular trafficking genes in cardiomyocytes during postnatal heart development. <i>Nature Communications</i> , 2014, 5, 3603.	5.8	133
137	<i>Pitx2</i> -microRNA pathway that delimits sinoatrial node development and inhibits predisposition to atrial fibrillation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9181-9186.	3.3	109
138	Emerging roles of junctophilin-2 in the heart and implications for cardiac diseases. <i>Cardiovascular Research</i> , 2014, 103, 198-205.	1.8	68
139	Abstract 288: Rnd3/RhoE Regulates Cardiac Ryanodine Receptor Type 2 Stability. <i>Circulation Research</i> , 2014, 115, .	2.0	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. <i>International Journal of Cardiology</i> , 2013, 166, 366-374.	0.8	57
141	Inhibition of CaMKII phosphorylation of RyR2 prevents inducible ventricular arrhythmias in mice with Duchenne muscular dystrophy. <i>Heart Rhythm</i> , 2013, 10, 592-599.	0.3	43
142	Extinguishing intracellular calcium leak: A promising antiarrhythmic approach. <i>Heart Rhythm</i> , 2013, 10, 108-109.	0.3	4
143	Worsening renal function is not associated with response to treatment in acute heart failure. <i>International Journal of Cardiology</i> , 2013, 167, 1912-1917.	0.8	23
144	Atrial Identity Is Determined by a COUP-TFII Regulatory Network. <i>Developmental Cell</i> , 2013, 25, 417-426.	3.1	116

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145	Mutation E169K in Junctophilin-2 Causes Atrial Fibrillation Due to Impaired RyR2 Stabilization. <i>Journal of the American College of Cardiology</i> , 2013, 62, 2010-2019.	1.2	165
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