

Ana Maria Gomez

List of Publications by Year in descending order

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122
papers

5,231
citations

100601

38
h-index

97045

71
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129
all docs

129
docs citations

129
times ranked

5953
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac protection induced by urocortin-2 enables the regulation of apoptosis and fibrosis after ischemia and reperfusion involving miR-29a modulation. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 838-853.	2.3	8
2	CD38 is a new major contributor to Duchenne muscular dystrophic phenotype. <i>EMBO Molecular Medicine</i> , 2022, 14, e12860.	3.3	13
3	Aldosterone-Induced Sarco/Endoplasmic Reticulum Ca ²⁺ Pump Upregulation Counterbalances Cav1.2-Mediated Ca ²⁺ Influx in Mesenteric Arteries. <i>Frontiers in Physiology</i> , 2022, 13, 834220.	1.3	1
4	Heart failure in mice induces a dysfunction of the sinus node associated with reduced CaMKII signaling. <i>Journal of General Physiology</i> , 2022, 154, .	0.9	7
5	Commentary on structures of the junctophilin/voltage-gated calcium channel interface reveal hot spot for cardiomyopathy mutations. <i>Cell Calcium</i> , 2022, 104, 102592.	1.1	0
6	Uptake-leak balance of SR Ca ²⁺ determines arrhythmogenic potential of RyR2R420Q+/+ cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, , .	0.9	5
7	Specialized Proresolving Mediators Protect Against Experimental Autoimmune Myocarditis by Modulating Ca ²⁺ Handling and NRF2 Activation. <i>JACC Basic To Translational Science</i> , 2022, 7, 544-560.	1.9	6
8	Is the Debate on the Flecainide Action on the RYR2 in CPVT Closed?. <i>Circulation Research</i> , 2021, 128, 332-334.	2.0	3
9	A Type 2 Ryanodine Receptor Variant in the Helical Domain 2 Associated with an Impairment of the Adrenergic Response. <i>Journal of Personalized Medicine</i> , 2021, 11, 579.	1.1	1
10	Impaired Binding to Junctophilin-2 and Nanostructural Alteration in CPVT Mutation. <i>Circulation Research</i> , 2021, 129, e35-e52.	2.0	19
11	ESC working group on cardiac cellular electrophysiology position paper: relevance, opportunities, and limitations of experimental models for cardiac electrophysiology research. <i>Europace</i> , 2021, 23, 1795-1814.	0.7	24
12	Local recovery of cardiac calcium-induced calcium release interrogated by ultra-effective, two-photon uncaging of calcium. <i>Journal of Physiology</i> , 2021, 599, 3841-3852.	1.3	7
13	The role of hyperglycaemia in the development of diabetic cardiomyopathy. <i>Archives of Cardiovascular Diseases</i> , 2021, 114, 748-760.	0.7	24
14	RyR2 and Calcium Release in Heart Failure. <i>Frontiers in Physiology</i> , 2021, 12, 734210.	1.3	31
15	OUP accepted manuscript. <i>Cardiovascular Research</i> , 2021, , .	1.8	0
16	Orai1 Channel Inhibition Preserves Left Ventricular Systolic Function and Normal Ca ²⁺ Handling After Pressure Overload. <i>Circulation</i> , 2020, 141, 199-216.	1.6	42
17	SERCA Stimulation Triggers Arrhythmogenic Ca ²⁺ Events in Mouse Cardiomyocytes Harboring the RyR2R420Q/+ Mutation. <i>Biophysical Journal</i> , 2020, 118, 254a.	0.2	1
18	Comparison between hiPS-CM from RyR2-R420Q CPVT Patients and KI Mice Bearing the Same Mutation. <i>Biophysical Journal</i> , 2020, 118, 173a.	0.2	0

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19	Targeting Orai1-Mediated Store-Operated Ca ²⁺ Entry in Heart Failure. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 586109.	1.8	7
20	SAN function is altered in a mice model of heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 140, 9.	0.9	1
21	Distinct mechanisms mediate pacemaker dysfunction associated with catecholaminergic polymorphic ventricular tachycardia mutations: Insights from computational modeling. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 143, 85-95.	0.9	10
22	Activation of sarcolipin expression and altered calcium cycling in LMNA cardiomyopathy. <i>Biochemistry and Biophysics Reports</i> , 2020, 22, 100767.	0.7	11
23	Aberrant sinus node firing during β -adrenergic stimulation leads to cardiac arrhythmias in diabetic mice. <i>Acta Physiologica</i> , 2020, 229, e13444.	1.8	7
24	The ESC Working Group Cardiac Cellular Electrophysiology. <i>European Heart Journal</i> , 2020, 41, 4374-4376.	1.0	0
25	Gender-Dependent Alteration of Ca ²⁺ and TNF α Signaling in db/db Mice, an Obesity-Linked Type 2 Diabetic Model. <i>Frontiers in Physiology</i> , 2019, 10, 40.	1.3	5
26	Progression of excitation-contraction coupling defects in doxorubicin cardiotoxicity. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 126, 129-139.	0.9	30
27	<i>Bmpr2</i> Mutant Rats Develop Pulmonary and Cardiac Characteristics of Pulmonary Arterial Hypertension. <i>Circulation</i> , 2019, 139, 932-948.	1.6	74
28	Specific Activation of the Alternative Cardiac Promoter of <i>Cacna1c</i> by the Mineralocorticoid Receptor. <i>Circulation Research</i> , 2018, 122, e49-e61.	2.0	15
29	TNF-Alpha Mediates Gender Specific Ca ²⁺ Signalling Dysfunction in Type 2 Diabetes. <i>Biophysical Journal</i> , 2018, 114, 618a.	0.2	0
30	Ca ²⁺ handling remodeling and STIM1L/Orai1/TRPC1/TRPC4 upregulation in monocrotaline-induced right ventricular hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 118, 208-224.	0.9	58
31	QSOX1, a novel actor of cardiac protection upon acute stress in mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 119, 75-86.	0.9	29
32	Sorcin ablation plus β -adrenergic stimulation generate an arrhythmogenic substrate in mouse ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 114, 199-210.	0.9	13
33	Cardiac CaV1.2 Signature Induced by Mineralocorticoid in Vessels. <i>Biophysical Journal</i> , 2018, 114, 627a.	0.2	0
34	Mineralocorticoid Receptor in Calcium Handling of Vascular Smooth Muscle Cells. , 2018, , .		1
35	Urocortin-2 Prevents Dysregulation of Ca ²⁺ Homeostasis and Improves Early Cardiac Remodeling After Ischemia and Reperfusion. <i>Frontiers in Physiology</i> , 2018, 9, 813.	1.3	21
36	The RyR2R420Q Mutation Triggers Catecholaminergic Polymorphic Ventricular Tachycardia in Mouse Cardiomyocytes via SR Calcium Loading. <i>Biophysical Journal</i> , 2018, 114, 116a.	0.2	0

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37	Arrhythmias precede cardiomyopathy and remodeling of Ca ²⁺ handling proteins in a novel model of long QT syndrome. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 123, 13-25.	0.9	5
38	Role of Epac2 in High Glucose-Induced SR Ca ²⁺ Leak and Arrhythmia. <i>Biophysical Journal</i> , 2018, 114, 618a.	0.2	0
39	Functional Effects of the RyR 2 R420Q Catecholaminergic Ventricular Polymorphic Tachycardia in Mouse Cardiomyocytes. <i>Biophysical Journal</i> , 2017, 112, 94a.	0.2	0
40	Mechanism of Sinoatrial Node Dysfunction in a RyR 2 R420Q Mouse Model Ofcatecholaminergic Polymorphic Ventricular Tachycardia. <i>Biophysical Journal</i> , 2017, 112, 541a.	0.2	0
41	Contribution of Orai1 to Sex-Based Differences in Cardiac Excitation-Contraction Coupling. <i>Biophysical Journal</i> , 2017, 112, 538a.	0.2	0
42	Regulation of Cardiac Pacemaker Activity by PDE4 Isoforms. <i>Biophysical Journal</i> , 2017, 112, 96a-97a.	0.2	0
43	Beneficial effects of leptin treatment in a setting of cardiac dysfunction induced by transverse aortic constriction in mouse. <i>Journal of Physiology</i> , 2017, 595, 4227-4243.	1.3	19
44	RyR2R420Q catecholaminergic polymorphic ventricular tachycardia mutation induces bradycardia by disturbing the coupled clock pacemaker mechanism. <i>JCI Insight</i> , 2017, 2, .	2.3	24
45	Enhanced RyR2 Channel Activity but Reduced Ca ²⁺ Spark Occurrence In Failing Mice Cardiomyocytes. <i>Biophysical Journal</i> , 2016, 110, 267a-268a.	0.2	0
46	Switchable Cardiac L Type Ca ²⁺ Channel Transcript by Mineralocorticoid Pathway. <i>Biophysical Journal</i> , 2016, 110, 438a-439a.	0.2	0
47	0015 : Epac signalling in doxorubicin-induced cardiotoxicity: a novel implication in death pathways. <i>Archives of Cardiovascular Diseases Supplements</i> , 2016, 8, 240.	0.0	0
48	0346 : Characterization of the calcium deregulation in cardiomyocytes from mdx mice, the main rodent model of the Duchenne muscular dystrophy. <i>Archives of Cardiovascular Diseases Supplements</i> , 2016, 8, 243.	0.0	0
49	A cardiac mitochondrial cAMP signaling pathway regulates calcium accumulation, permeability transition and cell death. <i>Cell Death and Disease</i> , 2016, 7, e2198-e2198.	2.7	85
50	Transient Receptor Potential Canonical (TRPC)/Orai1-dependent Store-operated Ca ²⁺ Channels. <i>Journal of Biological Chemistry</i> , 2016, 291, 13394-13409.	1.6	69
51	Store Operated Calcium Channels, New Targets of Aldosterone in Cardiomyocytes. <i>Biophysical Journal</i> , 2016, 110, 611a.	0.2	0
52	Efecto cardioprotector de la ranolazina en el proceso de isquemia-reperfusion en cardiomiocitos de rata adultos. <i>Revista Espanola De Cardiologia</i> , 2016, 69, 45-53.	0.6	6
53	L-type Ca ^v 1.3 channels regulate ryanodine receptor-dependent Ca ²⁺ release during sino-atrial node pacemaker activity. <i>Cardiovascular Research</i> , 2016, 109, 451-461.	1.8	88
54	Cardioprotective Effect of Ranolazine in the Process of Ischemia-reperfusion in Adult Rat Cardiomyocytes. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2016, 69, 45-53.	0.4	7

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55	Loss of PI3K-Gamma Scaffold Function causes Severe Electrical Remodeling in Mice Ventricular Myocytes. <i>Biophysical Journal</i> , 2015, 108, 272a-273a.	0.2	0
56	Reconciling depressed Ca ²⁺ sparks occurrence with enhanced RyR2 activity in failing mice cardiomyocytes. <i>Journal of General Physiology</i> , 2015, 146, 295-306.	0.9	28
57	Non-ventricular, Clinical, and Functional Features of the RyR2R420Q Mutation Causing Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Revista Espanola De Cardiologia (English Ed)</i> Tj ETQq1 1 0784314 rg6T /Over	0.7	14
58	Proarrhythmic effect of sustained EPAC activation on TRPC3/4 in rat ventricular cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 87, 74-78.	0.9	46
59	Calcium signaling in diabetic cardiomyocytes. <i>Cell Calcium</i> , 2014, 56, 372-380.	1.1	59
60	Ca ²⁺ handling alterations and vascular dysfunction in diabetes. <i>Cell Calcium</i> , 2014, 56, 397-407.	1.1	32
61	Epac contributes to cardiac hypertrophy and amyloidosis induced by radiotherapy but not fibrosis. <i>Radiotherapy and Oncology</i> , 2014, 111, 63-71.	0.3	26
62	Calcium Handling in Experimental Models of Doxorubicin and Radiation-Induced Cardiotoxicity. <i>Biophysical Journal</i> , 2014, 106, 113a.	0.2	0
63	Non-Hypertensive Dosis of Leptin Induce Cardiac Dysfunction and Altered Calcium Handling in Mice. <i>Biophysical Journal</i> , 2014, 106, 534a.	0.2	0
64	Epac in cardiac calcium signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 58, 162-171.	0.9	50
65	Complications of chemotherapy, a basic science update. <i>Presse Medicale</i> , 2013, 42, e352-e361.	0.8	30
66	Epac Effects on Cardiac Ionic Currents. <i>Biophysical Journal</i> , 2013, 104, 282a.	0.2	0
67	ROS regulation of microdomain Ca ²⁺ signalling at the dyads. <i>Cardiovascular Research</i> , 2013, 98, 248-258.	1.8	61
68	Abnormal Ca ²⁺ Spark/STOC Coupling in Cerebral Artery Smooth Muscle Cells of Obese Type 2 Diabetic Mice. <i>PLoS ONE</i> , 2013, 8, e53321.	1.1	34
69	Ca ²⁺ Fluxes Involvement in Gene Expression During Cardiac Hypertrophy. <i>Current Vascular Pharmacology</i> , 2013, 11, 497-506.	0.8	40
70	The other side of cardiac Ca ²⁺ signaling: transcriptional control. <i>Frontiers in Physiology</i> , 2012, 3, 452.	1.3	23
71	Phosphoinositide 3-Kinase Î³ Protects Against Catecholamine-Induced Ventricular Arrhythmia Through Protein Kinase Aâ€ Mediated Regulation of Distinct Phosphodiesterases. <i>Circulation</i> , 2012, 126, 2073-2083.	1.6	74
72	Paradoxical Effect of Increased Diastolic Ca ²⁺ Release and Decreased Sinoatrial Node Activity in a Mouse Model of Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2012, 126, 392-401.	1.6	77

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73	Cardiotrophin-1 induces sarcoplasmic reticulum Ca ²⁺ leak and arrhythmogenesis in adult rat ventricular myocytes. <i>Cardiovascular Research</i> , 2012, 96, 81-89.	1.8	22
74	Sustained Epac activation induces calmodulin dependent positive inotropic effect in adult cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 617-625.	0.9	28
75	In Vitro Characterization of a Novel N-Terminal CPVT RyR Mutation. <i>Biophysical Journal</i> , 2012, 102, 308a.	0.2	0
76	Epac enhances excitationâ€“transcription coupling in cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 283-291.	0.9	64
77	Transcriptional Up-Regulation by Aldosterone of the Cardiac Cav1.2 Encoding Gene CACNA1C. <i>Biophysical Journal</i> , 2012, 102, 127a.	0.2	0
78	RyR(R4496C) Mutant Mice Model Reveals a New Paradigm on Local Ca ²⁺ Control of I _{CaL} . <i>Biophysical Journal</i> , 2011, 100, 571a.	0.2	0
79	Cav1.3 L-Type Calcium Channels-Mediated Ryanodine Receptor Dependent Calcium Release Controls Heart Rate. <i>Biophysical Journal</i> , 2011, 100, 567a.	0.2	5
80	RyR2(R4496C) Expression Induces Sinoatrial Node Dysfunction. <i>Biophysical Journal</i> , 2011, 100, 352a.	0.2	0
81	RyRCa ²⁺ Leak Limits Cardiac Ca ²⁺ Window Current Overcoming the Tonic Effect of Calmodulin in Mice. <i>PLoS ONE</i> , 2011, 6, e20863.	1.1	11
82	Cardioprotective action of urocortin in postconditioning involves recovery of intracellular calcium handling. <i>Cell Calcium</i> , 2011, 50, 84-90.	1.1	18
83	Role of the cAMP-binding protein Epac in cardiovascular physiology and pathophysiology. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 459, 535-546.	1.3	71
84	Ryanodol action on calcium sparks in ventricular myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 460, 767-776.	1.3	10
85	Robust antiâ€“arrhythmic efficacy of verapamil and flunarizine against dofetilideâ€“induced TdP arrhythmias is based upon a shared and a different mode of action. <i>British Journal of Pharmacology</i> , 2010, 161, 162-175.	2.7	31
86	Cardiotrophin-1: Another â€œplayerâ€“in Cardiac Calcium Handling. <i>Biophysical Journal</i> , 2010, 98, 106a.	0.2	0
87	L-type Ca ²⁺ current in ventricular cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 26-36.	0.9	155
88	Urocortin induces positive inotropic effect in rat heart. <i>Cardiovascular Research</i> , 2009, 83, 717-725.	1.8	37
89	Increased Ca ²⁺ Sensitivity of the Ryanodine Receptor Mutant RyR2 ^{R4496C} Underlies Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation Research</i> , 2009, 104, 201-209.	2.0	137
90	Mineralocorticoid Modulation of Cardiac Ryanodine Receptor Activity Is Associated With Downregulation of FK506-Binding Proteins. <i>Circulation</i> , 2009, 119, 2179-2187.	1.6	88

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91	Functional characterization of the cAMP-binding proteins Epac in cardiac myocytes. <i>Pharmacological Reports</i> , 2009, 61, 146-153.	1.5	19
92	Conditional FKBP12.6 Overexpression in Mouse Cardiac Myocytes Prevents Triggered Ventricular Tachycardia Through Specific Alterations in Excitation- Contraction Coupling. <i>Circulation</i> , 2008, 117, 1778-1786.	1.6	57
93	Cardiomyocyte Overexpression of Neuronal Nitric Oxide Synthase Delays Transition Toward Heart Failure in Response to Pressure Overload by Preserving Calcium Cycling. <i>Circulation</i> , 2008, 117, 3187-3198.	1.6	73
94	Conditional Fkbp12.6 overexpression in mouse cardiac myocytes protects from triggered ventricular arrhythmia. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S3-S4.	0.9	0
95	The cAMP binding protein Epac modulates Ca ²⁺ sparks by a Ca ²⁺ /calmodulin kinase signalling pathway in rat cardiac myocytes. <i>Journal of Physiology</i> , 2007, 583, 685-694.	1.3	179
96	Ca ²⁺ -induced Ca ²⁺ entry or how the L-type Ca ²⁺ channel remodels its own signalling pathway in cardiac cells. <i>Progress in Biophysics and Molecular Biology</i> , 2006, 90, 118-135.	1.4	57
97	Unzipping RyR2 in adult cardiomyocytes: Getting closer to mechanisms of inherited ventricular arrhythmias?. <i>Cardiovascular Research</i> , 2006, 70, 407-409.	1.8	6
98	Mechanisms of [Ca ²⁺] _i Transient Decrease in Cardiomyopathy of db/db Type 2 Diabetic Mice. <i>Diabetes</i> , 2006, 55, 608-615.	0.3	224
99	Heparin binding EGF is necessary for vasospastic response to endothelin. <i>FASEB Journal</i> , 2006, 20, 1936-1938.	0.2	60
100	EGF receptor activated by HB-EGF is required to calcium influx and vasoconstriction induced by endothelin-1. <i>Journal of Hypertension</i> , 2005, 23, A9.	0.3	8
101	Neuropeptide Y rapidly enhances [Ca ²⁺] _i transients and Ca sparks in adult rat ventricular myocytes through Y receptor and PLC activation. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 38, 205-212.	0.9	56
102	Autonomic regulation of calcium and potassium channels is oppositely modulated by microtubules in cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H2065-H2071.	1.5	12
103	Mineralocorticoid Receptor Antagonism Prevents the Electrical Remodeling That Precedes Cellular Hypertrophy After Myocardial Infarction. <i>Circulation</i> , 2004, 110, 776-783.	1.6	121
104	Mutant cardiac ryanodine receptors and ventricular arrhythmias: is gain-of-function obligatory?. <i>Cardiovascular Research</i> , 2004, 64, 3-5.	1.8	8
105	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> , 2004, 287, H1987-H1993.	1.5	52
106	Regulation of cardiac excitation-contraction coupling by sorcin, a novel modulator of ryanodine receptors. <i>Biological Research</i> , 2004, 37, 609-12.	1.5	17
107	Protein Kinase A Phosphorylation of the Cardiac Calcium Release Channel (Ryanodine Receptor) in Normal and Failing Hearts. <i>Journal of Biological Chemistry</i> , 2003, 278, 444-453.	1.6	188
108	Sorcin Inhibits Calcium Release and Modulates Excitation-Contraction Coupling in the Heart. <i>Journal of Biological Chemistry</i> , 2003, 278, 34660-34666.	1.6	101

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109	Increased Exchange Current but Normal Ca^{2+} Transport via Na^{+} - Ca^{2+} Exchange During Cardiac Hypertrophy After Myocardial Infarction. <i>Circulation Research</i> , 2002, 91, 323-330.	2.0	54
110	03 Sorcin, a modulator of excitation contraction coupling in heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, A19.	0.9	0
111	Altered communication between I-type calcium channels and ryanodine receptors in heart failure. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, e263.	3.0	38
112	Altered communication between I-type calcium channels and ryanodine receptors in heart failure. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, e263-275.	3.0	13
113	Effects of aldosterone on transient outward K^{+} current density in rat ventricular myocytes. <i>Journal of Physiology</i> , 2001, 537, 151-160.	1.3	99
114	Heart Failure After Myocardial Infarction. <i>Circulation</i> , 2001, 104, 688-693.	1.6	180
115	Microtubule Disruption by Colchicine Reversibly Enhances Calcium Signaling in Intact Rat Cardiac Myocytes. <i>Circulation Research</i> , 2001, 88, E59-65.	2.0	56
116	Frequency-dependent Increase in Cardiac Ca^{2+} Current is due to Reduced Ca^{2+} Release by the Sarcoplasmic Reticulum. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 1783-1793.	0.9	47
117	Ca^{2+} Flux Through Promiscuous Cardiac Na^{+} Channels: Slip-Mode Conductance. <i>Science</i> , 1998, 279, 1027-1033.	6.0	164
118	Sarcoplasmic reticulum in heart failure: central player or bystander?. <i>Cardiovascular Research</i> , 1998, 37, 346-351.	1.8	33
119	Defective Excitation-Contraction Coupling in Experimental Cardiac Hypertrophy and Heart Failure. <i>Science</i> , 1997, 276, 800-806.	6.0	715
120	Suppression of voltage-gated L-type Ca^{2+} currents by polyunsaturated fatty acids in adult and neonatal rat ventricular myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 4182-4187.	3.3	355
121	Excitation-contraction coupling in heart: new insights from Ca^{2+} sparks. <i>Cell Calcium</i> , 1996, 20, 129-140.	1.1	176
122	Ryanodine Receptor Channelopathies: The New Kid in the Arrhythmia Neighborhood. , 0, , .		5