

F Anthony Lai

List of Publications by Year in descending order

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139
papers

9,117
citations

41627

51
h-index

49824

91
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140
all docs

140
docs citations

140
times ranked

5730
citing authors

#	ARTICLE	IF	CITATIONS
1	PLC ζ : a sperm-specific trigger of Ca ²⁺ oscillations in eggs and embryo development. <i>Development (Cambridge)</i> , 2002, 129, 3533-3544.	1.2	860
2	Purification and reconstitution of the calcium release channel from skeletal muscle. <i>Nature</i> , 1988, 331, 315-319.	13.7	840
3	Calcium oscillations in mammalian eggs triggered by a soluble sperm protein. <i>Nature</i> , 1996, 379, 364-368.	13.7	385
4	Arrhythmogenesis in Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation Research</i> , 2006, 99, 292-298.	2.0	293
5	PLC zeta: a sperm-specific trigger of Ca(2+) oscillations in eggs and embryo development. <i>Development (Cambridge)</i> , 2002, 129, 3533-44.	1.2	250
6	Ryanodine Receptor Mutations Associated With Stress-Induced Ventricular Tachycardia Mediate Increased Calcium Release in Stimulated Cardiomyocytes. <i>Circulation Research</i> , 2003, 93, 531-540.	2.0	226
7	PLC ζ (zeta): A sperm protein that triggers Ca ²⁺ oscillations and egg activation in mammals. <i>Seminars in Cell and Developmental Biology</i> , 2006, 17, 264-273.	2.3	214
8	Redistribution of mitochondria leads to bursts of ATP production during spontaneous mouse oocyte maturation. <i>Journal of Cellular Physiology</i> , 2010, 224, 672-680.	2.0	195
9	Characterization of a Novel PKA Phosphorylation Site, Serine-2030, Reveals No PKA Hyperphosphorylation of the Cardiac Ryanodine Receptor in Canine Heart Failure. <i>Circulation Research</i> , 2005, 96, 847-855.	2.0	175
10	Ryanodine Receptor Type I and Nicotinic Acid Adenine Dinucleotide Phosphate Receptors Mediate Ca ²⁺ Release from Insulin-containing Vesicles in Living Pancreatic β ² -Cells (MIN6). <i>Journal of Biological Chemistry</i> , 2003, 278, 11057-11064.	1.6	163
11	A new function for CD38/ADP-ribosyl cyclase in nuclear Ca ²⁺ homeostasis. <i>Nature Cell Biology</i> , 1999, 1, 409-414.	4.6	159
12	The cytosolic sperm factor that triggers Ca ²⁺ oscillations and egg activation in mammals is a novel phospholipase C: PLC ζ . <i>Reproduction</i> , 2004, 127, 431-439.	1.1	158
13	Ryanodine receptors and ventricular arrhythmias: Emerging trends in mutations, mechanisms and therapies. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 34-50.	0.9	149
14	The muscle ryanodine receptor and its intrinsic Ca ²⁺ channel activity. <i>Journal of Bioenergetics and Biomembranes</i> , 1989, 21, 227-246.	1.0	148
15	Phospholipase C ζ causes Ca ²⁺ oscillations and parthenogenetic activation of human oocytes. <i>Reproduction</i> , 2004, 128, 697-702.	1.1	146
16	The human cardiac muscle ryanodine receptor-calcium release channel: identification, primary structure and topological analysis. <i>Biochemical Journal</i> , 1996, 318, 477-487.	1.7	138
17	Role of Phospholipase C- ζ Domains in Ca ²⁺ -dependent Phosphatidylinositol 4,5-Bisphosphate Hydrolysis and Cytoplasmic Ca ²⁺ Oscillations. <i>Journal of Biological Chemistry</i> , 2005, 280, 31011-31018.	1.6	133
18	Cell cycle-dependent Ca ²⁺ oscillations in mouse embryos are regulated by nuclear targeting of PLC ζ . <i>Journal of Cell Science</i> , 2004, 117, 2513-2521.	1.2	126

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19	Intrinsic lattice formation by the ryanodine receptor calcium-release channel. <i>Nature Cell Biology</i> , 2000, 2, 669-671.	4.6	113
20	Expression of Inositol 1,4,5-Trisphosphate Receptors in Mouse Oocytes and Early Embryos: The Type I Isoform Is Upregulated in Oocytes and Downregulated after Fertilization. <i>Developmental Biology</i> , 1998, 203, 451-461.	0.9	111
21	Presenilins regulate calcium homeostasis and presynaptic function via ryanodine receptors in hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15091-15096.	3.3	97
22	Phospholipase C β rescues failed oocyte activation in a prototype of male factor infertility. <i>Fertility and Sterility</i> , 2013, 99, 76-85.	0.5	91
23	Ryanodine receptor-mediated arrhythmias and sudden cardiac death. , 2009, 123, 151-177.		90
24	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
25	Binding of Phosphoinositide-specific Phospholipase C- β (PLC- β) to Phospholipid Membranes. <i>Journal of Biological Chemistry</i> , 2007, 282, 16644-16653.	1.6	83
26	PLC β and the initiation of Ca ²⁺ oscillations in fertilizing mammalian eggs. <i>Cell Calcium</i> , 2013, 53, 55-62.	1.1	83
27	Arrhythmogenic Mutation-Linked Defects in Ryanodine Receptor Autoregulation Reveal a Novel Mechanism of Ca ²⁺ Release Channel Dysfunction. <i>Circulation Research</i> , 2006, 98, 88-97.	2.0	80
28	Na ⁺ -dependent SR Ca ²⁺ overload induces arrhythmogenic events in mouse cardiomyocytes with a human CPVT mutation. <i>Cardiovascular Research</i> , 2010, 87, 50-59.	1.8	80
29	Starting a new life: Sperm PLC ζ mobilizes the Ca ²⁺ signal that induces egg activation and embryo development. <i>BioEssays</i> , 2012, 34, 126-134.	1.2	78
30	Ca ²⁺ Syntillas, Miniature Ca ²⁺ Release Events in Terminals of Hypothalamic Neurons, Are Increased in Frequency by Depolarization in the Absence of Ca ²⁺ Influx. <i>Journal of Neuroscience</i> , 2004, 24, 1226-1235.	1.7	77
31	Cd38/Adp-Ribosyl Cyclase. <i>Journal of Cell Biology</i> , 1999, 146, 1161-1172.	2.3	76
32	Sperm PLC β : From structure to Ca ²⁺ oscillations, egg activation and therapeutic potential. <i>FEBS Letters</i> , 2013, 587, 3609-3616.	1.3	74
33	Ryanodine stores and calcium regulation in the inner segments of salamander rods and cones. <i>Journal of Physiology</i> , 2003, 547, 761-774.	1.3	72
34	Physical Coupling between Ryanodine Receptor and Calcium Release Channels. <i>Journal of Molecular Biology</i> , 2005, 349, 538-546.	2.0	69
35	PLC β causes Ca ²⁺ oscillations in mouse eggs by targeting intracellular and not plasma membrane PI(4,5)P ₂ . <i>Molecular Biology of the Cell</i> , 2012, 23, 371-380.	0.9	69
36	Differential expression and regulation of ryanodine receptor and inositol 1,4,5-trisphosphate receptor Ca ²⁺ release channels in mammalian tissues and cell lines. <i>Biochemical Journal</i> , 1997, 327, 251-258.	1.7	67

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37	Sperm-induced Ca ²⁺ release during egg activation in mammals. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1204-1211.	1.0	66
38	Egg Activation at Fertilization by a Soluble Sperm Protein. <i>Physiological Reviews</i> , 2016, 96, 127-149.	13.1	66
39	Ryanodine Receptor Regulation by Intramolecular Interaction between Cytoplasmic and Transmembrane Domains. <i>Molecular Biology of the Cell</i> , 2004, 15, 2627-2638.	0.9	63
40	PLC β 1, a sperm-specific PLC and its potential role in fertilization. <i>Biochemical Society Symposia</i> , 2007, 74, 23-36.	2.7	63
41	Phospholipase C β 1 binding to PtdIns(4,5)P ₂ requires the XY-linker region. <i>Journal of Cell Science</i> , 2011, 124, 2582-2590.	1.2	63
42	Redox Sensitivity of the Ryanodine Receptor Interaction with FK506-binding Protein. <i>Journal of Biological Chemistry</i> , 2007, 282, 6976-6983.	1.6	60
43	Novel regulation of PLC β 1 activity via its XY-linker. <i>Biochemical Journal</i> , 2011, 438, 427-432.	1.7	59
44	Functional heterogeneity of ryanodine receptor mutations associated with sudden cardiac death. <i>Cardiovascular Research</i> , 2004, 64, 52-60.	1.8	58
45	Interaction of FKBP12.6 with the Cardiac Ryanodine Receptor C-terminal Domain. <i>Journal of Biological Chemistry</i> , 2005, 280, 5475-5485.	1.6	58
46	Alternative Splicing of Ryanodine Receptors Modulates Cardiomyocyte Ca ²⁺ Signaling and Susceptibility to Apoptosis. <i>Circulation Research</i> , 2007, 100, 874-883.	2.0	58
47	Sperm-specific post-acrosomal WW-domain binding protein (PAWP) does not cause Ca ²⁺ release in mouse oocytes. <i>Molecular Human Reproduction</i> , 2014, 20, 938-947.	1.3	57
48	Rescue of failed oocyte activation after ICSI in a mouse model of male factor infertility by recombinant phospholipase C β 1. <i>Molecular Human Reproduction</i> , 2015, 21, 783-791.	1.3	57
49	The soluble sperm factor that causes Ca ²⁺ release from sea-urchin (<i>Lytechinus pictus</i>) egg homogenates also triggers Ca ²⁺ oscillations after injection into mouse eggs. <i>Biochemical Journal</i> , 1999, 341, 1-4.	1.7	55
50	Phospholipase C β 1-induced Ca ²⁺ oscillations cause coincident cytoplasmic movements in human oocytes that failed to fertilize after intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2012, 97, 742-747.	0.5	55
51	Multiple isoforms of the ryanodine receptor are expressed in rat pancreatic acinar cells. <i>Biochemical Journal</i> , 2000, 351, 265-271.	1.7	53
52	Male infertility-linked point mutation disrupts the Ca ²⁺ oscillation-inducing and PIP ₂ hydrolysis activity of sperm PLC β 1. <i>Biochemical Journal</i> , 2011, 434, 211-217.	1.7	53
53	Preimplantation development of mouse oocytes activated by different levels of human phospholipase C zeta. <i>Human Reproduction</i> , 2007, 23, 365-373.	0.4	50
54	Dihydropyridine Receptors and Type 1 Ryanodine Receptors Constitute the Molecular Machinery for Voltage-Induced Ca ²⁺ Release in Nerve Terminals. <i>Journal of Neuroscience</i> , 2006, 26, 7565-7574.	1.7	49

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55	Role of FKBP12.6 in hypoxia- and norepinephrine-induced Ca ²⁺ release and contraction in pulmonary artery myocytes. <i>Cell Calcium</i> , 2004, 35, 345-355.	1.1	48
56	Expression of sperm PLC ζ and clinical outcomes of ICSI-AOA in men affected by globozoospermia due to DPY19L2 deletion. <i>Reproductive BioMedicine Online</i> , 2018, 36, 348-355.	1.1	47
57	Differential Ca ²⁺ sensitivity of RyR2 mutations reveals distinct mechanisms of channel dysfunction in sudden cardiac death. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 231-238.	1.0	43
58	Two-dimensional crystallization of the ryanodine receptor Ca ²⁺ release channel on lipid membranes. <i>Journal of Structural Biology</i> , 2005, 149, 219-224.	1.3	42
59	Functional disparity between human PAWP and PLC ζ in the generation of Ca ²⁺ oscillations for oocyte activation. <i>Molecular Human Reproduction</i> , 2015, 21, 702-710.	1.3	42
60	Essential Role of Sperm-Specific PLC-Zeta in Egg Activation and Male Factor Infertility: An Update. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 28.	1.8	40
61	In situ modulation of the human cardiac ryanodine receptor (hRyR2) by FKBP12.6. <i>Biochemical Journal</i> , 2003, 370, 579-589.	1.7	39
62	Oligomerization of the cardiac ryanodine receptor C-terminal tail. <i>Biochemical Journal</i> , 2003, 376, 795-799.	1.7	37
63	Regulation of diacylglycerol production and protein kinase C stimulation during sperm ζ -and PLC ζ -mediated mouse egg activation. <i>Biology of the Cell</i> , 2008, 100, 633-643.	0.7	36
64	Ryanodine receptor arrays: not just a pretty pattern?. <i>Trends in Cell Biology</i> , 2008, 18, 149-156.	3.6	35
65	Spatial organization of RYRs and BK channels underlying the activation of STOCs by Ca ²⁺ sparks in airway myocytes. <i>Journal of General Physiology</i> , 2011, 138, 195-209.	0.9	35
66	Essential Role of the EF-hand Domain in Targeting Sperm Phospholipase ζ to Membrane Phosphatidylinositol 4,5-Bisphosphate (PIP ₂). <i>Journal of Biological Chemistry</i> , 2015, 290, 29519-29530.	1.6	35
67	PLC ζ , a sperm-specific PLC and its potential role in fertilization. <i>Biochemical Society Symposia</i> , 2007, 74, 23.	2.7	35
68	A mechanism of ryanodine receptor modulation by FKBP12/12.6, protein kinase A, and K201. <i>Cardiovascular Research</i> , 2010, 85, 68-78.	1.8	34
69	Chimeras of sperm PLC ζ reveal disparate protein domain functions in the generation of intracellular Ca ²⁺ oscillations in mammalian eggs at fertilization. <i>Molecular Human Reproduction</i> , 2013, 19, 852-864.	1.3	34
70	Ryanodine Receptor Expression in the Kidney and a Non-excitabile Kidney Epithelial Cell. <i>Journal of Biological Chemistry</i> , 1996, 271, 29583-29588.	1.6	33
71	A Cytosolic Sperm Protein Factor Mobilizes Ca ²⁺ from Intracellular Stores by Activating Multiple Ca ²⁺ Release Mechanisms Independently of Low Molecular Weight Messengers. <i>Journal of Biological Chemistry</i> , 1997, 272, 28901-28905.	1.6	33
72	Isoform-dependent Formation of Heteromeric Ca ²⁺ Release Channels (Ryanodine Receptors). <i>Journal of Biological Chemistry</i> , 2002, 277, 41778-41785.	1.6	33

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73	Syntillas Release Ca ²⁺ at a Site Different from the Microdomain Where Exocytosis Occurs in Mouse Chromaffin Cells. <i>Biophysical Journal</i> , 2006, 90, 2027-2037.	0.2	33
74	Redox regulation of the ryanodine receptor/calcium release channel. <i>Biochemical Society Transactions</i> , 2006, 34, 919-921.	1.6	33
75	Disparate Ryanodine Receptor Association with the FK506-binding Proteins in Mammalian Heart. <i>Journal of Cell Science</i> , 2012, 125, 1759-69.	1.2	33
76	Human PLC β exhibits superior fertilization potency over mouse PLC β in triggering the Ca ²⁺ oscillations required for mammalian oocyte activation. <i>Molecular Human Reproduction</i> , 2014, 20, 489-498.	1.3	31
77	The sperm phospholipase C- ζ and Ca ²⁺ signalling at fertilization in mammals. <i>Biochemical Society Transactions</i> , 2016, 44, 267-272.	1.6	31
78	Phospholipase C zeta and calcium oscillations at fertilisation: The evidence, applications, and further questions. <i>Advances in Biological Regulation</i> , 2018, 67, 148-162.	1.4	31
79	Ryanodine receptor interaction with the SNARE-associated protein snapin. <i>Journal of Cell Science</i> , 2006, 119, 2386-2397.	1.2	30
80	PLC ζ or PAWP: revisiting the putative mammalian sperm factor that triggers egg activation and embryogenesis. <i>Molecular Human Reproduction</i> , 2015, 21, 383-388.	1.3	30
81	Novel biochemical and functional insights into nuclear Ca ²⁺ transport through IP ₃ Rs and RyRs in osteoblasts. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 278, F784-F791.	1.3	28
82	Divergent effect of mammalian PLC ζ in generating Ca ²⁺ oscillations in somatic cells compared with eggs. <i>Biochemical Journal</i> , 2011, 438, 545-553.	1.7	28
83	Distinctive malfunctions of calmodulin mutations associated with heart RyR2-mediated arrhythmic disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2168-2176.	1.1	28
84	Male infertility-linked point mutation reveals a vital binding role for the C2 domain of sperm PLC ζ . <i>Biochemical Journal</i> , 2017, 474, 1003-1016.	1.7	28
85	A cytosolic sperm factor triggers calcium oscillations in rat hepatocytes. <i>Biochemical Journal</i> , 1996, 313, 369-372.	1.7	27
86	Dysregulated Ryanodine Receptors Mediate Cellular Toxicity. <i>Journal of Biological Chemistry</i> , 2003, 278, 28856-28864.	1.6	27
87	Antigen unmasking enhances visualization efficacy of the oocyte activation factor, phospholipase C zeta, in mammalian sperm. <i>Molecular Human Reproduction</i> , 2017, 23, 54-67.	1.3	26
88	The role and mechanism of action of sperm PLC-zeta in mammalian fertilisation. <i>Biochemical Journal</i> , 2017, 474, 3659-3673.	1.7	26
89	Structural insights into the human RyR2 N-terminal region involved in cardiac arrhythmias. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2897-2912.	2.5	25
90	Altered RyR2 regulation by the calmodulin F90L mutation associated with idiopathic ventricular fibrillation and early sudden cardiac death. <i>FEBS Letters</i> , 2014, 588, 2898-2902.	1.3	25

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91	Is PAWP the "real" sperm factor?. Asian Journal of Andrology, 2015, 17, 444.	0.8	24
92	IP ₃ , IP ₃ receptor, and cellular senescence. American Journal of Physiology - Renal Physiology, 2000, 278, F576-F584.	1.3	23
93	Toward a Molecular Understanding of the Structure-Function of Ryanodine Receptor Ca ²⁺ Release Channels: Perspectives From Recombinant Expression Systems. Cell Biochemistry and Biophysics, 2005, 42, 197-222.	0.9	23
94	Sizes of opioid receptor types in rat brain membranes. European Journal of Pharmacology, 1984, 103, 349-354.	1.7	21
95	The soluble mammalian sperm factor protein that triggers Ca ²⁺ oscillations in eggs: Evidence for expression of mRNA(s) coding for sperm factor protein(s) in spermatogenic cells. Biology of the Cell, 2000, 92, 267-275.	0.7	21
96	Ryanodine receptor binding to FKBP12 is modulated by channel activation state. Journal of Cell Science, 2005, 118, 4613-4619.	1.2	21
97	Ryanodine receptors are part of the myospryn complex in cardiac muscle. Scientific Reports, 2017, 7, 6312.	1.6	21
98	Î²-Dystroglycan: Subcellular Localisation in Rat Brain and Detection of a Novel Immunologically Related, Postsynaptic Density-Enriched Protein. Journal of Neurochemistry, 2002, 66, 2455-2459.	2.1	20
99	Central Domain of the Human Cardiac Muscle Ryanodine Receptor Does Not Mediate Interaction With FKBP12.6. Cell Biochemistry and Biophysics, 2005, 43, 203-220.	0.9	20
100	Hax1 identified as a two-pore channel (TPC) binding protein. FEBS Letters, 2013, 587, 3782-3786.	1.3	20
101	Amino-terminus oligomerization regulates cardiac ryanodine receptor function. Journal of Cell Science, 2013, 126, 5042-51.	1.2	19
102	Impaired Binding to Junctophilin-2 and Nanostructural Alteration in CPVT Mutation. Circulation Research, 2021, 129, e35-e52.	2.0	19
103	Structure of the Calcium Release Channel of Skeletal Muscle Sarcoplasmic Reticulum and Its Regulation by Calcium. Advances in Experimental Medicine and Biology, 1990, 269, 73-77.	0.8	19
104	The dynamics of PKC-induced phosphorylation triggered by Ca ²⁺ oscillations in mouse eggs. Journal of Cellular Physiology, 2013, 228, 110-119.	2.0	18
105	Calsequestrin interacts directly with the cardiac ryanodine receptor luminal domain. Journal of Cell Science, 2016, 129, 3983-3988.	1.2	18
106	Use of Luciferase Chimaera to Monitor PLCÎ¶ Expression in Mouse Eggs. Methods in Molecular Biology, 2009, 518, 17-29.	0.4	17
107	Ryanodine receptor mutations in arrhythmias: advances in understanding the mechanisms of channel dysfunction. Biochemical Society Transactions, 2007, 35, 946-951.	1.6	16
108	Ca ²⁺ dynamics in oocytes from naturally-aged mice. Scientific Reports, 2016, 6, 19357.	1.6	16

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109	Role of ryanodine receptor mutations in cardiac pathology: more questions than answers?. <i>Biochemical Society Transactions</i> , 2006, 34, 913-918.	1.6	15
110	Dantrolene rescues aberrant N-terminus intersubunit interactions in mutant pro-arrhythmic cardiac ryanodine receptors. <i>Cardiovascular Research</i> , 2015, 105, 118-128.	1.8	15
111	Phospholipase C zeta profiles are indicative of optimal sperm parameters and fertilisation success in patients undergoing fertility treatment. <i>Andrology</i> , 2020, 8, 1143-1159.	1.9	15
112	Purification and Reconstitution of the Ryanodine- and Caffeine-Sensitive Ca ²⁺ Release Channel Complex from Muscle Sarcoplasmic Reticulum. <i>Advances in Experimental Medicine and Biology</i> , 1991, 304, 241-256.	0.8	14
113	Developing New Anti-Arrhythmics: Clues from the Molecular Basis of Cardiac Ryanodine Receptor (RyR2) Ca ²⁺ -Release Channel Dysfunction. <i>Current Pharmaceutical Design</i> , 2007, 13, 3195-3211.	0.9	13
114	The dynamics of MAPK inactivation at fertilization in mouse eggs. <i>Journal of Cell Science</i> , 2014, 127, 2749-60.	1.2	13
115	Modification of smooth muscle Ca ²⁺ -sparks by tetracaine: Evidence for sequential RyR activation. <i>Cell Calcium</i> , 2008, 43, 142-154.	1.1	12
116	Mutations in <i>PLCβ1</i> associated with hereditary leukonychia display divergent <i>PIP2</i> hydrolytic function. <i>FEBS Journal</i> , 2016, 283, 4502-4514.	2.2	12
117	Ryanodine Receptor Oligomeric Interaction. <i>Journal of Biological Chemistry</i> , 2004, 279, 14639-14648.	1.6	11
118	FKBP12.6 binding of ryanodine receptors carrying mutations associated with arrhythmogenic cardiac disease. <i>Biochemical Journal</i> , 2009, 419, 273-278.	1.7	11
119	The structure and function relationship of sperm PLC-zeta. <i>Reproduction</i> , 2022, , .	1.1	11
120	Non-ventricular, Clinical, and Functional Features of the RyR2R420Q Mutation Causing Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Revista Espanola De Cardiologia (English Ed)</i> Tj ETQq0 0 0ogBT /Overlock 10 Tf		
121	Ryanodine receptor structure, function and pathophysiology. <i>New Comprehensive Biochemistry</i> , 2007, 41, 287-342.	0.1	9
122	N-terminus oligomerization is conserved in intracellular calcium release channels. <i>Biochemical Journal</i> , 2014, 459, 265-273.	1.7	9
123	Structural and functional interactions within ryanodine receptor. <i>Biochemical Society Transactions</i> , 2015, 43, 377-383.	1.6	9
124	Association of cardiac myosin binding protein-C with the ryanodine receptor channel: putative retrograde regulation?. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	9
125	Ryanodine receptor dysfunction in arrhythmia and sudden cardiac death. <i>Future Cardiology</i> , 2005, 1, 531-541.	0.5	8
126	Molecular nature of sulfhydryl modification by hydrogen peroxide on type 1 ryanodine receptor1. <i>Acta Pharmacologica Sinica</i> , 2006, 27, 888-894.	2.8	8

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127	Hypertrophic cardiomyopathy-linked variants of cardiac myosin-binding protein C3 display altered molecular properties and actin interaction. <i>Biochemical Journal</i> , 2018, 475, 3933-3948.	1.7	8
128	CMV promoter is inadequate for expression of mutant human RyR2 in transgenic rabbits. <i>Journal of Pharmacological and Toxicological Methods</i> , 2011, 63, 180-185.	0.3	7
129	Arrhythmogenic calmodulin E105A mutation alters cardiac RyR2 regulation leading to cardiac dysfunction in zebrafish. <i>Annals of the New York Academy of Sciences</i> , 2019, 1448, 19-29.	1.8	7
130	Bioinformatic mapping and production of recombinant N-terminal domains of human cardiac ryanodine receptor 2. <i>Protein Expression and Purification</i> , 2010, 71, 33-41.	0.6	6
131	ATP interacts with the CPVT mutation-associated central domain of the cardiac ryanodine receptor. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4426-4432.	1.1	6
132	Advancing male age differentially alters levels and localization patterns of PLCzeta in sperm and testes from different mouse strains. <i>Asian Journal of Andrology</i> , 2021, 23, 178.	0.8	4
133	Genetic and Biochemical Approaches for <i>In Vivo</i> and <i>In Vitro</i> Assessment of Protein Oligomerization: The Ryanodine Receptor Case Study. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	3
134	Phosphorylation by protein kinase A changes the equilibrium binding of ryanodine receptor Ca ²⁺ channels for FKBP12. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 981-982.	0.9	1
135	Fundamental Role for Sperm Phospholipase C β in Mammalian Fertilization. , 0, , 177-192.		1
136	Evidence for distinct dystrophin C-terminal transcripts in rabbit brain. <i>Biochemical Society Transactions</i> , 1996, 24, 272S-272S.	1.6	0
137	Insights into the Three-Dimensional Organization of Ryanodine Receptors. , 2009, , 463-486.		0
138	Where Life Begins: Sperm PLC β in Mammalian Egg Activation and Implications in Male Infertility. , 2014, , 247-262.		0
139	Favourable Prognosis when Lung-Cancer Patients with Superior Vena Cava Obstruction (SVCO) are Referred Promptly to EBUS-TBNA Prior to Medical or Surgical Management. <i>Jacobs Journal of Pulmonology</i> , 2015, 1, .	0.0	0