

F Anthony Lai

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137
papers

7,813
citations

47
h-index

85
g-index

140
ext. papers

8,320
ext. citations

6.4
avg, IF

5.67
L-index

#	Paper	IF	Citations
137	Purification and reconstitution of the calcium release channel from skeletal muscle. <i>Nature</i> , 1988 , 331, 315-9	50.4	757
136	PLC β a sperm-specific trigger of Ca $^{2+}$ oscillations in eggs and embryo development. <i>Development (Cambridge)</i> , 2002 , 129, 3533-3544	6.6	692
135	Calcium oscillations in mammalian eggs triggered by a soluble sperm protein. <i>Nature</i> , 1996 , 379, 364-8	50.4	345
134	Arrhythmogenesis in catecholaminergic polymorphic ventricular tachycardia: insights from a RyR2 R4496C knock-in mouse model. <i>Circulation Research</i> , 2006 , 99, 292-8	15.7	256
133	PLC zeta: a sperm-specific trigger of Ca(2+) oscillations in eggs and embryo development. <i>Development (Cambridge)</i> , 2002 , 129, 3533-44	6.6	237
132	Ryanodine receptor mutations associated with stress-induced ventricular tachycardia mediate increased calcium release in stimulated cardiomyocytes. <i>Circulation Research</i> , 2003 , 93, 531-40	15.7	203
131	PLCzeta(zeta): a sperm protein that triggers Ca $^{2+}$ oscillations and egg activation in mammals. <i>Seminars in Cell and Developmental Biology</i> , 2006 , 17, 264-73	7.5	183
130	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, 847-55	15.7	158
129	Redistribution of mitochondria leads to bursts of ATP production during spontaneous mouse oocyte maturation. <i>Journal of Cellular Physiology</i> , 2010 , 224, 672-80	7	147
128	Ryanodine receptor type I and nicotinic acid adenine dinucleotide phosphate receptors mediate Ca $^{2+}$ release from insulin-containing vesicles in living pancreatic beta-cells (MIN6). <i>Journal of Biological Chemistry</i> , 2003 , 278, 11057-64	5.4	144
127	A new function for CD38/ADP-ribosyl cyclase in nuclear Ca $^{2+}$ homeostasis. <i>Nature Cell Biology</i> , 1999 , 1, 409-14	23.4	139
126	The muscle ryanodine receptor and its intrinsic Ca $^{2+}$ channel activity. <i>Journal of Bioenergetics and Biomembranes</i> , 1989 , 21, 227-46	3.7	137
125	The cytosolic sperm factor that triggers Ca $^{2+}$ oscillations and egg activation in mammals is a novel phospholipase C: PLCzeta. <i>Reproduction</i> , 2004 , 127, 431-9	3.8	136
124	The human cardiac muscle ryanodine receptor-calcium release channel: identification, primary structure and topological analysis. <i>Biochemical Journal</i> , 1996 , 318 (Pt 2), 477-87	3.8	130
123	Ryanodine receptors and ventricular arrhythmias: emerging trends in mutations, mechanisms and therapies. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 34-50	5.8	129
122	Phospholipase Czeta causes Ca $^{2+}$ oscillations and parthenogenetic activation of human oocytes. <i>Reproduction</i> , 2004 , 128, 697-702	3.8	125
121	Cell cycle-dependent Ca $^{2+}$ oscillations in mouse embryos are regulated by nuclear targeting of PLCzeta. <i>Journal of Cell Science</i> , 2004 , 117, 2513-21	5.3	116

120	Role of phospholipase C-zeta domains in Ca ²⁺ -dependent phosphatidylinositol 4,5-bisphosphate hydrolysis and cytoplasmic Ca ²⁺ oscillations. <i>Journal of Biological Chemistry</i> , 2005 , 280, 31011-8	5.4	114
119	Intrinsic lattice formation by the ryanodine receptor calcium-release channel. <i>Nature Cell Biology</i> , 2000 , 2, 669-71	23.4	105
118	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, 451-61	3.1	103
117	Binding of phosphoinositide-specific phospholipase C-zeta (PLC-zeta) to phospholipid membranes: potential role of an unstructured cluster of basic residues. <i>Journal of Biological Chemistry</i> , 2007 , 282, 16644-53	5.4	80
116	Mineralocorticoid modulation of cardiac ryanodine receptor activity is associated with downregulation of FK506-binding proteins. <i>Circulation</i> , 2009 , 119, 2179-87	16.7	79
115	PLC β and the initiation of Ca(2+) oscillations in fertilizing mammalian eggs. <i>Cell Calcium</i> , 2013 , 53, 55-62	4	77
114	Ryanodine receptor-mediated arrhythmias and sudden cardiac death. <i>Pharmacology & Therapeutics</i> , 2009 , 123, 151-77	13.9	77
113	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, 15091-6	11.5	74
112	Na ⁺ -dependent SR Ca ²⁺ overload induces arrhythmogenic events in mouse cardiomyocytes with a human CPVT mutation. <i>Cardiovascular Research</i> , 2010 , 87, 50-9	9.9	74
111	Phospholipase C β rescues failed oocyte activation in a prototype of male factor infertility. <i>Fertility and Sterility</i> , 2013 , 99, 76-85	4.8	73
110	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	15.7	72
109	CD38/ADP-ribosyl cyclase: A new role in the regulation of osteoclastic bone resorption. <i>Journal of Cell Biology</i> , 1999 , 146, 1161-72	7.3	72
108	Starting a new life: sperm PLC-zeta mobilizes the Ca ²⁺ signal that induces egg activation and embryo development: an essential phospholipase C with implications for male infertility. <i>BioEssays</i> , 2012 , 34, 126-34	4.1	68
107	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, 1226-35	6.6	67
106	Ryanodine stores and calcium regulation in the inner segments of salamander rods and cones. <i>Journal of Physiology</i> , 2003 , 547, 761-74	3.9	66
105	Differential expression and regulation of ryanodine receptor and myo-inositol 1,4,5-trisphosphate receptor Ca ²⁺ release channels in mammalian tissues and cell lines. <i>Biochemical Journal</i> , 1997 , 327 (Pt 1), 251-8	3.8	63
104	Physical coupling between ryanodine receptor-calcium release channels. <i>Journal of Molecular Biology</i> , 2005 , 349, 538-46	6.5	63
103	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, 371-80	3.5	61

102	Sperm PLC β from structure to Ca ²⁺ oscillations, egg activation and therapeutic potential. <i>FEBS Letters</i> , 2013 , 587, 3609-16	3.8	59
101	PLC β a sperm-specific PLC and its potential role in fertilization. <i>Biochemical Society Symposia</i> , 2007 , 74, 23-36		58
100	Redox sensitivity of the ryanodine receptor interaction with FK506-binding protein. <i>Journal of Biological Chemistry</i> , 2007 , 282, 6976-83	5.4	56
99	Sperm-induced Ca ²⁺ release during egg activation in mammals. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 450, 1204-11	3.4	54
98	Ryanodine receptor regulation by intramolecular interaction between cytoplasmic and transmembrane domains. <i>Molecular Biology of the Cell</i> , 2004 , 15, 2627-38	3.5	54
97	Phospholipase C binding to PtdIns(4,5)P ₂ requires the XY-linker region. <i>Journal of Cell Science</i> , 2011 , 124, 2582-90	5.3	53
96	Alternative splicing of ryanodine receptors modulates cardiomyocyte Ca ²⁺ signaling and susceptibility to apoptosis. <i>Circulation Research</i> , 2007 , 100, 874-83	15.7	53
95	Interaction of FKBP12.6 with the cardiac ryanodine receptor C-terminal domain. <i>Journal of Biological Chemistry</i> , 2005 , 280, 5475-85	5.4	53
94	Multiple isoforms of the ryanodine receptor are expressed in rat pancreatic acinar cells. <i>Biochemical Journal</i> , 2000 , 351, 265-271	3.8	51
93	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	3.8	50
92	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, 938-47	4.4	48
91	Rescue of failed oocyte activation after ICSI in a mouse model of male factor infertility by recombinant phospholipase C. <i>Molecular Human Reproduction</i> , 2015 , 21, 783-91	4.4	47
90	Role of FKBP12.6 in hypoxia- and norepinephrine-induced Ca ²⁺ release and contraction in pulmonary artery myocytes. <i>Cell Calcium</i> , 2004 , 35, 345-55	4	47
89	Egg Activation at Fertilization by a Soluble Sperm Protein. <i>Physiological Reviews</i> , 2016 , 96, 127-49	47.9	46
88	Male infertility-linked point mutation disrupts the Ca ²⁺ oscillation-inducing and PIP(2) hydrolysis activity of sperm PLC β . <i>Biochemical Journal</i> , 2011 , 434, 211-7	3.8	46
87	Novel regulation of PLC β activity via its XY-linker. <i>Biochemical Journal</i> , 2011 , 438, 427-32	3.8	45
86	Functional heterogeneity of ryanodine receptor mutations associated with sudden cardiac death. <i>Cardiovascular Research</i> , 2004 , 64, 52-60	9.9	43
85	Phospholipase C-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, 742-47 ⁸		42

84	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, 7565-74	6.6	41
83	Preimplantation development of mouse oocytes activated by different levels of human phospholipase C zeta. <i>Human Reproduction</i> , 2008 , 23, 365-73	5.7	41
82	Two-dimensional crystallization of the ryanodine receptor Ca ²⁺ release channel on lipid membranes. <i>Journal of Structural Biology</i> , 2005 , 149, 219-24	3.4	39
81	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, 231-8	3.4	37
80	Oligomerization of the cardiac ryanodine receptor C-terminal tail. <i>Biochemical Journal</i> , 2003 , 376, 795-9	3.8	34
79	In situ modulation of the human cardiac ryanodine receptor (hRyR2) by FKBP12.6. <i>Biochemical Journal</i> , 2003 , 370, 579-89	3.8	33
78	Functional disparity between human PAWP and PLC β in the generation of Ca ²⁺ oscillations for oocyte activation. <i>Molecular Human Reproduction</i> , 2015 , 21, 702-10	4.4	32
77	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	3.4	32
76	Ryanodine receptor arrays: not just a pretty pattern?. <i>Trends in Cell Biology</i> , 2008 , 18, 149-56	18.3	32
75	Expression of sperm PLC β and clinical outcomes of ICSI-AOA in men affected by globozoospermia due to DPY19L2 deletion. <i>Reproductive BioMedicine Online</i> , 2018 , 36, 348-355	4	31
74	Redox regulation of the ryanodine receptor/calcium release channel. <i>Biochemical Society Transactions</i> , 2006 , 34, 919-21	5.1	31
73	PLCzeta, a sperm-specific PLC and its potential role in fertilization. <i>Biochemical Society Symposia</i> , 2007 , 23-36		31
72	Disparities in the association of the ryanodine receptor and the FK506-binding proteins in mammalian heart. <i>Journal of Cell Science</i> , 2012 , 125, 1759-69	5.3	30
71	Chimeras of sperm PLC β 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, 852-64	4.4	30
70	Regulation of diacylglycerol production and protein kinase C stimulation during sperm- and PLCzeta-mediated mouse egg activation. <i>Biology of the Cell</i> , 2008 , 100, 633-43	3.5	30
69	A mechanism of ryanodine receptor modulation by FKBP12/12.6, protein kinase A, and K201. <i>Cardiovascular Research</i> , 2010 , 85, 68-78	9.9	29
68	Syntillas release Ca ²⁺ at a site different from the microdomain where exocytosis occurs in mouse chromaffin cells. <i>Biophysical Journal</i> , 2006 , 90, 2027-37	2.9	29
67	Ryanodine receptor expression in the kidney and a non-excitabile kidney epithelial cell. <i>Journal of Biological Chemistry</i> , 1996 , 271, 29583-8	5.4	29

66	Isoform-dependent formation of heteromeric Ca ²⁺ release channels (ryanodine receptors). <i>Journal of Biological Chemistry</i> , 2002 , 277, 41778-85	5.4	28
65	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, 489-98	4.4	27
64	Divergent effect of mammalian PLC β generating Ca ²⁺ oscillations in somatic cells compared with eggs. <i>Biochemical Journal</i> , 2011 , 438, 545-53	3.8	25
63	PLC β PAWP: revisiting the putative mammalian sperm factor that triggers egg activation and embryogenesis. <i>Molecular Human Reproduction</i> , 2015 , 21, 383-8	4.4	24
62	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, 28901-5	5.4	24
61	Dysregulated ryanodine receptors mediate cellular toxicity: restoration of normal phenotype by FKBP12.6. <i>Journal of Biological Chemistry</i> , 2003 , 278, 28856-64	5.4	24
60	The sperm phospholipase C- β and Ca ²⁺ signalling at fertilization in mammals. <i>Biochemical Society Transactions</i> , 2016 , 44, 267-72	5.1	24
59	Essential Role of the EF-hand Domain in Targeting Sperm Phospholipase C β to Membrane Phosphatidylinositol 4,5-Bisphosphate (PIP ₂). <i>Journal of Biological Chemistry</i> , 2015 , 290, 29519-30	5.4	23
58	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, F784-91	4.3	23
57	A cytosolic sperm factor triggers calcium oscillations in rat hepatocytes. <i>Biochemical Journal</i> , 1996 , 313 (Pt 2), 369-72	3.8	23
56	Distinctive malfunctions of calmodulin mutations associated with heart RyR2-mediated arrhythmic disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 2168-76	4	22
55	Structural insights into the human RyR2 N-terminal region involved in cardiac arrhythmias. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 2897-912		22
54	Ryanodine receptor interaction with the SNARE-associated protein snapin. <i>Journal of Cell Science</i> , 2006 , 119, 2386-97	5.3	22
53	Phospholipase C zeta and calcium oscillations at fertilisation: The evidence, applications, and further questions. <i>Advances in Biological Regulation</i> , 2018 , 67, 148-162	6.2	20
52	Male infertility-linked point mutation reveals a vital binding role for the C2 domain of sperm PLC β . <i>Biochemical Journal</i> , 2017 , 474, 1003-1016	3.8	19
51	Central domain of the human cardiac muscle ryanodine receptor does not mediate interaction with FKBP12.6. <i>Cell Biochemistry and Biophysics</i> , 2005 , 43, 203-19	3.2	19
50	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	4.4	18
49	Beta-dystroglycan: subcellular localisation in rat brain and detection of a novel immunologically related, postsynaptic density-enriched protein. <i>Journal of Neurochemistry</i> , 1996 , 66, 2455-9	6	18

48	Toward a molecular understanding of the structure-function of ryanodine receptor Ca ²⁺ release channels: perspectives from recombinant expression systems. <i>Cell Biochemistry and Biophysics</i> , 2005 , 42, 197-222	3.2	18
47	Ryanodine receptor binding to FKBP12 is modulated by channel activation state. <i>Journal of Cell Science</i> , 2005 , 118, 4613-9	5.3	18
46	Is PAWP the "real" sperm factor?. <i>Asian Journal of Andrology</i> , 2015 , 17, 444-6	2.8	18
45	Structure of the calcium release channel of skeletal muscle sarcoplasmic reticulum and its regulation by calcium. <i>Advances in Experimental Medicine and Biology</i> , 1990 , 269, 73-7	3.6	18
44	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	5.7	17
43	Hax-1 identified as a two-pore channel (TPC)-binding protein. <i>FEBS Letters</i> , 2013 , 587, 3782-6	3.8	17
42	Sizes of opioid receptor types in rat brain membranes. <i>European Journal of Pharmacology</i> , 1984 , 103, 349-54	5.3	17
41	The role and mechanism of action of sperm PLC-zeta in mammalian fertilisation. <i>Biochemical Journal</i> , 2017 , 474, 3659-3673	3.8	16
40	Altered RyR2 regulation by the calmodulin F90L mutation associated with idiopathic ventricular fibrillation and early sudden cardiac death. <i>FEBS Letters</i> , 2014 , 588, 2898-902	3.8	16
39	N-terminus oligomerization regulates the function of cardiac ryanodine receptors. <i>Journal of Cell Science</i> , 2013 , 126, 5042-51	5.3	16
38	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. <i>Biology of the Cell</i> , 2000 , 92, 267-75	3.5	16
37	IP(3), IP(3) receptor, and cellular senescence. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 278, F576-84	4.3	16
36	Use of luciferase chimaera to monitor PLCzeta expression in mouse eggs. <i>Methods in Molecular Biology</i> , 2009 , 518, 17-29	1.4	16
35	The dynamics of PKC-induced phosphorylation triggered by Ca ²⁺ oscillations in mouse eggs. <i>Journal of Cellular Physiology</i> , 2013 , 228, 110-9	7	15
34	Ryanodine receptors are part of the myospryn complex in cardiac muscle. <i>Scientific Reports</i> , 2017 , 7, 6312.9	14	14
33	Ryanodine receptor mutations in arrhythmias: advances in understanding the mechanisms of channel dysfunction. <i>Biochemical Society Transactions</i> , 2007 , 35, 946-51	5.1	14
32	Role of ryanodine receptor mutations in cardiac pathology: more questions than answers?. <i>Biochemical Society Transactions</i> , 2006 , 34, 913-8	5.1	14
31	Calsequestrin interacts directly with the cardiac ryanodine receptor luminal domain. <i>Journal of Cell Science</i> , 2016 , 129, 3983-3988	5.3	13

30	Ca(2+) dynamics in oocytes from naturally-aged mice. <i>Scientific Reports</i> , 2016 , 6, 19357	4.9	12
29	Rasgos no ventriculares, clínicos y funcionales de la mutación RyR2R420Q causante de taquicardia ventricular polimórfica catecolaminérgica. <i>Revista Espanola De Cardiologia</i> , 2015 , 68, 398-407	1.5	12
28	The dynamics of MAPK inactivation at fertilization in mouse eggs. <i>Journal of Cell Science</i> , 2014 , 127, 2749-50	3.9	12
27	Modification of smooth muscle Ca ²⁺ -sparks by tetracaine: evidence for sequential RyR activation. <i>Cell Calcium</i> , 2008 , 43, 142-54	4	12
26	Mutations in PLC β associated with hereditary leukonychia display divergent PIP2 hydrolytic function. <i>FEBS Journal</i> , 2016 , 283, 4502-4514	5.7	12
25	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, 241-56	3.6	12
24	Dantrolene rescues aberrant N-terminus intersubunit interactions in mutant pro-arrhythmic cardiac ryanodine receptors. <i>Cardiovascular Research</i> , 2015 , 105, 118-28	9.9	11
23	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, 3195-211	3.3	11
22	Ryanodine receptor oligomeric interaction: identification of a putative binding region. <i>Journal of Biological Chemistry</i> , 2004 , 279, 14639-48	5.4	9
21	FKBP12.6 binding of ryanodine receptors carrying mutations associated with arrhythmogenic cardiac disease. <i>Biochemical Journal</i> , 2009 , 419, 273-8	3.8	8
20	Ryanodine receptor structure, function and pathophysiology. <i>New Comprehensive Biochemistry</i> , 2007 , 41, 287-342		8
19	Structural and functional interactions within ryanodine receptor. <i>Biochemical Society Transactions</i> , 2015 , 43, 377-83	5.1	7
18	Non-ventricular, Clinical, and Functional Features of the RyR2(R420Q) Mutation Causing Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2015 , 68, 398-407	0.7	7
17	N-terminus oligomerization is conserved in intracellular calcium release channels. <i>Biochemical Journal</i> , 2014 , 459, 265-73	3.8	7
16	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	4.2	7
15	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	3.8	7
14	Association of cardiac myosin-binding protein-C with the ryanodine receptor channel - putative retrograde regulation?. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	6
13	ATP interacts with the CPVT mutation-associated central domain of the cardiac ryanodine receptor. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 4426-32	4	6

12	Molecular nature of sulfhydryl modification by hydrogen peroxide on type 1 ryanodine receptor. <i>Acta Pharmacologica Sinica</i> , 2006 , 27, 888-94	8	6
11	Impaired Binding to Junctophilin-2 and Nanostructural Alteration in CPVT Mutation. <i>Circulation Research</i> , 2021 , 129, e35-e52	15.7	6
10	Ryanodine receptor dysfunction in arrhythmia and sudden cardiac death. <i>Future Cardiology</i> , 2005 , 1, 531-41	4.1	5
9	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	2	4
8	Genetic and Biochemical Approaches for In Vivo and In Vitro Assessment of Protein Oligomerization: The Ryanodine Receptor Case Study. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	3
7	CMV promoter is inadequate for expression of mutant human RyR2 in transgenic rabbits. <i>Journal of Pharmacological and Toxicological Methods</i> , 2011 , 63, 180-5	1.7	3
6	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	6.5	2
5	Fundamental Role for Sperm Phospholipase C ζ in Mammalian Fertilization	177-192	1
4	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, 178-187	2.8	1
3	Evidence for distinct dystrophin C-terminal transcripts in rabbit brain. <i>Biochemical Society Transactions</i> , 1996 , 24, 272S	5.1	
2	Insights into the Three-Dimensional Organization of Ryanodine Receptors	2009 , 463-486	
1	Where Life Begins: Sperm PLC ζ in Mammalian Egg Activation and Implications in Male Infertility	2014 , 247-262	