Angela F Dulhunty

List of Publications by Year
in descending order

186 papers	7,183 citations	53794 45 h-index	74163 75 g-index
202 all docs	202 docs citations	202 times ranked	6706 citing authors

#	Article	IF	Citations
1	Gating of RYR2 channels from the arrhythmic RYR2-P2328S mouse heart and some unexpected actions of flecainide. Journal of General Physiology, 2022, 154, .	1.9	3
2	Molecular Changes in the Cardiac RyR2 With Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT). Frontiers in Physiology, 2022, 13, 830367.	2.8	6
3	Molecular interactions of <scp>STAC</scp> proteins with skeletal muscle dihydropyridine receptor and excitationâ€contraction coupling. Protein Science, 2022, 31, e4311.	7.6	2
4	How does flecainide impact RyR2 channel function?. Journal of General Physiology, 2022, 154, .	1.9	11
5	Flecainide Paradoxically Activates Cardiac Ryanodine Receptor Channels under Low Activity Conditions: A Potential Pro-Arrhythmic Action. Cells, 2021, 10, 2101.	4.1	10
6	Peptide mimetic compounds can activate or inhibit cardiac and skeletal ryanodine receptors. Life Sciences, 2020, 260, 118234.	4.3	1
7	Neutralizing the pathological effects of extracellular histones with small polyanions. Nature Communications, 2020, 11, 6408.	12.8	48
8	Ion channel gating in cardiac ryanodine receptors from the arrhythmic RyR2-P2328S mouse. Journal of Cell Science, 2019, 132, .	2.0	21
9	Activation of RyR2 by class I kinase inhibitors. British Journal of Pharmacology, 2019, 176, 773-786.	5.4	12
10	Multiple targets for flecainide action: implications for cardiac arrhythmogenesis. British Journal of Pharmacology, 2018, 175, 1260-1278.	5.4	48
11	Functional and structural characterization of a novel malignant hyperthermia-susceptible variant of DHPR-Î²1a subunit (CACNB1). American Journal of Physiology - Cell Physiology, 2018, 314, C323-C333.	4.6	7
12	Ryanodine receptor Ca2+ release channel post-translational modification: Central player in cardiac and skeletal muscle disease. International Journal of Biochemistry and Cell Biology, 2018, 101, 49-53.	2.8	26
13	Exploiting Peptidomimetics to Synthesize Compounds That Activate Ryanodine Receptor Calcium Release Channels. ChemMedChem, 2018, 13, 1957-1971.	3.2	7
14	Recent advances in understanding the ryanodine receptor calcium release channels and their role in calcium signalling. F1000Research, 2018, 7, 1851.	1.6	14
15	Ryanodine receptor modification and regulation by intracellular Ca2+ and Mg2+ in healthy and failing human hearts. Journal of Molecular and Cellular Cardiology, 2017, 104, 53-62.	1.9	30
16	Structural and biophysical analyses of the skeletal dihydropyridine receptor Î² subunit Î²1a reveal critical roles of domain interactions for stability. Journal of Biological Chemistry, 2017, 292, 8401-8411.	3.4	7
17	FKBP association with RyR channels: effect of CLIC2 binding on sub-conductance opening and FKBP binding. Journal of Cell Science, 2017, 130, 3588-3600.	2.0	12
18	The Anthracycline Metabolite Doxorubicinol Abolishes RyR2 Sensitivity to Physiological Changes in Luminal Ca²⁺through an Interaction with Calsequestrin. Molecular Pharmacology, 2017, 92, 576-587.	2.3	7

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19	Core skeletal muscle ryanodine receptor calcium release complex. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 3-12.	1.9	23
20	Physiology and Pharmacology of Ryanodine Receptor Calcium Release Channels. Advances in Pharmacology, 2017, 79, 287-324.	2.0	7
21	Three residues in the luminal domain of triadin impact on Trisk 95 activation of skeletal muscle ryanodine receptors. Pflugers Archiv European Journal of Physiology, 2016, 468, 1985-1994.	2.8	7
22	Unexpected dependence of RyR1 splice variant expression in human lower limb muscles on fiber-type composition. Pflugers Archiv European Journal of Physiology, 2016, 468, 269-278.	2.8	3
23	The GSTM2 C-Terminal Domain Depresses Contractility and Ca2+ Transients in Neonatal Rat Ventricular Cardiomyocytes. PLoS ONE, 2016, 11, e0162415.	2.5	7
24	Regions of ryanodine receptors that influence activation by the dihydropyridine receptor Î²1a subunit. Skeletal Muscle, 2015, 5, 23.	4.2	6
25	A novel cytoplasmic interaction between junctin and ryanodine receptor calcium release channels. Journal of Cell Science, 2015, 128, 951-63.	2.0	17
26	C-terminal residues of skeletal muscle calsequestrin are essential for calcium binding and for skeletal ryanodine receptor inhibition. Skeletal Muscle, 2015, 5, 6.	4.2	24
27	Glutathione transferase M2 variants inhibit ryanodine receptor function in adult mouse cardiomyocytes. Biochemical Pharmacology, 2015, 97, 269-280.	4.4	8
28	Adverse Effects of Doxorubicin and Its Metabolic Product on Cardiac RyR2 and SERCA2A. Molecular Pharmacology, 2014, 86, 438-449.	2.3	106
29	Cardiac ryanodine receptor activation by high Ca2+ store load is reversed in a reducing cytoplasmic redox environment. Journal of Cell Science, 2014, 127, 4531-41.	2.0	13
30	Skeletal muscle excitationâ€"contraction coupling: Who are the dancing partners?. International Journal of Biochemistry and Cell Biology, 2014, 48, 28-38.	2.8	78
31	Differences in the regulation of RyR2 from human, sheep, and rat by Ca2+ and Mg2+ in the cytoplasm and in the lumen of the sarcoplasmic reticulum. Journal of General Physiology, 2014, 144, 263-271.	1.9	20
32	Î²1a490â€"508, a 19-Residue Peptide from C-Terminal Tail of Cav1.1 Î²1a Subunit, Potentiates Voltage-Dependent Calcium Release in Adult Skeletal Muscle Fibers. Biophysical Journal, 2014, 106, 535-547.	0.5	13
33	Interactions between Dihydropyridine Î²1A Subunit and Ryanodine Receptor Isoforms. Biophysical Journal, 2013, 104, 105a.	0.5	2
34	Multiple actions of Ï†-LITX-Lw1a on ryanodine receptors reveal a functional link between scorpion DDH and ICK toxins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8906-8911.	7.1	35
35	ÃŸ-Adrenergic Stimulation Increases RyR2 Activity via Intracellular Ca2+ and Mg2+ Regulation. PLoS ONE, 2013, 8, e58334.	2.5	37
36	An X-linked channelopathy with cardiomegaly due to a CLIC2 mutation enhancing ryanodine receptor channel activity. Human Molecular Genetics, 2012, 21, 4497-4507.	2.9	84

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37	Regulation and dysregulation of cardiac ryanodine receptor (RyR2) open probability during diastole in health and disease. Journal of General Physiology, 2012, 140, 87-92.	1.9	13
38	An Î±â€helical Câ€terminal tail segment of the skeletal Lâ€type Ca 2+ channel Î² 1a subunit activates ryanodine receptor type 1 via a hydrophobic surface. FASEB Journal, 2012, 26, 5049-5059.	0.5	18
39	The inhibitory glutathione transferase M2-2 binding site is located in divergent region 3 of the cardiac ryanodine receptor. Biochemical Pharmacology, 2012, 83, 1523-1529.	4.4	10
40	Proteins within the intracellular calcium store determine cardiac <scp>R</scp>y<scp>R</scp> channel activity and cardiac output. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 477-484.	1.9	21
41	A Skeletal Muscle Ryanodine Receptor Interaction Domain in Triadin. PLoS ONE, 2012, 7, e43817.	2.5	16
42	Regulation of the cardiac muscle ryanodine receptor by glutathione transferases. Drug Metabolism Reviews, 2011, 43, 236-252.	3.6	29
43	The Î²1a Subunit of the Skeletal DHPR Binds to Skeletal RyR1 and Activates the Channel via Its 35-Residue C-Terminal Tail. Biophysical Journal, 2011, 100, 922-930.	0.5	36
44	3D Mapping of the SPRY2 Domain of Ryanodine Receptor 1 by Single-Particle Cryo-EM. PLoS ONE, 2011, 6, e25813.	2.5	14
45	The elusive role of the SPRY2 domain in RyR1. Channels, 2011, 5, 148-160.	2.8	13
46	The Ryanodine Receptor: A Pivotal Ca2+ Regulatory Protein and Potential Therapeutic Drug Target. Current Drug Targets, 2011, 12, 709-723.	2.1	32
47	Cyclization of the Intrinsically Disordered Î±1S Dihydropyridine Receptor II-III Loop Enhances Secondary Structure and in Vitro Function. Journal of Biological Chemistry, 2011, 286, 22589-22599.	3.4	12
48	Multiple Actions of the Anthracycline Daunorubicin on Cardiac Ryanodine Receptors. Molecular Pharmacology, 2011, 80, 538-549.	2.3	21
49	The structure of the C-terminal helical bundle in glutathione transferase M2-2 determines its ability to inhibit the cardiac ryanodine receptor. Biochemical Pharmacology, 2010, 80, 381-388.	4.4	13
50	Dissection of the inhibition of cardiac ryanodine receptors by human glutathione transferase GSTM2-2. Biochemical Pharmacology, 2009, 77, 1181-1193.	4.4	18
51	Alternative splicing of RyR1 alters the efficacy of skeletal EC coupling. Cell Calcium, 2009, 45, 264-274.	2.4	52
52	Unique isoform-specific properties of calsequestrin in the heart and skeletal muscle. Cell Calcium, 2009, 45, 474-484.	2.4	56
53	In vitro modulation of the cardiac ryanodine receptor activity by Homer1. Pflugers Archiv European Journal of Physiology, 2009, 458, 723-732.	2.8	14
54	Ca2+ signaling in striated muscle: the elusive roles of triadin, junctin, and calsequestrin. European Biophysics Journal, 2009, 39, 27-36.	2.2	45

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55	Ubiquitous SPRY domains and their role in the skeletal type ryanodine receptor. European Biophysics Journal, 2009, 39, 51-59.	2.2	23
56	The voltage-gated calcium-channel Î² subunit: more than just an accessory. European Biophysics Journal, 2009, 39, 75-81.	2.2	26
57	Homer and the ryanodine receptor. European Biophysics Journal, 2009, 39, 91-102.	2.2	38
58	Junctin â€“ the quiet achiever. Journal of Physiology, 2009, 587, 3135-3137.	2.9	16
59	CONTROL OF MUSCLE RYANODINE RECEPTOR CALCIUM RELEASE CHANNELS BY PROTEINS IN THE SARCOPLASMIC RETICULUM LUMEN. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 340-345.	1.9	28
60	MOLECULAR RECOGNITION OF THE DISORDERED DIHYDROPYRIDINE RECEPTOR IIâ€“III LOOP BY A CONSERVED SPRY DOMAIN OF THE TYPE 1 RYANODINE RECEPTOR. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 346-349.	1.9	15
61	A dihydropyridine receptor Î±1s loop region critical for skeletal muscle contraction is intrinsically unstructured and binds to a SPRY domain of the type 1 ryanodine receptor. International Journal of Biochemistry and Cell Biology, 2009, 41, 677-686.	2.8	47
62	Junctin and triadin each activate skeletal ryanodine receptors but junctin alone mediates functional interactions with calsequestrin. International Journal of Biochemistry and Cell Biology, 2009, 41, 2214-2224.	2.8	48
63	Dynamic regulation of ryanodine receptor type 1 (RyR1) channel activity by Homer 1. Cell Calcium, 2008, 43, 307-314.	2.4	29
64	Phosphorylation of skeletal muscle calsequestrin enhances its Ca2+ binding capacity and promotes its association with junctin. Cell Calcium, 2008, 44, 363-373.	2.4	34
65	Muscle-specific GSTM2-2 on the luminal side of the sarcoplasmic reticulum modifies RyR ion channel activity. International Journal of Biochemistry and Cell Biology, 2008, 40, 1616-1628.	2.8	11
66	Redox Potential and the Response of Cardiac Ryanodine Receptors to CLIC-2, a Member of the Glutathione S-Transferase Structural Family. Antioxidants and Redox Signaling, 2008, 10, 1675-1686.	5.4	32
67	Triadin Binding to the C-Terminal Luminal Loop of the Ryanodine Receptor is Important for Skeletal Muscle Excitationâ€“Contraction Coupling. Journal of General Physiology, 2007, 130, 365-378.	1.9	70
68	A variably spliced region in the type 1 ryanodine receptor may participate in an inter-domain interaction. Biochemical Journal, 2007, 401, 317-324.	3.7	25
69	Malignant hyperthermia mutation sites in the Leu2442â€“Pro2477 (DP4) region of RyR1 (ryanodine) Tj ETQq1 1 0.784314 rgBT /Overlo 401, 333-339.	3.7	21
70	Structure of the Janus Protein Human CLIC2. Journal of Molecular Biology, 2007, 374, 719-731.	4.2	64
71	The Mu class glutathione transferase is abundant in striated muscle and is an isoform-specific regulator of ryanodine receptor calcium channels. Cell Calcium, 2007, 41, 429-440.	2.4	25
72	Agonists and antagonists of the cardiac ryanodine receptor: Potential therapeutic agents?. , 2007, 113, 247-263.		20

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73	Triadin Binding to the C-Terminal Luminal Loop of the Ryanodine Receptor is Important for Skeletal Muscle Excitationâ€“Contraction Coupling. Journal of Cell Biology, 2007, 179, i2-i2.	5.2	1
74	The Conformation of Calsequestrin Determines Its Ability to Regulate Skeletal Ryanodine Receptors. Biophysical Journal, 2006, 91, 1288-1301.	0.5	51
75	Effects of an Î±-helical ryanodine receptor C-terminal tail peptide on ryanodine receptor activity: Modulation by Homer. International Journal of Biochemistry and Cell Biology, 2006, 38, 1700-1715.	2.8	13
76	EXCITATIONâ€“CONTRACTION COUPLING FROM THE 1950s INTO THE NEW MILLENNIUM. Clinical and Experimental Pharmacology and Physiology, 2006, 33, 763-772.	1.9	122
77	STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF INTERACTIONS BETWEEN THE DIHYDROPYRIDINE RECEPTOR II?III LOOP AND THE RYANODINE RECEPTOR. Clinical and Experimental Pharmacology and Physiology, 2006, 33, 1114-1117.	1.9	15
78	Novel regulators of RyR Ca2+ release channels: insight into molecular changes in genetically-linked myopathies. Journal of Muscle Research and Cell Motility, 2006, 27, 351-365.	2.0	24
79	The Cysteine-rich Secretory Protein Domain of Tpx-1 Is Related to Ion Channel Toxins and Regulates Ryanodine Receptor Ca2+ Signaling. Journal of Biological Chemistry, 2006, 281, 4156-4163.	3.4	118
80	Regulation of skeletal ryanodine receptors by dihydropyridine receptor IIâ€“III loop C-region peptides: relief of Mg2+ inhibition. Biochemical Journal, 2005, 387, 429-436.	3.7	16
81	The recombinant dihydropyridine receptor IIâ€“III loop and partly structured â€˜Câ€™ region peptides modify cardiac ryanodine receptor activity. Biochemical Journal, 2005, 385, 803-813.	3.7	17
82	A recently identified member of the glutathione transferase structural family modifies cardiac RyR2 substate activity, coupled gating and activation by Ca2+ and ATP. Biochemical Journal, 2005, 390, 333-343.	3.7	56
83	Functional implications of modifying RyR-activating peptides for membrane permeability. British Journal of Pharmacology, 2005, 144, 743-754.	5.4	13
84	Letter to the Editor: 1H, 13C and 15N assignments for the IIâ€“III loop region of the skeletal dyhydropyridine receptor. Journal of Biomolecular NMR, 2005, 32, 89-90.	2.8	4
85	Role of some unconserved residues in the "C" region of the skeletal DHPR II-III loop. Frontiers in Bioscience - Landmark, 2005, 10, 1368.	3.0	8
86	Altered mRNA splicing of the skeletal muscle ryanodine receptor and sarcoplasmic/endoplasmic reticulum Ca2+-ATPase in myotonic dystrophy type 1. Human Molecular Genetics, 2005, 14, 2189-2200.	2.9	247
87	Regulation of Ryanodine Receptors by Calsequestrin: Effect of High Luminal Ca2+ and Phosphorylation. Biophysical Journal, 2005, 88, 3444-3454.	0.5	100
88	Caffeine sensitivity of native RyR channels from normal and malignant hyperthermic pigs: effects of a DHPR IIâ€“III loop peptide. American Journal of Physiology - Cell Physiology, 2004, 286, C821-C830.	4.6	10
89	Activating the ryanodine receptor with dihydropyridine receptor II-III loop segments: size and charge do matter. Frontiers in Bioscience - Landmark, 2004, 9, 2860.	3.0	7
90	Multiple Actions of Imperatoxin A on Ryanodine Receptors. Journal of Biological Chemistry, 2004, 279, 11853-11862.	3.4	34

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91	Calsequestrin and the calcium release channel of skeletal and cardiac muscle. Progress in Biophysics and Molecular Biology, 2004, 85, 33-69.	2.9	240
92	CLIC-2 modulates cardiac ryanodine receptor Ca2+ release channels. International Journal of Biochemistry and Cell Biology, 2004, 36, 1599-1612.	2.8	74
93	Peptide fragments of the dihydropyridine receptor can modulate cardiac ryanodine receptor channel activity and sarcoplasmic reticulum Ca2+ release. Biochemical Journal, 2004, 379, 161-172.	3.7	16
94	What we don't know about the structure of ryanodine receptor calcium release channels. Clinical and Experimental Pharmacology and Physiology, 2003, 30, 713-723.	1.9	41
95	The three-dimensional structural surface of two beta-sheet scorpion toxins mimics that of an alpha-helical dihydropyridine receptor segment. Biochemical Journal, 2003, 370, 517-527.	3.7	28
96	The random-coil â€˜Câ€™ fragment of the dihydropyridine receptor II-III loop can activate or inhibit native skeletal ryanodine receptors. Biochemical Journal, 2003, 372, 305-316.	3.7	42
97	A Ca2+-activated anion channel in the sarcoplasmic reticulum of skeletal muscle. Current Topics in Membranes, 2002, , 59-80.	0.9	0
98	Calsequestrin Is an Inhibitor of Skeletal Muscle Ryanodine Receptor Calcium Release Channels. Biophysical Journal, 2002, 82, 310-320.	0.5	145
99	Interactions between dihydropyridine receptors and ryanodine receptors in striated muscle. Progress in Biophysics and Molecular Biology, 2002, 79, 45-75.	2.9	73
100	Characteristics of Irreversible ATP Activation Suggest that Native Skeletal Ryanodine Receptors Can Be Phosphorylated via an Endogenous CaMKII. Biophysical Journal, 2001, 81, 3240-3252.	0.5	47
101	Arg615Cys Substitution in Pig Skeletal Ryanodine Receptors Increases Activation of Single Channels by a Segment of the Skeletal DHPR II-III Loop. Biophysical Journal, 2001, 80, 1769-1782.	0.5	14
102	Structural Determinants for Activation or Inhibition of Ryanodine Receptors by Basic Residues in the Dihydropyridine Receptor II-III Loop. Biophysical Journal, 2001, 80, 2715-2726.	0.5	30
103	Phosphate ion channels in sarcoplasmic reticulum of rabbit skeletal muscle. Journal of Physiology, 2001, 535, 715-728.	2.9	30
104	The Glutathione Transferase Structural Family Includes a Nuclear Chloride Channel and a Ryanodine Receptor Calcium Release Channel Modulator. Journal of Biological Chemistry, 2001, 276, 3319-3323.	3.4	248
105	Nitric Oxide Activates or Inhibits Skeletal Muscle Ryanodine Receptors Depending on Its Concentration, Membrane Potential and Ligand Binding. Journal of Membrane Biology, 2000, 173, 227.	2.1	85
106	Cadmium withdrawal contractures in rat soleus muscle fibres. Pflugers Archiv European Journal of Physiology, 2000, 440, 68-74.	2.8	1
107	A Structural Requirement for Activation of Skeletal Ryanodine Receptors by Peptides of the Dihydropyridine Receptor II-III Loop. Journal of Biological Chemistry, 2000, 275, 11631-11637.	3.4	46
108	How Many Cysteine Residues Regulate Ryanodine Receptor Channel Activity?. Antioxidants and Redox Signaling, 2000, 2, 27-34.	5.4	50

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109	Delayed contractures induced by external cadmium ions in rat soleus muscle fibres. Pflugers Archiv European Journal of Physiology, 2000, 439, 263-270.	2.8	1
110	Cadmium withdrawal contractures in rat soleus muscle fibres. Pflugers Archiv European Journal of Physiology, 2000, 440, 68.	2.8	0
111	Effects of ivermectin and midecamycin on ryanodine receptors and the Ca2+-ATPase in sarcoplasmic reticulum of rabbit and rat skeletal muscle. Journal of Physiology, 1999, 514, 313-326.	2.9	26
112	Cardiac Ryanodine Receptor Activity is Altered by Oxidizing Reagents in Either the Luminal or Cytoplasmic Solution. Journal of Membrane Biology, 1999, 167, 205-214.	2.1	36
113	Effects of external cadmium ions on excitation-contraction coupling in rat soleus fibres. Pflugers Archiv European Journal of Physiology, 1999, 437, 197-203.	2.8	8
114	Activation and Inhibition of Skeletal RyR Channels by a Part of the Skeletal DHPR II-III Loop: Effects of DHPR Ser 687 and FKBP12. Biophysical Journal, 1999, 77, 189-203.	0.5	82
115	Oxidation and Reduction of Pig Skeletal Muscle Ryanodine Receptors. Biophysical Journal, 1999, 77, 3010-3022.	0.5	31
116	Activation of the Cardiac Ryanodine Receptor by Sulfhydryl Oxidation is Modified by Mg 2+ and ATP. Journal of Membrane Biology, 1998, 163, 9-18.	2.1	53
117	Reduced inhibitory effect of Mg2+ on ryanodine receptor-Ca2+ release channels in malignant hyperthermia. Biophysical Journal, 1997, 73, 1913-1924.	0.5	92
118	Subconductance states in single-channel activity of skeletal muscle ryanodine receptors after removal of FKBP12. Biophysical Journal, 1997, 72, 146-162.	0.5	138
119	Ryanodine receptors from rabbit skeletal muscle are reversibly activated by rapamycin. Neuroscience Letters, 1997, 225, 81-84.	2.1	33
120	Magnesium Inhibition of Ryanodine-Receptor Calcium Channels: Evidence for Two Independent Mechanisms. Journal of Membrane Biology, 1997, 156, 213-229.	2.1	174
121	Inositol Polyphosphates Modify the Kinetics of a Small Chloride Channel in Skeletal Muscle Sarcoplasmic Reticulum. Journal of Membrane Biology, 1997, 157, 147-158.	2.1	19
122	Characteristics of two types of chloride channel in sarcoplasmic reticulum vesicles from rabbit skeletal muscle. Biophysical Journal, 1996, 70, 202-221.	0.5	64
123	Ion channels in the sarcoplasmic reticulum of striated muscle. Acta Physiologica Scandinavica, 1996, 156, 375-385.	2.2	30
124	Depolarization accelerates the decay of K+ contractures in rat skeletal muscle fibers. , 1996, 19, 1025-1036.		0
125	High-frequency fatigue in rat skeletal muscle: Role of extracellular ion concentrations. Muscle and Nerve, 1995, 18, 890-898.	2.2	62
126	Porin-type1 proteins in sarcoplasmic reticulum and plasmalemma of striated muscle fibres. Journal of Muscle Research and Cell Motility, 1995, 16, 595-610.	2.0	37

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127	Cytoplasmic Ca2+ inhibits the ryanodine receptor from cardiac muscle. Journal of Membrane Biology, 1995, 147, 7-22.	2.1	155
128	Effects of membrane potential on just detectable movement in rat skeletal muscle: Effects of denervation. Journal of Membrane Biology, 1994, 138, 197-207.	2.1	2
129	Single channel activity of the ryanodine receptor calcium release channel is modulated by FK-506. FEBS Letters, 1994, 352, 369-374.	2.8	134
130	Subcellular distribution of ryanodine receptor-like and calcium ATPase-like immunoreactivity in brainstem and cerebellar neurones of rat and guinea pig. Neuroscience Letters, 1994, 166, 143-148.	2.1	6
131	?-Adrenergic potentiation of E-C coupling increases force in rat skeletal muscle. Muscle and Nerve, 1993, 16, 1317-1325.	2.2	58
132	Do independent processes control the activation and inactivation of potassium contracture tension in rat skeletal muscle?. Journal of Membrane Biology, 1993, 135, 245-52.	2.1	3
133	The effects of Î²â€adrenoceptor activation on contraction in isolated fastâ€•and slowâ€twitch skeletal muscle fibres of the rat. British Journal of Pharmacology, 1993, 110, 1133-1141.	5.4	72
134	Immunogold labeling of calcium ATPase in sarcoplasmic reticulum of skeletal muscle: use of 1-nm, 5-nm, and 10-nm gold.. Journal of Histochemistry and Cytochemistry, 1993, 41, 1459-1466.	2.5	24
135	Actions of perchlorate ions on rat soleus muscle fibres.. Journal of Physiology, 1992, 448, 99-119.	2.9	13
136	The voltage-activation of contraction in skeletal muscle. Progress in Biophysics and Molecular Biology, 1992, 57, 181-223.	2.9	61
137	Ultrastructure of sarcoballs on the surface of skinned amphibian skeletal muscle fibres. Journal of Muscle Research and Cell Motility, 1992, 13, 640-653.	2.0	10
138	Calcium ATPase in the sarcoplasmic reticulum of muscle from normal and malignant hyperthermia susceptible pigs. Neuroscience Letters, 1991, 131, 187-192.	2.1	1
139	Activation and inactivation of excitationâ€contraction coupling in rat soleus muscle.. Journal of Physiology, 1991, 439, 605-626.	2.9	24
140	The rate of tetanic relaxation is correlated with the density of calcium ATPase in the terminal cisternae of thyrotoxic skeletal muscle. Pflugers Archiv European Journal of Physiology, 1990, 415, 433-439.	2.8	22
141	Noninactivating tension in rat skeletal muscle. Effects of thyroid hormone.. Journal of General Physiology, 1989, 94, 183-203.	1.9	10
142	Feet, bridges, and pillars in triad junctions of mammalian skeletal muscle: Their possible relationship to calcium buffers in terminal cisternae and T-tubules and to excitation-contraction coupling. Journal of Membrane Biology, 1989, 109, 73-83.	2.1	21
143	Effects of cobalt, magnesium, and cadmium on contraction of rat soleus muscle. Biophysical Journal, 1989, 56, 1-14.	0.5	17
144	Paralysis of skeletal muscle by butanedione monoxime, a chemical phosphatase. Pflugers Archiv European Journal of Physiology, 1988, 411, 76-79.	2.8	252

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145	Internal citrate ions reduce the membrane potential for contraction threshold in mammalian skeletal muscle fibers. Biophysical Journal, 1988, 53, 609-616.	0.5	15
146	The effect of diazepam on potassium contractures, contraction threshold, and resting tension in rat skeletal muscles. Canadian Journal of Physiology and Pharmacology, 1988, 66, 573-579.	1.4	2
147	Inactivation of excitation-contraction coupling in rat extensor digitorum longus and soleus muscles.. Journal of General Physiology, 1988, 91, 737-757.	1.9	58
148	Effects of extracellular calcium concentration and dihydropyridines on contraction in mammalian skeletal muscle.. Journal of Physiology, 1988, 399, 63-80.	2.9	77
149	Differential effects of diazepam on rat hindlimb muscles. Canadian Journal of Physiology and Pharmacology, 1987, 65, 1856-1863.	1.4	4
150	Diazepam reveals different rate-limiting processes in rat skeletal muscle contraction. Canadian Journal of Physiology and Pharmacology, 1987, 65, 272-273.	1.4	9
151	Distribution of calcium ATPase in the sarcoplasmic reticulum of fast- and slow-twitch muscles determined with monoclonal antibodies. Journal of Membrane Biology, 1987, 99, 79-92.	2.1	42
152	Potassium contractures and asymmetric charge movement in extensor digitorum longus and soleus muscles from thyrotoxic rats. Journal of Muscle Research and Cell Motility, 1987, 8, 289-296.	2.0	8
153	A freeze-fracture study of extensor digitorum longus and soleus muscle fibers from thyrotoxic rats. Journal of Structural Biology, 1986, 94, 121-130.	0.8	5
154	Differential effects of thyroid hormone on T-tubules and terminal cisternae in rat muscles: An electrophysiological and morphometric analysis. Journal of Muscle Research and Cell Motility, 1986, 7, 225-236.	2.0	34
155	Excitationâ€contraction coupling and charge movement in denervated rat extensor digitorum longus and soleus muscles.. Journal of Physiology, 1985, 358, 75-89.	2.9	92
156	Excitation-contraction coupling and contractile properties in denervated rat EDL and soleus muscles. Journal of Muscle Research and Cell Motility, 1985, 6, 207-225.	2.0	28
157	Slow potential changes in mammalian muscle fibers during prolonged hyperpolarization: Transport number effects and chloride depletion. Journal of Membrane Biology, 1984, 78, 235-248.	2.1	7
158	The membrane capacity of mammalian skeletal muscle fibres. Journal of Muscle Research and Cell Motility, 1984, 5, 315-332.	2.0	37
159	Heterogeneity of T-tubule geometry in vertebrate skeletal muscle fibres. Journal of Muscle Research and Cell Motility, 1984, 5, 333-347.	2.0	54
160	Indentations in the terminal cisternae of denervated rat EDL and soleus muscle fibers. Journal of Ultrastructure Research, 1984, 88, 30-43.	1.1	15
161	Indentations in the terminal cisternae of amphibian and mammalian skeletal muscle fibers. Journal of Ultrastructure Research, 1983, 84, 34-49.	1.1	21
162	Indentations in the terminal cisternae of slow- and fast-twitch muscle fibers from normal and paraplegic rats. Journal of Ultrastructure Research, 1983, 84, 50-59.	1.1	12

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