

A Russell Tupling

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4260933/publications.pdf>

Version: 2024-02-01

72
papers

2,204
citations

236612

25
h-index

233125

45
g-index

72
all docs

72
docs citations

72
times ranked

3180
citing authors

#	ARTICLE	IF	CITATIONS
1	Isoform-specific Roles of Prolyl Hydroxylases in the Regulation of Pancreatic β -Cell Function. <i>Endocrinology</i> , 2022, 163, .	1.4	1
2	Role of SERCA and sarcolipin in adaptive muscle remodeling. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C382-C394.	2.1	22
3	The sarcoplasmic reticulum and SERCA: a nexus for muscular adaptive thermogenesis. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 1-10.	0.9	28
4	Dietary nitrate does not alter cardiac function, calcium handling proteins, or SERCA activity in the left ventricle of healthy rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 1049-1053.	0.9	0
5	Phospholamban and sarcolipin prevent thermal inactivation of sarco(endo)plasmic reticulum Ca^{2+} -ATPases. <i>Biochemical Journal</i> , 2020, 477, 4281-4294.	1.7	6
6	A Single Session of Aerobic Exercise Mediates Plasticity-Related Phosphorylation in both the Rat Motor Cortex and Hippocampus. <i>Neuroscience</i> , 2019, 412, 160-174.	1.1	12
7	Neurogranin is expressed in mammalian skeletal muscle and inhibits calcineurin signaling and myoblast fusion. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C1025-C1033.	2.1	13
8	The Loss of ARNT/HIF1 β in Male Pancreatic β -Cells Is Protective Against High-Fat Diet-Induced Diabetes. <i>Endocrinology</i> , 2019, 160, 2825-2836.	1.4	10
9	Phospholamban deficiency does not alter skeletal muscle SERCA pumping efficiency or predispose mice to diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E432-E442.	1.8	18
10	Caffeine attenuates contraction-induced diminutions of the intracellular calcium transient in mouse lumbrical muscle ex vivo. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 429-435.	0.7	2
11	Lpaat1/Agpat4 deficiency impairs maximal force contractility in soleus and alters fibre type in extensor digitorum longus muscle. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 700-711.	1.2	13
12	The Pleckstrin homology like domain family member, TDAG51, is temporally regulated during skeletal muscle regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 499-505.	1.0	2
13	The effect of ARC ablation on skeletal muscle morphology, function, and apoptotic signaling during aging. <i>Experimental Gerontology</i> , 2018, 101, 69-79.	1.2	1
14	Elevated whole muscle phosphatidylcholine: phosphatidylethanolamine ratio coincides with reduced SERCA activity in murine overloaded plantaris muscles. <i>Lipids in Health and Disease</i> , 2018, 17, 47.	1.2	10
15	Genetic deletion of muscle RANK or selective inhibition of RANKL is not as effective as full-length OPG-fc in mitigating muscular dystrophy. <i>Acta Neuropathologica Communications</i> , 2018, 6, 31.	2.4	39
16	Sarcolipin deletion in mdx mice impairs calcineurin signalling and worsens dystrophic pathology. <i>Human Molecular Genetics</i> , 2018, 27, 4094-4102.	1.4	32
17	Saturation of SERCA's lipid annulus may protect against its thermal inactivation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 456-460.	1.0	8
18	Neuromuscular manifestations of work-related myalgia in women specific to extensor carpi radialis brevis. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 404-419.	0.7	1

#	ARTICLE	IF	CITATIONS
19	Sarcolipin expression is not required for the mitochondrial enzymatic response to physical activity or diet. <i>Journal of Applied Physiology</i> , 2017, 122, 1276-1283.	1.2	1
20	Contraction-induced enhancement of relaxation during high force contractions of mouse lumbrical muscle at 37°C. <i>Journal of Experimental Biology</i> , 2017, 220, 2870-2873.	0.8	3
21	Effects of sarcolipin deletion on skeletal muscle adaptive responses to functional overload and unload. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C154-C161.	2.1	34
22	Effect of acute and chronic autophagy deficiency on skeletal muscle apoptotic signaling, morphology, and function. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 708-718.	1.9	32
23	Agpat4/Lpaat1 deficiency highlights the molecular heterogeneity of epididymal and perirenal white adipose depots. <i>Journal of Lipid Research</i> , 2017, 58, 2037-2050.	2.0	20
24	Prior Endurance Training Enhances Beta-Adrenergic Signaling in Epididymal Adipose from Mice Fed a High-Fat Diet. <i>Obesity</i> , 2017, 25, 1699-1706.	1.5	6
25	Fattening the role of Ca ²⁺ cycling in adaptive thermogenesis. <i>Nature Medicine</i> , 2017, 23, 1403-1404.	15.2	3
26	Sarcolipin deletion exacerbates soleus muscle atrophy and weakness in phospholamban overexpressing mice. <i>PLoS ONE</i> , 2017, 12, e0173708.	1.1	18
27	Can inorganic phosphate explain sag during unfused tetanic contractions of skeletal muscle?. <i>Physiological Reports</i> , 2016, 4, e13043.	0.7	13
28	Muscle RANK is a key regulator of Ca ²⁺ storage, SERCA activity, and function of fast-twitch skeletal muscles. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C663-C672.	2.1	51
29	Sarcolipin knockout mice fed a high-fat diet exhibit altered indices of adipose tissue inflammation and remodeling. <i>Obesity</i> , 2016, 24, 1499-1505.	1.5	18
30	The effects of buthionine sulfoximine treatment on diaphragm contractility and SERCA pump function in adult and middle aged rats. <i>Physiological Reports</i> , 2015, 3, e12547.	0.7	8
31	Prevention of hyperphagia prevents ovariectomy-induced triacylglycerol accumulation in liver, but not plasma. <i>Nutrition Research</i> , 2015, 35, 1085-1094.	1.3	7
32	Persistence of diet-induced obesity despite access to voluntary activity in mice lacking sarcolipin. <i>Physiological Reports</i> , 2015, 3, e12549.	0.7	14
33	Functional, morphological, and apoptotic alterations in skeletal muscle of ARC deficient mice. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 310-326.	2.2	19
34	DJ-1 links muscle ROS production with metabolic reprogramming and systemic energy homeostasis in mice. <i>Nature Communications</i> , 2015, 6, 7415.	5.8	74
35	Dietary docosahexaenoic acid supplementation reduces SERCA Ca ²⁺ transport efficiency in rat skeletal muscle. <i>Chemistry and Physics of Lipids</i> , 2015, 187, 56-61.	1.5	22
36	Phospholamban overexpression in mice causes a centronuclear myopathy-like phenotype. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 999-1009.	1.2	29

#	ARTICLE	IF	CITATIONS
37	Cellular properties of extensor carpi radialis brevis and trapezius muscles in healthy males and females. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 953-966.	0.7	0
38	Deletion of ARNT/HIF1 β in pancreatic beta cells does not impair glucose homeostasis in mice, but is associated with defective glucose sensing ex vivo. <i>Diabetologia</i> , 2015, 58, 2832-2842.	2.9	9
39	Sarcoplasmic Reticulum Phospholipid Fatty Acid Composition and Sarcolipin Content in Rat Skeletal Muscle. <i>Journal of Membrane Biology</i> , 2015, 248, 1089-1096.	1.0	8
40	Juxtaposition of the changes in intracellular calcium and force during staircase potentiation at 30 and 37 \AA C. <i>Journal of General Physiology</i> , 2014, 144, 561-570.	0.9	12
41	Preliminary observations on high energy phosphates and metabolic pathway and transporter potentials in extensor carpi radialis brevis and trapezius muscles of women with work-related myalgia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 953-960.	0.7	3
42	A pilot study to determine whether differences exist in histochemical properties between the trapezius and extensor carpi radialis brevis muscles in women with work-related myalgia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 315-323.	0.7	4
43	Excitation-contraction coupling properties in women with work-related myalgia: a preliminary study. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 498-506.	0.7	7
44	Sarcolipin Provides a Novel Muscle-Based Mechanism for Adaptive Thermogenesis. <i>Exercise and Sport Sciences Reviews</i> , 2014, 42, 136-142.	1.6	35
45	Sarcolipin trumps β -adrenergic receptor signaling as the favored mechanism for muscle-based diet-induced thermogenesis. <i>FASEB Journal</i> , 2013, 27, 3871-3878.	0.2	50
46	Ablation of sarcolipin decreases the energy requirements for Ca^{2+} transport by sarco(endo)plasmic reticulum Ca^{2+} -ATPases in resting skeletal muscle. <i>FEBS Letters</i> , 2013, 587, 1687-1692.	1.3	55
47	The role of estrogen receptor- β in estrogen-mediated regulation of basal and exercise-induced Hsp70 and Hsp27 expression in rat soleus. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 823-829.	0.7	12
48	Potentiation in mouse lumbrical muscle without myosin light chain phosphorylation: Is resting calcium responsible?. <i>Journal of General Physiology</i> , 2013, 141, 297-308.	0.9	41
49	Co-Expression of SERCA Isoforms, Phospholamban and Sarcolipin in Human Skeletal Muscle Fibers. <i>PLoS ONE</i> , 2013, 8, e84304.	1.1	70
50	ATP Consumption by Sarcoplasmic Reticulum Ca^{2+} Pumps Accounts for 40-50% of Resting Metabolic Rate in Mouse Fast and Slow Twitch Skeletal Muscle. <i>PLoS ONE</i> , 2013, 8, e68924.	1.1	91
51	Sarcolipin is a newly identified regulator of muscle-based thermogenesis in mammals. <i>Nature Medicine</i> , 2012, 18, 1575-1579.	15.2	441
52	In Vivo, Fatty Acid Translocase (CD36) Critically Regulates Skeletal Muscle Fuel Selection, Exercise Performance, and Training-induced Adaptation of Fatty Acid Oxidation. <i>Journal of Biological Chemistry</i> , 2012, 287, 23502-23516.	1.6	89
53	Abnormalities of Calcium Handling Proteins in Skeletal Muscle Mirror Those of the Heart in Humans With Heart Failure: A Shared Mechanism?. <i>Journal of Cardiac Failure</i> , 2012, 18, 724-733.	0.7	27
54	Cardiac calcium pump inactivation and nitrosylation in senescent rat myocardium are not attenuated by long-term treadmill training. <i>Experimental Gerontology</i> , 2011, 46, 803-810.	1.2	15

#	ARTICLE	IF	CITATIONS
55	Enhanced Ca ²⁺ transport and muscle relaxation in skeletal muscle from sarcolipin-null mice. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C841-C849.	2.1	61
56	Quadriceps metabolism during constant workrate cycling exercise in chronic obstructive pulmonary disease. <i>Journal of Applied Physiology</i> , 2011, 110, 116-124.	1.2	39
57	Initiating treadmill training in late middle age offers modest adaptations in Ca ²⁺ handling but enhances oxidative damage in senescent rat skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1269-R1278.	0.9	27
58	Prolonged moderate-intensity aerobic exercise does not alter apoptotic signaling and DNA fragmentation in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E534-E547.	1.8	22
59	Characterization of sarco(endo)plasmic reticulum Ca ²⁺ ATPase (SERCA) expression and function in Zucker falfa obese rat skeletal muscle. <i>FASEB Journal</i> , 2010, 24, 1048.12.	0.2	0
60	Ca ²⁺ dysregulation in <i>Ryr1</i> ^{L4895T/wt} mice causes congenital myopathy with progressive formation of minicores, cores, and nemaline rods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21813-21818.	3.3	67
61	The decay phase of Ca ²⁺ transients in skeletal muscle: regulation and physiology This paper is one of a selection of papers published in this Special Issue, entitled 14th International Biochemistry of Exercise Conference "Muscles as Molecular and Metabolic Machines, and has undergone the journal's usual peer review process. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009, 34, 373-376.	0.9	23
62	Excitation-Contraction Coupling. , 2009, , 1479-1483.		3
63	Interaction between Hsp70 and the SR Ca ²⁺ pump: a potential mechanism for cytoprotection in heart and skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008, 33, 1023-1032.	0.9	30
64	Protection of heart and skeletal muscle by heat shock proteins. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008, 33, 1021-1022.	0.9	4
65	Effects of Consecutive Days of Exercise and Recovery on Muscle Mechanical Function. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 316-325.	0.2	11
66	Effects of acute isometric knee extension exercise at 40% MVC on muscle mechanical properties and Ca ²⁺ pump function. <i>FASEB Journal</i> , 2008, 22, 961.10.	0.2	0
67	Improvement of Ca ²⁺ Transport and Muscle Relaxation in Skeletal Muscle From Sarcolipin Null Mice. <i>FASEB Journal</i> , 2008, 22, 962.34.	0.2	0
68	Sarcolipin Ablation Increases Ca ²⁺ Pump Efficiency in Mouse Skeletal Muscle. <i>FASEB Journal</i> , 2008, 22, 1157.5.	0.2	1
69	HSP70 Binds to the Fast-twitch Skeletal Muscle Sarco(endo)plasmic Reticulum Ca ²⁺ -ATPase (SERCA1a) and Prevents Thermal Inactivation. <i>Journal of Biological Chemistry</i> , 2004, 279, 52382-52389.	1.6	69
70	The Sarcoplasmic Reticulum in Muscle Fatigue and Disease: Role of the Sarco(endo)plasmic Reticulum Ca ²⁺ -ATPase. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2004, 29, 308-329.	1.7	65
71	The Regulation of SERCA-type Pumps by Phospholamban and Sarcolipin. <i>Annals of the New York Academy of Sciences</i> , 2003, 986, 472-480.	1.8	140
72	Sarcolipin Overexpression in Rat Slow Twitch Muscle Inhibits Sarcoplasmic Reticulum Ca ²⁺ Uptake and Impairs Contractile Function. <i>Journal of Biological Chemistry</i> , 2002, 277, 44740-44746.	1.6	83