

Val Andrew Fajardo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

620
citations

15
h-index

22
g-index

55
ext. papers

865
ext. citations

4.3
avg, IF

3.91
L-index

#	Paper	IF	Citations
49	Influence of phospholipid species on membrane fluidity: a meta-analysis for a novel phospholipid fluidity index. <i>Journal of Membrane Biology</i> , 2011 , 244, 97-103	2.3	50
48	Co-expression of SERCA isoforms, phospholamban and sarcolipin in human skeletal muscle fibers. <i>PLoS ONE</i> , 2013 , 8, e84304	3.7	49
47	Sarcolipin trumps β adrenergic receptor signaling as the favored mechanism for muscle-based diet-induced thermogenesis. <i>FASEB Journal</i> , 2013 , 27, 3871-8	0.9	40
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, 1687-92	3.8	39
45	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, C663-72	5.4	31
44	Sarcolipin provides a novel muscle-based mechanism for adaptive thermogenesis. <i>Exercise and Sport Sciences Reviews</i> , 2014 , 42, 136-42	6.7	30
43	Examining the Relationship between Trace Lithium in Drinking Water and the Rising Rates of Age-Adjusted Alzheimer's Disease Mortality in Texas. <i>Journal of Alzheimer's Disease</i> , 2018 , 61, 425-434	4.3	27
42	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	5.4	24
41	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	7.3	23
40	Phospholamban overexpression in mice causes a centronuclear myopathy-like phenotype. <i>DMM Disease Models and Mechanisms</i> , 2015 , 8, 999-1009	4.1	21
39	Sarcolipin deletion in mdx mice impairs calcineurin signalling and worsens dystrophic pathology. <i>Human Molecular Genetics</i> , 2018 , 27, 4094-4102	5.6	20
38	The Mitochondrial Transacylase, Tafazzin, Regulates for AML Stemness by Modulating Intracellular Levels of Phospholipids. <i>Cell Stem Cell</i> , 2019 , 24, 621-636.e16	18	19
37	Cardiolipin content, linoleic acid composition, and tafazzin expression in response to skeletal muscle overload and unload stimuli. <i>Scientific Reports</i> , 2017 , 7, 2060	4.9	19
36	SERCA2a tyrosine nitration coincides with impairments in maximal SERCA activity in left ventricles from tafazzin-deficient mice. <i>Physiological Reports</i> , 2019 , 7, e14215	2.6	18
35	Sarcolipin deletion exacerbates soleus muscle atrophy and weakness in phospholamban overexpressing mice. <i>PLoS ONE</i> , 2017 , 12, e0173708	3.7	16
34	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	3.7	15
33	A Low-Therapeutic Dose of Lithium Inhibits GSK3 and Enhances Myoblast Fusion in C2C12 Cells. <i>Cells</i> , 2019 , 8,	7.9	13

32	Diaphragm assessment in mice overexpressing phospholamban in slow-twitch type I muscle fibers. <i>Brain and Behavior</i> , 2016 , 6, e00470	3.4	13
31	Cardiolipin linoleic acid content and mitochondrial cytochrome c oxidase activity are associated in rat skeletal muscle. <i>Chemistry and Physics of Lipids</i> , 2015 , 187, 50-5	3.7	12
30	Mitochondrial cristae density: a dynamic entity that is critical for energy production and metabolic power in skeletal muscle. <i>Journal of Physiology</i> , 2017 , 595, 2779-2780	3.9	11
29	Musculoskeletal structure and function in response to the combined effect of an obesogenic diet and age in male C57BL/6J mice. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700137	5.9	10
28	Trace lithium in Texas tap water is negatively associated with all-cause mortality and premature death. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 412-414	3	10
27	Low dose lithium supplementation activates Wnt/βcatenin signalling and increases bone OPG/RANKL ratio in mice. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 511, 394-397	3.4	9
26	Increased Prevalence of Obesity/Type 2 Diabetes and Lower Levels of Lithium in Rural Texas Counties May Explain Greater Alzheimer's Disease Risk. <i>Journal of Alzheimer's Disease</i> , 2018 , 64, 303-308	4.3	8
25	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	6	8
24	Sarcoplasmic Reticulum Phospholipid Fatty Acid Composition and Sarcolipin Content in Rat Skeletal Muscle. <i>Journal of Membrane Biology</i> , 2015 , 248, 1089-96	2.3	7
23	Calmodulin-Binding Proteins in Muscle: A Minireview on Nuclear Receptor Interacting Protein, Neurogranin, and Growth-Associated Protein 43. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
22	Isolation of sarcolemmal plasma membranes by mechanically skinning rat skeletal muscle fibers for phospholipid analysis. <i>Lipids</i> , 2013 , 48, 421-30	1.6	7
21	Saturation of SERCA's lipid annulus may protect against its thermal inactivation. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 484, 456-460	3.4	6
20	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	5.4	6
19	Low-dose lithium feeding increases the SERCA2a-to-phospholamban ratio, improving SERCA function in murine left ventricles. <i>Experimental Physiology</i> , 2020 , 105, 666-675	2.4	6
18	GSK3 inhibition with low dose lithium supplementation augments murine muscle fatigue resistance and specific force production. <i>Physiological Reports</i> , 2020 , 8, e14517	2.6	6
17	Effects of Post-Exercise Whey Protein Consumption on Recovery Indices in Adolescent Swimmers. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	5
16	Lpaat4/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	5	5
15	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	4.4	5

14	Neuronatin regulates whole-body metabolism: is thermogenesis involved?. <i>FASEB BioAdvances</i> , 2020 , 2, 579-586	2.8	5
13	The role of SERCA and sarcolipin in adaptive muscle remodeling.. <i>American Journal of Physiology - Cell Physiology</i> , 2022 ,	5.4	4
12	Neuronatin promotes SERCA uncoupling and its expression is altered in skeletal muscles of high-fat diet-fed mice. <i>FEBS Letters</i> , 2021 , 595, 2756-2767	3.8	3
11	The role of phospholamban and GSK3 in regulating rodent cardiac SERCA function. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 319, C694-C699	5.4	3
10	Influence of longitudinal radiation exposure from microcomputed tomography scanning on skeletal muscle function and metabolic activity in female CD-1 mice. <i>Physiological Reports</i> , 2017 , 5, e13338	2.6	2
9	TAK1 signaling activity links the mast cell cytokine response and degranulation in allergic inflammation. <i>Journal of Leukocyte Biology</i> , 2020 , 107, 649-661	6.5	2
8	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	3.7	1
7	Characterization of Alzheimer's disease-like neuropathology in Duchenne's muscular dystrophy using the DBA/2J mdx mouse model. <i>FEBS Open Bio</i> , 2021 , 12, 154	2.7	1
6	Characterizing SERCA Function in Murine Skeletal Muscles after 35-37 Days of Spaceflight. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
5	Tafazzin Modulates Allergen-Induced Mast Cell Inflammatory Mediator Secretion. <i>ImmunoHorizons</i> , 2021 , 5, 182-192	2.7	1
4	Sex- and tissue-dependent creatine uptake in response to different creatine monohydrate doses in male and female Sprague-Dawley rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 1298-1302		1
3	Subcutaneous adipose tissue sclerostin is reduced and Wnt signaling is enhanced following 4-weeks of sprint interval training in young men with obesity.. <i>Physiological Reports</i> , 2022 , 10, e15232	2.6	0
2	Heterozygous SOD2 deletion selectively impairs SERCA function in the soleus of female mice.. <i>Physiological Reports</i> , 2022 , 10, e15285	2.6	0
1	Exploring the Effects of Greek Yogurt Supplementation and Exercise Training on Serum Lithium and Its Relationship With Musculoskeletal Outcomes in Men.. <i>Frontiers in Nutrition</i> , 2021 , 8, 798036	6.2	