

# JosÃ© R Lopez

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

755  
citations

623734

14  
h-index

526287

27  
g-index

39  
all docs

39  
docs citations

39  
times ranked

857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased intraneuronal resting $[Ca^{2+}]_i$ in adult Alzheimer's disease mice. <i>Journal of Neurochemistry</i> , 2008, 105, 262-271.	3.9	142
2	Nonspecific sarcolemmal cation channels are critical for the pathogenesis of malignant hyperthermia. <i>FASEB Journal</i> , 2013, 27, 991-1000.	0.5	79
3	Altered ROS production, NF- $\kappa$ B activation and interleukin-6 gene expression induced by electrical stimulation in dystrophic mdx skeletal muscle cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1410-1419.	3.8	56
4	Nifedipine Treatment Reduces Resting Calcium Concentration, Oxidative and Apoptotic Gene Expression, and Improves Muscle Function in Dystrophic mdx Mice. <i>PLoS ONE</i> , 2013, 8, e81222.	2.5	49
5	Age-dependent changes in diastolic $Ca^{2+}$ and $Na^{+}$ concentrations in dystrophic cardiomyopathy: Role of $Ca^{2+}$ entry and IP3. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 1054-1059.	2.1	38
6	Enhanced response to caffeine and 4-chloro-m-cresol in malignant hyperthermia-susceptible muscle is related in part to chronically elevated resting $[Ca^{2+}]_i$ . <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C606-C612.	4.6	29
7	$Ca^{2+}$ Influx via the $Na^{+}/Ca^{2+}$ Exchanger Is Enhanced in Malignant Hyperthermia Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2014, 289, 19180-19190.	3.4	26
8	A novel RyR1-selective inhibitor prevents and rescues sudden death in mouse models of malignant hyperthermia and heat stroke. <i>Nature Communications</i> , 2021, 12, 4293.	12.8	26
9	Whole Body Periodic Acceleration Is an Effective Therapy to Ameliorate Muscular Dystrophy in mdx Mice. <i>PLoS ONE</i> , 2014, 9, e106590.	2.5	25
10	Antioxidant Properties of Whole Body Periodic Acceleration (pGz). <i>PLoS ONE</i> , 2015, 10, e0131392.	2.5	24
11	Memory and Learning Deficits Are Associated With $Ca^{2+}$ Dyshomeostasis in Normal Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 224.	3.4	23
12	Dysregulation of Intracellular $Ca^{2+}$ in Dystrophic Cortical and Hippocampal Neurons. <i>Molecular Neurobiology</i> , 2018, 55, 603-618.	4.0	22
13	Increased constitutive nitric oxide production by whole body periodic acceleration ameliorates alterations in cardiomyocytes associated with utrophin/dystrophin deficiency. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 108, 149-157.	1.9	21
14	The Endothelium as a Therapeutic Target in Diabetes: A Narrative Review and Perspective. <i>Frontiers in Physiology</i> , 2021, 12, 638491.	2.8	20
15	Contribution of TRPC Channels to Intracellular $Ca^{2+}$ + Dyshomeostasis in Smooth Muscle From mdx Mice. <i>Frontiers in Physiology</i> , 2020, 11, 126.	2.8	16
16	The Effects of Passive Simulated Jogging on Short-Term Heart Rate Variability in a Heterogeneous Group of Human Subjects. <i>Hindawi Publishing Corporation</i> , 2018, 2018, 1-9.	1.1	14
17	Myoplasmic resting $Ca^{2+}$ regulation by ryanodine receptors is under the control of a novel $Ca^{2+}$ -binding region of the receptor. <i>Biochemical Journal</i> , 2014, 460, 261-271.	3.7	13
18	Senescence Is Associated With Elevated Intracellular Resting $[Ca^{2+}]_i$ in Mice Skeletal Muscle Fibers. An in vivo Study. <i>Frontiers in Physiology</i> , 2020, 11, 601189.	2.8	13

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19	Enhancing Endogenous Nitric Oxide by Whole Body Periodic Acceleration Elicits Neuroprotective Effects in Dystrophic Neurons. <i>Molecular Neurobiology</i> , 2018, 55, 8680-8694.	4.0	12
20	Portable Gentle Jogger Improves Glycemic Indices in Type 2 Diabetic and Healthy Subjects Living at Home: A Pilot Study. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-9.	2.3	12
21	Intracellular $\beta$ -amyloid accumulation leads to age-dependent progression of $Ca^{2+}$ dysregulation in skeletal muscle. <i>Muscle and Nerve</i> , 2010, 42, 731-738.	2.2	11
22	Increases in $[IP_3]_i$ aggravates diastolic $[Ca^{2+}]_i$ and contractile dysfunction in Chagas' human cardiomyocytes. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008162.	3.0	11
23	Inositol 1,4,5-trisphosphate-induced $Ca^{2+}$ release is regulated by cytosolic $Ca^{2+}$ in intact skeletal muscle. <i>Pflügers Archiv European Journal of Physiology</i> , 1996, 432, 782-790.	2.8	9
24	A single arm trial using passive simulated jogging for blunting acute hyperglycemia. <i>Scientific Reports</i> , 2021, 11, 6437.	3.3	8
25	Private Equity Backed Radiology Considerations for the Radiology Trainee. <i>Current Problems in Diagnostic Radiology</i> , 2021, 50, 469-471.	1.4	8
26	Non-Invasive Technology That Improves Cardiac Function after Experimental Myocardial Infarction: Whole Body Periodic Acceleration (pGz). <i>PLoS ONE</i> , 2015, 10, e0121069.	2.5	8
27	Evidence of Reversible Bradycardia and Arrhythmias Caused by Immunogenic Proteins Secreted by <i>T. cruzi</i> in Isolated Rat Hearts. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003512.	3.0	7
28	Whole body periodic acceleration improves survival and microvascular leak in a murine endotoxin model. <i>PLoS ONE</i> , 2019, 14, e0208681.	2.5	7
29	Can Physical Activity While Sedentary Produce Health Benefits? A Single-Arm Randomized Trial. <i>Sports Medicine - Open</i> , 2020, 6, 47.	3.1	5
30	Whole body periodic acceleration (pGz) improves endotoxin induced cardiomyocyte contractile dysfunction and attenuates the inflammatory response in mice. <i>Heliyon</i> , 2021, 7, e06444.	3.2	4
31	Cardioprotective Effect of Whole Body Periodic Acceleration in Dystrophic Phenotype mdx Rodent. <i>Frontiers in Physiology</i> , 2021, 12, 658042.	2.8	4
32	Chronic Elevation of Skeletal Muscle $[Ca^{2+}]_i$ Impairs Glucose Uptake. An in Vivo and in Vitro Study. <i>Frontiers in Physiology</i> , 2022, 13, 872624.	2.8	3
33	Dietary Caffeine Synergizes Adverse Peripheral and Central Responses to Anesthesia in Malignant Hyperthermia Susceptible Mice. <i>Molecular Pharmacology</i> , 2020, 98, 351-363.	2.3	1
34	The Role of the $Na^+/Ca^{2+}$ Exchanger in Aberrant Intracellular $Ca^{2+}$ in Cardiomyocytes of Chagas-Infected Rodents. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	1
35	Effects of a novel RyR1 inhibitor on malignant hyperthermia model mice. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020, 93, 2-O-056.	0.0	0
36	Abstract 15864: Whole Body Periodic Acceleration (pGz); A Novel Therapeutic Approach in Dystrophin $-/-$ Utrophin $-/-$ (DKO) Cardiomyopathy. <i>Circulation</i> , 2015, 132, .	1.6	0

#	ARTICLE	IF	CITATIONS
37	The Effects of Passive Simulated Jogging on Parameters of Explosive Handgrip in Nondiabetics and Type 2 Diabetics: A Single Arm Study. BioMed Research International, 2022, 2022, 1-11.	1.9	0