

Vitor A Lira

List of Publications by Year in Descending Order

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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.

70 papers	6,698 citations	25 h-index	81 g-index
83 ext. papers	8,210 ext. citations	3.5 avg, IF	4.85 L-index

#	Paper	IF	Citations
70	Perinatal versus adult loss of ULK1 and ULK2 distinctly influences cardiac autophagy and function.. <i>Autophagy</i> , 2022 , 1-17	10.2	1
69	Higher Muscle Damage Triggered by Shorter Inter-Set Rest Periods in Volume-Equated Resistance Exercise.. <i>Frontiers in Physiology</i> , 2022 , 13, 827847	4.6	1
68	The unfolded protein response regulates hepatic autophagy by sXBP1-mediated activation of TFEB. <i>Autophagy</i> , 2021 , 17, 1841-1855	10.2	24
67	ADH5-mediated NO bioactivity maintains metabolic homeostasis in brown adipose tissue. <i>Cell Reports</i> , 2021 , 37, 110003	10.6	1
66	Regular exercise stimulates endothelium autophagy via IL-1 signaling in ApoE deficient mice. <i>FASEB Journal</i> , 2021 , 35, e21698	0.9	3
65	The effects of diet composition and chronic obesity on muscle growth and function. <i>Journal of Applied Physiology</i> , 2021 , 130, 124-138	3.7	5
64	Skeletal muscle type-specific mitochondrial adaptation to high-fat diet relies on differential autophagy modulation. <i>FASEB Journal</i> , 2021 , 35, e21933	0.9	0
63	Insulin and IGF-1 receptors regulate complex I-dependent mitochondrial bioenergetics and supercomplexes via FoxOs in muscle. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	4
62	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
61	Purification of Insoluble Protein Aggregates from Skeletal Muscle Using a Pre-Clinical Model of Huntington's Disease. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
60	Skeletal Muscle ULK1 and ULK2 Jointly Couple Muscle Mass with Force and Are Required for Survival Under Low Nutrient Availability. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	0
59	299-OR: Loss of Insulin and IGF1 Receptors in Muscle Impairs Complex-I Dependent Mitochondrial Bioenergetics and Supercomplex Formation via Foxo Transcription Factors. <i>Diabetes</i> , 2020 , 69, 299-OR	0.9	
58	42-OR: The Impact of GSNOR-Mediated Nitroso-Redox Signaling on Immuno-Metabolic Interaction in the Brown Adipose Tissue. <i>Diabetes</i> , 2020 , 69, 42-OR	0.9	
57	1722-P: Loss of Foxos in Muscle Maintains Strength and Mitochondrial Function during Aging, but Does Not Alter Glucose or Insulin Tolerance. <i>Diabetes</i> , 2020 , 69, 1722-P	0.9	
56	Embryonic versus adult cardiomyocyte loss of ULK1 and ULK2 uncover temporally distinct effects on autophagy and cardiac function. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	1
55	Muscle-derived SDF-1/CXCL12 modulates endothelial cell proliferation but not exercise training-induced angiogenesis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R770-R779	3.2	4
54	p62/SQSTM1 and Nrf2 are essential for exercise-mediated enhancement of antioxidant protein expression in oxidative muscle. <i>FASEB Journal</i> , 2019 , 33, 8022-8032	0.9	25

53	ULK2 is essential for degradation of ubiquitinated protein aggregates and homeostasis in skeletal muscle. <i>FASEB Journal</i> , 2019 , 33, 11735-11745	0.9	14
52	Muscle-derived SDF-1/CXCL12 modulates endothelial cell proliferation but is not required for exercise training-induced angiogenesis. <i>FASEB Journal</i> , 2019 , 33, 1b433	0.9	
51	Muscle contractile activity-mediated regulation of antioxidant enzymes in oxidative muscle requires p62/SQSTM1 phosphorylation-induced Nrf2 activation. <i>FASEB Journal</i> , 2019 , 33, 1b438	0.9	
50	IFN- γ and TNF- α Pre-licensing Protects Mesenchymal Stromal Cells from the Pro-inflammatory Effects of Palmitate. <i>Molecular Therapy</i> , 2018 , 26, 860-873	11.7	28
49	ULK2 Regulates p62- and NBR1-Dependent Selective Autophagy In Skeletal Muscle. <i>FASEB Journal</i> , 2018 , 32, 615.1	0.9	
48	Patterns of Suppressed Mitochondrial Respiration in Isolated Muscle Fibers from Type 2 Diabetics. <i>FASEB Journal</i> , 2018 , 32, 618.26	0.9	
47	Mitochondrial Reactive Oxygen Species in Lipotoxic Hearts Induce Post-Translational Modifications of AKAP121, DRP1, and OPA1 That Promote Mitochondrial Fission. <i>Circulation Research</i> , 2018 , 122, 58-73	15.7	118
46	Cervical vagal nerve stimulation impairs glucose tolerance and suppresses insulin release in conscious rats. <i>Physiological Reports</i> , 2018 , 6, e13953	2.6	15
45	Muscle-derived extracellular superoxide dismutase inhibits endothelial activation and protects against multiple organ dysfunction syndrome in mice. <i>Free Radical Biology and Medicine</i> , 2017 , 113, 212-223	7.8	14
44	Ampk phosphorylation of Ulk1 is required for targeting of mitochondria to lysosomes in exercise-induced mitophagy. <i>Nature Communications</i> , 2017 , 8, 548	17.4	203
43	Exercise leads to unfavourable cardiac remodelling and enhanced metabolic homeostasis in obese mice with cardiac and skeletal muscle autophagy deficiency. <i>Scientific Reports</i> , 2017 , 7, 7894	4.9	22
42	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
41	Forced exercise increases muscle mass in EAE despite early onset of disability. <i>Physiological Research</i> , 2016 , 65, 1013-1017	2.1	8
40	Ovarian Hormone Deprivation Reduces Oxytocin Expression in Paraventricular Nucleus Preautonomic Neurons and Correlates with Baroreflex Impairment in Rats. <i>Frontiers in Physiology</i> , 2016 , 7, 461	4.6	11
39	Contrasting effects of afferent and efferent vagal nerve stimulation on insulin secretion and blood glucose regulation. <i>Physiological Reports</i> , 2016 , 4, e12718	2.6	49
38	HDAC4 regulates muscle fiber type-specific gene expression programs. <i>Molecules and Cells</i> , 2015 , 38, 343-8	3.5	28
37	Identification and Small Molecule Inhibition of an Activating Transcription Factor 4 (ATF4)-dependent Pathway to Age-related Skeletal Muscle Weakness and Atrophy. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25497-511	5.4	64
36	Involvement of mTOR in Type 2 CRF Receptor Inhibition of Insulin Signaling in Muscle Cells. <i>Molecular Endocrinology</i> , 2015 , 29, 831-41		5

35	Enhanced skeletal muscle expression of extracellular superoxide dismutase mitigates streptozotocin-induced diabetic cardiomyopathy by reducing oxidative stress and aberrant cell signaling. <i>Circulation: Heart Failure</i> , 2015 , 8, 188-97	7.6	25
34	Loss of Ulk1 in skeletal muscle and heart prevents exercise protection against diet-induced insulin resistance. <i>FASEB Journal</i> , 2015 , 29, 821.6	0.9	1
33	Ulk1 is Required for Lysosome Targeting to Damaged Mitochondria Following Acute Exercise. <i>FASEB Journal</i> , 2015 , 29, 821.9	0.9	
32	Extracellular superoxide dismutase ameliorates skeletal muscle abnormalities, cachexia, and exercise intolerance in mice with congestive heart failure. <i>Circulation: Heart Failure</i> , 2014 , 7, 519-30	7.6	40
31	Corticosterone accelerates atherosclerosis in the apolipoprotein E-deficient mouse. <i>Atherosclerosis</i> , 2014 , 232, 414-9	3.1	12
30	Autophagy is required for exercise training-induced skeletal muscle adaptation and improvement of physical performance. <i>FASEB Journal</i> , 2013 , 27, 4184-93	0.9	278
29	Cessation of cyclic stretch induces atrophy of C2C12 myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 434, 316-21	3.4	30
28	Muscle-specific deletion of p38 γ MAPK improves glucose tolerance and reduces body fat but impairs exercise capacity. <i>FASEB Journal</i> , 2013 , 27, 1152.22	0.9	
27	Nrf2 deficiency in myeloid cells is not sufficient to protect mice from high-fat diet-induced adipose tissue inflammation and insulin resistance. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1708-15	7.8	37
26	Exercise training-induced regulation of mitochondrial quality. <i>Exercise and Sport Sciences Reviews</i> , 2012 , 40, 159-64	6.7	154
25	Assessment of Cardiorespiratory Fitness without Exercise in Elderly Men with Chronic Cardiovascular and Metabolic Diseases. <i>Journal of Aging Research</i> , 2012 , 2012, 518045	2.3	6
24	Atg6 deficiency exacerbates glucose intolerance in mice on high-fat diet. <i>FASEB Journal</i> , 2012 , 26, 869.18.9	0.9	3
23	Regulation of exercise-induced fiber type transformation, mitochondrial biogenesis, and angiogenesis in skeletal muscle. <i>Journal of Applied Physiology</i> , 2011 , 110, 264-74	3.7	210
22	Nitric oxide and AMPK cooperatively regulate PGC-1 in skeletal muscle cells. <i>Journal of Physiology</i> , 2010 , 588, 3551-66	3.9	135
21	PGC-1 α regulation by exercise training and its influences on muscle function and insulin sensitivity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E145-61	6	251
20	Nitric oxide regulates stretch-induced proliferation in C2C12 myoblasts. <i>Journal of Muscle Research and Cell Motility</i> , 2010 , 31, 215-25	3.5	25
19	Genetic ablation of cyclophilin D, a component of the mitochondrial permeability transition pore, improves insulin sensitivity in high-fat fed mice. <i>FASEB Journal</i> , 2010 , 24, 1b626	0.9	
18	A functional role of superoxide dismutase 3 in nitric oxide-mediated protection against catabolic wasting in skeletal muscle. <i>FASEB Journal</i> , 2010 , 24, 1b672	0.9	

17	Increased contractile activity induces autophagy in skeletal muscle. <i>FASEB Journal</i> , 2010 , 24, lb646	0.9	
16	p38gamma mitogen-activated protein kinase is a key regulator in skeletal muscle metabolic adaptation in mice. <i>PLoS ONE</i> , 2009 , 4, e7934	3.7	120
15	Endothelial nitric oxide synthase is involved in calcium-induced Akt signaling in mouse skeletal muscle. <i>Nitric Oxide - Biology and Chemistry</i> , 2009 , 21, 192-200	5	13
14	Supplemental nitric oxide augments satellite cell activity on cultured myofibers from aged mice. <i>Experimental Gerontology</i> , 2008 , 43, 1094-101	4.5	22
13	Nitric oxide facilitates NFAT-dependent transcription in mouse myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C1088-95	5.4	46
12	Nitric oxide reverses prednisolone-induced inactivation of muscle satellite cells. <i>Muscle and Nerve</i> , 2008 , 37, 203-9	3.4	18
11	Discontinuous sets of knee extensions induce higher cardiovascular responses in comparison to continuous ones. <i>Arquivos Brasileiros De Cardiologia</i> , 2008 , 90, 350-5	1.2	4
10	Nitric oxide increases GLUT4 expression and regulates AMPK signaling in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1062-8	6	125
9	Blood pressure assessment during resistance exercise: comparison between auscultation and Finapres. <i>Blood Pressure Monitoring</i> , 2007 , 12, 81-6	1.3	25
8	Overexpression of CuZnSOD or MnSOD protects satellite cells from doxorubicin-induced apoptosis. <i>FASEB Journal</i> , 2007 , 21, A449	0.9	
7	In vivo inhibition of nitric oxide synthase impairs upregulation of contractile protein mRNA in overloaded plantaris muscle. <i>Journal of Applied Physiology</i> , 2006 , 100, 258-65	3.7	57
6	Ibuprofen inhibits skeletal muscle hypertrophy in rats. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 840-6	1.2	77
5	Arginine supplementation induces myoblast fusion via augmentation of nitric oxide production. <i>Journal of Muscle Research and Cell Motility</i> , 2006 , 27, 577-84	3.5	35
4	Arginine supplementation induces myoblast fusion via augmentation of nitric oxide production. <i>FASEB Journal</i> , 2006 , 20, A29	0.9	
3	NOS inhibition prevents AMPK induction of GLUT4, citrate synthase and F1ATP synthase mRNA in L6 myotubes. <i>FASEB Journal</i> , 2006 , 20, A820	0.9	1
2	Fidedignidade entre peso e estatura reportados e medidos e a influência do histórico de atividade física em indivíduos que procuram a prática supervisionada de exercícios. <i>Revista Brasileira De Medicina Do Esporte</i> , 2005 , 11, 141-145	0.5	8
1	As ações de sentar e levantar do solo são prejudicadas por excesso de peso. <i>Revista Brasileira De Medicina Do Esporte</i> , 2000 , 6, 241-248	0.5	6