

# Vitor A Lira

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

9,412  
citations

186254

28  
h-index

144002

57  
g-index

83  
all docs

83  
docs citations

83  
times ranked

19010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	9.1	1,430
3	Autophagy is required for exercise training-induced skeletal muscle adaptation and improvement of physical performance. <i>FASEB Journal</i> , 2013, 27, 4184-4193.	0.5	344
4	Ampk phosphorylation of Ulk1 is required for targeting of mitochondria to lysosomes in exercise-induced mitophagy. <i>Nature Communications</i> , 2017, 8, 548.	12.8	333
5	PGC-1 $\beta$ 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-E161.	3.5	313
6	Regulation of exercise-induced fiber type transformation, mitochondrial biogenesis, and angiogenesis in skeletal muscle. <i>Journal of Applied Physiology</i> , 2011, 110, 264-274.	2.5	261
7	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.	4.5	225
8	Exercise Training-Induced Regulation of Mitochondrial Quality. <i>Exercise and Sport Sciences Reviews</i> , 2012, 40, 159-164.	3.0	186
9	Nitric oxide and AMPK cooperatively regulate PGC-1 $\beta$ in skeletal muscle cells. <i>Journal of Physiology</i> , 2010, 588, 3551-3566.	2.9	152
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-E1068.	3.5	147
11	p38 $\beta$ Mitogen-Activated Protein Kinase Is a Key Regulator in Skeletal Muscle Metabolic Adaptation in Mice. <i>PLoS ONE</i> , 2009, 4, e7934.	2.5	136
12	Ibuprofen Inhibits Skeletal Muscle Hypertrophy in Rats. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 840-846.	0.4	89
13	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, 25497-25511.	3.4	84
14	Contrasting effects of afferent and efferent vagal nerve stimulation on insulin secretion and blood glucose regulation. <i>Physiological Reports</i> , 2016, 4, e12718.	1.7	74
15	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, 258-265.	2.5	61
16	The unfolded protein response regulates hepatic autophagy by sXBP1-mediated activation of TFEB. <i>Autophagy</i> , 2021, 17, 1841-1855.	9.1	61
17	Nitric oxide facilitates NFAT-dependent transcription in mouse myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C1088-C1095.	4.6	58
18	Extracellular Superoxide Dismutase Ameliorates Skeletal Muscle Abnormalities, Cachexia, and Exercise Intolerance in Mice with Congestive Heart Failure. <i>Circulation: Heart Failure</i> , 2014, 7, 519-530.	3.9	54

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19	IFN- $\gamma$ and TNF- $\alpha$ Pre-licensing Protects Mesenchymal Stromal Cells from the Pro-inflammatory Effects of Palmitate. <i>Molecular Therapy</i> , 2018, 26, 860-873.	8.2	51
20	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, 1708-1715.	2.9	45
21	Arginine supplementation induces myoblast fusion via augmentation of nitric oxide production. <i>Journal of Muscle Research and Cell Motility</i> , 2006, 27, 577-584.	2.0	43
22	HDAC4 Regulates Muscle Fiber Type-Specific Gene Expression Programs. <i>Molecules and Cells</i> , 2015, 38, 343-348.	2.6	38
23	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.	0.5	37
24	Cessation of cyclic stretch induces atrophy of C2C12 myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2013, 434, 316-321.	2.1	36
25	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, 188-197.	3.9	32
26	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.	3.3	32
27	Blood pressure assessment during resistance exercise: comparison between auscultation and Finapres. <i>Blood Pressure Monitoring</i> , 2007, 12, 81-86.	0.8	28
28	Nitric oxide regulates stretch-induced proliferation in C2C12 myoblasts. <i>Journal of Muscle Research and Cell Motility</i> , 2010, 31, 215-225.	2.0	28
29	ULK2 is essential for degradation of ubiquitinated protein aggregates and homeostasis in skeletal muscle. <i>FASEB Journal</i> , 2019, 33, 11735-12745.	0.5	28
30	Insulin and IGF-1 receptors regulate complex $\text{I}\alpha$ -dependent mitochondrial bioenergetics and supercomplexes via FoxOs in muscle. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	28
31	Supplemental nitric oxide augments satellite cell activity on cultured myofibers from aged mice. <i>Experimental Gerontology</i> , 2008, 43, 1094-1101.	2.8	24
32	Cervical vagal nerve stimulation impairs glucose tolerance and suppresses insulin release in conscious rats. <i>Physiological Reports</i> , 2018, 6, e13953.	1.7	23
33	Nitric oxide reverses prednisolone-induced inactivation of muscle satellite cells. <i>Muscle and Nerve</i> , 2008, 37, 203-209.	2.2	20
34	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.	2.8	20
35	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.	2.9	20
36	Corticosterone accelerates atherosclerosis in the apolipoprotein E-deficient mouse. <i>Atherosclerosis</i> , 2014, 232, 414-419.	0.8	15

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37	The effects of diet composition and chronic obesity on muscle growth and function. <i>Journal of Applied Physiology</i> , 2021, 130, 124-138.	2.5	15
38	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.	2.7	13
39	Muscle-derived SDF-1 $\alpha$ /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.	1.8	12
40	Regular exercise stimulates endothelium autophagy via IL-1 $\beta$ signaling in ApoE deficient mice. <i>FASEB Journal</i> , 2021, 35, e21698.	0.5	12
41	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.	0.2	11
42	Assessment of Cardiorespiratory Fitness without Exercise in Elderly Men with Chronic Cardiovascular and Metabolic Diseases. <i>Journal of Aging Research</i> , 2012, 2012, 1-6.	0.9	10
43	New Insights into the Benefits of Physical Activity and Exercise for Aging and Chronic Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-3.	4.0	10
44	Forced Exercise Increases Muscle Mass in EAE Despite Early Onset of Disability. <i>Physiological Research</i> , 2016, 65, 1013-1017.	0.9	10
45	ADH5-mediated NO bioactivity maintains metabolic homeostasis in brown adipose tissue. <i>Cell Reports</i> , 2021, 37, 110003.	6.4	10
46	Perinatal versus adult loss of ULK1 and ULK2 distinctly influences cardiac autophagy and function. <i>Autophagy</i> , 2022, 18, 2161-2177.	9.1	10
47	Modulation of miR-29a and ADAM12 Reduces Post-Ischemic Skeletal Muscle Injury and Improves Perfusion Recovery and Skeletal Muscle Function in a Mouse Model of Type 2 Diabetes and Peripheral Artery Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 429.	4.1	9
48	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.	0.2	6
49	Involvement of mTOR in Type 2 CRF Receptor Inhibition of Insulin Signaling in Muscle Cells. <i>Molecular Endocrinology</i> , 2015, 29, 831-841.	3.7	6
50	Série fracionada da extensão de joelho proporciona maiores respostas cardiovasculares que séries contínuas. <i>Arquivos Brasileiros De Cardiologia</i> , 2008, 90, 382-387.	0.8	6
51	Higher Muscle Damage Triggered by Shorter Inter-Set Rest Periods in Volume-Equated Resistance Exercise. <i>Frontiers in Physiology</i> , 2022, 13, 827847.	2.8	4
52	Skeletal muscle type-specific mitochondrial adaptation to high-fat diet relies on differential autophagy modulation. <i>FASEB Journal</i> , 2021, 35, e21933.	0.5	3
53	Atg6 deficiency exacerbates glucose intolerance in mice on high-fat diet. <i>FASEB Journal</i> , 2012, 26, 869.18.	0.5	3
54	NOS inhibition prevents AMPK induction of GLUT4, citrate synthase and F <sub>1</sub> ATP synthase mRNA in L6 myotubes. <i>FASEB Journal</i> , 2006, 20, A820.	0.5	2

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55	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.	0.5	1
56	Loss of Ulk1 in skeletal muscle and heart prevents exercise protection against diet-induced insulin resistance. <i>FASEB Journal</i> , 2015, 29, 821.6.	0.5	1
57	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.	0.5	1
58	Treadmill Exercise Increases NGF and Skeletal Muscle Mass of Experimental Autoimmune Encephalomyelitis Rodents. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 93.	0.4	0
59	Exercise-Induced Cardioprotection: More to NO'w. <i>Cardiology</i> , 2015, 130, 172-174.	1.4	0
60	ULK2 Regulates Autophagic Cargo Recognition Impacting Contractile Function In Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 488.	0.4	0
61	L-NAME Prevents Stretch-induced Increases in Myotube Size and Nuclear Number. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, S147.	0.4	0
62	Nitric Oxide-dependent Regulation Of Glut4 Expression In L6 Myotubes. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S309.	0.4	0
63	Arginine supplementation induces myoblast fusion via augmentation of nitric oxide production. <i>FASEB Journal</i> , 2006, 20, A29.	0.5	0
64	Overexpression of CuZnSOD or MnSOD protects satellite cells from doxorubicin-induced apoptosis. <i>FASEB Journal</i> , 2007, 21, A449.	0.5	0
65	Nitric Oxide Facilitates Calcium-Induced, NFAT-Dependent Transcription in Myotubes. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S223.	0.4	0
66	Prednisolone-Induced Dysfunction of Skeletal Muscle Satellite Cells is Reversed by Nitric Oxide. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S224.	0.4	0
67	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, lb626.	0.5	0
68	A functional role of superoxide dismutase 3 in nitric oxide-mediated protection against catabolic wasting in skeletal muscle. <i>FASEB Journal</i> , 2010, 24, lb672.	0.5	0
69	Increased contractile activity induces autophagy in skeletal muscle. <i>FASEB Journal</i> , 2010, 24, lb646.	0.5	0
70	Autophagy in Skeletal Muscle is Required for Exercise Training-Induced Improvement in Glucose Tolerance. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 8.	0.4	0
71	Enhanced expression of EcSOD in skeletal muscle blocks chronic heart failure-induced muscle atrophy and exercise intolerance in mice. <i>FASEB Journal</i> , 2012, 26, .	0.5	0
72	Muscle-specific deletion of p38 $\beta$ /J2 MAPK improves glucose tolerance and reduces body fat but impairs exercise capacity. <i>FASEB Journal</i> , 2013, 27, 1152.22.	0.5	0

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73	Ulk1 is Required for Lysosome Targeting to Damaged Mitochondria Following Acute Exercise. FASEB Journal, 2015, 29, 821.9.	0.5	0
74	ULK2 Regulates p62 and NBR1-Dependent Selective Autophagy In Skeletal Muscle. FASEB Journal, 2018, 32, 615.1.	0.5	0
75	Patterns of Suppressed Mitochondrial Respiration in Isolated Muscle Fibers from Type 2 Diabetics. FASEB Journal, 2018, 32, 618.26.	0.5	0
76	Muscle-derived SDF1/CXCL12 modulates endothelial cell proliferation but is not required for exercise training-induced angiogenesis. FASEB Journal, 2019, 33, 1b433.	0.5	0
77	Muscle contractile activity-mediated regulation of antioxidant enzymes in oxidative muscle requires p62/SQSTM1 phosphorylation-induced Nrf2 activation. FASEB Journal, 2019, 33, 1b438.	0.5	0
78	299-OR: Loss of Insulin and IGF1 Receptors in Muscle Impairs Complex-I Dependent Mitochondrial Bioenergetics and Supercomplex Formation via Foxo Transcription Factors. Diabetes, 2020, 69, 299-OR.	0.6	0
79	42-OR: The Impact of GSNOR-Mediated Nitroso-Redox Signaling on Immuno-Metabolic Interaction in the Brown Adipose Tissue. Diabetes, 2020, 69, .	0.6	0
80	1722-P: Loss of Foxos in Muscle Maintains Strength and Mitochondrial Function during Aging, but Does Not Alter Glucose or Insulin Tolerance. Diabetes, 2020, 69, .	0.6	0
81	Purification of Insoluble Protein Aggregates from Skeletal Muscle Using a Pre-Clinical Model of Huntington's Disease. FASEB Journal, 2020, 34, 1-1.	0.5	0