

# Julio Cesar Batista Ferreira

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8470999/julio-cesar-batista-ferreira-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

81  
papers

3,697  
citations

34  
h-index

60  
g-index

88  
ext. papers

4,870  
ext. citations

7.3  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
81	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
80	Targeting aldehyde dehydrogenase 2: new therapeutic opportunities. <i>Physiological Reviews</i> , <b>2014</b> , 94, 1-34	47.9	322
79	Mitochondria as a source of reactive oxygen and nitrogen species: from molecular mechanisms to human health. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 2029-74	8.4	282
78	Acute inhibition of excessive mitochondrial fission after myocardial infarction prevents long-term cardiac dysfunction. <i>Journal of the American Heart Association</i> , <b>2013</b> , 2, e000461	6	205
77	Maximal lactate steady state in running mice: effect of exercise training. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2007</b> , 34, 760-5	3	188
76	Protein kinase C in heart failure: a therapeutic target?. <i>Cardiovascular Research</i> , <b>2009</b> , 82, 229-39	9.9	142
75	Exercise training prevents oxidative stress and ubiquitin-proteasome system overactivity and reverse skeletal muscle atrophy in heart failure. <i>PLoS ONE</i> , <b>2012</b> , 7, e41701	3.7	105
74	Targeting mitochondrial dysfunction and oxidative stress in heart failure: Challenges and opportunities. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 129, 155-168	7.8	92
73	Aldehyde dehydrogenase 2 activation in heart failure restores mitochondrial function and improves ventricular function and remodelling. <i>Cardiovascular Research</i> , <b>2014</b> , 103, 498-508	9.9	91
72	A personalized medicine approach for Asian Americans with the aldehyde dehydrogenase 2*2 variant. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2015</b> , 55, 107-27	17.9	80
71	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) phosphorylation by protein kinase C [(PKC)] inhibits mitochondria elimination by lysosomal-like structures following ischemia and reoxygenation-induced injury. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 18947-60	5.4	76
70	Exercise reestablishes autophagic flux and mitochondrial quality control in heart failure. <i>Autophagy</i> , <b>2017</b> , 13, 1304-1317	10.2	71
69	Ischaemic preconditioning improves proteasomal activity and increases the degradation of deltaPKC during reperfusion. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 385-94	9.9	71
68	Sympathetic hyperactivity differentially affects skeletal muscle mass in developing heart failure: role of exercise training. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1631-40	3.7	69
67	ALDH2 activator inhibits increased myocardial infarction injury by nitroglycerin tolerance. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 107ra111	17.5	61
66	Exercise training restores cardiac protein quality control in heart failure. <i>PLoS ONE</i> , <b>2012</b> , 7, e52764	3.7	58
65	Creatine in type 2 diabetes: a randomized, double-blind, placebo-controlled trial. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 770-8	1.2	57

64	βPKC and βKC isozymes as potential pharmacological targets in cardiac hypertrophy and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 51, 479-84	5.8	55
63	Nitroglycerin use in myocardial infarction patients. <i>Circulation Journal</i> , <b>2012</b> , 76, 15-21	2.9	52
62	Exercise training reduces cardiac angiotensin II levels and prevents cardiac dysfunction in a genetic model of sympathetic hyperactivity-induced heart failure in mice. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 105, 843-50	3.4	49
61	Cardiac anti-remodelling effect of aerobic training is associated with a reduction in the calcineurin/NFAT signalling pathway in heart failure mice. <i>Journal of Physiology</i> , <b>2009</b> , 587, 3899-910	3.9	49
60	Aerobic exercise training improves skeletal muscle function and Ca <sup>2+</sup> handling-related protein expression in sympathetic hyperactivity-induced heart failure. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 702-9	3.7	48
59	Aerobic exercise training upregulates skeletal muscle calpain and ubiquitin-proteasome systems in healthy mice. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 1839-46	3.7	47
58	Impact of exercise training on redox signaling in cardiovascular diseases. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 62, 107-19	4.7	45
57	Exercise training and caloric restriction prevent reduction in cardiac Ca <sup>2+</sup> -handling protein profile in obese rats. <i>Hypertension</i> , <b>2010</b> , 56, 629-35	8.5	45
56	Aerobic exercise training improves Ca <sup>2+</sup> handling and redox status of skeletal muscle in mice. <i>Experimental Biology and Medicine</i> , <b>2010</b> , 235, 497-505	3.7	45
55	The role of local and systemic renin angiotensin system activation in a genetic model of sympathetic hyperactivity-induced heart failure in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 294, R26-32	3.2	44
54	Aldehydic load and aldehyde dehydrogenase 2 profile during the progression of post-myocardial infarction cardiomyopathy: benefits of Alda-1. <i>International Journal of Cardiology</i> , <b>2015</b> , 179, 129-38	3.2	41
53	Aerobic exercise training in heart failure: impact on sympathetic hyperactivity and cardiac and skeletal muscle function. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2011</b> , 44, 827-35	2.8	41
52	Regulation of mitochondrial processes: a target for heart failure. <i>Drug Discovery Today Disease Mechanisms</i> , <b>2010</b> , 7, e95-e102		39
51	Intracellular mechanisms of specific beta-adrenoceptor antagonists involved in improved cardiac function and survival in a genetic model of heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2008</b> , 45, 240-9	5.8	39
50	Protein quality control disruption by PKCβ in heart failure; rescue by the selective PKCβ inhibitor, IV5-3. <i>PLoS ONE</i> , <b>2012</b> , 7, e33175	3.7	37
49	pH-Gated Succinate Secretion Regulates Muscle Remodeling in Response to Exercise. <i>Cell</i> , <b>2020</b> , 183, 62-75.e17	56.2	37
48	A selective inhibitor of mitofusin 1-βPKC association improves heart failure outcome in rats. <i>Nature Communications</i> , <b>2019</b> , 10, 329	17.4	37
47	Molecular adaptations to concurrent training. <i>International Journal of Sports Medicine</i> , <b>2013</b> , 34, 207-13	3.6	32

46	Pharmacological inhibition of $\beta$ PKC is cardioprotective in late-stage hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 51, 980-7	5.8	32
45	Identification of $\beta$ KC targets during cardiac ischemic injury. <i>Circulation Journal</i> , <b>2012</b> , 76, 1476-85	2.9	28
44	Mitochondrial Quality Control in Cardiac Diseases. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 479	4.6	28
43	Exercise training decreases NADPH oxidase activity and restores skeletal muscle mass in heart failure rats. <i>Journal of Applied Physiology</i> , <b>2017</b> , 122, 817-827	3.7	27
42	Increased clearance of reactive aldehydes and damaged proteins in hypertension-induced compensated cardiac hypertrophy: impact of exercise training. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2015</b> , 2015, 464195	6.7	26
41	New therapeutics to modulate mitochondrial dynamics and mitophagy in cardiac diseases. <i>Journal of Molecular Medicine</i> , <b>2015</b> , 93, 279-87	5.5	26
40	Creatine-induced glucose uptake in type 2 diabetes: a role for AMPK- $\alpha$ . <i>Amino Acids</i> , <b>2012</b> , 43, 1803-7	3.5	24
39	Angiotensin receptor blockade improves the net balance of cardiac Ca(2+) handling-related proteins in sympathetic hyperactivity-induced heart failure. <i>Life Sciences</i> , <b>2011</b> , 88, 578-85	6.8	22
38	PKC $\beta$ inhibition attenuates myocardial infarction induced heart failure and is associated with a reduction of fibrosis and pro-inflammatory responses. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 1769-77	5.6	22
37	Cardioprotection induced by a brief exposure to acetaldehyde: role of aldehyde dehydrogenase 2. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 1006-1015	9.9	20
36	Peripheral sensitization increases opioid receptor expression and activation by crotalpine in rats. <i>PLoS ONE</i> , <b>2014</b> , 9, e90576	3.7	20
35	Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Protein-Protein Interaction Inhibitor Reveals a Non-catalytic Role for GAPDH Oligomerization in Cell Death. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 13608-21	5.4	18
34	Exercise prevents impaired autophagy and proteostasis in a model of neurogenic myopathy. <i>Scientific Reports</i> , <b>2018</b> , 8, 11818	4.9	16
33	Endoplasmic reticulum stress impairs cardiomyocyte contractility through JNK-dependent upregulation of BNIP3. <i>International Journal of Cardiology</i> , <b>2018</b> , 272, 194-201	3.2	14
32	Mitochondrially-targeted treatment strategies. <i>Molecular Aspects of Medicine</i> , <b>2020</b> , 71, 100836	16.7	14
31	Anti-toll like receptor 4 (TLR4) therapy diminishes cardiac remodeling regardless of changes in blood pressure in spontaneously hypertensive rats (SHR). <i>International Journal of Cardiology</i> , <b>2015</b> , 187, 243-5	3.2	13
30	Induced pluripotent stem cells reprogramming: Epigenetics and applications in the regenerative medicine. <i>Revista Da Associação Médica Brasileira</i> , <b>2017</b> , 63, 180-189	1.4	13
29	ALDH2 and Cardiovascular Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1193, 53-67	3.6	12

28	M-protein is down-regulated in cardiac hypertrophy driven by thyroid hormone in rats. <i>Molecular Endocrinology</i> , <b>2013</b> , 27, 2055-65		12
27	Disruption of mitochondrial quality control in peripheral artery disease: New therapeutic opportunities. <i>Pharmacological Research</i> , <b>2017</b> , 115, 96-106	10.2	11
26	In vivo measurement of aldehyde dehydrogenase-2 activity in rat liver ethanol model using dynamic MRSI of hyperpolarized [1-(13) C]pyruvate. <i>NMR in Biomedicine</i> , <b>2013</b> , 26, 607-12	4.4	11
25	Regulation of cardiac excitability by protein kinase C isozymes. <i>Frontiers in Bioscience - Scholar</i> , <b>2012</b> , 4, 532-46	2.4	10
24	Mild mitochondrial impairment enhances innate immunity and longevity through ATFS-1 and p38 signaling. <i>EMBO Reports</i> , <b>2021</b> , 22, e52964	6.5	10
23	High fat diet reduces the expression of miRNA-29b in heart and increases susceptibility of myocardium to ischemia/reperfusion injury. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 9399-9407	7	10
22	Novel and prevalent non-East Asian ALDH2 variants; Implications for global susceptibility to aldehydes toxicity. <i>EBioMedicine</i> , <b>2020</b> , 55, 102753	8.8	9
21	Mitophagy protects against statin-mediated skeletal muscle toxicity. <i>FASEB Journal</i> , <b>2019</b> , 33, 11857-11869		9
20	β-Adrenoceptor activation improves skeletal muscle autophagy in neurogenic myopathy. <i>FASEB Journal</i> , <b>2020</b> , 34, 5628-5641	0.9	7
19	Mitochondrial Unfolded Protein Response (UPR) Activation in Cardiac Diseases: Opportunities and Challenges. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 1011-1012	15.1	6
18	miRNA-22 deletion limits white adipose expansion and activates brown fat to attenuate high-fat diet-induced fat mass accumulation. <i>Metabolism: Clinical and Experimental</i> , <b>2021</b> , 117, 154723	12.7	4
17	β-Adrenergic Signaling Modulates Mitochondrial Function and Morphology in Skeletal Muscle in Response to Aerobic Exercise. <i>Cells</i> , <b>2021</b> , 10,	7.9	3
16	Histidine dipeptides are key regulators of excitation-contraction coupling in cardiac muscle: Evidence from a novel CARNS1 knockout rat model. <i>Redox Biology</i> , <b>2021</b> , 44, 102016	11.3	3
15	Thyrotoxicosis Involves β-Adrenoceptor Signaling to Negatively Affect Microarchitecture and Biomechanical Properties of the Femur. <i>Thyroid</i> , <b>2019</b> , 29, 1060-1072	6.2	2
14	Efeitos da suplementação de creatina no exercício intermitente de alta intensidade: divergências e recomendações metodológicas. <i>Revista Brasileira De Cineantropometria E Desempenho Humano</i> , <b>2008</b> , 10,	0.1	2
13	Effect of FKBP12-Derived Intracellular Peptides on Rapamycin-Induced FKBP-FRB Interaction and Autophagy.. <i>Cells</i> , <b>2022</b> , 11,	7.9	2
12	Deletion of miRNA-22 Induces Cardiac Hypertrophy in Females but Attenuates Obesogenic Diet-Mediated Metabolic Disorders. <i>Cellular Physiology and Biochemistry</i> , <b>2020</b> , 54, 1199-1217	3.9	2
11	The Crotoxin:SBA-15 Complex Down-Regulates the Incidence and Intensity of Experimental Autoimmune Encephalomyelitis Through Peripheral and Central Actions. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 591563	8.4	2

10	Comment on: "Aldehyde dehydrogenases contribute to skeletal muscle homeostasis in healthy, aging, and Duchenne muscular dystrophy patients" by Etienne et al. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2020</b> , 11, 1858-1859	10.3	2
9	Cancer-induced muscle atrophy is determined by intrinsic muscle oxidative capacity. <i>FASEB Journal</i> , <b>2021</b> , 35, e21714	0.9	2
8	Treatment strategies for glucose-6-phosphate dehydrogenase deficiency: past and future perspectives. <i>Trends in Pharmacological Sciences</i> , <b>2021</b> , 42, 829-844	13.2	2
7	A Selective Inhibitor of Cardiac Troponin I Phosphorylation by Delta Protein Kinase C (PKC) as a Treatment for Ischemia-Reperfusion Injury.. <i>Pharmaceuticals</i> , <b>2022</b> , 15,	5.2	2
6	Alcohol consumption and vascular disease: other points to consider. <i>Lancet, The</i> , <b>2019</b> , 394, 1617-1618	40	1
5	Activation of PKC $\beta$ ALDH2 Axis Prevents 4-HNE-Induced Pain in Mice.. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
4	Targeting Mitochondrial Fission-Fusion Imbalance in Heart Failure. <i>Current Tissue Microenvironment Reports</i> , <b>2020</b> , 1, 239-247	1.1	1
3	Mitochondrial Biogenesis and Dynamics in Health and Disease <b>2022</b> , 31-51		0
2	Autophagy deficiency abolishes liver mitochondrial DNA segregation.. <i>Autophagy</i> , <b>2022</b> , 1-12	10.2	0
1	Thyroid hormone-induced cardioprotection is lost in AT2R null mice. <i>FASEB Journal</i> , <b>2015</b> , 29, 1043.6	0.9	