Julio Cesar Batista Ferreira

List of Publications by Year in Descending Order

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	Effect of FKBP12-Derived Intracellular Peptides on Rapamycin-Induced FKBP-FRB Interaction and Autophagy.. *Cells*, **2022**, 11,	7.9	2
80	Mitochondrial Biogenesis and Dynamics in Health and Disease **2022**, 31-51		0
79	A Selective Inhibitor of Cardiac Troponin I Phosphorylation by Delta Protein Kinase C (PKC) as a Treatment for Ischemia-Reperfusion Injury.. *Pharmaceuticals*, **2022**, 15,	5.2	2
78	Autophagy deficiency abolishes liver mitochondrial DNA segregation.. *Autophagy*, **2022**, 1-12	10.2	0
77	Mild mitochondrial impairment enhances innate immunity and longevity through ATFS-1 and p38 signaling. *EMBO Reports*, **2021**, 22, e52964	6.5	10
76	Activation of PKCALDH2 Axis Prevents 4-HNE-Induced Pain in Mice.. *Biomolecules*, **2021**, 11,	5.9	1
75	miRNA-22 deletion limits white adipose expansion and activates brown fat to attenuate high-fat diet-induced fat mass accumulation. *Metabolism: Clinical and Experimental*, **2021**, 117, 154723	12.7	4
74	Cancer-induced muscle atrophy is determined by intrinsic muscle oxidative capacity. *FASEB Journal*, **2021**, 35, e21714	0.9	2
73	Adrenergic Signaling Modulates Mitochondrial Function and Morphology in Skeletal Muscle in Response to Aerobic Exercise. *Cells*, **2021**, 10,	7.9	3
72	Histidine dipeptides are key regulators of excitation-contraction coupling in cardiac muscle: Evidence from a novel CARNS1 knockout rat model. *Redox Biology*, **2021**, 44, 102016	11.3	3
71	Treatment strategies for glucose-6-phosphate dehydrogenase deficiency: past and future perspectives. *Trends in Pharmacological Sciences*, **2021**, 42, 829-844	13.2	2
70	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
69	Novel and prevalent non-East Asian ALDH2 variants; Implications for global susceptibility to aldehydesToxicity. *EBioMedicine*, **2020**, 55, 102753	8.8	9
68	adrenoceptor activation improves skeletal muscle autophagy in neurogenic myopathy. *FASEB Journal*, **2020**, 34, 5628-5641	0.9	7
67	Deletion of miRNA-22 Induces Cardiac Hypertrophy in Females but Attenuates Obesogenic Diet-Mediated Metabolic Disorders. *Cellular Physiology and Biochemistry*, **2020**, 54, 1199-1217	3.9	2
66	Mitochondrially-targeted treatment strategies. *Molecular Aspects of Medicine*, **2020**, 71, 100836	16.7	14
65	The Crotoxin:SBA-15 Complex Down-Regulates the Incidence and Intensity of Experimental Autoimmune Encephalomyelitis Through Peripheral and Central Actions. *Frontiers in Immunology*, **2020**, 11, 591563	8.4	2

64	Comment on: "Aldehyde dehydrogenases contribute to skeletal muscle homeostasis in healthy, aging, and Duchenne muscular dystrophy patients" by Etienne et al. *Journal of Cachexia, Sarcopenia and Muscle*, **2020**, 11, 1858-1859	10.3	2
63	Targeting Mitochondrial Fission-Fusion Imbalance in Heart Failure. *Current Tissue Microenvironment Reports*, **2020**, 1, 239-247	1.1	1
62	pH-Gated Succinate Secretion Regulates Muscle Remodeling in Response to Exercise. *Cell*, **2020**, 183, 62-75.e17	56.2	37
61	Mitochondrial Unfolded Protein Response (UPR) Activation in Cardiac Diseases: Opportunities and Challenges. *Journal of the American College of Cardiology*, **2019**, 74, 1011-1012	15.1	6
60	Mitophagy protects against statin-mediated skeletal muscle toxicity. *FASEB Journal*, **2019**, 33, 11857-11869	6.9	9
59	ALDH2 and Cardiovascular Disease. *Advances in Experimental Medicine and Biology*, **2019**, 1193, 53-67	3.6	12
58	Thyrotoxicosis Involves β2-Adrenoceptor Signaling to Negatively Affect Microarchitecture and Biomechanical Properties of the Femur. *Thyroid*, **2019**, 29, 1060-1072	6.2	2
57	Alcohol consumption and vascular disease: other points to consider. *Lancet, The*, **2019**, 394, 1617-1618	40	1
56	A selective inhibitor of mitofusin 1-βPKC association improves heart failure outcome in rats. *Nature Communications*, **2019**, 10, 329	17.4	37
55	High fat diet reduces the expression of miRNA-29b in heart and increases susceptibility of myocardium to ischemia/reperfusion injury. *Journal of Cellular Physiology*, **2019**, 234, 9399-9407	7	10
54	Cardioprotection induced by a brief exposure to acetaldehyde: role of aldehyde dehydrogenase 2. *Cardiovascular Research*, **2018**, 114, 1006-1015	9.9	20
53	Endoplasmic reticulum stress impairs cardiomyocyte contractility through JNK-dependent upregulation of BNIP3. *International Journal of Cardiology*, **2018**, 272, 194-201	3.2	14
52	Exercise prevents impaired autophagy and proteostasis in a model of neurogenic myopathy. *Scientific Reports*, **2018**, 8, 11818	4.9	16
51	Targeting mitochondrial dysfunction and oxidative stress in heart failure: Challenges and opportunities. *Free Radical Biology and Medicine*, **2018**, 129, 155-168	7.8	92
50	Exercise reestablishes autophagic flux and mitochondrial quality control in heart failure. *Autophagy* , **2017**, 13, 1304-1317	10.2	71
49	Exercise training decreases NADPH oxidase activity and restores skeletal muscle mass in heart failure rats. *Journal of Applied Physiology*, **2017**, 122, 817-827	3.7	27
48	Induced pluripotent stem cells reprogramming: Epigenetics and applications in the regenerative medicine. *Revista Da Associação Médica Brasileira*, **2017**, 63, 180-189	1.4	13
47	Disruption of mitochondrial quality control in peripheral artery disease: New therapeutic opportunities. *Pharmacological Research*, **2017**, 115, 96-106	10.2	11

46	Mitochondrial Quality Control in Cardiac Diseases. *Frontiers in Physiology*, **2016**, 7, 479	4.6	28
45	Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Protein-Protein Interaction Inhibitor Reveals a Non-catalytic Role for GAPDH Oligomerization in Cell Death. *Journal of Biological Chemistry*, **2016**, 291, 13608-21	5.4	18
44	Anti-toll like receptor 4 (TLR4) therapy diminishes cardiac remodeling regardless of changes in blood pressure in spontaneously hypertensive rats (SHR). *International Journal of Cardiology*, **2015**, 187, 243-5	3.2	13
43	A personalized medicine approach for Asian Americans with the aldehyde dehydrogenase 2*2 variant. *Annual Review of Pharmacology and Toxicology*, **2015**, 55, 107-27	17.9	80
42	Aldehydic load and aldehyde dehydrogenase 2 profile during the progression of post-myocardial infarction cardiomyopathy: benefits of Alda-1. *International Journal of Cardiology*, **2015**, 179, 129-38	3.2	41
41	Increased clearance of reactive aldehydes and damaged proteins in hypertension-induced compensated cardiac hypertrophy: impact of exercise training. *Oxidative Medicine and Cellular Longevity*, **2015**, 2015, 464195	6.7	26
40	New therapeutics to modulate mitochondrial dynamics and mitophagy in cardiac diseases. *Journal of Molecular Medicine*, **2015**, 93, 279-87	5.5	26
39	Thyroid hormone-induced cardioprotection is lost in AT2R null mice. *FASEB Journal*, **2015**, 29, 1043.6	0.9	
38	Aldehyde dehydrogenase 2 activation in heart failure restores mitochondrial function and improves ventricular function and remodelling. *Cardiovascular Research*, **2014**, 103, 498-508	9.9	91
37	Targeting aldehyde dehydrogenase 2: new therapeutic opportunities. *Physiological Reviews*, **2014**, 94, 1-34	47.9	322
36	Peripheral sensitization increases opioid receptor expression and activation by crotalphine in rats. *PLoS ONE*, **2014**, 9, e90576	3.7	20
35	Impact of exercise training on redox signaling in cardiovascular diseases. *Food and Chemical Toxicology*, **2013**, 62, 107-19	4.7	45
34	Mitochondria as a source of reactive oxygen and nitrogen species: from molecular mechanisms to human health. *Antioxidants and Redox Signaling*, **2013**, 18, 2029-74	8.4	282
33	M-protein is down-regulated in cardiac hypertrophy driven by thyroid hormone in rats. *Molecular Endocrinology*, **2013**, 27, 2055-65		12
32	Acute inhibition of excessive mitochondrial fission after myocardial infarction prevents long-term cardiac dysfunction. *Journal of the American Heart Association*, **2013**, 2, e000461	6	205
31	Molecular adaptations to concurrent training. *International Journal of Sports Medicine*, **2013**, 34, 207-13	3.6	32
30	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) phosphorylation by protein kinase C[PKC] inhibits mitochondria elimination by lysosomal-like structures following ischemia and reoxygenation-induced injury. *Journal of Biological Chemistry*, **2013**, 288, 18947-60	5.4	76
29	In vivo measurement of aldehyde dehydrogenase-2 activity in rat liver ethanol model using dynamic MRSI of hyperpolarized [1-(13) C]pyruvate. *NMR in Biomedicine*, **2013**, 26, 607-12	4.4	11

28	Nitroglycerin use in myocardial infarction patients. *Circulation Journal*, **2012**, 76, 15-21	2.9	52
27	Identification of PKC targets during cardiac ischemic injury. *Circulation Journal*, **2012**, 76, 1476-85	2.9	28
26	Aerobic exercise training upregulates skeletal muscle calpain and ubiquitin-proteasome systems in healthy mice. *Journal of Applied Physiology*, **2012**, 112, 1839-46	3.7	47
25	Creatine-induced glucose uptake in type 2 diabetes: a role for AMPK-? *Amino Acids*, **2012**, 43, 1803-7	3.5	24
24	Protein quality control disruption by PKC in heart failure; rescue by the selective PKC inhibitor, V5-3. *PLoS ONE*, **2012**, 7, e33175	3.7	37
23	Exercise training prevents oxidative stress and ubiquitin-proteasome system overactivity and reverse skeletal muscle atrophy in heart failure. *PLoS ONE*, **2012**, 7, e41701	3.7	105
22	Exercise training restores cardiac protein quality control in heart failure. *PLoS ONE*, **2012**, 7, e52764	3.7	58
21	Regulation of cardiac excitability by protein kinase C isozymes. *Frontiers in Bioscience - Scholar*, **2012**, 4, 532-46	2.4	10
20	Angiotensin receptor blockade improves the net balance of cardiac Ca(2+) handling-related proteins in sympathetic hyperactivity-induced heart failure. *Life Sciences*, **2011**, 88, 578-85	6.8	22
19	PKC and PKC isozymes as potential pharmacological targets in cardiac hypertrophy and heart failure. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 479-84	5.8	55
18	Pharmacological inhibition of PKC is cardioprotective in late-stage hypertrophy. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 980-7	5.8	32
17	Aerobic exercise training in heart failure: impact on sympathetic hyperactivity and cardiac and skeletal muscle function. *Brazilian Journal of Medical and Biological Research*, **2011**, 44, 827-35	2.8	41
16	PKC inhibition attenuates myocardial infarction induced heart failure and is associated with a reduction of fibrosis and pro-inflammatory responses. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 1769-77	5.6	22
15	ALDH2 activator inhibits increased myocardial infarction injury by nitroglycerin tolerance. *Science Translational Medicine*, **2011**, 3, 107ra111	17.5	61
14	Creatine in type 2 diabetes: a randomized, double-blind, placebo-controlled trial. *Medicine and Science in Sports and Exercise*, **2011**, 43, 770-8	1.2	57
13	Exercise training and caloric restriction prevent reduction in cardiac Ca2+-handling protein profile in obese rats. *Hypertension*, **2010**, 56, 629-35	8.5	45
12	Aerobic exercise training improves Ca2+ handling and redox status of skeletal muscle in mice. *Experimental Biology and Medicine*, **2010**, 235, 497-505	3.7	45
11	Ischaemic preconditioning improves proteasomal activity and increases the degradation of deltaPKC during reperfusion. *Cardiovascular Research*, **2010**, 85, 385-94	9.9	71

10	Aerobic exercise training improves skeletal muscle function and Ca2+ handling-related protein expression in sympathetic hyperactivity-induced heart failure. *Journal of Applied Physiology*, **2010**, 109, 702-9	3.7	48
9	Regulation of mitochondrial processes: a target for heart failure. *Drug Discovery Today Disease Mechanisms*, **2010**, 7, e95-e102		39
8	Sympathetic hyperactivity differentially affects skeletal muscle mass in developing heart failure: role of exercise training. *Journal of Applied Physiology*, **2009**, 106, 1631-40	3.7	69
7	Exercise training reduces cardiac angiotensin II levels and prevents cardiac dysfunction in a genetic model of sympathetic hyperactivity-induced heart failure in mice. *European Journal of Applied Physiology*, **2009**, 105, 843-50	3.4	49
6	Cardiac anti-remodelling effect of aerobic training is associated with a reduction in the calcineurin/NFAT signalling pathway in heart failure mice. *Journal of Physiology*, **2009**, 587, 3899-910	3.9	49
5	Protein kinase C in heart failure: a therapeutic target?. *Cardiovascular Research*, **2009**, 82, 229-39	9.9	142
4	Intracellular mechanisms of specific beta-adrenoceptor antagonists involved in improved cardiac function and survival in a genetic model of heart failure. *Journal of Molecular and Cellular Cardiology*, **2008**, 45, 240-9	5.8	39
3	The role of local and systemic renin angiotensin system activation in a genetic model of sympathetic hyperactivity-induced heart failure in mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 294, R26-32	3.2	44
2	Efeitos da suplementa de creatina no exerc io intermitente de alta intensidade: diverg ncias e recomenda s metodol gicas. *Revista Brasileira De Cineantropometria E Desempenho Humano*, **2008**, 10,	0.1	2
1	Maximal lactate steady state in running mice: effect of exercise training. *Clinical and Experimental Pharmacology and Physiology*, **2007**, 34, 760-5	3	188