Julio Cesar Batista Ferreira

List of Publications by Year
in descending order

84 papers	5,895 citations	101384 36 h-index	76769 74 g-index
88 all docs	88 docs citations	88 times ranked	8722 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td	4.3	1,430
2	Targeting Aldehyde Dehydrogenase 2: New Therapeutic Opportunities. Physiological Reviews, 2014, 94, 1-34.	13.1	465
3	Mitochondria as a Source of Reactive Oxygen and Nitrogen Species: From Molecular Mechanisms to Human Health. Antioxidants and Redox Signaling, 2013, 18, 2029-2074.	2.5	344
4	Acute Inhibition of Excessive Mitochondrial Fission After Myocardial Infarction Prevents Longâ€term Cardiac Dysfunction. Journal of the American Heart Association, 2013, 2, e000461.	1.6	266
5	MAXIMAL LACTATE STEADY STATE IN RUNNING MICE: EFFECT OF EXERCISE TRAINING. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 760-765.	0.9	249
6	Protein kinase C in heart failure: a therapeutic target?. Cardiovascular Research, 2008, 82, 229-239.	1.8	165
7	Targeting mitochondrial dysfunction and oxidative stress in heart failure: Challenges and opportunities. Free Radical Biology and Medicine, 2018, 129, 155-168.	1.3	146
8	pH-Gated Succinate Secretion Regulates Muscle Remodeling in Response to Exercise. Cell, 2020, 183, 62-75.e17.	13.5	129
9	Exercise Training Prevents Oxidative Stress and Ubiquitin-Proteasome System Overactivity and Reverse Skeletal Muscle Atrophy in Heart Failure. PLoS ONE, 2012, 7, e41701.	1.1	123
10	Aldehyde dehydrogenase 2 activation in heart failure restores mitochondrial function and improves ventricular function and remodelling. Cardiovascular Research, 2014, 103, 498-508.	1.8	114
11	A Personalized Medicine Approach for Asian Americans with the Aldehyde Dehydrogenase 2*2 Variant. Annual Review of Pharmacology and Toxicology, 2015, 55, 107-127.	4.2	112
12	Exercise reestablishes autophagic flux and mitochondrial quality control in heart failure. Autophagy, 2017, 13, 1304-1317.	4.3	110
13	Glyceraldehyde-3-phosphate Dehydrogenase (GAPDH) Phosphorylation by Protein Kinase CÎ´ (PKCÎ´) Inhibits Mitochondria Elimination by Lysosomal-like Structures following Ischemia and Reoxygenation-induced Injury. Journal of Biological Chemistry, 2013, 288, 18947-18960.	1.6	87
14	Ischaemic preconditioning improves proteasomal activity and increases the degradation of ÂPKC during reperfusion. Cardiovascular Research, 2010, 85, 385-394.	1.8	82
15	Creatine in Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2011, 43, 770-778.	0.2	79
16	ALDH2 Activator Inhibits Increased Myocardial Infarction Injury by Nitroglycerin Tolerance. Science Translational Medicine, 2011, 3, 107ra111.	5.8	73
17	Sympathetic hyperactivity differentially affects skeletal muscle mass in developing heart failure: role of exercise training. Journal of Applied Physiology, 2009, 106, 1631-1640.	1.2	71
18	A selective inhibitor of mitofusin 1-Î²IIPKC association improves heart failure outcome in rats. Nature Communications, 2019, 10, 329.	5.8	71

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19	Nitroglycerin Use in Myocardial Infarction Patients - Risks and Benefits -. Circulation Journal, 2012, 76, 15-21.	0.7	70
20	Î²IIPKC and ÎµPKC isozymes as potential pharmacological targets in cardiac hypertrophy and heart failure. Journal of Molecular and Cellular Cardiology, 2011, 51, 479-484.	0.9	68
21	Exercise Training Restores Cardiac Protein Quality Control in Heart Failure. PLoS ONE, 2012, 7, e52764.	1.1	64
22	Cardiac antiâ€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, 3899-3910.	1.3	59
23	Aerobic exercise training upregulates skeletal muscle calpain and ubiquitin-proteasome systems in healthy mice. Journal of Applied Physiology, 2012, 112, 1839-1846.	1.2	59
24	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.	1.2	55
25	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, 702-709.	1.2	55
26	Impact of exercise training on redox signaling in cardiovascular diseases. Food and Chemical Toxicology, 2013, 62, 107-119.	1.8	55
27	Regulation of mitochondrial processes: A target for heart failure. Drug Discovery Today Disease Mechanisms, 2010, 7, e95-e102.	0.8	54
28	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-R32.	0.9	51
29	Aerobic exercise training improves Ca²⁺ handling and redox status of skeletal muscle in mice. Experimental Biology and Medicine, 2010, 235, 497-505.	1.1	51
30	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, 129-138.	0.8	48
31	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, 827-835.	0.7	47
32	Exercise Training and Caloric Restriction Prevent Reduction in Cardiac Ca 2+ -Handling Protein Profile in Obese Rats. Hypertension, 2010, 56, 629-635.	1.3	46
33	Intracellular mechanisms of specific Î²-adrenoceptor antagonists involved in improved cardiac function and survival in a genetic model of heart failure. Journal of Molecular and Cellular Cardiology, 2008, 45, 240-249.	0.9	42
34	Protein Quality Control Disruption by PKCÎ²II in Heart Failure; Rescue by the Selective PKCÎ²II Inhibitor, Î²IIV5-3. PLoS ONE, 2012, 7, e33175.	1.1	40
35	Mitochondrial Quality Control in Cardiac Diseases. Frontiers in Physiology, 2016, 7, 479.	1.3	40
36	ALDH2 and Cardiovascular Disease. Advances in Experimental Medicine and Biology, 2019, 1193, 53-67.	0.8	40

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37	Mitochondrially-targeted treatment strategies. Molecular Aspects of Medicine, 2020, 71, 100836.	2.7	40
38	Novel and prevalent non-East Asian ALDH2 variants; Implications for global susceptibility to aldehydesâ€™ toxicity. EBioMedicine, 2020, 55, 102753.	2.7	40
39	Pharmacological inhibition of Î²IIPKC is cardioprotective in late-stage hypertrophy. Journal of Molecular and Cellular Cardiology, 2011, 51, 980-987.	0.9	38
40	Molecular Adaptations to Concurrent Training. International Journal of Sports Medicine, 2013, 34, 207-213.	0.8	36
41	Exercise training decreases NADPH oxidase activity and restores skeletal muscle mass in heart failure rats. Journal of Applied Physiology, 2017, 122, 817-827.	1.2	36
42	Cardioprotection induced by a brief exposure to acetaldehyde: role of aldehyde dehydrogenase 2. Cardiovascular Research, 2018, 114, 1006-1015.	1.8	36
43	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, 1-11.	1.9	33
44	Identification of εPKC Targets During Cardiac Ischemic Injury. Circulation Journal, 2012, 76, 1476-1485.	0.7	32
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, 13608-13621.	1.6	32
46	New therapeutics to modulate mitochondrial dynamics and mitophagy in cardiac diseases. Journal of Molecular Medicine, 2015, 93, 279-287.	1.7	31
47	Peripheral Sensitization Increases Opioid Receptor Expression and Activation by Crotalphine in Rats. PLoS ONE, 2014, 9, e90576.	1.1	30
48	Creatine-induced glucose uptake in type 2 diabetes: a role for AMPK-Î±?. Amino Acids, 2012, 43, 1803-1807.	1.2	29
49	Mild mitochondrial impairment enhances innate immunity and longevity through ATFSâ€1 and p38 signaling. EMBO Reports, 2021, 22, e52964.	2.0	28
50	PKCÎ²II 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, 1769-1777.	1.6	27
51	High fat diet reduces the expression of miRNAâ€29b in heart and increases susceptibility of myocardium to ischemia/reperfusion injury. Journal of Cellular Physiology, 2019, 234, 9399-9407.	2.0	25
52	Mitochondrial Fusion, Fission, and Mitophagy in Cardiac Diseases: Challenges and Therapeutic Opportunities. Antioxidants and Redox Signaling, 2022, 36, 844-863.	2.5	23
53	Exercise prevents impaired autophagy and proteostasis in a model of neurogenic myopathy. Scientific Reports, 2018, 8, 11818.	1.6	22
54	Treatment strategies for glucose-6-phosphate dehydrogenase deficiency: past and future perspectives. Trends in Pharmacological Sciences, 2021, 42, 829-844.	4.0	21

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55	Induced pluripotent stem cells reprogramming: Epigenetics and applications in the regenerative medicine. Revista Da AssociaÃ§Ã£o MÃ©dica Brasileira, 2017, 63, 180-189.	0.3	19
56	Endoplasmic reticulum stress impairs cardiomyocyte contractility through JNK-dependent upregulation of BNIP3. International Journal of Cardiology, 2018, 272, 194-201.	0.8	19
57	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, 243-245.	0.8	16
58	Regulation of cardiac excitability by protein kinase C isozymes. Frontiers in Bioscience - Scholar, 2012, S4, 532.	0.8	15
59	M-Protein Is Down-Regulated in Cardiac Hypertrophy Driven by Thyroid Hormone in Rats. Molecular Endocrinology, 2013, 27, 2055-2065.	3.7	15
60	Î²2-Adrenergic Signaling Modulates Mitochondrial Function and Morphology in Skeletal Muscle in Response to Aerobic Exercise. Cells, 2021, 10, 146.	1.8	15
61	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.	1.5	15
62	<i>In vivo</i> measurement of aldehyde dehydrogenaseâ€2 activity in rat liver ethanol model using dynamic MRSI of hyperpolarized [1â€¹³C]pyruvate. NMR in Biomedicine, 2013, 26, 607-612.	1.6	14
63	Mitophagy protects against statinâ€mediated skeletal muscle toxicity. FASEB Journal, 2019, 33, 11857-11869.	0.2	14
64	Disruption of mitochondrial quality control in peripheral artery disease: New therapeutic opportunities. Pharmacological Research, 2017, 115, 96-106.	3.1	13
65	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.	3.9	13
66	Cancerâ€induced muscle atrophy is determined by intrinsic muscle oxidative capacity. FASEB Journal, 2021, 35, e21714.	0.2	10
67	Mitochondrial Unfolded Protein Response (UPRmt) Activation in Cardiac Diseases. Journal of the American College of Cardiology, 2019, 74, 1011-1012.	1.2	9
68	Î² 2 â€adrenoceptor activation improves skeletal muscle autophagy in neurogenic myopathy. FASEB Journal, 2020, 34, 5628-5641.	0.2	9
69	Deletion of miRNA-22 Induces Cardiac Hypertrophy in Females but Attenuates Obesogenic Diet-Mediated Metabolic Disorders.. Cellular Physiology and Biochemistry, 2020, 54, 1199-1217.	1.1	7
70	Activation of PKCÎµ-ALDH2 Axis Prevents 4-HNE-Induced Pain in Mice. Biomolecules, 2021, 11, 1798.	1.8	7
71	Effect of FKBP12-Derived Intracellular Peptides on Rapamycin-Induced FKBPâ€“FRB Interaction and Autophagy. Cells, 2022, 11, 385.	1.8	7
72	Autophagy deficiency abolishes liver mitochondrial DNA segregation. Autophagy, 2022, 18, 2397-2408.	4.3	6

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73	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.	2.2	5
74	A Selective Inhibitor of Cardiac Troponin I Phosphorylation by Delta Protein Kinase C (Î´PKC) as a Treatment for Ischemia-Reperfusion Injury. Pharmaceuticals, 2022, 15, 271.	1.7	5
75	Thyrotoxicosis Involves Î²2-Adrenoceptor Signaling to Negatively Affect Microarchitecture and Biomechanical Properties of the Femur. Thyroid, 2019, 29, 1060-1072.	2.4	4
76	Mitochondrial Bioenergetics and Quality Control Mechanisms in Health and Disease. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-3.	1.9	4
77	Targeting Mitochondrial Fission-Fusion Imbalance in Heart Failure. Current Tissue Microenvironment Reports, 2020, 1, 239-247.	1.3	4
78	Efeitos da suplementaÃ§Ã£o de creatina no exercÃcio intermitente de alta intensidade: divergÃªncias e recomendaÃ§Ãµes metodolÃ³gicas. Revista Brasileira De Cineantropometria E Desempenho Humano, 2008, 10, .	0.5	3
79	Comment on: â€œAldehyde dehydrogenases contribute to skeletal muscle homeostasis in healthy, aging, and Duchenne muscular dystrophy patientsâ€•by Etienne et al.. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1858-1859.	2.9	2
80	Alcohol consumption and vascular disease: other points to consider. Lancet, The, 2019, 394, 1617-1618.	6.3	1
81	Mitochondrial Biogenesis and Dynamics in Health and Disease. , 2022, , 31-51.		1
82	Cardiac neurohumoral control during early and late stage of heart failure in Î±2A/Î±2c adrenoceptor KO mice. Journal of Molecular and Cellular Cardiology, 2007, 42, S145-S146.	0.9	0
83	Thyroid hormoneâ€induced cardioprotection is lost in AT2R null mice. FASEB Journal, 2015, 29, 1043.6.	0.2	0
84	Mitochondrial Dysfunction in Degenerative Diseases. Cells, 2022, 11, 1546.	1.8	0