

Jos F Magalhes

List of Publications by Citations

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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.

99
papers

3,093
citations

32
h-index

51
g-index

113
ext. papers

3,623
ext. citations

4.2
avg, IF

4.97
L-index

#	Paper	IF	Citations
99	Biochemical impact of a soccer match - analysis of oxidative stress and muscle damage markers throughout recovery. <i>Clinical Biochemistry</i> , 2008 , 41, 841-51	3.5	194
98	Acute and severe hypobaric hypoxia increases oxidative stress and impairs mitochondrial function in mouse skeletal muscle. <i>Journal of Applied Physiology</i> , 2005 , 99, 1247-53	3.7	132
97	Physical and physiological demands of elite team handball. <i>Journal of Strength and Conditioning Research</i> , 2012 , 26, 3365-75	3.2	127
96	Exercise-induced cardioprotection--biochemical, morphological and functional evidence in whole tissue and isolated mitochondria. <i>International Journal of Cardiology</i> , 2007 , 117, 16-30	3.2	119
95	Moderate endurance training prevents doxorubicin-induced in vivo mitochondriopathy and reduces the development of cardiac apoptosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H722-31	5.2	117
94	Effects of cold water immersion on the recovery of physical performance and muscle damage following a one-off soccer match. <i>Journal of Sports Sciences</i> , 2011 , 29, 217-25	3.6	112
93	Impact of Loughborough Intermittent Shuttle Test versus soccer match on physiological, biochemical and neuromuscular parameters. <i>European Journal of Applied Physiology</i> , 2010 , 108, 39-48	3.4	111
92	Physical exercise improves brain cortex and cerebellum mitochondrial bioenergetics and alters apoptotic, dynamic and auto(mito)phagy markers. <i>Neuroscience</i> , 2015 , 301, 480-95	3.9	92
91	Physical exercise as a possible strategy for brain protection: evidence from mitochondrial-mediated mechanisms. <i>Progress in Neurobiology</i> , 2012 , 99, 149-62	10.9	89
90	Endurance training attenuates doxorubicin-induced cardiac oxidative damage in mice. <i>International Journal of Cardiology</i> , 2005 , 100, 451-60	3.2	88
89	Acute exercise protects against calcium-induced cardiac mitochondrial permeability transition pore opening in doxorubicin-treated rats. <i>Clinical Science</i> , 2011 , 120, 37-49	6.5	72
88	Neuromuscular function, hormonal and redox status and muscle damage of professional soccer players after a high-level competitive match. <i>European Journal of Applied Physiology</i> , 2013 , 113, 2193-2014	3.4	69
87	Physical exercise prior and during treatment reduces sub-chronic doxorubicin-induced mitochondrial toxicity and oxidative stress. <i>Mitochondrion</i> , 2015 , 20, 22-33	4.9	64
86	Biochemical impact of soccer: an analysis of hormonal, muscle damage, and redox markers during the season. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014 , 39, 432-8	3	57
85	Physical Exercise and Brain Mitochondrial Fitness: The Possible Role Against Alzheimer's Disease. <i>Brain Pathology</i> , 2016 , 26, 648-63	6	52
84	Endurance training reverts heart mitochondrial dysfunction, permeability transition and apoptotic signaling in long-term severe hyperglycemia. <i>Mitochondrion</i> , 2011 , 11, 54-63	4.9	51
83	Physiological demands of elite team handball with special reference to playing position. <i>Journal of Strength and Conditioning Research</i> , 2014 , 28, 430-42	3.2	48

82	Effects of physical exercise on myokines expression and brown adipose-like phenotype modulation in rats fed a high-fat diet. <i>Life Sciences</i> , 2016 , 165, 100-108	6.8	45
81	Individual match playing time during the season affects fitness-related parameters of male professional soccer players. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 2729-39	3.2	42
80	Endurance training limits the functional alterations of rat heart mitochondria submitted to in vitro anoxia-reoxygenation. <i>International Journal of Cardiology</i> , 2006 , 109, 169-78	3.2	41
79	Training status and match activity of professional soccer players throughout a season. <i>Journal of Strength and Conditioning Research</i> , 2013 , 27, 20-30	3.2	40
78	Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus. <i>Sports Medicine</i> , 2008 , 38, 735-50	10.6	40
77	Exercise as a beneficial adjunct therapy during Doxorubicin treatment--role of mitochondria in cardioprotection. <i>International Journal of Cardiology</i> , 2012 , 156, 4-10	3.2	38
76	Oxidative stress in humans during and after 4 hours of hypoxia at a simulated altitude of 5500 m. <i>Aviation, Space, and Environmental Medicine</i> , 2004 , 75, 16-22		38
75	Skeletal muscle atrophy increases cell proliferation in mice gastrocnemius during the first week of hindlimb suspension. <i>European Journal of Applied Physiology</i> , 2006 , 97, 340-6	3.4	37
74	Exercise mitigates mitochondrial permeability transition pore and quality control mechanisms alterations in nonalcoholic steatohepatitis. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016 , 41, 298-306	3.0	36
73	Hemostatic response to acute physical exercise in healthy adolescents. <i>Journal of Science and Medicine in Sport</i> , 2007 , 10, 164-9	4.4	36
72	Xanthohumol and 8-prenylnaringenin ameliorate diabetic-related metabolic dysfunctions in mice. <i>Journal of Nutritional Biochemistry</i> , 2017 , 45, 39-47	6.3	34
71	Physical exercise prevents and mitigates non-alcoholic steatohepatitis-induced liver mitochondrial structural and bioenergetics impairments. <i>Mitochondrion</i> , 2014 , 15, 40-51	4.9	33
70	Physical exercise and liver "fitness": Role of mitochondrial function and epigenetics-related mechanisms in non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2020 , 32, 1-14	8.8	33
69	Back to the future: transgenerational transmission of xenobiotic-induced epigenetic remodeling. <i>Epigenetics</i> , 2015 , 10, 259-73	5.7	32
68	Physical exercise mitigates doxorubicin-induced brain cortex and cerebellum mitochondrial alterations and cellular quality control signaling. <i>Mitochondrion</i> , 2016 , 26, 43-57	4.9	32
67	Concentric quadriceps and hamstrings isokinetic strength in volleyball and soccer players. <i>Journal of Sports Medicine and Physical Fitness</i> , 2004 , 44, 119-25	1.4	32
66	Impact of physical exercise on visceral adipose tissue fatty acid profile and inflammation in response to a high-fat diet regimen. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 87, 114-124	5.6	31
65	Modulation of cardiac mitochondrial permeability transition and apoptotic signaling by endurance training and intermittent hypobaric hypoxia. <i>International Journal of Cardiology</i> , 2014 , 173, 40-5	3.2	31

64	Exercise modulates liver cellular and mitochondrial proteins related to quality control signaling. <i>Life Sciences</i> , 2015 , 135, 124-30	6.8	29
63	Mitochondrionopathy phenotype in doxorubicin-treated Wistar rats depends on treatment protocol and is cardiac-specific. <i>PLoS ONE</i> , 2012 , 7, e38867	3.7	28
62	Mitochondria as a target for exercise-induced cardioprotection. <i>Current Drug Targets</i> , 2011 , 12, 860-71	3	28
61	Indoor climbing elicits plasma oxidative stress. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 955-63	6.3	28
60	Analysis of fatigue development during elite male handball matches. <i>Journal of Strength and Conditioning Research</i> , 2014 , 28, 2640-8	3.2	27
59	Exercise and Doxorubicin Treatment Modulate Cardiac Mitochondrial Quality Control Signaling. <i>Cardiovascular Toxicology</i> , 2018 , 18, 43-55	3.4	25
58	Vitamin E prevents hypobaric hypoxia-induced mitochondrial dysfunction in skeletal muscle. <i>Clinical Science</i> , 2007 , 113, 459-66	6.5	25
57	Modulation of hepatic redox status and mitochondrial metabolism by exercise: therapeutic strategy for liver diseases. <i>Mitochondrion</i> , 2013 , 13, 862-70	4.9	24
56	Effect of a high-altitude expedition to a Himalayan peak (Pumori, 7,161 m) on plasma and erythrocyte antioxidant profile. <i>European Journal of Applied Physiology</i> , 2005 , 93, 726-32	3.4	24
55	Exercise-induced signs of muscle overuse in children. <i>International Journal of Sports Medicine</i> , 1999 , 20, 103-8	3.6	24
54	Exercise alters liver mitochondria phospholipidomic profile and mitochondrial activity in non-alcoholic steatohepatitis. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 54, 163-73	5.6	23
53	Synergistic impact of endurance training and intermittent hypobaric hypoxia on cardiac function and mitochondrial energetic and signaling. <i>International Journal of Cardiology</i> , 2013 , 168, 5363-71	3.2	23
52	Acute and severe hypobaric hypoxia-induced muscle oxidative stress in mice: the role of glutathione against oxidative damage. <i>European Journal of Applied Physiology</i> , 2004 , 91, 185-91	3.4	23
51	Disturbed cardiac mitochondrial and cytosolic calcium handling in a metabolic risk-related rat model of heart failure with preserved ejection fraction. <i>Acta Physiologica</i> , 2020 , 228, e13378	5.6	23
50	Endoplasmic Reticulum Stress Response in Non-alcoholic Steatohepatitis: The Possible Role of Physical Exercise. <i>Metabolism: Clinical and Experimental</i> , 2015 , 64, 780-92	12.7	22
49	Physical exercise remodels visceral adipose tissue and mitochondrial lipid metabolism in rats fed a high-fat diet. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017 , 44, 386-394	3	21
48	Effects of endurance training and acute Doxorubicin treatment on rat heart mitochondrial alterations induced by in vitro anoxia-reoxygenation. <i>Cardiovascular Toxicology</i> , 2006 , 6, 159-72	3.4	21
47	Cardiac mitochondrial respiratory function and oxidative stress: the role of exercise. <i>International Journal of Sports Medicine</i> , 2005 , 26, 258-67	3.6	21

46	Exercise mitigates diclofenac-induced liver mitochondrial dysfunction. <i>European Journal of Clinical Investigation</i> , 2014 , 44, 668-77	4.6	20
45	Relevance of a Hypersaline Sodium-Rich Naturally Sparkling Mineral Water to the Protection against Metabolic Syndrome Induction in Fructose-Fed Sprague-Dawley Rats: A Biochemical, Metabolic, and Redox Approach. <i>International Journal of Endocrinology</i> , 2014 , 2014, 384583	2.7	20
44	Effect of off-road competitive motocross race on plasma oxidative stress and damage markers. <i>British Journal of Sports Medicine</i> , 2007 , 41, 101-5	10.3	20
43	The beneficial role of exercise in mitigating doxorubicin-induced Mitochondrionopathy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018 , 1869, 189-199	11.2	19
42	Exercise as a therapeutic tool to prevent mitochondrial degeneration in nonalcoholic steatohepatitis. <i>European Journal of Clinical Investigation</i> , 2013 , 43, 1184-94	4.6	19
41	Elite futsal refereeing: activity profile and physiological demands. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 980-7	3.2	18
40	Strenuous exercise aggravates MDMA-induced skeletal muscle damage in mice. <i>Toxicology</i> , 2005 , 206, 349-58	4.4	16
39	Acute and chronic exposition of mice to severe hypoxia: the role of acclimatization against skeletal muscle oxidative stress. <i>International Journal of Sports Medicine</i> , 2005 , 26, 102-9	3.6	15
38	Endurance training and chronic intermittent hypoxia modulate in vitro salicylate-induced hepatic mitochondrial dysfunction. <i>Mitochondrion</i> , 2012 , 12, 607-16	4.9	14
37	Multicomponent exercise program improves blood lipid profile and antioxidant capacity in older women. <i>Archives of Gerontology and Geriatrics</i> , 2010 , 51, 1-5	4	14
36	Physical exercise antagonizes clinical and anatomical features characterizing Lieber-DeCarli diet-induced obesity and related metabolic disorders. <i>Clinical Nutrition</i> , 2015 , 34, 241-7	5.9	13
35	Eccentric exercise transiently affects mice skeletal muscle mitochondrial function. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 401-9	3	13
34	Maximal heart rate assessment in recreational football players: A study involving a multiple testing approach. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019 , 29, 1537-1545	4.6	12
33	Endurance training improves gastrocnemius mitochondrial function despite increased susceptibility to permeability transition. <i>Mitochondrion</i> , 2009 , 9, 454-62	4.9	12
32	Preventive and Therapeutic Potential of Physical Exercise in Neurodegenerative Diseases. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 674-693	8.4	12
31	Intermittent hypobaric hypoxia combined with aerobic exercise improves muscle morphofunctional recovery after eccentric exercise to exhaustion in trained rats. <i>Journal of Applied Physiology</i> , 2017 , 122, 580-592	3.7	11
30	Effects of endurance training on autophagy and apoptotic signaling in visceral adipose tissue of prolonged high fat diet-fed rats. <i>European Journal of Nutrition</i> , 2018 , 57, 2237-2247	5.2	10
29	Role of physical exercise on hepatic insulin, glucocorticoid and inflammatory signaling pathways in an animal model of non-alcoholic steatohepatitis. <i>Life Sciences</i> , 2015 , 123, 51-60	6.8	10

28	Modulation of mitochondrial biomarkers by intermittent hypobaric hypoxia and aerobic exercise after eccentric exercise in trained rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017 , 42, 683-693	3	9
27	Physical exercise positively modulates DOX-induced hepatic oxidative stress, mitochondrial dysfunction and quality control signaling. <i>Mitochondrion</i> , 2019 , 47, 103-113	4.9	9
26	Physical exercise mitigates high-fat diet-induced adiposopathy and related endocrine alterations in an animal model of obesity. <i>Journal of Physiology and Biochemistry</i> , 2018 , 74, 235-246	5	9
25	Can exercise training counteract doxorubicin-induced oxidative damage of testis proteome?. <i>Toxicology Letters</i> , 2017 , 280, 57-69	4.4	9
24	Natural mineral-rich water ingestion improves hepatic and fat glucocorticoid-signaling and increases sirtuin 1 in an animal model of metabolic syndrome. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2015 , 21, 149-57	1.3	8
23	In vitro salicylate does not further impair aging-induced brain mitochondrial dysfunction. <i>Toxicology</i> , 2012 , 302, 51-9	4.4	8
22	A semiquantitative scoring tool to evaluate eccentric exercise-induced muscle damage in trained rats. <i>European Journal of Histochemistry</i> , 2015 , 59, 2544	2.1	7
21	Self-Paced Free-Running Wheel Mimics High-Intensity Interval Training Impact on Rats' Functional, Physiological, Biochemical, and Morphological Features. <i>Frontiers in Physiology</i> , 2019 , 10, 593	4.6	6
20	Additive Effects of Intermittent Hypobaric Hypoxia and Endurance Training on Bodyweight, Food Intake, and Oxygen Consumption in Rats. <i>High Altitude Medicine and Biology</i> , 2018 , 19, 278-285	1.9	6
19	Combined effects of aging and in vitro non-steroid anti-inflammatory drugs on kidney and liver mitochondrial physiology. <i>Life Sciences</i> , 2013 , 93, 329-37	6.8	6
18	Maternal high-fat high-sucrose diet and gestational exercise modulate hepatic fat accumulation and liver mitochondrial respiratory capacity in mothers and male offspring. <i>Metabolism: Clinical and Experimental</i> , 2021 , 116, 154704	12.7	6
17	Natural mineral-rich water ingestion by ovariectomized fructose-fed Sprague-Dawley rats: effects on sirtuin 1 and glucocorticoid signaling pathways. <i>Menopause</i> , 2017 , 24, 563-573	2.5	5
16	Early Cardiac Mitochondrial Molecular and Functional Responses to Acute Anthracycline Treatment in Wistar Rats. <i>Toxicological Sciences</i> , 2019 , 169, 137-150	4.4	5
15	Long-term hyperglycaemia decreases gastrocnemius susceptibility to permeability transition. <i>European Journal of Clinical Investigation</i> , 2010 , 40, 319-29	4.6	4
14	Physical exercise mitigates behavioral impairments in a rat model of sporadic Alzheimer's disease. <i>Behavioural Brain Research</i> , 2020 , 379, 112358	3.4	4
13	Mitochondrial Reversible Changes Determine Diastolic Function Adaptations During Myocardial (Reverse) Remodeling. <i>Circulation: Heart Failure</i> , 2020 , 13, e006170	7.6	4
12	Effects of a 16-week recreational team handball intervention on aerobic performance and cardiometabolic fitness markers in postmenopausal women: A randomized controlled trial. <i>Progress in Cardiovascular Diseases</i> , 2020 , 63, 800-806	8.5	4
11	Effects of recreational team handball on bone health, postural balance and body composition in inactive postmenopausal women - A randomised controlled trial. <i>Bone</i> , 2021 , 145, 115847	4.7	4

10	Physiological and neuromuscular impact of beach-volleyball with reference to fatigue and recovery. <i>Journal of Sports Medicine and Physical Fitness</i> , 2011 , 51, 66-73	1.4	4
9	D-amphetamine-induced hydrogen peroxide production in skeletal muscle is modulated by monoamine oxidase inhibition. <i>International Journal of Sports Medicine</i> , 2004 , 25, 446-9	3.6	3
8	Targeting Mitochondria with Sweat: Improving Mitochondrial Function with Physical Activity 2018 , 379-406		2
7	Divergent cytokine response following maximum progressive swimming in hot water. <i>Cell Biochemistry and Function</i> , 2011 , 29, 610-6	4.2	2
6	Exercise, Liver Steatosis, and Free Radicals 2017 , 309-322		1
5	Exercise-Induced Protection Against Aging and Neurodegenerative Diseases 2015 , 309-321		1
4	A field tool for the aerobic power evaluation of middle-aged female recreational runners. <i>Women and Health</i> , 2020 , 60, 839-848	1.7	0
3	Acute CrossFit [®] Workout Session Impacts Blood Redox Marker Modulation 2021 , 1, 13-21		0
2	Building-up fit muscles for the future: Transgenerational programming of skeletal muscle through physical exercise. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13515	4.6	0
1	Fit mothers for a healthy future: Breaking the intergenerational cycle of non-alcoholic fatty liver disease with maternal exercise. <i>European Journal of Clinical Investigation</i> , 2021 , e13596	4.6	0