

AntonÃ- o Amr AscensÃ£o

List of Publications by Year in descending order

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88
papers

3,407
citations

136950

32
h-index

149698

56
g-index

90
all docs

90
docs citations

90
times ranked

4417
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical impact of a soccer match – analysis of oxidative stress and muscle damage markers throughout recovery. <i>Clinical Biochemistry</i> , 2008, 41, 841-851.	1.9	233
2	Physical and Physiological Demands of Elite Team Handball. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 3365-3375.	2.1	183
3	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, 217-225.	2.0	160
4	Acute and severe hypobaric hypoxia increases oxidative stress and impairs mitochondrial function in mouse skeletal muscle. <i>Journal of Applied Physiology</i> , 2005, 99, 1247-1253.	2.5	158
5	Exercise-induced cardioprotection – biochemical, morphological and functional evidence in whole tissue and isolated mitochondria. <i>International Journal of Cardiology</i> , 2007, 117, 16-30.	1.7	130
6	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.	2.5	130
7	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-H731.	3.2	127
8	Physical exercise as a possible strategy for brain protection: Evidence from mitochondrial-mediated mechanisms. <i>Progress in Neurobiology</i> , 2012, 99, 149-162.	5.7	103
9	Endurance training attenuates doxorubicin-induced cardiac oxidative damage in mice. <i>International Journal of Cardiology</i> , 2005, 100, 451-460.	1.7	102
10	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, 2193-2201.	2.5	91
11	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, 432-438.	1.9	86
12	Acute exercise protects against calcium-induced cardiac mitochondrial permeability transition pore opening in doxorubicin-treated rats. <i>Clinical Science</i> , 2011, 120, 37-49.	4.3	82
13	Physical exercise prior and during treatment reduces sub-chronic doxorubicin-induced mitochondrial toxicity and oxidative stress. <i>Mitochondrion</i> , 2015, 20, 22-33.	3.4	79
14	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, 2729-2739.	2.1	75
15	Physiological Demands of Elite Team Handball With Special Reference to Playing Position. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 430-442.	2.1	67
16	Training Status and Match Activity of Professional Soccer Players Throughout a Season. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 20-30.	2.1	60
17	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.	4.3	60
18	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.	1.9	59

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19	Endurance training reverts heart mitochondrial dysfunction, permeability transition and apoptotic signaling in long-term severe hyperglycemia. <i>Mitochondrion</i> , 2011, 11, 54-63.	3.4	57
20	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.	6.5	55
21	Physical exercise prevents and mitigates non-alcoholic steatohepatitis-induced liver mitochondrial structural and bioenergetics impairments. <i>Mitochondrion</i> , 2014, 15, 40-51.	3.4	48
22	Beneficial Effects of Exercise on Muscle Mitochondrial Function in Diabetes Mellitus. <i>Sports Medicine</i> , 2008, 38, 735-750.	6.5	46
23	Exercise as a beneficial adjunct therapy during Doxorubicin treatment"Role of mitochondria in cardioprotection. <i>International Journal of Cardiology</i> , 2012, 156, 4-10.	1.7	46
24	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.	2.8	45
25	Endurance training limits the functional alterations of heart rat mitochondria submitted to in vitro anoxia-reoxygenation. <i>International Journal of Cardiology</i> , 2006, 109, 169-178.	1.7	44
26	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, 340-346.	2.5	43
27	Analysis of Fatigue Development During Elite Male Handball Matches. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 2640-2648.	2.1	42
28	Exercise alters liver mitochondria phospholipidomic profile and mitochondrial activity in non-alcoholic steatohepatitis. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 54, 163-173.	2.8	39
29	Hemostatic response to acute physical exercise in healthy adolescents. <i>Journal of Science and Medicine in Sport</i> , 2007, 10, 164-169.	1.3	38
30	Elite Futsal Refereeing: Activity Profile and Physiological Demands. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 980-987.	2.1	33
31	Back to the future: transgenerational transmission of xenobiotic-induced epigenetic remodeling. <i>Epigenetics</i> , 2015, 10, 259-273.	2.7	33
32	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, 5363-5371.	1.7	32
33	Modulation of cardiac mitochondrial permeability transition and apoptotic signaling by endurance training and intermittent hypobaric hypoxia. <i>International Journal of Cardiology</i> , 2014, 173, 40-45.	1.7	32
34	Mitochondrionopathy Phenotype in Doxorubicin-Treated Wistar Rats Depends on Treatment Protocol and Is Cardiac-Specific. <i>PLoS ONE</i> , 2012, 7, e38867.	2.5	31
35	Mitochondria as a Target for Exercise-Induced Cardioprotection. <i>Current Drug Targets</i> , 2011, 12, 860-871.	2.1	30
36	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, 185-191.	2.5	29

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37	Indoor Climbing Elicits Plasma Oxidative Stress. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 955-963.	0.4	29
38	Endoplasmic Reticulum Stress Response in Non-alcoholic Steatohepatitis: The Possible Role of Physical Exercise. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 780-792.	3.4	29
39	Effect of a high-altitude expedition to a Himalayan peak (Pumori, 7,161m) on plasma and erythrocyte antioxidant profile. <i>European Journal of Applied Physiology</i> , 2005, 93, 726-732.	2.5	28
40	Vitamin E prevents hypobaric hypoxia-induced mitochondrial dysfunction in skeletal muscle. <i>Clinical Science</i> , 2007, 113, 459-466.	4.3	28
41	Exercise as a therapeutic tool to prevent mitochondrial degeneration in nonalcoholic steatohepatitis. <i>European Journal of Clinical Investigation</i> , 2013, 43, 1184-1194.	3.4	28
42	Preventive and Therapeutic Potential of Physical Exercise in Neurodegenerative Diseases. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 674-693.	5.4	28
43	Modulation of hepatic redox status and mitochondrial metabolism by exercise: Therapeutic strategy for liver diseases. <i>Mitochondrion</i> , 2013, 13, 862-870.	3.4	27
44	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, 1-17.	1.5	27
45	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.	1.9	27
46	Effect of off-road competitive motocross race on plasma oxidative stress and damage markers. <i>British Journal of Sports Medicine</i> , 2007, 41, 101-105.	6.7	25
47	Multicomponent exercise program improves blood lipid profile and antioxidant capacity in older women. <i>Archives of Gerontology and Geriatrics</i> , 2010, 51, 1-5.	3.0	25
48	Cardiac Mitochondrial Respiratory Function and Oxidative Stress: The Role of Exercise. <i>International Journal of Sports Medicine</i> , 2005, 26, 258-267.	1.7	24
49	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, 159-172.	2.7	23
50	Exercise mitigates diclofenac-induced liver mitochondrial dysfunction. <i>European Journal of Clinical Investigation</i> , 2014, 44, 668-677.	3.4	23
51	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.	3.4	22
52	Physical exercise antagonizes clinical and anatomical features characterizing Lieber-DeCarli diet-induced obesity and related metabolic disorders. <i>Clinical Nutrition</i> , 2015, 34, 241-247.	5.0	20
53	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, 102-109.	1.7	19
54	Endurance training and chronic intermittent hypoxia modulate in vitro salicylate-induced hepatic mitochondrial dysfunction. <i>Mitochondrion</i> , 2012, 12, 607-616.	3.4	19

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55	Eccentric exercise transiently affects mice skeletal muscle mitochondrial function. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 401-409.	1.9	19
56	Strenuous exercise aggravates MDMA-induced skeletal muscle damage in mice. <i>Toxicology</i> , 2005, 206, 349-358.	4.2	18
57	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.	3.0	17
58	Exercise and cardiac oxidative stress. <i>Revista Portuguesa De Cardiologia</i> , 2003, 22, 651-78.	0.5	16
59	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.	3.9	15
60	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.	1.9	14
61	Physical exercise positively modulates DOX-induced hepatic oxidative stress, mitochondrial dysfunction and quality control signaling. <i>Mitochondrion</i> , 2019, 47, 103-113.	3.4	13
62	Endurance training improves gastrocnemius mitochondrial function despite increased susceptibility to permeability transition. <i>Mitochondrion</i> , 2009, 9, 454-462.	3.4	12
63	Can exercise training counteract doxorubicin-induced oxidative damage of testis proteome?. <i>Toxicology Letters</i> , 2017, 280, 57-69.	0.8	11
64	Mitochondria in Health and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-1.	4.0	10
65	A semiquantitative scoring tool to evaluate eccentric exercise-induced muscle damage in trained rats. <i>European Journal of Histochemistry</i> , 2015, 59, 2544.	1.5	10
66	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, 149-157.	0.7	10
67	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.	2.8	10
68	Physical exercise mitigates behavioral impairments in a rat model of sporadic Alzheimer's™ disease. <i>Behavioural Brain Research</i> , 2020, 379, 112358.	2.2	10
69	Early Cardiac Mitochondrial Molecular and Functional Responses to Acute Anthracycline Treatment in Wistar Rats. <i>Toxicological Sciences</i> , 2019, 169, 137-150.	3.1	9
70	In vitro salicylate does not further impair aging-induced brain mitochondrial dysfunction. <i>Toxicology</i> , 2012, 302, 51-59.	4.2	8
71	Combined effects of aging and in vitro non-steroid anti-inflammatory drugs on kidney and liver mitochondrial physiology. <i>Life Sciences</i> , 2013, 93, 329-337.	4.3	8
72	Technical match actions and plasma stress markers in elite female football players during an official FIFA Tournament. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022, 32, 127-139.	2.9	8

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73	Molecular Mechanisms of NAFLD in Metabolic Syndrome. BioMed Research International, 2015, 2015, 1-2.	1.9	5
74	Long-term hyperglycaemia decreases gastrocnemius susceptibility to permeability transition. European Journal of Clinical Investigation, 2010, 40, 319-329.	3.4	4
75	Targeting Mitochondria with Sweat: Improving Mitochondrial Function with Physical Activity. , 2018, , 379-406.		4
76	Building up fit muscles for the future. European Journal of Clinical Investigation, 2021, 51, e13515.	3.4	4
77	Acute CrossFit® Workout Session Impacts Blood Redox Marker Modulation. Physiologia, 2021, 1, 13-21.	2.2	4
78	Physical exercise positively modulates nonalcoholic steatohepatitis-related hepatic endoplasmic reticulum stress. Journal of Cellular Biochemistry, 2022, 123, 1647-1662.	2.6	3
79	Fit mothers for a healthy future. European Journal of Clinical Investigation, 2022, 52, e13596.	3.4	2
80	Gestational Exercise Increases Male Offspring's Maximal Workload Capacity Early in Life. International Journal of Molecular Sciences, 2022, 23, 3916.	4.1	1
81	Impact Of Elite Team Handball Game On Blood And Plasma Metabolic Markers. Medicine and Science in Sports and Exercise, 2011, 43, 860.	0.4	0
82	Intermittent Hypoxia Increases Mitochondrial Dynamics and Biogenesis After Eccentric Exercise-Induced Muscle Damage in Trained Rats. Medicine and Science in Sports and Exercise, 2016, 48, 899-900.	0.4	0
83	The Effect Of Exercise In Gastrocnemius Muscle Alterations-induced By Obesity. Medicine and Science in Sports and Exercise, 2016, 48, 544-545.	0.4	0
84	Exercise-induced FNDC5/Irisin Activation Drives Brown-like Adipocyte Phenotype in Visceral Adipose Tissue from Obese Rats. Medicine and Science in Sports and Exercise, 2016, 48, 543.	0.4	0
85	Endurance Training and Voluntary Physical Activity Mitigate Diclofenac-Induced Liver Mitochondrial Dysfunction. Medicine and Science in Sports and Exercise, 2014, 46, 737.	0.4	0
86	Exercise Positively Modulates Mitochondrial Permeability Transition and Apoptotic and Autophagic Signaling in Non-Alcoholic Steatohepatitis (NASH). Medicine and Science in Sports and Exercise, 2014, 46, 634.	0.4	0
87	Chronic Intermittent Hypoxia Alters Hepatic Markers Of Mitochondrial Dynamics And Autophagy Signaling. Medicine and Science in Sports and Exercise, 2016, 48, 575.	0.4	0
88	Effects Of Physical Exercise On The Modulation Of Aquaglyceroporin 7 From Visceral Adipose Tissue. Medicine and Science in Sports and Exercise, 2017, 49, 986-987.	0.4	0