AntÃ´nio J Natali

List of Publications by Year
in descending order

112 papers	1,574 citations	331538 21 h-index	377752 34 g-index
114 all docs	114 docs citations	114 times ranked	2517 citing authors

#	Article	IF	Citations
1	Different regional effects of voluntary exercise on the mechanical and electrical properties of rat ventricular myocytes. Journal of Physiology, 2002, 541, 863-875.	1.3	106
2	Heart Rate Monitoring in Soccer. Journal of Strength and Conditioning Research, 2012, 26, 2890-2906.	1.0	95
3	Exercise Intensity and Technical Demands of Small-Sided Games in Young Brazilian Soccer Players: Effect of Number of Players, Maturation, and Reliability. Journal of Strength and Conditioning Research, 2011, 25, 2746-2751.	1.0	67
4	Red but not white meat consumption is associated with metabolic syndrome, insulin resistance and lipid peroxidation in Brazilian middle-aged men. European Journal of Preventive Cardiology, 2015, 22, 223-230.	0.8	56
5	The benefits of endurance training in cardiomyocyte function in hypertensive rats are reversed within four weeks of detraining. Journal of Molecular and Cellular Cardiology, 2013, 57, 119-128.	0.9	51
6	Changes in cellular contractility and cytokines profile during Trypanosoma cruzi infection in mice. Basic Research in Cardiology, 2009, 104, 238-246.	2.5	47
7	Resistance Training Regulates Cardiac Function through Modulation of miRNA-214. International Journal of Molecular Sciences, 2015, 16, 6855-6867.	1.8	46
8	Trypanosoma cruzi infection induces morphological reorganization of the myocardium parenchyma and stroma, and modifies the mechanical properties of atrial and ventricular cardiomyocytes in rats. Cardiovascular Pathology, 2013, 22, 270-279.	0.7	45
9	Carotenoid consumption is related to lower lipid oxidation and DNA damage in middle-aged men. British Journal of Nutrition, 2015, 114, 257-264.	1.2	42
10	Pre-game hydration status, sweat loss, and fluid intake in elite Brazilian young male soccer players during competition. Journal of Sports Sciences, 2012, 30, 37-42.	1.0	41
11	Fruit and vegetable intake and related nutrients are associated with oxidative stress markers in middle-aged men. Nutrition, 2014, 30, 660-665.	1.1	41
12	Regional effects of voluntary exercise on cell size and contraction-frequency responses in rat cardiac myocytes. Journal of Experimental Biology, 2001, 204, 1191-9.	0.8	37
13	Exercise capacity is related to calcium transients in ventricular cardiomyocytes. Journal of Applied Physiology, 2009, 107, 593-598.	1.2	35
14	Fluid balance of elite Brazilian youth soccer players during consecutive days of training. Journal of Sports Sciences, 2011, 29, 725-732.	1.0	34
15	Enalapril in Combination with Benznidazole Reduces Cardiac Inflammation and Creatine Kinases in Mice Chronically Infected with Trypanosoma cruzi. American Journal of Tropical Medicine and Hygiene, 2015, 93, 976-982.	0.6	31
16	Modulation of inflammatory and oxidative status by exercise attenuates cardiac morphofunctional remodeling in experimental Chagas cardiomyopathy. Life Sciences, 2016, 152, 210-219.	2.0	26
17	Exercise training prior to myocardial infarction attenuates cardiac deterioration and cardiomyocyte dysfunction in rats. Clinics, 2013, 68, 549-556.	0.6	24
18	Aerobic exercise and not a diet supplemented with jussara aÃ§aÃ-(Euterpe edulisMartius) alters hepatic oxidative and inflammatory biomarkers in ApoE-deficient mice. British Journal of Nutrition, 2014, 112, 285-294.	1.2	24

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19	Voluntary exercise delays heart failure onset in rats with pulmonary artery hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H421-H424.	1.5	24
20	Effects of Trypanosoma cruzi infection on myocardial morphology, single cardiomyocyte contractile function and exercise tolerance in rats. International Journal of Experimental Pathology, 2011, 92, 299-307.	0.6	23
21	Consumption of branched-chain amino acids is inversely associated with central obesity and cardiometabolic features in a population of Brazilian middle-aged men: Potential role of leucine intake. Journal of Nutrition, Health and Aging, 2015, 19, 771-777.	1.5	23
22	Acute paraquat exposure determines doseâ€dependent oxidative injury of multiple organs and metabolic dysfunction in rats: impact on exercise tolerance. International Journal of Experimental Pathology, 2016, 97, 114-124.	0.6	23
23	Benefits and relationship of steps walked per day to cardiometabolic risk factor in Brazilian middle-aged men. Journal of Science and Medicine in Sport, 2014, 17, 283-287.	0.6	22
24	Regional effects of low-intensity endurance training on structural and mechanical properties of rat ventricular myocytes. Journal of Applied Physiology, 2013, 115, 107-115.	1.2	21
25	Brain Temperature in Spontaneously Hypertensive Rats during Physical Exercise in Temperate and Warm Environments. PLoS ONE, 2016, 11, e0155919.	1.1	21
26	Long-term aerobic swimming training by rats reduces the number of aberrant crypt foci in 1,2-dimethylhydrazine-induced colon cancer. Brazilian Journal of Medical and Biological Research, 2008, 41, 1000-1004.	0.7	20
27	Treinamento fÃsico para indivÃduos HIV positivo submetidos Ã HAART: efeitos sobre parÃ¢metros antropomÃ©tricos e funcionais. Revista Brasileira De Medicina Do Esporte, 2013, 19, 16-21.	0.1	20
28	Parasite control and skeletal myositis in Trypanosoma cruzi-infected and exercised rats. Acta Tropica, 2017, 170, 8-15.	0.9	20
29	Exercise training and detraining modify the morphological and mechanical properties of single cardiac myocytes obtained from spontaneously hypertensive rats. Brazilian Journal of Medical and Biological Research, 2010, 43, 1042-1046.	0.7	19
30	Swimming training attenuates the morphological reorganization of the myocardium and local inflammation in the left ventricle of growing rats with untreated experimental diabetes. Pathology Research and Practice, 2016, 212, 325-334.	1.0	18
31	Waist circumference measures: cutoff analyses to detect obesity and cardiometabolic risk factors in a Southeast Brazilian middle-aged men population - a cross-sectional study. Lipids in Health and Disease, 2014, 13, 141.	1.2	17
32	Attenuation of Ca²⁺ homeostasis, oxidative stress, and mitochondrial dysfunctions in diabetic rat heart: insulin therapy or aerobic exercise?. Journal of Applied Physiology, 2015, 119, 148-156.	1.2	17
33	Physical Exercise and Regulation of Intracellular Calcium in Cardiomyocytes of Hypertensive Rats. Arquivos Brasileiros De Cardiologia, 2018, 111, 172-179.	0.3	16
34	Ventricular remodeling in growing rats with experimental diabetes: The impact of swimming training. Pathology Research and Practice, 2013, 209, 618-626.	1.0	15
35	Temperature Control of Hypertensive Rats during Moderate Exercise in Warm Environment. Journal of Sports Science and Medicine, 2014, 13, 695-701.	0.7	15
36	Effect of exercise training on Ca2+ release units of left ventricular myocytes of spontaneously hypertensive rats. Brazilian Journal of Medical and Biological Research, 2014, 47, 960-965.	0.7	14

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37	Investigation of the cardiomyocyte dysfunction in bradykinin type 2 receptor knockout mice. Life Sciences, 2010, 87, 715-723.	2.0	13
38	Treinamento em nataÃ§Ã£o atenua a disfuÃ§Ã£o contrÃ¡til de cardiomiÃ³citos de ratos diabÃ©ticos. Arquivos Brasileiros De Cardiologia, 2011, 97, 33-39.	0.3	13
39	Improvements of Atherosclerosis and Hepatic Oxidative Stress are Independent of Exercise Intensity in LDLr^{-/-} Mice. Journal of Atherosclerosis and Thrombosis, 2012, 19, 904-911.	0.9	13
40	Mesenchymal stem cell therapy associated with endurance exercise training: Effects on the structural and functional remodeling of infarcted rat hearts. Journal of Molecular and Cellular Cardiology, 2016, 90, 111-119.	0.9	13
41	Evidence for an extensive collagen type III proximal domain in the rat femur. Bone, 2003, 32, 660-668.	1.4	12
42	Chronic exercise partially restores the transmural heterogeneity of action potential duration in left ventricular myocytes of spontaneous hypertensive rats. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 155-157.	0.9	12
43	Impaired cellular contractile function in thiamineâ€deficient rat cardiomyocytes. European Journal of Heart Failure, 2009, 11, 1126-1128.	2.9	11
44	Yo-Yo IR2 test e teste de margaria: validade, confiabilidade e obtenÃ§Ã£o da frequÃªncia cardÃaca mÃ¡xima em jogadores jovens de futebol. Revista Brasileira De Medicina Do Esporte, 2011, 17, 344-349.	0.1	11
45	The effects of a high dosage of creatine and caffeine supplementation on the lean body mass composition of rats submitted to vertical jumping training. Journal of the International Society of Sports Nutrition, 2011, 8, 3.	1.7	11
46	Uso de fluorescÃªncia em um mÃ©todo de dissector modificado para estimar o nÃºmero de miÃ³citos no tecido cardÃaco. Arquivos Brasileiros De Cardiologia, 2012, 98, 252-258.	0.3	11
47	Protein Restriction after Weaning Modifies the Calcium Kinetics and Induces Cardiomyocyte Contractile Dysfunction in Rats. Cells Tissues Organs, 2013, 198, 311-317.	1.3	11
48	Voluntary running counteracts right ventricular adverse remodeling and myocyte contraction impairment in pulmonary arterial hypertension model. Life Sciences, 2019, 238, 116974.	2.0	11
49	Swim training attenuates the adverse remodeling of LV structural and mechanical properties in the early compensated phase of hypertension. Life Sciences, 2017, 187, 42-49.	2.0	10
50	Exercise training and pulmonary arterial hypertension: A review of the cardiac benefits. Science and Sports, 2018, 33, 197-206.	0.2	9
51	Does aerobic exercise associated with tryptophan supplementation attenuates hyperalgesia and inflammation in female rats with experimental fibromyalgia?. PLoS ONE, 2019, 14, e0211824.	1.1	9
52	Imunoglobulina A salivar (IgA-s) e exercÃcio: relevÃ¢ncia do controle em atletas e implicaÃ§Ãµes metodolÃ³gicas. Revista Brasileira De Medicina Do Esporte, 2009, 15, 459-466.	0.1	9
53	Anabolic steroid- and exercise-induced cardiac stress protein (HSP72) in the rat. Brazilian Journal of Medical and Biological Research, 2006, 39, 889-893.	0.7	8
54	Efeito ergogÃªnico de uma bebida esportiva cafeinada sobre a performance em testes de habilidades especÃficas do futebol. Revista Brasileira De Medicina Do Esporte, 2009, 15, 450-454.	0.1	8

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55	Cardiovascular and eletrocardiographic parameters after tonin administration in Wistar rats. Regulatory Peptides, 2013, 181, 30-36.	1.9	8
56	Spontaneously hypertensive rats have greater impairments in regulating abdominal temperature than brain cortex temperature following physical exercise. Journal of Thermal Biology, 2019, 83, 30-36.	1.1	8
57	Effects of aerobic exercise on the inflammatory cytokine profile and expression of lipolytic and thermogenic genes in Î²1-ARâˆ’/âˆ’ mice adipose tissue. Life Sciences, 2019, 221, 224-232.	2.0	8
58	Effects of physical exercise on skeletal muscles of rats with cerebral ischemia. Brazilian Journal of Medical and Biological Research, 2019, 52, e8576.	0.7	8
59	The impact of serum uric acid on the diagnostic of metabolic syndrome in apparently healthy brazilian middle-aged men. Nutricion Hospitalaria, 2014, 30, 562-9.	0.2	8
60	NÃveis distintos de Hsp72 no miocÃ¡rdio de ratas em resposta aos exercÃcios voluntÃ¡rio e forÃ§ado. Arquivos Brasileiros De Cardiologia, 2009, 93, 456-462.	0.3	7
61	Effects of exercise training and stem cell therapy on the left ventricle of infarcted rats. Revista Portuguesa De Cardiologia, 2019, 38, 649-656.	0.2	7
62	Continuous Aerobic Exercise Prevents Detrimental Remodeling and Right Heart Myocyte Contraction and Calcium Cycling Dysfunction in Pulmonary Artery Hypertension. Journal of Cardiovascular Pharmacology, 2021, 77, 69-78.	0.8	7
63	InfluÃªncia da suplementaÃ§Ã£o de carboidrato na funÃ§Ã£o imune de judocas durante o treinamento. Revista Brasileira De Medicina Do Esporte, 2009, 15, 58-61.	0.1	6
64	Concomitant exercise training attenuates the cardioprotective effects of pharmacological therapy in a murine model of acute infectious myocarditis. Life Sciences, 2019, 230, 141-149.	2.0	6
65	Effects of aerobic exercise training and aÃ§ai supplementation on cardiac structure and function in rats submitted to a high-fat diet. Food Research International, 2021, 141, 110168.	2.9	6
66	A influÃªncia da intensidade do exercÃcio fÃsico aerÃ³bio no processo aterosclerÃ³tico. Revista Brasileira De Medicina Do Esporte, 2010, 16, 382-387.	0.1	5
67	Short-term in vivo inhibition of nitric oxide synthase with <scp>L</scp>-NAME influences the contractile function of single left ventricular myocytes in rats. Canadian Journal of Physiology and Pharmacology, 2011, 89, 305-310.	0.7	5
68	Trypanosoma cruzi infection alters glucose metabolism at rest and during exercise without modifying the morphology of pancreatic islets in rats. Pathology Research and Practice, 2012, 208, 480-488.	1.0	5
69	Elemental Mapping of Cardiac Tissue by Scanning Electron Microscopy and Energy Dispersive X-ray Spectroscopy: Proof of Principle in Chaga's Disease Myocarditis Model. Canadian Journal of Cardiology, 2013, 29, 639.e3-639.e4.	0.8	5
70	Basal and ï¿½-Adrenergic Cardiomyocytes Contractility Dysfunction Induced by Dietary Protein Restriction is Associated with Downregulation of SERCA2a Expression and Disturbance of Endoplasmic Reticulum Ca2+Regulation in Rats. Cellular Physiology and Biochemistry, 2014, 34, 443-454.	1.1	5
71	Protective effects of whey protein concentrate admixtured of curcumin on metabolic control, inflammation and oxidative stress in Wistar rats submitted to exhaustive exercise. British Journal of Nutrition, 2022, 127, 526-539.	1.2	5
72	Efectos crÃ³nicos de un programa regular de nataciÃ³n. Sobre la tensiÃ³n arterial de adultos hipertensos. (Swimming chronic effects on the blood pressure. In hypertensive adults.). RICYDE Revista Internacional De Ciencias Del Deporte, 2006, 2, 15-24.	0.1	5

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73	L-NAME Treatment Enhances Exercise-induced Content of Myocardial Heat Shock Protein 72 (Hsp72) in Rats. Cellular Physiology and Biochemistry, 2011, 27, 479-486.	1.1	4
74	3,4-Dihydroxycinnamic Acid Attenuates the Fatigue and Improves Exercise Tolerance in Rats. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1025-1027.	0.6	4
75	Accuracy of plasma interleukin-18 and adiponectin concentrations in predicting metabolic syndrome and cardiometabolic disease risk in middle-age Brazilian men. Applied Physiology, Nutrition and Metabolism, 2015, 40, 1048-1055.	0.9	4
76	Power spectrum analysis of cardiovascular variability during passive heating in conscious rats. Journal of Thermal Biology, 2016, 62, 20-29.	1.1	4
77	Impaired thermoregulation in spontaneously hypertensive rats during physical exercise is related to reduced hypothalamic neuronal activation. Pflugers Archiv European Journal of Physiology, 2020, 472, 1757-1768.	1.3	4
78	Swimming training potentiates the recovery of femoral neck strength in young diabetic rats under insulin therapy. Clinics, 2019, 74, e829.	0.6	4
79	Treinamento aerÃ³bio em nataÃ§Ã£o melhora a resposta de parÂ¢metros metabÃ³licos de ratos durante teste de esforÃ§o. Revista Brasileira De Medicina Do Esporte, 2010, 16, 134-138.	0.1	3
80	Effect of Exercise Prior or After Ischemia on the Density of Neurons and Astrocytes in the Brain of Rats. American Journal of Neuroscience, 2014, 5, 18-25.	0.4	3
81	Core temperature circadian rhythm across aging in Spontaneously Hypertensive Rats. Journal of Thermal Biology, 2021, 97, 102807.	1.1	3
82	Is the Wistar Rat a more Suitable Normotensive Control for SHR to Test Blood Pressure and Cardiac Structure and Function?. International Journal of Cardiovascular Sciences, 2021, , .	0.0	3
83	ExercÃcio fÃsico promove neuroproteÃ§Ã£o estrutural e funcional em ratos com isquemia cerebral. Revista Neurociencias, 2015, 23, 581-588.	0.0	3
84	Treinamento em nataÃ§Ã£o com baixa intensidade nÃ£o protege mÃºsculo esquelÃ©tico contra lesÃµes induzidas por exercÃcio exaustivo em ratos. Revista Brasileira De Medicina Do Esporte, 2011, 17, 207-211.	0.1	2
85	Protein Restriction Does not Impair Adaptations Induced in Cardiomyocytes by Exercise in Rats. International Journal of Sports Medicine, 2013, 34, 1015-1019.	0.8	2
86	Histomorphometric analysis of the Achilles tendon of Wistar rats treated with laser therapy and eccentric exercise. Pesquisa Veterinaria Brasileira, 2015, 35, 39-50.	0.5	2
87	Could pre-infection exercise training improve the efficacy of specific antiparasitic chemotherapy for Chagas disease?. Parasitology, 2019, 146, 1655-1664.	0.7	2
88	Analysis of motor performance and histomorphometry of skeletal muscles of rats exercised after cerebral ischemia. International Journal of Neuroscience, 2022, 132, 497-506.	0.8	2
89	Thermoregulation in Hypertensive Rats during Exercise: Effects of Physical Training. Arquivos Brasileiros De Cardiologia, 2019, 112, 534-542.	0.3	2
90	Metabolic effects of a caffeinated sports drink consumed during a soccer match. Motriz Revista De Educacao Fisica, 2013, 19, 688-695.	0.3	2

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91	Usual dietary glycemic load is associated with cardiometabolic risk factors in physically active Brazilian middle-aged men. Nutricion Hospitalaria, 2014, 29, 444-51.	0.2	2
92	Morfologia e contratilidade em cardiomiÃ³citos de ratos com baixo desempenho para o exercÃcio fÃsico. Arquivos Brasileiros De Cardiologia, 2012, 98, 431-436.	0.3	1
93	Calcium and caffeine interaction in increased calcium balance in ovariectomized rats. Revista De Nutricao, 2013, 26, 313-322.	0.4	1
94	Efeito da dieta hiperlipÃdica e do treinamento aerÃ³bico na aterosclerose em camundongos apoE-/-. Revista Brasileira De Medicina Do Esporte, 2013, 19, 436-441.	0.1	1
95	Achilles tendon of wistar rats treated with laser therapy and eccentric exercise. Revista Brasileira De Medicina Do Esporte, 2015, 21, 332-337.	0.1	1
96	CONSUMO DE Ã‰COOL E A INFLUÃŠNCIA DO EXERCÃCIO FÃSICO NA ATIVIDADE ENZIMÃTICA DE RATOS WISTAR. Revista Brasileira De Medicina Do Esporte, 2016, 22, 40-44.	0.1	1
97	Mineralocorticoid receptor antagonists lead to increased adenosine bioavailability and modulate contractile cardiac parameters. Heart and Vessels, 2020, 35, 719-730.	0.5	1
98	Î²-hydroxy-Î² -methylbutyrate supplementation benefits the effects of resistance training on body fat reduction via increased irisin expression in white adipose tissue. Biology of Sport, 2021, 38, 113-121.	1.7	1
99	Aerobic exercise attenuates the effects of ovariectomy and sedentarism on body composition and food intake in female rats. Revista De Nutricao, 0, 34, .	0.4	1
100	Swimming Training Does Not Affect the Recovery of Femoral Midshaft Structural and Mechanical Properties in Growing Diabetic Rats Treated with Insulin. Life, 2021, 11, 786.	1.1	1
101	Protein Restriction Does not Impair Adaptations Induced in Cardiomyocytes by Exercise in Rats. International Journal of Sports Medicine, 2013, 34, 849-849.	0.8	0
102	Colon cancer and swimming exercise: effect on wistar rat testes. Brazilian Archives of Biology and Technology, 2013, 56, 557-566.	0.5	0
103	Ã“XIDO NÃTRICO E DINÂMICA DE CA2+ EM CARDIOMIÃ“CITOS: INFLUÃŠNCIA DA CAPACIDADE DE EXERCÃCIO. Revista Brasileira De Medicina Do Esporte, 2016, 22, 31-34.	0.1	0
104	Effects of exercise training and nebivolol treatment on atherosclerotic plaque development, iNOS expression and antioxidant capacity in apoE â^'/â^' mice. Science and Sports, 2018, 33, 106-113.	0.2	0
105	Match internal load in youth elite soccer players is period, playing position and intermittent running capacity dependent. Motriz Revista De Educacao Fisica, 2018, 24, .	0.3	0
106	LOW-INTENSITY ENDURANCE TRAINING AND RIGHT VENTRICULAR MYOCYTES OF HYPERTENSIVE RATS. Revista Brasileira De Medicina Do Esporte, 2019, 25, 196-201.	0.1	0
107	Effects of exercise training and stem cell therapy on the left ventricle of infarcted rats. Revista Portuguesa De Cardiologia (English Edition), 2019, 38, 649-656.	0.2	0
108	Combined action of aÃ§ai and aerobic exercise training on the development of NAFLD induced by a high-fat diet: a preliminary exploration. Sport Sciences for Health, 0, , 1.	0.4	0

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109	Influence of Carbohydrate Supplementation on the Immunological Function of Judo's Athletes During a Training Session.. Medicine and Science in Sports and Exercise, 2008, 40, S79.	0.2	0
110	Ãcido linolÃ©ico conjugado: efeitos no perfil lipÃdico e na composiÃ§Ã£o corporal de camundongos exercitados. Motriz Revista De Educacao Fisica, 2011, 17, 683-690.	0.3	0
111	Voluntary exercise increases survival and exercise capacity in a monocrotaline-induced pulmonary hypertension in rats. , 2018, , .		0
112	Aerobic Exercise Increases the Damage to the Femoral Properties of Growing Rats with Protein-Based Malnutrition. Brazilian Archives of Biology and Technology, 0, 64, .	0.5	0