

Ana Cristina R Lacerda

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.

109
papers

952
citations

16
h-index

26
g-index

134
ext. papers

1,242
ext. citations

2.7
avg, IF

4.11
L-index

#	Paper	IF	Citations
109	Functional performance and inflammatory cytokines after squat exercises and whole-body vibration in elderly individuals with knee osteoarthritis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012 , 93, 1692-700	2.8	73
108	High intensity interval training modulates hippocampal oxidative stress, BDNF and inflammatory mediators in rats. <i>Physiology and Behavior</i> , 2018 , 184, 6-11	3.5	53
107	Nitric oxide pathway is an important modulator of heat loss in rats during exercise. <i>Brain Research Bulletin</i> , 2005 , 67, 110-6	3.9	44
106	The effect of adding whole-body vibration to squat training on the functional performance and self-report of disease status in elderly patients with knee osteoarthritis: a randomized, controlled clinical study. <i>Journal of Alternative and Complementary Medicine</i> , 2011 , 17, 1149-55	2.4	43
105	Involvement of BDNF in knee osteoarthritis: the relationship with inflammation and clinical parameters. <i>Rheumatology International</i> , 2014 , 34, 1153-7	3.6	34
104	Evidence that brain nitric oxide inhibition increases metabolic cost of exercise, reducing running performance in rats. <i>Neuroscience Letters</i> , 2006 , 393, 260-3	3.3	33
103	Effect of exercise on the plasma BDNF levels in elderly women with knee osteoarthritis. <i>Rheumatology International</i> , 2014 , 34, 841-6	3.6	27
102	Influence of the knee flexion on muscle activation and transmissibility during whole body vibration. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 844-50	2.5	25
101	High-intensity interval training improves cerebellar antioxidant capacity without affecting cognitive functions in rats. <i>Behavioural Brain Research</i> , 2019 , 376, 112181	3.4	24
100	Central angiotensin AT1-receptor blockade affects thermoregulation and running performance in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R603-7	3.2	24
99	Central nitric oxide inhibition modifies metabolic adjustments induced by exercise in rats. <i>Neuroscience Letters</i> , 2006 , 410, 152-6	3.3	24
98	Oxygen consumption and heart rate during repeated squatting exercises with or without whole-body vibration in the elderly. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 3495-500	3.2	21
97	Swimming training attenuates oxidative damage and increases enzymatic but not non-enzymatic antioxidant defenses in the rat brain. <i>Brazilian Journal of Medical and Biological Research</i> , 2016 , 49, e5310	2.8	21
96	Paraquat (PQ)-induced pulmonary fibrosis increases exercise metabolic cost, reducing aerobic performance in rats. <i>Journal of Toxicological Sciences</i> , 2009 , 34, 671-9	1.9	19
95	An update on potential links between type 2 diabetes mellitus and Alzheimer's disease. <i>Molecular Biology Reports</i> , 2020 , 47, 6347-6356	2.8	18
94	Reported quality of life in countries with cases of COVID19: a systematic review. <i>Expert Review of Respiratory Medicine</i> , 2021 , 15, 213-220	3.8	17
93	Whole Body Vibration Training on Muscle Strength and Brain-Derived Neurotrophic Factor Levels in Elderly Woman With Knee Osteoarthritis: A Randomized Clinical Trial Study. <i>Frontiers in Physiology</i> , 2019 , 10, 756	4.6	16

92	Oxidative stress and skeletal muscle dysfunction are present in healthy smokers. <i>Brazilian Journal of Medical and Biological Research</i> , 2016 , 49, e5512	2.8	16
91	Central AT(1) receptor blockade increases metabolic cost during exercise reducing mechanical efficiency and running performance in rats. <i>Neuropeptides</i> , 2007 , 41, 189-94	3.3	16
90	Cardiorespiratory responses and prediction of peak oxygen uptake during the shuttle walking test in healthy sedentary adult men. <i>PLoS ONE</i> , 2015 , 10, e0117563	3.7	15
89	The effects of passive warm-up vs. whole-body vibration on high-intensity performance during sprint cycle exercise. <i>Journal of Strength and Conditioning Research</i> , 2012 , 26, 2997-3003	3.2	15
88	Overweight and obese infants present lower cognitive and motor development scores than normal-weight peers. <i>Research in Developmental Disabilities</i> , 2016 , 59, 410-416	2.7	15
87	Association of Therapies With Reduced Pain and Improved Quality of Life in Patients With Fibromyalgia: A Systematic Review and Meta-analysis. <i>JAMA Internal Medicine</i> , 2021 , 181, 104-112	11.5	15
86	Effects of the inspiratory muscle training and aerobic training on respiratory and functional parameters, inflammatory biomarkers, redox status and quality of life in hemodialysis patients: A randomized clinical trial. <i>PLoS ONE</i> , 2018 , 13, e0200727	3.7	14
85	Influence of aerobic training on cardiovascular and metabolic parameters in elderly hypertensive women. <i>International Journal of Preventive Medicine</i> , 2012 , 3, 652-9	1.6	14
84	Potential Application of Whole Body Vibration Exercise For Improving The Clinical Conditions of COVID-19 Infected Individuals: A Narrative Review From the World Association of Vibration Exercise Experts (WAVex) Panel. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	13
83	High-intensity resistance training induces changes in cognitive function, but not in locomotor activity or anxious behavior in rats induced to type 2 diabetes. <i>Physiology and Behavior</i> , 2020 , 223, 112998 ^{3,5}	3.5	13
82	A single session of high-intensity interval exercise increases antioxidants defenses in the hippocampus of Wistar rats. <i>Physiology and Behavior</i> , 2019 , 211, 112675	3.5	13
81	Whole-body vibration decreases the proliferative response of TCD4(+) cells in elderly individuals with knee osteoarthritis. <i>Brazilian Journal of Medical and Biological Research</i> , 2012 , 45, 1262-8	2.8	13
80	Effect of aerobic training on plasma cytokines and soluble receptors in elderly women with knee osteoarthritis, in response to acute exercise. <i>Clinical Rheumatology</i> , 2012 , 31, 759-66	3.9	13
79	Different levels of brain-derived neurotrophic factor and cortisol in healthy heavy smokers. <i>Brazilian Journal of Medical and Biological Research</i> , 2017 , 50, e6424	2.8	12
78	Acute heat exposure increases high-intensity performance during sprint cycle exercise. <i>European Journal of Applied Physiology</i> , 2007 , 99, 87-93	3.4	12
77	Whole body vibration training increases physical measures and quality of life without altering inflammatory-oxidative biomarkers in patients with moderate COPD. <i>Journal of Applied Physiology</i> , 2018 , 125, 520-528	3.7	11
76	Inflammatory biomarkers responses after acute whole body vibration in fibromyalgia. <i>Brazilian Journal of Medical and Biological Research</i> , 2018 , 51, e6775	2.8	11
75	Association between inflammatory biomarkers in plasma, radiological severity, and duration of exposure in patients with silicosis. <i>Journal of Occupational and Environmental Medicine</i> , 2014 , 56, 493-7 ²	2	11

74	Association between obesity-related biomarkers and cognitive and motor development in infants. <i>Behavioural Brain Research</i> , 2017 , 325, 12-16	3.4	10
73	Soluble TNF receptors are produced at sites of inflammation and are inversely associated with self-reported symptoms (WOMAC) in knee osteoarthritis. <i>Rheumatology International</i> , 2014 , 34, 1759-63 ^{3,6}	3.6	10
72	Central angiotensin AT1 receptors are involved in metabolic adjustments in response to graded exercise in rats. <i>Peptides</i> , 2009 , 30, 1931-5	3.8	10
71	Hypertension is associated with greater heat exchange during exercise recovery in a hot environment. <i>Brazilian Journal of Medical and Biological Research</i> , 2015 , 48, 1122-9	2.8	9
70	Comparison between whole-body vibration, light-emitting diode, and cycling warm-up on high-intensity physical performance during sprint bicycle exercise. <i>Journal of Strength and Conditioning Research</i> , 2015 , 29, 1542-50	3.2	8
69	Influence of Cytokines and Soluble Receptors in the Quality of Life and Functional Capacity of Workers Exposed to Silica. <i>Journal of Occupational and Environmental Medicine</i> , 2016 , 58, 272-6	2	8
68	The impact of COVID-19 pandemic in the quality of sleep by Pittsburgh Sleep Quality Index: A systematic review. <i>Ciencia E Saude Coletiva</i> , 2021 , 26, 1457-1466	2.2	7
67	Aerobic training modulates T cell activation in elderly women with knee osteoarthritis. <i>Brazilian Journal of Medical and Biological Research</i> , 2016 , 49, e5181	2.8	7
66	Whole body vibration and post-activation potentiation: a study with repeated measures. <i>International Journal of Sports Medicine</i> , 2014 , 35, 651-7	3.6	6
65	Current evidence does not support whole body vibration in clinical practice in children and adolescents with disabilities: a systematic review of randomized controlled trial. <i>Brazilian Journal of Physical Therapy</i> , 2019 , 23, 196-211	3.7	6
64	Cardiorespiratory fitness assessment and prediction of peak oxygen consumption by Incremental Shuttle Walking Test in healthy women. <i>PLoS ONE</i> , 2019 , 14, e0211327	3.7	5
63	Carbohydrate ingestion during exercise does not delay the onset of fatigue during submaximal cycle exercise. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 1276-81	3.2	5
62	Neuroendocrine Inflammatory Responses in Overweight/Obese Infants. <i>PLoS ONE</i> , 2016 , 11, e0167593	3.7	5
61	Acute and Cumulative Effects With Whole-Body Vibration Exercises Using 2 Biomechanical Conditions on the Flexibility and Rating of Perceived Exertion in Individuals With Metabolic Syndrome: A Randomized Clinical Trial Pilot Study. <i>Dose-Response</i> , 2019 , 17, 1559325819886495	2.3	5
60	Cardiorespiratory responses in different types of squats and frequencies of whole body vibration in patients with chronic obstructive pulmonary disease. <i>Journal of Applied Physiology</i> , 2019 , 126, 23-29	3.7	5
59	Altitude conditions seem to determine the evolution of COVID-19 in Brazil. <i>Scientific Reports</i> , 2021 , 11, 4402	4.9	5
58	LPS tolerance prevents anxiety-like behavior and amygdala inflammation of high-fat-fed damsR adolescent offspring. <i>Behavioural Brain Research</i> , 2021 , 411, 113371	3.4	5
57	Effect of the Combined Intervention with Passive Whole-Body Vibration and Auriculotherapy on the Quality of Life of Individuals with Knee Osteoarthritis Assessed by the WHOQOL-Bref: A Multi-Arm Clinical Trial. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1956	2.6	4

56	Acute Effects of Whole-Body Vibration on Inflammatory Markers in People with Chronic Obstructive Pulmonary Disease: A Pilot Study. <i>Rehabilitation Research and Practice</i> , 2018 , 2018, 5480214 ^{1,2}	4
55	Whole body vibration in the static modified push-up position in untrained healthy women stimulates neuromuscular system potentiating increased handgrip myogenic response. <i>Journal of Bodywork and Movement Therapies</i> , 2020 , 24, 233-238	1.6 4
54	Effects of Whole-Body Vibration Exercises on Parameters Related to the Sleep Quality in Metabolic Syndrome Individuals: A Clinical Trial Study. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5183	2.6 4
53	Functional tests associated with sarcopenia in moderate chronic obstructive pulmonary disease. <i>Expert Review of Respiratory Medicine</i> , 2021 , 15, 569-576	3.8 4
52	Effect of a Moderate-Intensity Aerobic Training on Joint Biomarkers and Functional Adaptations in Rats Subjected to Induced Knee Osteoarthritis. <i>Frontiers in Physiology</i> , 2019 , 10, 1168	4.6 3
51	The Glittre activities of daily living as a potential test for functional evaluation of patients on hemodialysis: a validation study. <i>Disability and Rehabilitation</i> , 2020 , 1-8	2.4 3
50	Inflammatory cytokines and plasma redox status responses in hypertensive subjects after heat exposure. <i>Brazilian Journal of Medical and Biological Research</i> , 2016 , 49,	2.8 3
49	Assessment of functional performance in Chagas heart disease by Human Activity Profile questionnaire. <i>Disability and Rehabilitation</i> , 2021 , 43, 1255-1259	2.4 3
48	Whole-Body Vibration Exercise in Different Postures on Handgrip Strength in Healthy Women: A Cross-Over Study. <i>Frontiers in Physiology</i> , 2020 , 11, 469499	4.6 3
47	Whole-Body Vibration as Antihypertensive Non-Pharmacological Treatment in Hypertensive Individuals with Knee Osteoarthritis: Randomized Cross-Over Trial. <i>Sustainability</i> , 2020 , 12, 8944	3.6 2
46	Plasma levels of soluble TNF receptors are associated with cardiac function in patients with Chagas heart disease. <i>International Journal of Cardiology</i> , 2020 , 316, 101-103	3.2 2
45	Central cholinergic activation induces greater thermoregulatory and cardiovascular responses in spontaneously hypertensive than in normotensive rats. <i>Journal of Thermal Biology</i> , 2018 , 77, 86-95	2.9 2
44	Does whole body vibration exercise improve oxidative stress markers in women with fibromyalgia?. <i>Brazilian Journal of Medical and Biological Research</i> , 2019 , 52, e8688	2.8 2
43	Energy expenditure and substrate utilization during whole body vibration. <i>Revista Brasileira De Medicina Do Esporte</i> , 2015 , 21, 122-126	0.5 2
42	Sustained, prolonged exercise at stable heart rate defined by the deflection point identification method. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 632-7	3.2 2
41	Exercise tests in Chagas cardiomyopathy: an overview of functional evaluation, prognostic significance, and current challenges. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2020 , 53, e20200100 ²	1.5 2
40	Are oxidative stress biomarkers and respiratory muscles strength associated with COPD-related sarcopenia in older adults?. <i>Experimental Gerontology</i> , 2021 , 157, 111630	4.5 2
39	Portuguese translation and validation of the Patient Generated Index (PGI) instrument for patients with Chronic Obstructive Pulmonary Disease: individualized quality of life assessment. <i>Jornal Brasileiro De Pneumologia</i> , 2020 , 46, e20190272	1.1 2

38	Photobiomodulation Therapy (Light-Emitting Diode 630 nm) Favored the Oxidative Stress and the Preservation of Articular Cartilage in an Induced Knee Osteoarthritis Model. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2021 , 39, 272-279	2.8	2
37	Evaluation of Whole-Body Vibration Exercise on Neuromuscular Activation Through Electromyographic Pattern of Vastus Lateralis Muscle and on Range of Motion of Knees in Metabolic Syndrome: A Quasi-Randomized Cross-Over Controlled Trial. <i>Applied Sciences (Switzerland)</i> , 2021 , 9, 4997	2.6	2
36	Cardiorespiratory and metabolic responses and reference equation validation to predict peak oxygen uptake for the incremental shuttle waking test in adolescent boys. <i>PLoS ONE</i> , 2018 , 13, e0206867	3.7	2
35	Acute Whole-Body Vibration Exercise Promotes Favorable Handgrip Neuromuscular Modifications in Rheumatoid Arthritis: A Cross-Over Randomized Clinical.. <i>BioMed Research International</i> , 2021 , 2021, 9774980	3	2
34	Prevalência de sobrepeso e de obesidade no primeiro ano de vida nas Estratégias Saúde da Família. <i>Cadernos Saude Coletiva</i> , 2019 , 27, 32-38	0.3	1
33	Distinct beneficial effects of continuous vs accumulated exercise training on cardiovascular risk factors in Wistar rats. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017 , 27, 1384-1394	4.6	1
32	Efficacy of Whole-Body Vibration Training on Brain-Derived Neurotrophic Factor, Clinical and Functional Outcomes, and Quality of Life in Women with Fibromyalgia Syndrome: A Randomized Controlled Trial.. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 7593802	3.7	1
31	The prognostic value of the Incremental Shuttle Walk Test in Chagas cardiomyopathy. <i>Disability and Rehabilitation</i> , 2021 , 1-6	2.4	1
30	Associations of physical activity and cognitive function with gross motor skills in preschoolers: Cross-sectional study. <i>Journal of Motor Behavior</i> , 2021 , 1-16	1.4	1
29	Whole-Body Vibration Exercise: A Possible Intervention in the Management of Post COVID-19 Complications?. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5733	2.6	1
28	Inflammatory and oxidative biomarkers as determinants of functional capacity in patients with COPD assessed by 6-min walk test-derived outcomes. <i>Experimental Gerontology</i> , 2021 , 152, 111456	4.5	1
27	The reliability and validity of the 30-seconds sit-to-stand test and its capacity for assessment of the functional status of hemodialysis patients. <i>Journal of Bodywork and Movement Therapies</i> , 2021 , 27, 157-164	1.6	1
26	The health-related quality of life in patients with post-COVID-19 after hospitalization: a systematic review.. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2022 , 55, e0741	1.5	1
25	Physical environmental opportunities for active play and physical activity level in preschoolers: a multicriteria analysis.. <i>BMC Public Health</i> , 2022 , 22, 340	4.1	1
24	Effect of Whole-Body Vibration on the Functional Responses of the Patients with Knee Osteoarthritis by the Electromyographic Profile of the Vastus Lateralis Muscles during the Five-Repetition Chair Stand Test: A Randomized Crossover Trial. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4302	2.6	0
23	Fibromyalgia in social media: content and quality of the information analysis of videos on the YouTube platform. <i>Informatics for Health and Social Care</i> , 2021 , 1-12	2.7	0
22	Cardiorespiratory and metabolic demand of the 6-minute pegboard and ring test in healthy young adults.. <i>Journal of Bodywork and Movement Therapies</i> , 2022 , 29, 99-105	1.6	0
21	Differences in health-related quality of life in patients with mild and severe chronic venous insufficiency: A systematic review and meta-analysis. <i>Journal of Vascular Nursing</i> , 2021 , 39, 126-133	1	0

20	Prenatal LPS exposure increases hippocampus IL-10 and prevents short-term memory loss in the male adolescent offspring of high-fat diet fed dams. <i>Physiology and Behavior</i> , 2022 , 243, 113628	3.5	○
19	Acute Effects of Whole-Body Vibration Exercise on Pain Level, Functionality, and Rating of Exertion of Elderly Obese Knee Osteoarthritis Individuals: A Randomized Study. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5870	2.6	○
18	Maximal inspiratory pressure is associated with health-related quality of life and is a reliable method for evaluation of patients on hemodialysis. <i>Physiotherapy Theory and Practice</i> , 2020 , 1-9	1.5	○
17	Determinants of Functional Capacity in Patients with Chagas Disease. <i>Arquivos Brasileiros De Cardiologia</i> , 2021 , 117, 934-941	1.2	○
16	Does endurance training prior to ovariectomy protect against myocardial contractility dysfunction in rats?. <i>Experimental Gerontology</i> , 2021 , 155, 111556	4.5	○
15	Determining factors of functioning in hemodialysis patients using the international classification of functioning, disability and health.. <i>BMC Nephrology</i> , 2022 , 23, 119	2.7	○
14	Is body fat mass associated with worse gross motor skills in preschoolers? An exploratory study.. <i>PLoS ONE</i> , 2022 , 17, e0264182	3.7	○
13	Plasma levels of myokines and inflammatory markers are related with functional and respiratory performance in older adults with COPD and sarcopenia.. <i>Experimental Gerontology</i> , 2022 , 111834	4.5	○
12	Comparison of four local vibratory stimuli on mechanical and sensorial variables related to muscle-tendon unit response. <i>Translational Sports Medicine</i> , 2020 , 3, 440-446	1.3	
11	Cortisol secretion pattern in overweight/obese and normal-weight infants: a cross-sectional study. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2020 , 33, 241-246	1.6	
10	BLOOD AMMONIA CONCENTRATION AND ANAEROBIC PERFORMANCE DURING THE WINGATE ANAEROBIC TEST AND NA ADAPTED WINGATE TEST. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, S331	1.2	
9	Effect of intracerebroventricular injection of Losartan in thermoregulation and running performance in rats. <i>FASEB Journal</i> , 2006 , 20, A1449	0.9	
8	Effects of Whole-Body Vibration Exercises on the Body Fat Distribution of the Metabolic Syndrome Individuals: Preliminary Outcomes. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 658-664	0.4	
7	Effect of Vibration Exercise in the Modified Push-Up Position on Hand Neural Efficiency in Rheumatoid Arthritis: Preliminary Results. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 650-652 ^{○.4}		
6	Evaluation of clinical and radiographic measures and reliability of the quadriceps angle measurement in elderly women with knee osteoarthritis. <i>Fisioterapia Em Movimento</i> , 2014 , 27, 565-572 ^{○.8}		
5	Effects of Whole-Body Vibration in Cardiorespiratory and Hormonal Parameters in Elderly People: Preliminary Results. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 653-657	0.4	
4	The Use of the Incremental Shuttle Walk Test to Identify Instrumental Activity Daily Living Disability and to Predict Peak Oxygen Consumption in Older Adults. <i>Topics in Geriatric Rehabilitation</i> , 2018 , 34, 237-244	0.7	
3	Effects of whole-body vibration exercise in patients with chronic kidney disease: a systematic review.. <i>Disability and Rehabilitation</i> , 2022 , 1-10	2.4	

- 2 Determinants of High Fat Mass Index in Preschoolers Living in Brazilian Urban Areas. *Journal of Nutrition Education and Behavior*, **2022**, 54, 532-539 2
- 1 Efficacy of Acupuncture on Quality of Life, Functional Performance, Dyspnea, and Pulmonary Function in Patients with Chronic Obstructive Pulmonary Disease: Protocol for a Randomized Clinical Trial. *Journal of Clinical Medicine*, **2022**, 11, 3048 5.1