

# Joaquin U Gonzales

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

730  
citations

623188

14  
h-index

552369

26  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-restricted feeding plus resistance training in active females: a randomized trial. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 628-640.	2.2	126
2	Influence of L-citrulline and watermelon supplementation on vascular function and exercise performance. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017, 20, 92-98.	1.3	102
3	Does L-citrulline supplementation improve exercise blood flow in older adults?. <i>Experimental Physiology</i> , 2017, 102, 1661-1671.	0.9	43
4	Age and sex influence the balance between maximal cardiac output and peripheral vascular reserve. <i>Journal of Applied Physiology</i> , 2010, 108, 483-489.	1.2	40
5	Association between exercise hemodynamics and changes in local vascular function following acute exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011, 36, 137-144.	0.9	37
6	Effects of physical activity on vasomotor symptoms. <i>Menopause</i> , 2012, 19, 1095-1103.	0.8	36
7	Forearm blood flow follows work rate during submaximal dynamic forearm exercise independent of sex. <i>Journal of Applied Physiology</i> , 2007, 103, 1950-1957.	1.2	26
8	Gender Differences in the Fatigability of the Inspiratory Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 472-479.	0.2	24
9	Impact of L-citrulline supplementation on oxygen uptake kinetics during walking. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 631-637.	0.9	22
10	Effects of resistance training on MRI-derived epicardial fat volume and arterial stiffness in women with obesity: a randomized pilot study. <i>European Journal of Applied Physiology</i> , 2018, 118, 1231-1240.	1.2	21
11	Arterial stiffness is higher in older adults with increased perceived fatigue and fatigability during walking. <i>Experimental Gerontology</i> , 2015, 61, 92-97.	1.2	19
12	Effect of acetazolamide on respiratory muscle fatigue in humans. <i>Respiratory Physiology and Neurobiology</i> , 2013, 185, 386-392.	0.7	17
13	L-Citrulline Supports Vascular and Muscular Benefits of Exercise Training in Older Adults. <i>Exercise and Sport Sciences Reviews</i> , 2020, 48, 133-139.	1.6	17
14	Gait performance in relation to aortic pulse wave velocity, carotid artery elasticity and peripheral perfusion in healthy older adults. <i>Clinical Physiology and Functional Imaging</i> , 2013, 33, 245-251.	0.5	16
15	Absence of gender differences in the fatigability of the forearm muscles during intermittent isometric handgrip exercise. <i>Journal of Sports Science and Medicine</i> , 2007, 6, 98-105.	0.7	16
16	Steps per Day, Daily Peak Stepping Cadence, and Walking Performance in Older Adults. <i>Journal of Aging and Physical Activity</i> , 2015, 23, 395-400.	0.5	14
17	Exercise-induced vasodilation is associated with menopause stage in healthy middle-aged women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012, 37, 418-424.	0.9	13
18	Exercise-induced shear stress is associated with changes in plasma von Willebrand factor in older humans. <i>European Journal of Applied Physiology</i> , 2009, 106, 779-784.	1.2	12

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19	Relation of Femoral Diameter, Shear Rate, and Dilatory Response to Knee Extensor Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1870-1875.	0.2	11
20	Femoral shear rate response to knee extensor exercise: An age and sex comparison. <i>Biorheology</i> , 2009, 46, 145-154.	1.2	9
21	Compensatory adjustments in motor unit behavior during fatigue differ for younger versus older men. <i>Aging Clinical and Experimental Research</i> , 2020, 32, 2259-2269.	1.4	9
22	Prior heavy knee extension exercise does not affect $\dot{V}\dot{O}_2$ kinetics during subsequent heavy cycling exercise. <i>European Journal of Applied Physiology</i> , 2008, 102, 481-491.	1.2	7
23	Role of retrograde flow in the shear stimulus associated with exercise blood flow. <i>Clinical Physiology and Functional Imaging</i> , 2008, 28, 318-325.	0.5	7
24	Sex-Dependent Associations Between Daily Physical Activity and Leg Exercise Blood Pressure Responses. <i>Journal of Aging and Physical Activity</i> , 2011, 19, 306-321.	0.5	7
25	Evidence for the emergence of leg sympathetic vasoconstrictor tone with age in healthy women. <i>Physiological Reports</i> , 2015, 3, e12275.	0.7	7
26	Different cognitive functions discriminate gait performance in younger and older women: A pilot study. <i>Gait and Posture</i> , 2016, 50, 89-95.	0.6	7
27	Echinacea-Based Dietary Supplement Does Not Increase Maximal Aerobic Capacity in Endurance-Trained Men and Women. <i>Journal of Dietary Supplements</i> , 2016, 13, 324-338.	1.4	7
28	Calf exercise-induced vasodilation is blunted in healthy older adults with increased walking performance fatigue. <i>Experimental Gerontology</i> , 2014, 57, 1-5.	1.2	5
29	The Acute Effect of Fast and Slow Stepping Cadence on Regional Vascular Function. <i>International Journal of Sports Medicine</i> , 2015, 36, 1041-1045.	0.8	5
30	Retrograde and oscillatory shear increase across the menopause transition. <i>Physiological Reports</i> , 2019, 7, e13965.	0.7	5
31	Leg Strength is Associated with Ventilatory Efficiency in Older Women. <i>International Journal of Sports Medicine</i> , 2012, 33, 537-542.	0.8	4
32	Peak stepping cadence is associated with leg vascular compliance in young adults. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 683-687.	0.6	4
33	Spatial task-related brain activity and its association with preferred and fast pace gait speed in older adults. <i>Neuroscience Letters</i> , 2019, 713, 134526.	1.0	4
34	Effects of age on vertical jump performance and muscle morphology characteristics in females. <i>Journal of Sports Medicine and Physical Fitness</i> , 2020, 60, 1081-1088.	0.4	4
35	Prior heavy exercise increases oxygen cost during moderate exercise without associated change in surface EMG. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 99-107.	0.7	3
36	Arterial Compliance And Responsiveness: Relative Impact Of Menopause And Fitness. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 303.	0.2	3

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37	Role of heart rate in the relation between regional body fat and subendocardial viability ratio in women. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 789-794.	0.9	3
38	Carotid flow pulsatility is higher in women with greater decrement in gait speed during multi-tasking. <i>Gait and Posture</i> , 2017, 54, 271-276.	0.6	3
39	Postexercise hypotension in central aortic pressures following walking and its relation to cardiorespiratory fitness. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019, 59, 717-722.	0.4	3
40	Six nights of sleep extension increases regional cerebral oxygenation without modifying cognitive performance at rest or following acute aerobic exercise. <i>Journal of Sleep Research</i> , 2022, 31, e13582.	1.7	3
41	Muscle Strength and Pressor Response. <i>International Journal of Sports Medicine</i> , 2009, 30, 320-324.	0.8	2
42	An Investigation of Short-Term Longitudinal Associations Between Handgrip Strength and Cardiovascular Disease Biomarkers Among Middle-Aged to Older Adults: A Project FRONTIER Study. <i>Journal of Aging and Physical Activity</i> , 2020, 28, 9-17.	0.5	2
43	Peripheral vasodilation is reduced during exercise in perimenopausal women with elevated cardiovascular risk. <i>Menopause</i> , 2020, 27, 1167-1170.	0.8	1
44	Response of exerciseâ€œonset vasodilator kinetics to Lâ€œcitrulline supplementation during different phases of the menstrual cycle. <i>Physiological Reports</i> , 2020, 8, e14536.	0.7	1
45	One Session of Highâ€œIntensity Interval Training Acutely Enhances the Sensitivity of Cerebral Vasoreactivity Postâ€œExercise in Young Healthy Males. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
46	L-citrulline Does Not Change Blood Flow Kinetics At The Onset Of Exercise In Young Women. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 225-225.	0.2	1
47	Effect of five nights of sleep extension on peripheral vascular function: a randomized crossover investigation into long sleep duration. <i>Sleep Medicine</i> , 2022, 90, 145-152.	0.8	1
48	Forearm Muscle Blood Flow During Dynamic Ramp Exercise is Independent of Muscle Strength. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S193-S194.	0.2	0
49	Exercise-Induced Femoral Artery Dilation is Related to Resting Diameter. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 303.	0.2	0
50	Endothelial-dependent Dilation is Attenuated Following Acute Handgrip Exercise and is Associated with Contractile Work. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 301.	0.2	0
51	Sex-dependent Association Between Daily Physical Activity And Ventilatory Threshold In Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 934.	0.2	0
52	Do older adults with higher daily ambulatory activity have lower central blood pressure?. <i>Aging Clinical and Experimental Research</i> , 2016, 28, 965-971.	1.4	0
53	Lap Time Variation Predicts Task Error During Dual-Task Walking In Cognitively Healthy Women. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 173.	0.2	0
54	Fractionized Exercise Improves Cognitive Performance Under Conditions Of Normal And Long Duration Sleep. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 311-311.	0.2	0

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55	One Week Of Long Duration Sleep Improves Forearm Reactive Hyperemia. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 89-90.	0.2	0
56	Fatigue in Females and Males in Response to Repeated Bouts of 30 s Sprint Cycling Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S274.	0.2	0
57	The Effect of Respiratory Muscle Training on Heart Rate Variability in Healthy Young Adults. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S316.	0.2	0
58	Forearm Blood Flow and Motor Unit Recruitment during Fast and Slow Ramp Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S426.	0.2	0
59	Forearm Blood Flow is Similar Between Females and Males During Dynamic Submaximal Handgrip Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S426-S427.	0.2	0
60	Oral Tetrahydrobiopterin and the influence of age on female leg hemodynamics at rest and during exercise. <i>FASEB Journal</i> , 2011, 25, 1056.17.	0.2	0
61	Trunk Fat Plays An Intermediary Role Between Daily Ambulation and Carotid Stiffness In Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 264.	0.2	0
62	Effects of L-citrulline on Blood Pressure Response to Exercise in Older and Younger Adults. <i>FASEB Journal</i> , 2018, 32, 724.3.	0.2	0
63	Patterns of Conduit Artery Shear Stress Across the Menopause Transition. <i>FASEB Journal</i> , 2018, 32, 1b308.	0.2	0
64	Effects of Increased Preload on Cardiac Function in Younger vs Older Women. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 635-636.	0.2	0
65	Longitudinal Associations Between Handgrip Strength and Cardiovascular Biomarkers Among Rural Adults: A Project FRONTIER. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 220-221.	0.2	0