

# Rodrigo Fernandez-Gonzalo

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,721  
citations

257450

24  
h-index

289244

40  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Skeletal muscle functional and structural adaptations after eccentric overload flywheel resistance training: a systematic review and meta-analysis. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, 943-951.	1.3	131
2	Aerobic exercise does not compromise muscle hypertrophy response to short-term resistance training. <i>Journal of Applied Physiology</i> , 2013, 114, 81-89.	2.5	109
3	Muscle damage responses and adaptations to eccentric-overload resistance exercise in men and women. <i>European Journal of Applied Physiology</i> , 2014, 114, 1075-1084.	2.5	98
4	Clinical Applications of Iso-Inertial, Eccentric-Overload (YoYoâ„†) Resistance Exercise. <i>Frontiers in Physiology</i> , 2017, 8, 241.	2.8	97
5	Role of Toll-like receptor 2 and 4 signaling pathways on the inflammatory response to resistance training in elderly subjects. <i>Age</i> , 2014, 36, 9734.	3.0	85
6	Impact of resistance training on the autophagy-inflammation-apoptosis crosstalk in elderly subjects. <i>Aging</i> , 2017, 9, 408-418.	3.1	73
7	Exercise-induced AMPK activation does not interfere with muscle hypertrophy in response to resistance training in men. <i>Journal of Applied Physiology</i> , 2014, 116, 611-620.	2.5	67
8	Aerobic Exercise Alters Skeletal Muscle Molecular Responses to Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1680-1688.	0.4	66
9	Effects of Inertial Setting on Power, Force, Work, and Eccentric Overload During Flywheel Resistance Exercise in Women and Men. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 1653-1661.	2.1	57
10	Effects of eccentric exercise on toll-like receptor 4 signaling pathway in peripheral blood mononuclear cells. <i>Journal of Applied Physiology</i> , 2012, 112, 2011-2018.	2.5	56
11	Muscle, functional and cognitive adaptations after flywheel resistance training in stroke patients: a pilot randomized controlled trial. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 37.	4.6	54
12	Acute molecular responses in untrained and trained muscle subjected to aerobic and resistance exercise training versus resistance training alone. <i>Acta Physiologica</i> , 2013, 209, 283-294.	3.8	53
13	MRI-Based Regional Muscle Use during Hamstring Strengthening Exercises in Elite Soccer Players. <i>PLoS ONE</i> , 2016, 11, e0161356.	2.5	53
14	Impact of Particle Irradiation on the Immune System: From the Clinic to Mars. <i>Frontiers in Immunology</i> , 2017, 8, 177.	4.8	52
15	Effects of aerobic training on markers of autophagy in the elderly. <i>Age</i> , 2016, 38, 33.	3.0	48
16	Truncated splice variant PGC-1<i>±</i>4 is not associated with exercise-induced human muscle hypertrophy. <i>Acta Physiologica</i> , 2014, 212, 142-151.	3.8	42
17	Whole-body vibration improves the anti-inflammatory status in elderly subjects through toll-like receptor 2 and 4 signaling pathways. <i>Mechanisms of Ageing and Development</i> , 2015, 150, 12-19.	4.6	41
18	Genetic and epigenetic regulation of skeletal muscle ribosome biogenesis with exercise. <i>Journal of Physiology</i> , 2021, 599, 3363-3384.	2.9	40

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19	Individual Muscle use in Hamstring Exercises by Soccer Players Assessed using Functional MRI. <i>International Journal of Sports Medicine</i> , 2016, 37, 559-564.	1.7	39
20	Effects of a resistance training program and subsequent detraining on muscle strength and muscle power in multiple sclerosis patients. <i>NeuroRehabilitation</i> , 2014, 34, 523-530.	1.3	35
21	Aerobic exercise augments muscle transcriptome profile of resistance exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1279-R1287.	1.8	33
22	Three months of bed rest induce a residual transcriptomic signature resilient to resistance exercise countermeasures. <i>FASEB Journal</i> , 2020, 34, 7958-7969.	0.5	33
23	Unilateral lower limb suspension: From subject selection to "omic" responses. <i>Journal of Applied Physiology</i> , 2016, 120, 1207-1214.	2.5	28
24	Chronic stroke patients show early and robust improvements in muscle and functional performance in response to eccentric-overload flywheel resistance training: a pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 150.	4.6	25
25	Metabolic adaptations in skeletal muscle after 84 days of bed rest with and without concurrent flywheel resistance exercise. <i>Journal of Applied Physiology</i> , 2017, 122, 96-103.	2.5	24
26	Muscle2View, a CellProfiler pipeline for detection of the capillary-to-muscle fiber interface and high-content quantification of fiber type-specific histology. <i>Journal of Applied Physiology</i> , 2019, 127, 1698-1709.	2.5	24
27	Effects of high-speed power training on muscle strength and power in patients with multiple sclerosis. <i>Journal of Rehabilitation Research and Development</i> , 2016, 53, 359-368.	1.6	24
28	TLR4-Mediated Blunting of Inflammatory Responses to Eccentric Exercise in Young Women. <i>Mediators of Inflammation</i> , 2014, 2014, 1-11.	3.0	21
29	Regional and muscle-specific adaptations in knee extensor hypertrophy using flywheel versus conventional weight-stack resistance exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 827-833.	1.9	21
30	MEF2 as upstream regulator of the transcriptome signature in human skeletal muscle during unloading. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R799-R809.	1.8	19
31	Circulatory factors associated with function and prognosis in patients with severe heart failure. <i>Clinical Research in Cardiology</i> , 2020, 109, 655-672.	3.3	19
32	Comparison of the musculoskeletal effects of different iso-inertial resistance training modalities: Flywheel vs. electric motor. <i>European Journal of Sport Science</i> , 2019, 19, 1184-1194.	2.7	18
33	Comparison of Technical and Physiological Characteristics of Prepubescent Soccer Players of Different Ages. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 1790-1798.	2.1	16
34	Flywheel Resistance Exercise to Maintain Muscle Oxidative Potential During Unloading. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 694-699.	0.5	15
35	Acute endurance exercise stimulates circulating levels of mitochondrial-derived peptides in humans. <i>Journal of Applied Physiology</i> , 2021, 131, 1035-1042.	2.5	14
36	Early accentuated muscle hypertrophy is strongly associated with myonuclear accretion. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R50-R58.	1.8	13

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37	RaceRunning training improves stamina and promotes skeletal muscle hypertrophy in young individuals with cerebral palsy. BMC Musculoskeletal Disorders, 2020, 21, 193.	1.9	13
38	Gravity-Related Immunological Changes in Human Whole Blood Cultured Under Simulated Microgravity Using an <i>In Vitro</i> Cytokine Release Assay. Journal of Interferon and Cytokine Research, 2017, 37, 531-540.	1.2	12
39	Healthy skeletal muscle aging: The role of satellite cells, somatic mutations and exercise. International Review of Cell and Molecular Biology, 2019, 346, 157-200.	3.2	10
40	Skeletal muscle signaling responses to resistance exercise of the elbow extensors are not compromised by a preceding bout of aerobic exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R83-R92.	1.8	10
41	Reduced mitochondrial DNA and OXPHOS protein content in skeletal muscle of children with cerebral palsy. Developmental Medicine and Child Neurology, 2021, 63, 1204-1212.	2.1	9
42	Substantial and Reproducible Individual Variability in Skeletal Muscle Outcomes in the Cross-Over Designed Planica Bed Rest Program. Frontiers in Physiology, 2021, 12, 676501.	2.8	6
43	Effects of a 4-week eccentric training program on the repeated bout effect in young active women. Journal of Sports Science and Medicine, 2011, 10, 692-9.	1.6	6
44	Epigenetic Marks at the Ribosomal DNA Promoter in Skeletal Muscle Are Negatively Associated With Degree of Impairment in Cerebral Palsy. Frontiers in Pediatrics, 2020, 8, 236.	1.9	4
45	Elastic Band Training for Multiple Sclerosis Patients: a Pilot Study. Journal of Physical Therapy Science, 2011, 23, 307-311.	0.6	3
46	Aerobic Exercise Augments the Muscle Transcriptome Profile of Subsequent Resistance Exercise. Medicine and Science in Sports and Exercise, 2016, 48, 16.	0.4	1
47	Response to letter to the Editor Re: Skeletal muscle functional and structural adaptations after eccentric overload flywheel resistance training: A systematic review and meta-analysis. Journal of Science and Medicine in Sport, 2018, 21, 230-231.	1.3	1
48	Beneficial effect of physical exercise on telomere length and aging, and genetics of aging-associated noncommunicable diseases. , 2019, , 509-538.		1
49	Comparative analysis of power, work and muscle activation during weight-stack and iso-inertial flywheel resistance exercise in young adults with cerebral palsy. Journal of Rehabilitation Medicine, 2020, 52, jrm00060.	1.1	1
50	Ribosomal DNA Transcription Induced by Acute Resistance Exercise is Dependent on rDNA Gene Dosage but not Promoter Methylation. FASEB Journal, 2020, 34, 1-1.	0.5	1
51	A Single Bout of Aerobic Exercise Compromises Down-regulation of MuRF Expression Subsequent to Resistance Exercise. Medicine and Science in Sports and Exercise, 2011, 43, 42.	0.4	0
52	Concurrent Exercise of the Arm Extensors Modulates Anabolic Signaling and Gene Expression for Ribosome Biogenesis. Medicine and Science in Sports and Exercise, 2019, 51, 145-146.	0.4	0
53	The Skeletal Muscle Transcriptome Signature of 84-day Bed Rest and its Reversal by Resistance Exercise. Medicine and Science in Sports and Exercise, 2019, 51, 146-146.	0.4	0
54	Racerunning Training For 12 Weeks Improves Physical Fitness And Promotes Skeletal Muscle Hypertrophy In Adolescents And Young Adults With Cerebral Palsy. Medicine and Science in Sports and Exercise, 2020, 52, 325-325.	0.4	0

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55	Reply to Egginton et al.: The utility of the Muscle2View pipeline to quantify the capillary-to-muscle fiber interface. <i>Journal of Applied Physiology</i> , 2020, 128, 460-461.	2.5	0
56	Is training-induced increase in muscle mass influenced by ACTN3 genotype?. <i>FASEB Journal</i> , 2018, 32, 768.7.	0.5	0
57	Combined Effects Of Unloading And Radiation On Skeletal Muscle In Mice. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 923-923.	0.4	0
58	Skeletal Muscle Size Is An Important Factor For Racercrossing Performance In Individuals With Cerebral Palsy. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 475-475.	0.4	0