

# 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	Genetic and epigenetic regulation of skeletal muscle ribosome biogenesis with exercise. <i>Journal of Physiology</i> , 2021, 599, 3363-3384.	2.9	40
2	Reduced mitochondrial DNA and OXPHOS protein content in skeletal muscle of children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2021, 63, 1204-1212.	2.1	9
3	Substantial and Reproducible Individual Variability in Skeletal Muscle Outcomes in the Cross-Over Designed Planica Bed Rest Program. <i>Frontiers in Physiology</i> , 2021, 12, 676501.	2.8	6
4	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
5	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
6	Racerunning Training For 12 Weeks Improves Physical Fitness And Promotes Skeletal Muscle Hypertrophy In Adolescents And Young Adults With Cerebral Palsy. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 325-325.	0.4	0
7	Comparative analysis of power, work and muscle activation during weight-stack and iso-inertial flywheel resistance exercise in young adults with cerebral palsy. <i>Journal of Rehabilitation Medicine</i> , 2020, 52, jrm00060.	1.1	1
8	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
9	Epigenetic Marks at the Ribosomal DNA Promoter in Skeletal Muscle Are Negatively Associated With Degree of Impairment in Cerebral Palsy. <i>Frontiers in Pediatrics</i> , 2020, 8, 236.	1.9	4
10	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
11	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
12	RaceRunning training improves stamina and promotes skeletal muscle hypertrophy in young individuals with cerebral palsy. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 193.	1.9	13
13	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
14	Ribosomal DNA Transcription Induced by Acute Resistance Exercise is Dependent on rDNA Gene Dosage but not Promoter Methylation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
15	Skeletal Muscle Size Is An Important Factor For Racerunning Performance In Individuals With Cerebral Palsy. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 475-475.	0.4	0
16	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
17	Beneficial effect of physical exercise on telomere length and aging, and genetics of aging-associated noncommunicable diseases. , 2019, , 509-538.		1
18	Healthy skeletal muscle aging: The role of satellite cells, somatic mutations and exercise. <i>International Review of Cell and Molecular Biology</i> , 2019, 346, 157-200.	3.2	10

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19	Skeletal muscle signaling responses to resistance exercise of the elbow extensors are not compromised by a preceding bout of aerobic exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R83-R92.	1.8	10
20	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
21	Concurrent Exercise of the Arm Extensors Modulates Anabolic Signaling and Gene Expression for Ribosome Biogenesis. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 145-146.	0.4	0
22	The Skeletal Muscle Transcriptome Signature of 84-day Bed Rest and its Reversal by Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 146-146.	0.4	0
23	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
24	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. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 230-231.	1.3	1
25	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
26	Is training-induced increase in muscle mass influenced by ACTN3 genotype?. <i>FASEB Journal</i> , 2018, 32, 768.7.	0.5	0
27	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
28	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
29	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
30	Gravity-Related Immunological Changes in Human Whole Blood Cultured Under Simulated Microgravity Using an <i>In Vitro</i> Cytokine Release Assay. <i>Journal of Interferon and Cytokine Research</i> , 2017, 37, 531-540.	1.2	12
31	Clinical Applications of Iso-Inertial, Eccentric-Overload (YoYo <sup>®</sup> , <sup>®</sup> ) Resistance Exercise. <i>Frontiers in Physiology</i> , 2017, 8, 241.	2.8	97
32	Impact of Particle Irradiation on the Immune System: From the Clinic to Mars. <i>Frontiers in Immunology</i> , 2017, 8, 177.	4.8	52
33	Impact of resistance training on the autophagy-inflammation-apoptosis crosstalk in elderly subjects. <i>Aging</i> , 2017, 9, 408-418.	3.1	73
34	Aerobic Exercise Augments the Muscle Transcriptome Profile of Subsequent Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 16.	0.4	1
35	MRI-Based Regional Muscle Use during Hamstring Strengthening Exercises in Elite Soccer Players. <i>PLoS ONE</i> , 2016, 11, e0161356.	2.5	53
36	Unilateral lower limb suspension: From subject selection to economic responses. <i>Journal of Applied Physiology</i> , 2016, 120, 1207-1214.	2.5	28

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37	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
38	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
39	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
40	Effects of aerobic training on markers of autophagy in the elderly. <i>Age</i> , 2016, 38, 33.	3.0	48
41	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
42	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
43	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
44	TLR4-Mediated Blunting of Inflammatory Responses to Eccentric Exercise in Young Women. <i>Mediators of Inflammation</i> , 2014, 2014, 1-11.	3.0	21
45	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
46	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
47	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
48	Truncated splice variant PGC-1 $\alpha$ is not associated with exercise-induced human muscle hypertrophy. <i>Acta Physiologica</i> , 2014, 212, 142-151.	3.8	42
49	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
50	Flywheel Resistance Exercise to Maintain Muscle Oxidative Potential During Unloading. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 694-699.	0.5	15
51	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
52	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
53	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
54	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

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55	A Single Bout of Aerobic Exercise Compromises Down-regulation of MuRF Expression Subsequent to Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 42.	0.4	0
56	Elastic Band Training for Multiple Sclerosis Patients: a Pilot Study. <i>Journal of Physical Therapy Science</i> , 2011, 23, 307-311.	0.6	3
57	Effects of a 4-week eccentric training program on the repeated bout effect in young active women. <i>Journal of Sports Science and Medicine</i> , 2011, 10, 692-9.	1.6	6
58	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