

# Martino V Franchi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8696341/publications.pdf>

Version: 2024-02-01

63

papers

2,498

citations

279798

23

h-index

214800

47

g-index

73

all docs

73

docs citations

73

times ranked

2867

citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromuscular Aging: A Case for the Neuroprotective Effects of Dancing. <i>Gerontology</i> , 2023, 69, 73-81.	2.8	4
2	Altered regional 3D shear wave velocity patterns in youth competitive alpine skiers suffering from patellar tendon complaints – a prospective case–control study. <i>European Journal of Sport Science</i> , 2023, 23, 1068-1076.	2.7	3
3	Biceps femoris long head sarcomere and fascicle length adaptations after 3 weeks of eccentric exercise training. <i>Journal of Sport and Health Science</i> , 2022, 11, 43-49.	6.5	34
4	Skeletal muscle and cerebral oxygenation levels during and after submaximal concentric and eccentric isokinetic exercise. <i>Journal of Sports Sciences</i> , 2022, 40, 195-202.	2.0	5
5	Accelerated Muscle Deoxygenation in Aerobically Fit Subjects During Exhaustive Exercise Is Associated With the ACE Insertion Allele. <i>Frontiers in Sports and Active Living</i> , 2022, 4, 814975.	1.8	3
6	Early Changes of Hamstrings Morphology and Contractile Properties during 10 d of Complete Inactivity. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 1346-1354.	0.4	9
7	Screening Tests for Assessing Athletes at Risk of ACL Injury or Reinjury – A Scoping Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2864.	2.6	9
8	Letter to the editor concerning the article “The role of exercise selection in regional Muscle Hypertrophy: A randomized controlled trial” by Zabaleta-Korta et al. (2021). <i>Journal of Sports Sciences</i> , 2022, 40, 655-657.	2.0	0
9	The influence of longitudinal muscle fascicle growth on mechanical function. <i>Journal of Applied Physiology</i> , 2022, 133, 87-103.	2.5	22
10	Signatures of muscle disuse in spaceflight and bed rest revealed by single muscle fiber proteomics. , 2022, 1, .		22
11	Detraining of specific neuromuscular qualities in elite footballers during COVID-19 quarantine. <i>Science and Medicine in Football</i> , 2021, 5, 26-31.	2.0	28
12	Impact of sedentarism due to the COVID-19 home confinement on neuromuscular, cardiovascular and metabolic health: Physiological and pathophysiological implications and recommendations for physical and nutritional countermeasures. <i>European Journal of Sport Science</i> , 2021, 21, 614-635.	2.7	287
13	Are muscle fibres of body builders intrinsically weaker? A comparison with single fibres of aged-matched controls. <i>Acta Physiologica</i> , 2021, 231, e13557.	3.8	13
14	Changes in Biceps Femoris Long Head Fascicle Length after 10-d Bed Rest Assessed with Different Ultrasound Methods. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1529-1536.	0.4	13
15	Three-Dimensional Mapping of Shear Wave Velocity in Human Tendon: A Proof of Concept Study. <i>Sensors</i> , 2021, 21, 1655.	3.8	7
16	Implementing Ultrasound Imaging for the Assessment of Muscle and Tendon Properties in Elite Sports: Practical Aspects, Methodological Considerations and Future Directions. <i>Sports Medicine</i> , 2021, 51, 1151-1170.	6.5	44
17	The Impact of Coronavirus (COVID-19) Related Public-Health Measures on Training Behaviours of Individuals Previously Participating in Resistance Training: A Cross-Sectional Survey Study. <i>Sports Medicine</i> , 2021, 51, 1561-1580.	6.5	23
18	Neuromuscular junction instability and altered intracellular calcium handling as early determinants of force loss during unloading in humans. <i>Journal of Physiology</i> , 2021, 599, 3037-3061.	2.9	55

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19	Age-related alterations in muscle architecture are a signature of sarcopenia: the ultrasound sarcopenia index. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 973-982.	7.3	38
20	ACS Auto-semi-automatic assessment of human vastus lateralis and rectus femoris cross-sectional area in ultrasound images. <i>Scientific Reports</i> , 2021, 11, 13042.	3.3	9
21	Muscle and tendon adaptations to moderate load eccentric vs. concentric resistance exercise in young and older males. <i>GeroScience</i> , 2021, 43, 1567-1584.	4.6	28
22	JNK activation in TA and EDL muscle is load-dependent in rats receiving identical excitation patterns. <i>Scientific Reports</i> , 2021, 11, 16405.	3.3	4
23	Peripheral nerve adaptations to 10 days of horizontal bed rest in healthy young adult males. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R495-R503.	1.8	10
24	Omega-3 supplementation during unilateral resistance exercise training in older women: A within subject and double-blind placebo-controlled trial. <i>Clinical Nutrition ESPEN</i> , 2021, 46, 394-404.	1.2	8
25	Active older dancers have lower C-terminal Agrin fragment concentration, better balance and gait performance than sedentary peers. <i>Experimental Gerontology</i> , 2021, 153, 111469.	2.8	9
26	M. Biceps Femoris Long Head Architecture and Sprint Ability in Youth Soccer Players. <i>International Journal of Sports Physiology and Performance</i> , 2021, 16, 1616-1624.	2.3	6
27	The Cardiovascular Response to Interval Exercise Is Modified by the Contraction Type and Training in Proportion to Metabolic Stress of Recruited Muscle Groups. <i>Sensors</i> , 2021, 21, 173.	3.8	3
28	Ultrasound-derived Biceps Femoris Long Head Fascicle Length: Extrapolation Pitfalls. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 233-243.	0.4	69
29	The Time-Course of Changes in Muscle Mass, Architecture and Power During 6 Weeks of Plyometric Training. <i>Frontiers in Physiology</i> , 2020, 11, 946.	2.8	21
30	Longitudinal hypertrophic and transcriptional responses to high-load eccentric-concentric vs concentric training in males. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2101-2115.	2.9	11
31	Panoramic ultrasound vs. MRI for the assessment of hamstrings cross-sectional area and volume in a large athletic cohort. <i>Scientific Reports</i> , 2020, 10, 14144.	3.3	21
32	Impact of Potential Physiological Changes due to COVID-19 Home Confinement on Athlete Health Protection in Elite Sports: a Call for Awareness in Sports Programming. <i>Sports Medicine</i> , 2020, 50, 1417-1419.	6.5	120
33	Recommendations for altitude training programming to preserve athletes' health after the COVID-19 pandemic. <i>British Journal of Sports Medicine</i> , 2020, 54, 1184-1186.	6.7	8
34	Sharing information is probably more helpful than providing generic training recommendations on return to play after COVID-19 home confinement. <i>Science and Medicine in Football</i> , 2020, 4, 169-170.	2.0	13
35	Muscle activation during leg-press exercise with or without eccentric overload. <i>European Journal of Applied Physiology</i> , 2020, 120, 1651-1656.	2.5	7
36	Early Biomarkers of Muscle Atrophy and of Neuromuscular Alterations During 10-Day Bed Rest. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	9

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37	Large Hypertrophy but Unmodified Specific Tension of Single Fibers of Body Builders. FASEB Journal, 2020, 34, 1-1.	0.5	0
38	Last Word on Viewpoint: Even more recipes to try, yet know what to put in the pan, as well as when and why. Journal of Applied Physiology, 2019, 127, 892-892.	2.5	0
39	Tendon Adaptations to Eccentric Exercise and the Implications for Older Adults. Journal of Functional Morphology and Kinesiology, 2019, 4, 60.	2.4	7
40	Distinct modalities of eccentric exercise: different recipes, not the same dish. Journal of Applied Physiology, 2019, 127, 881-883.	2.5	20
41	Maximal Eccentric Hamstrings Strength in Competitive Alpine Skiers: Cross-Sectional Observations From Youth to Elite Level. Frontiers in Physiology, 2019, 10, 88.	2.8	17
42	Cellular Aspects of Muscle Specialization Demonstrate Genotype “ Phenotype Interaction Effects in Athletes. Frontiers in Physiology, 2019, 10, 526.	2.8	24
43	Bouncing Back! Counteracting Muscle Aging With Plyometric Muscle Loading. Frontiers in Physiology, 2019, 10, 178.	2.8	26
44	A double-blind placebo controlled trial into the impacts of HMB supplementation and exercise on free-living muscle protein synthesis, muscle mass and function, in older adults. Clinical Nutrition, 2019, 38, 2071-2078.	5.0	25
45	Concentric and Eccentric Pedaling-Type Interval Exercise on a Soft Robot for Stable Coronary Artery Disease Patients: Toward a Personalized Protocol. JMIR Research Protocols, 2019, 8, e10970.	1.0	5
46	Regional regulation of focal adhesion kinase after concentric and eccentric loading is related to remodelling of human skeletal muscle. Acta Physiologica, 2018, 223, e13056.	3.8	73
47	Response to the letter to editor by Dankel et al. 2017 “Changes in muscle size via MRI and ultrasound: Are they equivalent?”. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 1469-1469.	2.9	2
48	Muscle and Tendon Contributions to Reduced Rate of Torque Development in Healthy Older Males. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 539-545.	3.6	33
49	Muscle thickness correlates to muscle cross-sectional area in the assessment of strength training-induced hypertrophy. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 846-853.	2.9	193
50	Knee Extensors Muscle Plasticity Over a 5-Years Rehabilitation Process After Open Knee Surgery. Frontiers in Physiology, 2018, 9, 1343.	2.8	12
51	Muscle Architecture Assessment: Strengths, Shortcomings and New Frontiers of in Vivo Imaging Techniques. Ultrasound in Medicine and Biology, 2018, 44, 2492-2504.	1.5	96
52	Does a Better Perfusion of Deconditioned Muscle Tissue Release Chronic Low Back Pain?. Frontiers in Medicine, 2018, 5, 77.	2.6	15
53	Hypertrophic Effects of Concentric vs. Eccentric Muscle Actions: A Systematic Review and Meta-analysis. Journal of Strength and Conditioning Research, 2017, 31, 2599-2608.	2.1	72
54	Eccentric Exercise and the Critically Ill Patient. Frontiers in Physiology, 2017, 8, 120.	2.8	26

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55	Editorial: Physiology and Clinical Potential of Eccentric Exercise. <i>Frontiers in Physiology</i> , 2017, 8, 891.	2.8	4
56	Skeletal Muscle Remodeling in Response to Eccentric vs. Concentric Loading: Morphological, Molecular, and Metabolic Adaptations. <i>Frontiers in Physiology</i> , 2017, 8, 447.	2.8	226
57	Fascicle length does increase in response to longitudinal resistance training and in a contraction-mode specific manner. <i>SpringerPlus</i> , 2016, 5, 94.	1.2	26
58	Muscle structural assembly and functional consequences. <i>Journal of Experimental Biology</i> , 2016, 219, 276-284.	1.7	104
59	Early structural remodeling and deuterium oxide-derived protein metabolic responses to eccentric and concentric loading in human skeletal muscle. <i>Physiological Reports</i> , 2015, 3, e12593.	1.7	57
60	Differential expression of perilipin 2 and 5 in human skeletal muscle during aging and their association with atrophy-related genes. <i>Biogerontology</i> , 2015, 16, 329-340.	3.9	23
61	Architectural, functional and molecular responses to concentric and eccentric loading in human skeletal muscle. <i>Acta Physiologica</i> , 2014, 210, 642-654.	3.8	266
62	A validation of the application of D <sub>2</sub> O stable isotope tracer techniques for monitoring day-to-day changes in muscle protein subfraction synthesis in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E571-E579.	3.5	159
63	Plyometric Training Induces Early Gains in Muscle Size, Strength and Power in Older Sarcopenic Males. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 124.	0.4	0