

# Carlos Balsalobre-Fernández

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,864  
citations

394286

19  
h-index

276775

41  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rating of perceived exertion and velocity loss as variables for controlling the level of effort in the bench press exercise. <i>Sports Biomechanics</i> , 2022, 21, 41-55.	0.8	3
2	Jump and Change of Direction Speed Asymmetry Using Smartphone Apps: Between-Session Consistency and Associations With Physical Performance. <i>Journal of Strength and Conditioning Research</i> , 2022, 36, 927-934.	1.0	12
3	A Systematic Review of the Effects of Different Resistance Training Volumes on Muscle Hypertrophy. <i>Journal of Human Kinetics</i> , 2022, 81, 199-210.	0.7	19
4	Repetitions in Reserve and Rate of Perceived Exertion Increase the Prediction Capabilities of the Load-Velocity Relationship. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, 724-730.	1.0	14
5	Use of Machine-Learning and Load-Velocity Profiling to Estimate 1-Repetition Maximums for Two Variations of the Bench-Press Exercise. <i>Sports</i> , 2021, 9, 39.	0.7	5
6	The Implementation of Velocity-Based Training Paradigm for Team Sports: Framework, Technologies, Practical Recommendations and Challenges. <i>Sports</i> , 2021, 9, 47.	0.7	21
7	Effects of an eccentric overload and small-side games training in match accelerations and decelerations performance in female under-23 soccer players. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, 61, 365-371.	0.4	6
8	Smartphone and Tablet Software Apps to Collect Data in Sport and Exercise Settings: Cross-sectional International Survey. <i>JMIR MHealth and UHealth</i> , 2021, 9, e21763.	1.8	9
9	Letter to the Editor Concerning the Article "Reproducibility and Repeatability of Five Different Technologies for Bar Velocity Measurement in Resistance Training" by Courel-Ibáñez et al. (2019). <i>Annals of Biomedical Engineering</i> , 2020, 48, 4-5.	1.3	3
10	Author's Response. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, e247-e247.	1.0	0
11	Immediate Impact of the COVID-19 Confinement on Physical Activity Levels in Spanish Adults. <i>Sustainability</i> , 2020, 12, 5708.	1.6	91
12	Validity and reliability of a computer-vision-based smartphone app for measuring barbell trajectory during the snatch. <i>Journal of Sports Sciences</i> , 2020, 38, 710-716.	1.0	16
13	A Cluster Set Protocol in the Half Squat Exercise Reduces Mechanical Fatigue and Lactate Concentrations in Comparison with a Traditional Set Configuration. <i>Sports</i> , 2020, 8, 45.	0.7	5
14	Repetitions in reserve vs. maximum effort resistance training programs in youth female athletes. <i>Journal of Sports Medicine and Physical Fitness</i> , 2020, 60, 1231-1239.	0.4	14
15	Manuscript Clarification. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, e277-e277.	1.0	0
16	Concurrent validity and reliability of an iPhone app for the measurement of ankle dorsiflexion and inter-limb asymmetries. <i>Journal of Sports Sciences</i> , 2019, 37, 249-253.	1.0	23
17	The validity and reliability of a novel app for the measurement of change of direction performance. <i>Journal of Sports Sciences</i> , 2019, 37, 2420-2424.	1.0	14
18	Bilateral and unilateral load-velocity profiling in a machine-based, single-joint, lower body exercise. <i>PLoS ONE</i> , 2019, 14, e0222632.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Validity and reliability of the WIMU <sup>®</sup> system to measure barbell velocity during the half-squat exercise. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2019, 233, 408-415.	0.4	6
20	Precision of 7 Commercially Available Devices for Predicting Bench-Press 1-Repetition Maximum From the Individual Load-Velocity Relationship. International Journal of Sports Physiology and Performance, 2019, 14, 1442-1446.	1.1	38
21	Effects of 7-Week Hip Thrust Versus Back Squat Resistance Training on Performance in Adolescent Female Soccer Players. Sports, 2019, 7, 80.	0.7	22
22	The effects of exercise variation in muscle thickness, maximal strength and motivation in resistance trained men. PLoS ONE, 2019, 14, e0226989.	1.1	19
23	Use of Mobile Applications to Collect Data in Sport, Health, and Exercise Science: A Narrative Review. Journal of Strength and Conditioning Research, 2019, 33, 1167-1177.	1.0	61
24	The load-velocity profile differs more between men and women than between individuals with different strength levels. Sports Biomechanics, 2019, 18, 245-255.	0.8	58
25	Effects of Vibration and Non-Vibration Foam Rolling on Recovery after Exercise with Induced Muscle Damage. Journal of Sports Science and Medicine, 2019, 18, 172-180.	0.7	28
26	Potential Effects of the French Contrast Method on Vertical Jumping Ability. Journal of Strength and Conditioning Research, 2018, 32, 1909-1914.	1.0	6
27	Validity and reliability of a novel iPhone app for the measurement of barbell velocity and 1RM on the bench-press exercise. Journal of Sports Sciences, 2018, 36, 64-70.	1.0	91
28	Load-velocity profiling in the military press exercise: Effects of gender and training. International Journal of Sports Science and Coaching, 2018, 13, 743-750.	0.7	45
29	Feasibility of the 2-Point Method for Determining the 1-Repetition Maximum in the Bench Press Exercise. International Journal of Sports Physiology and Performance, 2018, 13, 474-481.	1.1	76
30	Movement velocity in the chair squat is associated with measures of functional capacity and cognition in elderly people at low risk of fall. PeerJ, 2018, 6, e4712.	0.9	13
31	The effects of beetroot juice supplementation on exercise economy, rating of perceived exertion and running mechanics in elite distance runners: A double-blinded, randomized study. PLoS ONE, 2018, 13, e0200517.	1.1	19
32	Load-, Force-, and Power-Velocity Relationships in the Prone Pull-Up Exercise. International Journal of Sports Physiology and Performance, 2017, 12, 1249-1255.	1.1	47
33	The Validity and Reliability of an iPhone App for Measuring Running Mechanics. Journal of Applied Biomechanics, 2017, 33, 222-226.	0.3	40
34	Sprint performance and mechanical outputs computed with an iPhone app: Comparison with existing reference methods. European Journal of Sport Science, 2017, 17, 386-392.	1.4	122
35	Analysis of Wearable and Smartphone-Based Technologies for the Measurement of Barbell Velocity in Different Resistance Training Exercises. Frontiers in Physiology, 2017, 8, 649.	1.3	87
36	Validity and Reliability of the PUSH Wearable Device to Measure Movement Velocity During the Back Squat Exercise. Journal of Strength and Conditioning Research, 2016, 30, 1968-1974.	1.0	86

#	ARTICLE	IF	CITATIONS
37	Intersession and Intrasession Reliability and Validity of the My Jump App for Measuring Different Jump Actions in Trained Male and Female Athletes. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 2049-2056.	1.0	86
38	Effects of Strength Training on Running Economy in Highly Trained Runners: A Systematic Review With Meta-Analysis of Controlled Trials. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 2361-2368.	1.0	100
39	Differences of muscular performance between professional and young basketball players. <i>Cultura, Ciencia Y Deporte</i> , 2016, 11, 61-65.	0.3	7
40	The Effects of Caffeine Supplementation on Physiological Responses to Submaximal Exercise in Endurance-Trained Men. <i>PLoS ONE</i> , 2016, 11, e0161375.	1.1	16
41	Jump-Squat Performance and Its Relationship With Relative Training Intensity in High-Level Athletes. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 1036-1040.	1.1	13
42	The validity and reliability of an iPhone app for measuring vertical jump performance. <i>Journal of Sports Sciences</i> , 2015, 33, 1574-1579.	1.0	296
43	Seasonal strength performance and its relationship with training load on elite runners. <i>Journal of Sports Science and Medicine</i> , 2015, 14, 9-15.	0.7	12
44	Jump-Squat Performance and Its Relationship With Relative Training Intensity in High-Level Athletes. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 1036-40.	1.1	3
45	Relationships between Training Load, Salivary Cortisol Responses and Performance during Season Training in Middle and Long Distance Runners. <i>PLoS ONE</i> , 2014, 9, e106066.	1.1	33
46	Hormonal and Neuromuscular Responses to High-Level Middle- and Long-Distance Competition. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 839-844.	1.1	12
47	The Concurrent Validity and Reliability of a Low-Cost, High-Speed Camera-Based Method for Measuring the Flight Time of Vertical Jumps. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 528-533.	1.0	135
48	The Effects of a Maximal Power Training Cycle on the Strength, Maximum Power, Vertical Jump Height and Acceleration of High-Level 400-Meter Hurdlers. <i>Journal of Human Kinetics</i> , 2013, 36, 119-126.	0.7	20
49	Diferencias en el salto vertical y la velocidad de patada mae-geri entre karatekas internacionales y nacionales. <i>Revista De Artes Marciales Asiáticas</i> , 2013, 8, 13.	0.5	1
50	Relaciones entre el salto vertical y la velocidad de mae-geri en karatekas de nivel internacional, especialidad kata. <i>Apunts Educacion Fisica Y Deportes</i> , 2013, , 58-64.	0.0	0
51	Respuesta láctica de atletas de élite ante un entrenamiento específico para la prueba de 3.000 metros lisos. <i>Apunts Educacion Fisica Y Deportes</i> , 2012, , 90-96.	0.0	0
52	Relación entre potencia máxima, fuerza máxima, salto vertical y sprint de 30 metros en atletas cuatrocientistas de alto rendimiento. <i>Apunts Educacion Fisica Y Deportes</i> , 2012, , 63-69.	0.0	2