

Carlos Balsalobre-Fernández

List of Publications by Year in descending order

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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	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
2	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
3	Sprint performance and mechanical outputs computed with an iPhone app: Comparison with existing reference methods. <i>European Journal of Sport Science</i> , 2017, 17, 386-392.	1.4	122
4	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
5	Validity and reliability of a novel iPhone app for the measurement of barbell velocity and 1RM on the bench-press exercise. <i>Journal of Sports Sciences</i> , 2018, 36, 64-70.	1.0	91
6	Immediate Impact of the COVID-19 Confinement on Physical Activity Levels in Spanish Adults. <i>Sustainability</i> , 2020, 12, 5708.	1.6	91
7	Analysis of Wearable and Smartphone-Based Technologies for the Measurement of Barbell Velocity in Different Resistance Training Exercises. <i>Frontiers in Physiology</i> , 2017, 8, 649.	1.3	87
8	Validity and Reliability of the PUSH Wearable Device to Measure Movement Velocity During the Back Squat Exercise. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 1968-1974.	1.0	86
9	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
10	Feasibility of the 2-Point Method for Determining the 1-Repetition Maximum in the Bench Press Exercise. <i>International Journal of Sports Physiology and Performance</i> , 2018, 13, 474-481.	1.1	76
11	Use of Mobile Applications to Collect Data in Sport, Health, and Exercise Science: A Narrative Review. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 1167-1177.	1.0	61
12	The load-velocity profile differs more between men and women than between individuals with different strength levels. <i>Sports Biomechanics</i> , 2019, 18, 245-255.	0.8	58
13	Load-, Force-, and Power-Velocity Relationships in the Prone Pull-Up Exercise. <i>International Journal of Sports Physiology and Performance</i> , 2017, 12, 1249-1255.	1.1	47
14	Load-velocity profiling in the military press exercise: Effects of gender and training. <i>International Journal of Sports Science and Coaching</i> , 2018, 13, 743-750.	0.7	45
15	The Validity and Reliability of an iPhone App for Measuring Running Mechanics. <i>Journal of Applied Biomechanics</i> , 2017, 33, 222-226.	0.3	40
16	Precision of 7 Commercially Available Devices for Predicting Bench-Press 1-Repetition Maximum From the Individual Load-Velocity Relationship. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 1442-1446.	1.1	38
17	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
18	Effects of Vibration and Non-Vibration Foam Rolling on Recovery after Exercise with Induced Muscle Damage. <i>Journal of Sports Science and Medicine</i> , 2019, 18, 172-180.	0.7	28

#	ARTICLE	IF	CITATIONS
19	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
20	Effects of 7-Week Hip Thrust Versus Back Squat Resistance Training on Performance in Adolescent Female Soccer Players. <i>Sports</i> , 2019, 7, 80.	0.7	22
21	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
22	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
23	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. <i>PLoS ONE</i> , 2018, 13, e0200517.	1.1	19
24	The effects of exercise variation in muscle thickness, maximal strength and motivation in resistance trained men. <i>PLoS ONE</i> , 2019, 14, e0226989.	1.1	19
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	Movement velocity in the chair squat is associated with measures of functional capacity and cognition in elderly people at low risk of fall. <i>PeerJ</i> , 2018, 6, e4712.	0.9	13
33	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
34	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
35	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
36	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

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37	Bilateral and unilateral load-velocity profiling in a machine-based, single-joint, lower body exercise. PLoS ONE, 2019, 14, e0222632.	1.1	8
38	Differences of muscular performance between professional and young basketball players. Cultura, Ciencia Y Deporte, 2016, 11, 61-65.	0.3	7
39	Potential Effects of the French Contrast Method on Vertical Jumping Ability. Journal of Strength and Conditioning Research, 2018, 32, 1909-1914.	1.0	6
40	Validity and reliability of the WIMU® 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
41	Effects of an eccentric overload and small-side games training in match accelerations and decelerations performance in female under-23 soccer players. Journal of Sports Medicine and Physical Fitness, 2021, 61, 365-371.	0.4	6
42	A Cluster Set Protocol in the Half Squat Exercise Reduces Mechanical Fatigue and Lactate Concentrations in Comparison with a Traditional Set Configuration. Sports, 2020, 8, 45.	0.7	5
43	Use of Machine-Learning and Load-Velocity Profiling to Estimate 1-Repetition Maximums for Two Variations of the Bench-Press Exercise. Sports, 2021, 9, 39.	0.7	5
44	Rating of perceived exertion and velocity loss as variables for controlling the level of effort in the bench press exercise. Sports Biomechanics, 2022, 21, 41-55.	0.8	3
45	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). Annals of Biomedical Engineering, 2020, 48, 4-5.	1.3	3
46	Jump-Squat Performance and Its Relationship With Relative Training Intensity in High-Level Athletes. International Journal of Sports Physiology and Performance, 2015, 10, 1036-40.	1.1	3
47	Relación entre potencia máxima, fuerza máxima, salto vertical y sprint de 30 metros en atletas cuatrocientistas de alto rendimiento. Apunts Educacion Fisica Y Deportes, 2012, , 63-69.	0.0	2
48	Diferencias en el salto vertical y la velocidad de patada mae-geri entre karatekas internacionales y nacionales. Revista De Artes Marciales Asiáticas, 2013, 8, 13.	0.5	1
49	Respuesta láctica de atletas de élite ante un entrenamiento específico para la prueba de 3.000 metros lisos. Apunts Educacion Fisica Y Deportes, 2012, , 90-96.	0.0	0
50	Author's Response. Journal of Strength and Conditioning Research, 2020, 34, e247-e247.	1.0	0
51	Relaciones entre el salto vertical y la velocidad de mae-geri en karatecas de nivel internacional, especialidad kata. Apunts Educacion Fisica Y Deportes, 2013, , 58-64.	0.0	0
52	Manuscript Clarification. Journal of Strength and Conditioning Research, 2020, 34, e277-e277.	1.0	0