David Barbado

List of Publications by Year
in descending order

57	748	566801 15	610482 24
papers	citations	h-index	g-index

59	59	59	716
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic and static stability in paraâ€athletes with cerebral palsy considering their impairment profile. PM and R, 2022, 14, 366-376.	0.9	5
2	Visual fixations and visually induced dizziness: An exploratory study. Gait and Posture, 2022, 93, 153-159.	0.6	2
3	Postural control strategies are revealed by the complexity of fractional components of COP. Journal of Neurophysiology, 2022, 127, 1289-1297.	0.9	5
4	Validity and Reliability of a Smartphone App for Gait and Balance Assessment. Sensors, 2022, 22, 124.	2.1	21
5	Clinicalâ€"Functional Evaluation and Testâ€"Retest Reliability of the G-WALK Sensor in Subjects with Bimalleolar Ankle Fractures 6 Months after Surgery. Sensors, 2022, 22, 3050.	2.1	1
6	Measuring Recovery and Understanding Long-Term Deficits in Balance, Ankle Mobility and Hip Strength in People after an Open Reduction and Internal Fixation of Bimalleolar Fracture and Their Impact on Functionality: A 12-Month Longitudinal Study. Journal of Clinical Medicine, 2022, 11, 2539.	1.0	2
7	Physical fitness and throwing speed in U13 versus U15 male handball players. BMC Sports Science, Medicine and Rehabilitation, 2022, 14, .	0.7	2
8	Is the Side Bridge Test Valid and Reliable for Assessing Trunk Lateral Flexor Endurance in Recreational Female Athletes?. Biology, 2022, 11, 1043.	1.3	5
9	Test-Retest Reliability and Known-Groups Validity of Trunk Muscle Tests in People With Multiple Sclerosis: A Cross-Sectional, Case-Control Study. Physical Therapy, 2021, 101, .	1.1	6
10	Balance dynamics are related to age and levels of expertise. Application in young and adult tennis players. PLoS ONE, 2021, 16, e0249941.	1.1	9
11	Are Core Stability Tests Related to Single Leg Squat Performance in Active Females?. International Journal of Environmental Research and Public Health, 2021, 18, 5548.	1.2	1
12	Motor Synergies Measurement Reveals the Relevant Role of Variability in Reward-Based Learning. Sensors, 2021, 21, 6448.	2.1	1
13	Observational Screening Guidelines and Smartphone Accelerometer Thresholds to Establish the Intensity of Some of the Most Popular Core Stability Exercises. Frontiers in Physiology, 2021, 12, 751569.	1.3	3
14	Isokinetic trunk flexionâ€"extension protocol to assess trunk muscle strength and endurance: Reliability, learning effect, and sex differences. Journal of Sport and Health Science, 2020, 9, 692-701.	3.3	24
15	Electromyographic and Kinematic Analysis of the Flexion-Rotation Trunk Test. Journal of Strength and Conditioning Research, 2020, 34, 3386-3394.	1.0	0
16	Postural control quantification in minimally and moderately impaired persons with multiple sclerosis: The reliability of a posturographic test and its relationships with functional ability. Journal of Sport and Health Science, 2020, 9, 677-684.	3.3	11
17	Predicting Bullying through Motivation and Teaching Styles in Physical Education. International Journal of Environmental Research and Public Health, 2020, 17, 87.	1.2	13
18	Quantifying balance deficit in people with ankle fracture six months after surgical intervention through the Y-Balance test. Gait and Posture, 2020, , .	0.6	7

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19	Do Initial Trunk Impairment, Age, Intervention Onset, and Training Volume Modulate the Effectiveness of Additional Trunk Exercise Programs after Stroke? A Systematic Review with Meta-Analyses. International Journal of Environmental Research and Public Health, 2020, 17, 8714.	1.2	4
20	Functional Variability in Team-Handball Players during Balance Is Revealed by Non-Linear Measures and Is Related to Age and Expertise Level. Entropy, 2020, 22, 822.	1.1	8
21	Effects of Maximal Strength Training on Perceived-Fatigue and Functional Mobility in Persons with Relapsing-Remitting Multiple Sclerosis. Medicina (Lithuania), 2020, 56, 718.	0.8	7
22	Understanding the Deterioration of Gait, Postural Control, Lower Limb Strength and Perceived Fatigue Across the Disability Spectrum of People with Multiple Sclerosis. Journal of Clinical Medicine, 2020, 9, 1385.	1.0	7
23	The influence of a badminton competition with two matches in a day on muscle damage and physical performance in elite junior badminton players. Biology of Sport, 2020, 37, 195-201.	1.7	9
24	Inter-Rater Reliability, Concurrent Validity and Sensitivity of Current Methods to Assess Trunk Function in Boccia Players with Cerebral Palsy. Brain Sciences, 2020, 10, 130.	1.1	7
25	Progressions of core stabilization exercises based on postural control challenge assessment. European Journal of Applied Physiology, 2020, 120, 567-577.	1.2	10
26	Evaluation of the bilateral function in para-athletes with spastic hemiplegia: A model-based clustering approach. Journal of Science and Medicine in Sport, 2020, 23, 710-714.	0.6	10
27	Age and sex-related upper body performance differences in competitive young tennis players. PLoS ONE, 2019, 14, e0221761.	1.1	33
28	Do intentionality constraints shape the relationship between motor variability and performance?. PLoS ONE, 2019, 14, e0214237.	1.1	7
29	Tests to Measure Core Stability in Laboratory and Field Settings: Reliability and Correlation Analyses. Journal of Applied Biomechanics, 2019, 35, 223-231.	0.3	6
30	Core Endurance Relationships With Athletic and Functional Performance in Inactive People. Frontiers in Physiology, 2019, 10, 1490.	1.3	11
31	The effects of playing two consecutive matches in the shoulder rotational profiles of elite youth badminton players. Physical Therapy in Sport, 2019, 35, 56-62.	0.8	7
32	How much trunk control is affected in adults with moderate-to-severe cerebral palsy?. Journal of Biomechanics, 2019, 82, 368-374.	0.9	10
33	Reliability assessment and correlation analysis of 3 protocols to measure trunk muscle strength and endurance. Journal of Sports Sciences, 2018, 36, 1-8.	1.0	28
34	Analysis of the capability of non-specific simulation software for studying the dynamic interaction between pantograph and rigid overhead conductor rail. Transportation Research Procedia, 2018, 33, 187-194.	0.8	1
35	Training intensity quantification of core stability exercises based on a smartphone accelerometer. PLoS ONE, 2018, 13, e0208262.	1.1	14
36	Reliability of the Star Excursion Balance Test and Two New Similar Protocols to Measure Trunk Postural Control. PM and R, 2018, 10, 1344-1352.	0.9	12

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37	Impact of a competition with two consecutive matches in a day on physical performance in young tennis players. Applied Physiology, Nutrition and Metabolism, 2017, 42, 750-756.	0.9	40
38	Role of vision in sighted and blind soccer players in adapting to an unstable balance task. Experimental Brain Research, 2017, 235, 1269-1279.	0.7	13
39	Reliability and Repetition Effect of the Center of Pressure and Kinematics Parameters That Characterize Trunk Postural Control During Unstable Sitting Test. PM and R, 2017, 9, 219-230.	0.9	18
40	Manual Dexterity and Intralimb Coordination Assessment to Distinguish Different Levels of Impairment in Boccia Players with Cerebral Palsy. Frontiers in Neurology, 2017, 8, 582.	1.1	12
41	Trunk Stability, Trunk Strength and Sport Performance Level in Judo. PLoS ONE, 2016, 11, e0156267.	1.1	47
42	Sports-related testing protocols are required to reveal trunk stability adaptations in high-level athletes. Gait and Posture, 2016, 49, 90-96.	0.6	30
43	Variations in task constraints shape emergent performance outcomes and complexity levels in balancing. Experimental Brain Research, 2016, 234, 1611-1622.	0.7	17
44	Effect of Performance Speed on Trunk Movement Control During the Curl-Up Exercise. Journal of Human Kinetics, 2015, 46, 29-37.	0.7	2
45	Core stability: evaluaciÃ³n y criterios para su entrenamiento. Revista Andaluza De Medicina Del Deporte, 2015, 8, 130-137.	0.1	10
46	What COP and Kinematic Parameters Better Characterize Postural Control in Standing Balance Tasks?. Journal of Motor Behavior, 2015, 47, 550-562.	0.5	30
47	Core stability. Concepto y aportaciones al entrenamiento y la prevenciÃ³n de lesiones. Revista Andaluza De Medicina Del Deporte, 2015, 8, 79-85.	0.1	22
48	Comparison of shoulder rotation range of motion in professional tennis players with and without history of shoulder pain. Manual Therapy, 2015, 20, 313-318.	1.6	54
49	ExercÃcios de estabilizaÃ§Ã£o do tronco para indivÃduos saudÃ¡veis. Revista Brasileira De Cineantropometria E Desempenho Humano, 2014, 16, .	0.5	5
50	Effect of movement speed on trunk and hip exercise performance. European Journal of Sport Science, 2014, 14, 547-555.	1.4	2
51	Visual availability, balance performance and movement complexity in dancers. Gait and Posture, 2014, 40, 556-560.	0.6	34
52	Differences in isometric strength tests and jump tests between professional and amateur basketball players. Cultura, Ciencia Y Deporte, 2014, 9, 155-162.	0.3	0
53	Active hip and spine ROM differs when comparing unconstrained motion with voluntary segmental constraint. Manual Therapy, 2013, 18, 557-561.	1.6	2
54	Analysis of the relation between throwing speed and throwing accuracy in teamâ€handball according to instruction. European Journal of Sport Science, 2013, 13, 149-154.	1.4	46

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55	CondiciÃ³n muscular y estabilidad del tronco en judocas de nivel nacional e internacional. Revista De Artes Marciales AsiÃ¡ticas, 2013, 8, 451.	0.5	1
56	AplicaciÃ³n de la dinamometrÃa isocinÃ©tica para establecer perfiles de riesgo de lesiÃ³n isquiosural en futbolistas profesionales. [The use of isokinetic dynamometry to establish risk profiles of hamstring injury in professional football players].. RICYDE Revista Internacional De Ciencias Del Deporte, 2013, 10, 333-341.	0.1	3
57	Effect of increasing difficulty in standing balance tasks with visual feedback on postural sway and EMG: Complexity and performance. Human Movement Science, 2012, 31, 1224-1237.	0.6	43