Xavier GarcÃ-a-MassÃ³

List of Publications by Year
in descending order

69 papers	1,118 citations	394421 19 h-index	454955 30 g-index
70 all docs	70 docs citations	70 times ranked	1526 citing authors

#	Article	IF	Citations
1	Concurrent Validation of the OMNI-Resistance Exercise Scale of Perceived Exertion With Thera-Band Resistance Bands. Journal of Strength and Conditioning Research, 2012, 26, 3018-3024.	2.1	92
2	Screen Media Usage, Sleep Time and Academic Performance in Adolescents: Clustering a Self-Organizing Maps Analysis. PLoS ONE, 2014, 9, e99478.	2.5	67
3	Evaluating the structure and use of hiking trails in recreational areas using a mixed GPS tracking and graph theory approach. Applied Geography, 2014, 55, 184-192.	3.7	56
4	Use of Heart Rate Variability in Monitoring Stress and Recovery in Judo Athletes. Journal of Strength and Conditioning Research, 2014, 28, 1896-1905.	2.1	54
5	Effects of Aquatic and Dry Land Resistance Training Devices on Body Composition and Physical Capacity in Postmenopausal Women. Journal of Human Kinetics, 2012, 32, 185-195.	1.5	46
6	The Progression of Paraspinal Muscle Recruitment Intensity in Localized and Global Strength Training Exercises Is Not Based on Instability Alone. Archives of Physical Medicine and Rehabilitation, 2011, 92, 1875-1883.	0.9	44
7	Built Environment, Psychosocial Factors and Active Commuting to School in Adolescents: Clustering a Self-Organizing Map Analysis. International Journal of Environmental Research and Public Health, 2019, 16, 83.	2.6	43
8	Deadlift Muscle Force and Activation Under Stable and Unstable Conditions. Journal of Strength and Conditioning Research, 2010, 24, 2723-2730.	2.1	42
9	Physical activity, physical fitness and academic achievement in adolescents: a self-organizing maps approach. Health Education Research, 2015, 30, 436-448.	1.9	38
10	Different neighborhood walkability indexes for active commuting to school are necessary for urban and rural children and adolescents. International Journal of Behavioral Nutrition and Physical Activity, 2020, 17, 124.	4.6	35
11	Technique and Safety Aspects of Resistance Exercises: A Systematic Review of the Literature. Physician and Sportsmedicine, 2009, 37, 104-111.	2.1	34
12	Construct and concurrent validation of a new resistance intensity scale for exercise with thera-bandÂ® elastic bands. Journal of Sports Science and Medicine, 2014, 13, 758-66.	1.6	33
13	Differences in intermittent postural control between normal-weight and obese children. Gait and Posture, 2016, 49, 1-6.	1.4	32
14	Myoelectric Activation and Kinetics of Different Plyometric Push-Up Exercises. Journal of Strength and Conditioning Research, 2011, 25, 2040-2047.	2.1	30
15	Nature-based Tourism or Mass Tourism in Nature? Segmentation of Mountain Protected Area Visitors Using Self-Organizing Maps (SOM). Sustainability, 2019, 11, 1314.	3.2	28
16	Identifying profiles of children at risk of being less physically active: an exploratory study using a self-organised map approach for motor competence. Journal of Sports Sciences, 2019, 37, 1356-1364.	2.0	28
17	Effects of dual task difficulty in motor and cognitive performance: Differences between adults and adolescents. Human Movement Science, 2017, 55, 8-17.	1.4	26
18	An author keyword analysis for mapping Sport Sciences. PLoS ONE, 2018, 13, e0201435.	2.5	26

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19	Impact of COVID-19 on the self-reported physical activity of people with complete thoracic spinal cord injury full-time manual wheelchair users. Journal of Spinal Cord Medicine, 2022, 45, 755-759.	1.4	25
20	Relation between Physical Activity and Academic Performance in 3rd-Year Secondary Education Students. Perceptual and Motor Skills, 2011, 113, 539-546.	1.3	21
21	Analyzing Spatial Behavior of Backcountry Skiers in Mountain Protected Areas Combining GPS Tracking and Graph Theory. Symmetry, 2017, 9, 317.	2.2	18
22	Profiling children longitudinally: A threeâ€year followâ€up study of perceived and actual motor competence and physical fitness. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 35-46.	2.9	18
23	Longitudinal changes in physical activity, sedentary behavior and body mass index in adolescence: Migrations towards different weight cluster. PLoS ONE, 2017, 12, e0179502.	2.5	16
24	A Lower-Limb Training Program to Improve Balance in Healthy Elderly Women Using the T-BowÂ® Device. Physician and Sportsmedicine, 2009, 37, 127-135.	2.1	13
25	Inter-joint coordination of posture on a seesaw device. Journal of Electromyography and Kinesiology, 2017, 34, 72-79.	1.7	13
26	Relationship between body composition and vertical ground reaction forces in obese children when walking. Clinical Biomechanics, 2017, 41, 77-81.	1.2	13
27	Postural Control Mechanisms in Healthy Adults in Sitting and Standing Positions. Perceptual and Motor Skills, 2015, 121, 119-134.	1.3	11
28	Relationship between body composition and postural control in prepubertal overweight/obese children: A cross-sectional study. Clinical Biomechanics, 2018, 52, 1-6.	1.2	11
29	Effects of A Dual-Task Intervention in Postural Control and Cognitive Performance in Adolescents. Journal of Motor Behavior, 2020, 52, 187-195.	0.9	11
30	Gender differences in bicycle sharing system usage in the city of Valencia. Sustainable Cities and Society, 2021, 65, 102556.	10.4	11
31	Working Memory Task Influence in Postural Stability and Cognitive Function in Adolescents. Motor Control, 2018, 22, 425-435.	0.6	10
32	Perceived movement skill competence in stability: Validity and reliability of a pictorial scale in early adolescents. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1135-1143.	2.9	10
33	The Work Endurance Recovery Method for Quantifying Training Loads in Judo. International Journal of Sports Physiology and Performance, 2016, 11, 913-919.	2.3	9
34	Competing Effects Between Screen Media Time and Physical Activity in Adolescent Girls: Clustering a Self-Organizing Maps Analysis. Journal of Physical Activity and Health, 2016, 13, 579-586.	2.0	9
35	Relationship between the practice of physical activity and quality of movement in adolescents: a screening tool using self-organizing maps. Physician and Sportsmedicine, 2017, 45, 271-279.	2.1	9
36	Visual tasks and stance width influence the spatial magnitude and temporal dynamics of standing body sway in 6- to 12-year old children. Human Movement Science, 2018, 59, 56-65.	1.4	9

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37	Effects of dual-task demands on the complexity and task performance of submaximal isometric handgrip force control. European Journal of Applied Physiology, 2020, 120, 1251-1261.	2.5	8
38	The Impact of COVID-19 on Sport in Twitter: A Quantitative and Qualitative Content Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 4554.	2.6	8
39	The difficulty of postural tasks amplifies the effects of fatigue on postural stability. European Journal of Applied Physiology, 2015, 115, 489-495.	2.5	7
40	Automated detection of protein unfolding events in atomic force microscopy force curves. Microscopy Research and Technique, 2016, 79, 1105-1111.	2.2	7
41	Multifactorial combinations predicting active vs inactive stages of change for physical activity in adolescents considering built environment and psychosocial factors: A classification tree approach. Health and Place, 2018, 53, 150-154.	3.3	6
42	Effect of Concurrent Visual Feedback Frequency on Postural Control Learning in Adolescents. Journal of Motor Behavior, 2019, 51, 193-198.	0.9	6
43	Accelerometer assessment of physical activity in individuals with paraplegia who do and do not participate in physical exercise. Journal of Spinal Cord Medicine, 2020, 43, 234-240.	1.4	6
44	Dual task cost in balance control and stability in children from 4â€“7 years old. Early Child Development and Care, 2020, 190, 2533-2542.	1.3	6
45	Profiling movement behaviours in pre-school children: A self-organised map approach. Journal of Sports Sciences, 2020, 38, 150-158.	2.0	6
46	Resilience Patterns. International Journal of Aging and Human Development, 2015, 80, 316-331.	1.6	5
47	Assessment of haemophilic arthropathy through balance analysis: a promising tool. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 418-425.	1.6	5
48	The influence of wearing ski-boots with different rigidity characteristics on postural control. Sports Biomechanics, 2020, 19, 157-167.	1.6	5
49	Childrenâ€™s Single-Leg Landing Movement Capability Analysis According to the Type of Sport Practiced. International Journal of Environmental Research and Public Health, 2020, 17, 6414.	2.6	5
50	Impact of Visual Biofeedback of Trunk Sway Smoothness on Motor Learning during Unipedal Stance. Sensors, 2020, 20, 2585.	3.8	5
51	The Relevance of Dual Tasking for Improving Trunk Muscle Endurance After Back Surgery. Archives of Physical Medicine and Rehabilitation, 2021, 102, 463-469.	0.9	5
52	Validation of Using Smartphone Built-In Accelerometers to Estimate the Active Energy Expenditures of Full-Time Manual Wheelchair Users with Spinal Cord Injury. Sensors, 2021, 21, 1498.	3.8	5
53	Motivation to Physical Exercise in Manual Wheelchair Users With Paraplegia. Topics in Spinal Cord Injury Rehabilitation, 2020, 26, 1-10.	1.8	5
54	Fatigue does not conjointly alter postural and cognitive performance when standing in a shooting position under dual-task conditions. Journal of Sports Sciences, 2018, 36, 1-7.	2.0	4

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55	Reliability of a new analysis to compute time to stabilization following a single leg drop jump landing in children. PLoS ONE, 2019, 14, e0212124.	2.5	4
56	Physical Activity-Related Profiles of Female Sixth-Graders Regarding Motivational Psychosocial Variables: A Cluster Analysis Within the CReActivity Project. Frontiers in Psychology, 2020, 11, 580563.	2.1	4
57	Postural Control Profiles of Typically Developing Children From 6 to 12 Years old: An Approach Using Self-Organizing Maps. Journal of Motor Learning and Development, 2020, 8, 52-66.	0.4	4
58	Adolescentsâ€™ Postural Control Learning According to the Frequency of Knowledge of Process. Journal of Motor Learning and Development, 2019, 7, 204-214.	0.4	2
59	The effect of 26 versus 29-inch wheel diameter in the transmission of vibrations in cross-country mountain biking. Sports Biomechanics, 2021, , 1-12.	1.6	2
60	Encouraging People with Spinal Cord Injury to Take Part in Physical Activity in the COVID-19 Epidemic through the mHealth ParaSportAPP. Healthcare (Switzerland), 2022, 10, 1069.	2.0	2
61	Dolor de espalda en estudiantes de entre 12 y 17 aÃ±os: aproximaciÃ³n multifactorial basada en Ã¡rboles de decisiÃ³n. Fisioterapia, 2018, 40, 241-248.	0.2	1
62	Sensory Reweighting During Bipedal Quiet Standing in Adolescents. Motor Control, 2020, 24, 383-396.	0.6	1
63	Effectiveness of the Type of Feedback on Learning to Pass in Volleyball. Journal of Motor Learning and Development, 2022, , 1-16.	0.4	1
64	Capturing the multidimensionality of motivation in physical education: A self-organizing maps approach to profiling students. European Physical Education Review, 0, , 1356336X2210883.	2.0	1
65	Ski Boots Do Not Impair Standing Balance by Restricting Ankle-Joint Mobility. Human Factors, 2019, 61, 214-224.	3.5	0
66	Rate of concurrent augmented auditory feedback in postural control learning in adolescents. Movement and Sports Sciences - Science Et Motricite, 2020, , 15-21.	0.3	0
67	Efectos de la auto-selecciÃ³n del foco de atenciÃ³n durante el aprendizaje de una tarea de control postural (Effect of self-selection of the attentional focus during a postural control task learning). Retos, 2019, , 93-99.	0.3	0
68	Obesity Affects Postural Control in Middle Childhood and Adolescence but not in Early Childhood. Journal of Motor Learning and Development, 2019, 7, 307-319.	0.4	0
69	Do Active Commuters Feel More Competent and Vital? A Self-Organizing Maps Analysis in University Students. International Journal of Environmental Research and Public Health, 2022, 19, 7239.	2.6	0