MarÃ-a Rodriguez-Ayllon

List of Publications by Year
in descending order

42 papers	1,642 citations	394286 19 h-index	330025 37 g-index
45 all docs	45 docs citations	45 times ranked	2027 citing authors

#	Article	IF	Citations
1	Neurotrophic factors and brain health in children with overweight and obesity: The role of cardiorespiratory fitness. European Journal of Sport Science, 2023, 23, 637-648.	1.4	5
2	The favourable association of selfâ€reported physical fitness with depression and anxiety during pregnancy. The GESTAFIT project. European Journal of Sport Science, 2022, 22, 1932-1940.	1.4	1
3	Early life factors and white matter microstructure in children with overweight and obesity: The ActiveBrains project. Clinical Nutrition, 2022, 41, 40-48.	2.3	3
4	Mechanisms linking physical activity with psychiatric symptoms across the lifespan: a protocol for a systematic review. BMJ Open, 2022, 12, e058737.	0.8	2
5	Universal schoolâ€based intervention targeting depressive symptoms in adolescents: A cluster randomized trial. Scandinavian Journal of Medicine and Science in Sports, 2022, 32, 622-631.	1.3	6
6	Objective and subjective measures of physical functioning in women with fibromyalgia: what type of measure is associated most clearly with subjective well-being?. Disability and Rehabilitation, 2021, 43, 1649-1656.	0.9	17
7	Associations of physical activity, sedentary time, and physical fitness with mental health during pregnancy: The GESTAFIT project. Journal of Sport and Health Science, 2021, 10, 379-386.	3.3	29
8	Associations of sleep with gray matter volume and their implications for academic achievement, executive function and intelligence in children with overweight/obesity. Pediatric Obesity, 2021, 16, e12707.	1.4	11
9	Effectiveness of Exercise on Fatigue and Sleep Quality in Fibromyalgia: A Systematic Review and Meta-analysis of Randomized Trials. Archives of Physical Medicine and Rehabilitation, 2021, 102, 752-761.	0.5	70
10	Activityâ€rest circadian pattern and academic achievement, executive function, and intelligence in children with obesity. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 653-664.	1.3	6
11	Physical fitness, hippocampal functional connectivity and academic performance in children with overweight/obesity: The ActiveBrains project. Brain, Behavior, and Immunity, 2021, 91, 284-295.	2.0	28
12	Physical fitness and brain source localization during a working memory task in children with overweight/obesity: The ActiveBrains project. Developmental Science, 2021, 24, e13048.	1.3	5
13	Adherence to the Mediterranean diet and academic performance in adolescents: Does BMI status moderate this association?. Clinical Nutrition, 2021, 40, 4465-4472.	2.3	24
14	Healthier Minds in Fitter Bodies: A Systematic Review and Meta-Analysis of the Association between Physical Fitness and Mental Health in Youth. Sports Medicine, 2021, 51, 2571-2605.	3.1	35
15	Associations of physical activity and screen time with white matter microstructure in children from the general population. NeuroImage, 2020, 205, 116258.	2.1	28
16	Blood Flow-Restricted Training in Older Adults: A Narrative Review. Journal of Science in Sport and Exercise, 2020, 2, 25-37.	0.4	0
17	Effects of Exercise on Plantar Pressure during Walking in Children with Overweight/Obesity. Medicine and Science in Sports and Exercise, 2020, 52, 654-662.	0.2	10
18	Physical Activity, Sedentary Behavior, and White Matter Microstructure in Children with Overweight or Obesity. Medicine and Science in Sports and Exercise, 2020, 52, 1218-1226.	0.2	12

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19	Effects of Exercise on Body Posture, Functional Movement, and Physical Fitness in Children With Overweight/Obesity. Journal of Strength and Conditioning Research, 2020, 34, 2146-2155.	1.0	19
20	Physical fitness and white matter microstructure in children with overweight or obesity: the ActiveBrains project. Scientific Reports, 2020, 10, 12469.	1.6	19
21	Fitness, physical activity and academic achievement in overweight/obese children. Journal of Sports Sciences, 2020, 38, 731-740.	1.0	31
22	Lean mass index is positively associated with white matter volumes in several brain regions in children with overweight/obesity. Pediatric Obesity, 2020, 15, e12604.	1.4	7
23	Fitness, physical activity, sedentary time, inhibitory control, and neuroelectric activity in children with overweight or obesity: The ActiveBrains project. Psychophysiology, 2020, 57, e13579.	1.2	27
24	Association of Sedentary Behavior with Brain Structure and Intelligence in Children with Overweight or Obesity: The ActiveBrains Project. Journal of Clinical Medicine, 2020, 9, 1101.	1.0	24
25	Beyond general resistance training. Hypertrophy versus muscular endurance training as therapeutic interventions in adults with type 2 diabetes mellitus: A systematic review and metaâ€analysis. Obesity Reviews, 2020, 21, e13007.	3.1	31
26	Comparability of published cutâ€points for the assessment of physical activity: Implications for data harmonization. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 566-574.	1.3	89
27	The Role of Heart Rate on the Associations Between Body Composition and Heart Rate Variability in Children With Overweight/Obesity: The ActiveBrains Project. Frontiers in Physiology, 2019, 10, 895.	1.3	15
28	Inflammatory biomarkers and brain health indicators in children with overweight and obesity: The ActiveBrains project. Brain, Behavior, and Immunity, 2019, 81, 588-597.	2.0	18
29	Early life factors, gray matter brain volume and academic performance in overweight/obese children: The ActiveBrains project. NeuroImage, 2019, 202, 116130.	2.1	10
30	Lower Fatigue in Fit and Positive Women with Fibromyalgia: The al-Ãndalus Project. Pain Medicine, 2019, 20, 2506-2515.	0.9	9
31	Fitness, physical activity, working memory, and neuroelectric activity in children with overweight/obesity. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 1352-1363.	1.3	51
32	Heart Rate Is a Better Predictor of Cardiorespiratory Fitness Than Heart Rate Variability in Overweight/Obese Children: The ActiveBrains Project. Frontiers in Physiology, 2019, 10, 510.	1.3	11
33	Role of Physical Activity and Sedentary Behavior in the Mental Health of Preschoolers, Children and Adolescents: A Systematic Review and Meta-Analysis. Sports Medicine, 2019, 49, 1383-1410.	3.1	603
34	Physical Fitness, Physical Activity, and the Executive Function in Children with Overweight and Obesity. Journal of Pediatrics, 2019, 208, 50-56.e1.	0.9	75
35	Physical Fitness, White Matter Volume and Academic Performance in Children: Findings From the ActiveBrains and FITKids2 Projects. Frontiers in Psychology, 2019, 10, 208.	1.1	49
36	A systematic review on biomechanical characteristics of walking in children and adolescents with overweight/obesity: Possible implications for the development of musculoskeletal disorders. Obesity Reviews, 2019, 20, 1033-1044.	3.1	57

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37	Sedentarism, Physical Activity, Steps, and Neurotrophic Factors in Obese Children. Medicine and Science in Sports and Exercise, 2019, 51, 2325-2333.	0.2	20
38	Comparability of accelerometer signal aggregation metrics across placements and dominant wrist cut points for the assessment of physical activity in adults. Scientific Reports, 2019, 9, 18235.	1.6	48
39	Fitness, cortical thickness and surface area in overweight/obese children: The mediating role of body composition and relationship with intelligence. NeuroImage, 2019, 186, 771-781.	2.1	36
40	Fatness and fitness in relation to functional movement quality in overweight and obese children. Journal of Sports Sciences, 2019, 37, 878-885.	1.0	21
41	Physical Activity, Sedentary Behaviour and Mental Health in Young People: A Review of Reviews. , 2019, , 35-73.		11
42	Physical fitness and psychological health in overweight/obese children: A cross-sectional study from the ActiveBrains project. Journal of Science and Medicine in Sport, 2018, 21, 179-184.	0.6	65