

MarÃ-a Rodriguez-Ayllon

List of Publications by Year in descending order

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Version: 2024-02-01

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	Role of Physical Activity and Sedentary Behavior in the Mental Health of Preschoolers, Children and Adolescents: A Systematic Review and Meta-Analysis. <i>Sports Medicine</i> , 2019, 49, 1383-1410.	3.1	603
2	Comparability of published cut-points for the assessment of physical activity: Implications for data harmonization. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 566-574.	1.3	89
3	Physical Fitness, Physical Activity, and the Executive Function in Children with Overweight and Obesity. <i>Journal of Pediatrics</i> , 2019, 208, 50-56.e1.	0.9	75
4	Effectiveness of Exercise on Fatigue and Sleep Quality in Fibromyalgia: A Systematic Review and Meta-analysis of Randomized Trials. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 752-761.	0.5	70
5	Physical fitness and psychological health in overweight/obese children: A cross-sectional study from the ActiveBrains project. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 179-184.	0.6	65
6	A systematic review on biomechanical characteristics of walking in children and adolescents with overweight/obesity: Possible implications for the development of musculoskeletal disorders. <i>Obesity Reviews</i> , 2019, 20, 1033-1044.	3.1	57
7	Fitness, physical activity, working memory, and neuroelectric activity in children with overweight/obesity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 1352-1363.	1.3	51
8	Physical Fitness, White Matter Volume and Academic Performance in Children: Findings From the ActiveBrains and FITKids2 Projects. <i>Frontiers in Psychology</i> , 2019, 10, 208.	1.1	49
9	Comparability of accelerometer signal aggregation metrics across placements and dominant wrist cut points for the assessment of physical activity in adults. <i>Scientific Reports</i> , 2019, 9, 18235.	1.6	48
10	Fitness, cortical thickness and surface area in overweight/obese children: The mediating role of body composition and relationship with intelligence. <i>NeuroImage</i> , 2019, 186, 771-781.	2.1	36
11	Healthier Minds in Fitter Bodies: A Systematic Review and Meta-Analysis of the Association between Physical Fitness and Mental Health in Youth. <i>Sports Medicine</i> , 2021, 51, 2571-2605.	3.1	35
12	Fitness, physical activity and academic achievement in overweight/obese children. <i>Journal of Sports Sciences</i> , 2020, 38, 731-740.	1.0	31
13	Beyond general resistance training. Hypertrophy versus muscular endurance training as therapeutic interventions in adults with type 2 diabetes mellitus: A systematic review and meta-analysis. <i>Obesity Reviews</i> , 2020, 21, e13007.	3.1	31
14	Associations of physical activity, sedentary time, and physical fitness with mental health during pregnancy: The GESTAFIT project. <i>Journal of Sport and Health Science</i> , 2021, 10, 379-386.	3.3	29
15	Associations of physical activity and screen time with white matter microstructure in children from the general population. <i>NeuroImage</i> , 2020, 205, 116258.	2.1	28
16	Physical fitness, hippocampal functional connectivity and academic performance in children with overweight/obesity: The ActiveBrains project. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 284-295.	2.0	28
17	Fitness, physical activity, sedentary time, inhibitory control, and neuroelectric activity in children with overweight or obesity: The ActiveBrains project. <i>Psychophysiology</i> , 2020, 57, e13579.	1.2	27
18	Association of Sedentary Behavior with Brain Structure and Intelligence in Children with Overweight or Obesity: The ActiveBrains Project. <i>Journal of Clinical Medicine</i> , 2020, 9, 1101.	1.0	24

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19	Adherence to the Mediterranean diet and academic performance in adolescents: Does BMI status moderate this association?. <i>Clinical Nutrition</i> , 2021, 40, 4465-4472.	2.3	24
20	Fatness and fitness in relation to functional movement quality in overweight and obese children. <i>Journal of Sports Sciences</i> , 2019, 37, 878-885.	1.0	21
21	Sedentarism, Physical Activity, Steps, and Neurotrophic Factors in Obese Children. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2325-2333.	0.2	20
22	Effects of Exercise on Body Posture, Functional Movement, and Physical Fitness in Children With Overweight/Obesity. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 2146-2155.	1.0	19
23	Physical fitness and white matter microstructure in children with overweight or obesity: the ActiveBrains project. <i>Scientific Reports</i> , 2020, 10, 12469.	1.6	19
24	Inflammatory biomarkers and brain health indicators in children with overweight and obesity: The ActiveBrains project. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 588-597.	2.0	18
25	Objective and subjective measures of physical functioning in women with fibromyalgia: what type of measure is associated most clearly with subjective well-being?. <i>Disability and Rehabilitation</i> , 2021, 43, 1649-1656.	0.9	17
26	The Role of Heart Rate on the Associations Between Body Composition and Heart Rate Variability in Children With Overweight/Obesity: The ActiveBrains Project. <i>Frontiers in Physiology</i> , 2019, 10, 895.	1.3	15
27	Physical Activity, Sedentary Behavior, and White Matter Microstructure in Children with Overweight or Obesity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1218-1226.	0.2	12
28	Heart Rate Is a Better Predictor of Cardiorespiratory Fitness Than Heart Rate Variability in Overweight/Obese Children: The ActiveBrains Project. <i>Frontiers in Physiology</i> , 2019, 10, 510.	1.3	11
29	Associations of sleep with gray matter volume and their implications for academic achievement, executive function and intelligence in children with overweight/obesity. <i>Pediatric Obesity</i> , 2021, 16, e12707.	1.4	11
30	Physical Activity, Sedentary Behaviour and Mental Health in Young People: A Review of Reviews. , 2019, , 35-73.		11
31	Early life factors, gray matter brain volume and academic performance in overweight/obese children: The ActiveBrains project. <i>NeuroImage</i> , 2019, 202, 116130.	2.1	10
32	Effects of Exercise on Plantar Pressure during Walking in Children with Overweight/Obesity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 654-662.	0.2	10
33	Lower Fatigue in Fit and Positive Women with Fibromyalgia: The al-Ándalus Project. <i>Pain Medicine</i> , 2019, 20, 2506-2515.	0.9	9
34	Lean mass index is positively associated with white matter volumes in several brain regions in children with overweight/obesity. <i>Pediatric Obesity</i> , 2020, 15, e12604.	1.4	7
35	Activityâ€rest circadian pattern and academic achievement, executive function, and intelligence in children with obesity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 653-664.	1.3	6
36	Universal schoolâ€based intervention targeting depressive symptoms in adolescents: A cluster randomized trial. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022, 32, 622-631.	1.3	6

#	ARTICLE	IF	CITATIONS
37	Physical fitness and brain source localization during a working memory task in children with overweight/obesity: The ActiveBrains project. <i>Developmental Science</i> , 2021, 24, e13048.	1.3	5
38	Neurotrophic factors and brain health in children with overweight and obesity: The role of cardiorespiratory fitness. <i>European Journal of Sport Science</i> , 2023, 23, 637-648.	1.4	5
39	Early life factors and white matter microstructure in children with overweight and obesity: The ActiveBrains project. <i>Clinical Nutrition</i> , 2022, 41, 40-48.	2.3	3
40	Mechanisms linking physical activity with psychiatric symptoms across the lifespan: a protocol for a systematic review. <i>BMJ Open</i> , 2022, 12, e058737.	0.8	2
41	The favourable association of self-reported physical fitness with depression and anxiety during pregnancy. The GESTAFIT project. <i>European Journal of Sport Science</i> , 2022, 22, 1932-1940.	1.4	1
42	Blood Flow-Restricted Training in Older Adults: A Narrative Review. <i>Journal of Science in Sport and Exercise</i> , 2020, 2, 25-37.	0.4	0