

# Cristina Cadenas-Sanchez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107  
papers

2,653  
citations

25  
h-index

49  
g-index

124  
ext. papers

3,815  
ext. citations

4.2  
avg, IF

5.3  
L-index

#	Paper	IF	Citations
107	Does sleep-disordered breathing add to impairments in academic performance and brain structure usually observed in children with overweight/obesity?. <i>European Journal of Pediatrics</i> , <b>2022</b> , 1	4.1	0
106	Equivalency of four research-grade movement sensors to assess movement behaviors and its implications for population surveillance.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5525	4.9	
105	Development of a prediction protocol for the screening of metabolic associated fatty liver disease in children with overweight or obesity.. <i>Pediatric Obesity</i> , <b>2022</b> , e12917	4.6	0
104	Normative data for handgrip strength in Serbian children measured with a bulb dynamometer. <i>Journal of Hand Therapy</i> , <b>2021</b> , 34, 479-487	1.6	4
103	Distinct whole-blood transcriptome profile of children with metabolic healthy overweight/obesity compared to metabolic unhealthy overweight/obesity. <i>Pediatric Research</i> , <b>2021</b> , 89, 1687-1694	3.2	6
102	Calibration and Cross-Validation of Accelerometer Cut-Points to Classify Sedentary Time and Physical Activity from Hip and Non-Dominant and Dominant Wrists in Older Adults. <i>Sensors</i> , <b>2021</b> , 21,	3.8	4
101	Intermuscular abdominal fat fraction and metabolic dysfunction-associated fatty liver disease: Does the link already exist in childhood?. <i>Journal of Hepatology</i> , <b>2021</b> , 75, 1511-1513	13.4	2
100	Feasibility and concurrent validity of a cardiorespiratory fitness test based on the adaptation of the original 20 m shuttle run: The 20 m shuttle run with music. <i>Journal of Sports Sciences</i> , <b>2021</b> , 39, 57-63	3.6	1
99	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> , <b>2021</b> , 16, e12707	4.6	3
98	Changes in lifestyle behaviours during the COVID-19 confinement in Spanish children: A longitudinal analysis from the MUGI project. <i>Pediatric Obesity</i> , <b>2021</b> , 16, e12731	4.6	75
97	Activity-rest circadian pattern and academic achievement, executive function, and intelligence in children with obesity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 653-664	4.6	2
96	Physical fitness and brain source localization during a working memory task in children with overweight/obesity: The ActiveBrains project. <i>Developmental Science</i> , <b>2021</b> , 24, e13048	4.5	1
95	Feasibility and reliability of the Spanish version of the Youth Activity Profile questionnaire (YAP-Spain) in children and adolescents. <i>Journal of Sports Sciences</i> , <b>2021</b> , 39, 801-807	3.6	7
94	Smartphone App (2kmFIT-App) for Measuring Cardiorespiratory Fitness: Validity and Reliability Study. <i>JMIR MHealth and UHealth</i> , <b>2021</b> , 9, e14864	5.5	2
93	Relationship between fatness, physical fitness, and academic performance in normal weight and overweight schoolchild handball players in Qatar State. <i>PLoS ONE</i> , <b>2021</b> , 16, e0246476	3.7	1
92	Association of Cardiorespiratory Fitness with Achievement Motivation in Physical Education in Adolescents. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
91	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> , <b>2021</b> , 51, 2571-2605	10.6	5

90	The effects of daily physical activity intervention on physical fitness in preschool children. <i>Journal of Sports Sciences</i> , <b>2021</b> , 1-10	3.6	1
89	Effects of School-Based Exercise and Nutrition Intervention on Body Composition and Physical Fitness in Overweight Adolescent Girls. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	6
88	Association of Physical Fitness with Intelligence and Academic Achievement in Adolescents. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	8
87	Fitness, physical activity and academic achievement in overweight/obese children. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 731-740	3.6	16
86	Lean mass index is positively associated with white matter volumes in several brain regions in children with overweight/obesity. <i>Pediatric Obesity</i> , <b>2020</b> , 15, e12604	4.6	4
85	Fitness, physical activity, sedentary time, inhibitory control, and neuroelectric activity in children with overweight or obesity: The ActiveBrains project. <i>Psychophysiology</i> , <b>2020</b> , 57, e13579	4.1	14
84	Differences in Brain Volume between Metabolically Healthy and Unhealthy Overweight and Obese Children: The Role of Fitness. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	5
83	Associations of Objectively-Assessed Physical Activity and Sedentary Time with Hippocampal Gray Matter Volume in Children with Overweight/Obesity. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	7
82	Association of Sedentary Behavior with Brain Structure and Intelligence in Children with Overweight or Obesity: The ActiveBrains Project. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	7
81	Association Between Physical Fitness and Bone Strength and Structure in 3- to 5-Year-Old Children. <i>Sports Health</i> , <b>2020</b> , 12, 431-440	4.7	7
80	Step-Based Metrics and Overall Physical Activity in Children With Overweight or Obesity: Cross-Sectional Study. <i>JMIR MHealth and UHealth</i> , <b>2020</b> , 8, e14841	5.5	0
79	Associations of Sedentary Behaviour, Physical Activity, Cardiorespiratory Fitness and Body Composition with Risk of Sleep-Related Breathing Disorders in Children with Overweight/Obesity: A Cross-Sectional Study. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	3
78	Hip and wrist accelerometers showed consistent associations with fitness and fatness in children aged 8-12 years. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2020</b> , 109, 995-1003	3.1	3
77	Blood Flow-Restricted Training in Older Adults: A Narrative Review. <i>Journal of Science in Sport and Exercise</i> , <b>2020</b> , 2, 25-37	1	
76	Differences in areal bone mineral density between metabolically healthy and unhealthy overweight/obese children: the role of physical activity and cardiorespiratory fitness. <i>Pediatric Research</i> , <b>2020</b> , 87, 1219-1225	3.2	2
75	Effects of Exercise on Plantar Pressure during Walking in Children with Overweight/Obesity. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 654-662	1.2	6
74	Do fitter kids have bigger brains?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2020</b> , 30, 2498-2502	4.5	7
73	Effects of Exercise on Body Posture, Functional Movement, and Physical Fitness in Children With Overweight/Obesity. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> , 34, 2146-2155	3.2	7

72	Physical fitness and white matter microstructure in children with overweight or obesity: the ActiveBrains project. <i>Scientific Reports</i> , <b>2020</b> , 10, 12469	4.9	5
71	Prevalence of severe/morbid obesity and other weight status and anthropometric reference standards in Spanish preschool children: The PREFIT project. <i>Pediatric Research</i> , <b>2020</b> , 87, 501-510	3.2	4
70	A systematic review of physical activity and cardiorespiratory fitness on P3b. <i>Psychophysiology</i> , <b>2020</b> , 57, e13425	4.1	23
69	Inflammatory markers and bone mass in children with overweight/obesity: the role of muscular fitness. <i>Pediatric Research</i> , <b>2020</b> , 87, 42-47	3.2	3
68	The relative age effect on physical fitness in preschool children. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 1506-1512	6.1	12
67	Sarcopenia, Diet, Physical Activity and Obesity in European Middle-Aged and Older Adults: The LifeAge Study. <i>Nutrients</i> , <b>2020</b> , 13,	6.7	11
66	Early life factors, gray matter brain volume and academic performance in overweight/obese children: The ActiveBrains project. <i>NeuroImage</i> , <b>2019</b> , 202, 116130	7.9	2
65	Fitness, physical activity, working memory, and neuroelectric activity in children with overweight/obesity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 1352-1363	4.6	29
64	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> , <b>2019</b> , 10, 510	4.6	3
63	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> , <b>2019</b> , 49, 1383-1410	10.6	247
62	Physical Fitness, Physical Activity, and the Executive Function in Children with Overweight and Obesity. <i>Journal of Pediatrics</i> , <b>2019</b> , 208, 50-56.e1	3.6	34
61	Physical Fitness, White Matter Volume and Academic Performance in Children: Findings From the ActiveBrains and FITKids2 Projects. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 208	3.4	29
60	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> , <b>2019</b> , 20, 1033-1044	10.6	28
59	Associations of dietary energy density with body composition and cardiometabolic risk in children with overweight and obesity: role of energy density calculations, under-reporting energy intake and physical activity. <i>British Journal of Nutrition</i> , <b>2019</b> , 121, 1057-1068	3.6	5
58	Physical fitness predicts the academic achievement over one-school year follow-up period in adolescents. <i>Journal of Sports Sciences</i> , <b>2019</b> , 37, 452-457	3.6	5
57	General intelligence was associated with academic achievement but not fitness in adolescents after one year. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2019</b> , 108, 896-902	3.1	2
56	A Single Question of Parent-Reported Physical Activity Levels Estimates Objectively Measured Physical Fitness and Body Composition in Preschool Children: The PREFIT Project. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 1585	3.4	8
55	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> , <b>2019</b> , 10, 895	4.6	7

54	Inflammatory biomarkers and brain health indicators in children with overweight and obesity: The ActiveBrains project. <i>Brain, Behavior, and Immunity</i> , <b>2019</b> , 81, 588-597	16.6	9
53	Study protocol and rationale of the "Cogni-action project" a cross-sectional and randomized controlled trial about physical activity, brain health, cognition, and educational achievement in schoolchildren. <i>BMC Pediatrics</i> , <b>2019</b> , 19, 260	2.6	6
52	The Effect Of Exercise In Addition To A Lifestyle-intervention On Hepatic Fat In Overweight Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 788-788	1.2	
51	Physical Activity, Sedentary Behaviour and Mental Health in Young People: A Review of Reviews <b>2019</b> , 35-73		3
50	Accelerometer Data Processing and Energy Expenditure Estimation in Preschoolers. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 590-598	1.2	8
49	Sedentarism, Physical Activity, Steps, and Neurotrophic Factors in Obese Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 2325-2333	1.2	13
48	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> , <b>2019</b> , 9, 18235	4.9	25
47	Objective Measurement of the Mode of Commuting to School Using GPS: A Pilot Study. <i>Sustainability</i> , <b>2019</b> , 11, 5395	3.6	3
46	Physical fitness in relation to later body composition in pre-school children. <i>Journal of Science and Medicine in Sport</i> , <b>2019</b> , 22, 574-579	4.4	11
45	Fitness, cortical thickness and surface area in overweight/obese children: The mediating role of body composition and relationship with intelligence. <i>NeuroImage</i> , <b>2019</b> , 186, 771-781	7.9	22
44	Higher socioeconomic status is related to healthier levels of fatness and fitness already at 3 to 5 years of age: The PREFIT project. <i>Journal of Sports Sciences</i> , <b>2019</b> , 37, 1327-1337	3.6	8
43	Physical fitness reference standards for preschool children: The PREFIT project. <i>Journal of Science and Medicine in Sport</i> , <b>2019</b> , 22, 430-437	4.4	35
42	Fatness and fitness in relation to functional movement quality in overweight and obese children. <i>Journal of Sports Sciences</i> , <b>2019</b> , 37, 878-885	3.6	13
41	Physical fitness and shapes of subcortical brain structures in children. <i>British Journal of Nutrition</i> , <b>2019</b> , 122, S49-S58	3.6	19
40	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> , <b>2019</b> , 29, 566-574	4.6	45
39	A Large-Scale Reanalysis of Childhood Fitness and Inhibitory Control. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , <b>2018</b> , 2, 170-192	2.4	21
38	Evidence-Based Exercise Recommendations to Reduce Hepatic Fat Content in Youth- a Systematic Review and Meta-Analysis. <i>Progress in Cardiovascular Diseases</i> , <b>2018</b> , 61, 222-231	8.5	23
37	Early life programming of attention capacity in adolescents: The HELENA study. <i>Maternal and Child Nutrition</i> , <b>2018</b> , 14,	3.4	3

36	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> , <b>2018</b> , 21, 179-184	4.4	33
35	Inflammation in metabolically healthy and metabolically abnormal adolescents: The HELENA study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2018</b> , 28, 77-83	4.5	15
34	Role of Physical Activity and Fitness in the Characterization and Prognosis of the Metabolically Healthy Obesity Phenotype: A Systematic Review and Meta-analysis. <i>Progress in Cardiovascular Diseases</i> , <b>2018</b> , 61, 190-205	8.5	46
33	Association of Breakfast Quality and Energy Density with Cardiometabolic Risk Factors in Overweight/Obese Children: Role of Physical Activity. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	5
32	Associations between the adherence to the Mediterranean diet and cardiorespiratory fitness with total and central obesity in preschool children: the PREFIT project. <i>European Journal of Nutrition</i> , <b>2018</b> , 57, 2975-2983	5.2	19
31	Fitness and Fatness as Health Markers through the Lifespan: An Overview of Current Knowledge. <i>Progress in Preventive Medicine (New York, N Y)</i> , <b>2018</b> , 3, e0013	0.7	29
30	Comparison of definitions for the metabolic syndrome in adolescents. The HELENA study. <i>European Journal of Pediatrics</i> , <b>2017</b> , 176, 241-252	4.1	39
29	Parental body mass index and its association with body composition, physical fitness and lifestyle factors in their 4-year-old children: results from the MINISTOP trial. <i>European Journal of Clinical Nutrition</i> , <b>2017</b> , 71, 1200-1205	5.2	10
28	Assessing Physical FITness In PREschool Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 517-518	1.2	1
27	Longitudinal Physical Activity, Body Composition, and Physical Fitness in Preschoolers. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 2078-2085	1.2	46
26	Prevalence of Metabolically Healthy but Overweight/Obese Phenotype and Its Association With Sedentary Time, Physical Activity, and Fitness. <i>Journal of Adolescent Health</i> , <b>2017</b> , 61, 107-114	5.8	38
25	Accelerometer Data Collection and Processing Criteria to Assess Physical Activity and Other Outcomes: A Systematic Review and Practical Considerations. <i>Sports Medicine</i> , <b>2017</b> , 47, 1821-1845	10.6	687
24	Estimating VOmax in children aged 5-6 years through the preschool-adapted 20-m shuttle-run test (PREFIT). <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 2295-2307	3.4	21
23	Does Cardiorespiratory Fitness Attenuate the Adverse Effects of Severe/Morbid Obesity on Cardiometabolic Risk and Insulin Resistance in Children? A Pooled Analysis. <i>Diabetes Care</i> , <b>2017</b> , 40, 1580-1587	14.6	21
22	Attention capacity in European adolescents: role of different health-related factors. The HELENA study. <i>European Journal of Pediatrics</i> , <b>2017</b> , 176, 1433-1437	4.1	1
21	Response to "the Obesity Phenotypes in Adolescents: Some Lessons From the HELENA Study" by Dr. Rey-Lopez and Dr. de Rezende. <i>Journal of Adolescent Health</i> , <b>2017</b> , 61, 267	5.8	
20	A whole brain volumetric approach in overweight/obese children: Examining the association with different physical fitness components and academic performance. The ActiveBrains project. <i>NeuroImage</i> , <b>2017</b> , 159, 346-354	7.9	79
19	Fitness and fatness in relation with attention capacity in European adolescents: The HELENA study. <i>Journal of Science and Medicine in Sport</i> , <b>2017</b> , 20, 373-379	4.4	18



18	Active commuting to school was inversely associated with academic achievement in primary but not secondary school students. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2017</b> , 106, 334-340	3.1	9
17	Physical Fitness Components And Cortical And Subcortical Brain Volume In Overweight/obese Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 514	1.2	
16	Adiposity, Physical Activity and Sedentary Time in Overweight Children With and Without Hepatic Steatosis. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1022	1.2	1
15	Critique of: "Physical Activity Assessment Between Consumer- and Research-Grade Accelerometers: A Comparative Study in Free-Living Conditions". <i>JMIR MHealth and UHealth</i> , <b>2017</b> , 5, e15	5.5	2
14	Biomechanical characteristics of adults walking forward and backward in water at different stride frequencies. <i>Journal of Sports Sciences</i> , <b>2016</b> , 34, 224-31	3.6	4
13	Assessing physical fitness in preschool children: Feasibility, reliability and practical recommendations for the PREFIT battery. <i>Journal of Science and Medicine in Sport</i> , <b>2016</b> , 19, 910-915	4.4	61
12	An exercise-based randomized controlled trial on brain, cognition, physical health and mental health in overweight/obese children (ActiveBrains project): Rationale, design and methods. <i>Contemporary Clinical Trials</i> , <b>2016</b> , 47, 315-24	2.3	59
11	Reliability and Validity of Different Models of TKK Hand Dynamometers. <i>American Journal of Occupational Therapy</i> , <b>2016</b> , 70, 7004300010	0.4	21
10	Associations of Fat Mass and Fat-Free Mass with Physical Fitness in 4-Year-Old Children: Results from the MINISTOP Trial. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	34
9	Prevalence of overweight/obesity and fitness level in preschool children from the north compared with the south of Europe: an exploration with two countries. <i>Pediatric Obesity</i> , <b>2016</b> , 11, 403-10	4.6	22
8	Health-related physical fitness is associated with total and central body fat in preschool children aged 3 to 5 years. <i>Pediatric Obesity</i> , <b>2016</b> , 11, 468-474	4.6	30
7	Physical activity intensity, sedentary behavior, body composition and physical fitness in 4-year-old children: results from the ministop trial. <i>International Journal of Obesity</i> , <b>2016</b> , 40, 1126-33	5.5	63
6	Associations of sedentary time patterns and TV viewing time with inflammatory and endothelial function biomarkers in children. <i>Pediatric Obesity</i> , <b>2016</b> , 11, 194-201	4.6	54
5	Assessment of handgrip strength in preschool children aged 3 to 5 years. <i>Journal of Hand Surgery: European Volume</i> , <b>2015</b> , 40, 966-72	1.4	23
4	Systematic review and proposal of a field-based physical fitness-test battery in preschool children: the PREFIT battery. <i>Sports Medicine</i> , <b>2015</b> , 45, 533-55	10.6	109
3	Role of Fitness in the Metabolically Healthy but Obese Phenotype: A Review and Update. <i>Progress in Cardiovascular Diseases</i> , <b>2015</b> , 58, 76-86	8.5	55
2	Kinematic Adaptations of Forward And Backward Walking on Land and in Water. <i>Journal of Human Kinetics</i> , <b>2015</b> , 49, 15-24	2.6	8
1	ANTHROPOMETRIC CHARACTERISTICS AND PHYSICAL FITNESS LEVEL IN RELATION TO BODY WEIGHT STATUS IN CHILEAN PRESCHOOL CHILDREN. <i>Nutricion Hospitalaria</i> , <b>2015</b> , 32, 346-53	1	6

