

Irene Esteban-Cornejo

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

3,425
citations

185998

28
h-index

189595

50
g-index

118
all docs

118
docs citations

118
times ranked

4195
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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> , 2022, 181, 2055-2065.	1.3	8
4	Prospective associations between physical fitness and executive function in adolescents: The UP&DOWN study. <i>Psychology of Sport and Exercise</i> , 2022, 61, 102203.	1.1	3
5	Handgrip strength and all-cause dementia incidence and mortality: findings from the UK Biobank prospective cohort study. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1514-1525.	2.9	32
6	Activity-related typologies and longitudinal change in physical activity and sedentary time in children and adolescents: The UP&DOWN Study. <i>Journal of Sport and Health Science</i> , 2021, 10, 447-453.	3.3	11
7	The fitness versus body fat hypothesis in relation to hippocampal structure. <i>Psychophysiology</i> , 2021, 58, e13591.	1.2	6
8	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
9	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> , 2021, 31, 653-664.	1.3	6
10	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
11	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
12	Bidirectional longitudinal associations of fatness with physical fitness in adolescents with Down syndrome. The UP&DOWN Longitudinal study. <i>Journal of Applied Research in Intellectual Disabilities</i> , 2021, 34, 90-98.	1.3	0
13	Longitudinal associations of physical fitness and body mass index with academic performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 184-192.	1.3	12
14	Active commuting to school among 36,781 Spanish children and adolescents: A temporal trend study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 914-924.	1.3	13
15	Correlates of dual trajectories of physical activity and sedentary time in youth: The UP & DOWN longitudinal study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1126-1134.	1.3	2
16	A longitudinal gender perspective of well-being and health in spanish youth: the UP&DOWN study. <i>Applied Psychology: Health and Well-Being</i> , 2021, 13, 282-298.	1.6	1
17	Representation of women in sport sciences research, publications, and editorial leadership positions: are we moving forward?. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 1093-1097.	0.6	33
18	Neurotoxicity prevention with a multimodal program (ATENTO) prior to cancer treatment versus throughout cancer treatment in women newly diagnosed for breast cancer: Protocol for a randomized clinical trial. <i>Research in Nursing and Health</i> , 2021, 44, 598-607.	0.8	2

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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	Aerobic exercise, cardiorespiratory fitness, and the human hippocampus. <i>Hippocampus</i> , 2021, 31, 817-844.	0.9	26
21	Objectively measured physical activity and academic performance in school-aged youth: The UP&DOWN longitudinal study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 2230-2240.	1.3	7
22	Mediation Role of Physical Fitness and Its Components on the Association Between Distribution-Related Fat Indicators and Adolescents'™ Cognitive Performance: Exploring the Influence of School Vulnerability. The Cogni-Action Project. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 746197.	1.0	9
23	Cross-sectional and prospective associations of sleep, sedentary and active behaviors with mental health in older people: a compositional data analysis from the Seniors-ENRICA-2 study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 124.	2.0	7
24	A Narrative Review of Motor Competence in Children and Adolescents: What We Know and What We Need to Find Out. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 18.	1.2	70
25	Reply to letter to the editor regarding "Representation of women in sport sciences research, publications, and editorial leadership positions: Are we moving forward?". <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 1099.	0.6	0
26	Physical activity less than the recommended amount may prevent the onset of major biological risk factors for cardiovascular disease: a cohort study of 198–919 adults. <i>British Journal of Sports Medicine</i> , 2020, 54, 238-244.	3.1	18
27	Associations between physical activity and sedentary time profiles transitions and changes in well-being in youth: The UP&DOWN longitudinal study. <i>Psychology of Sport and Exercise</i> , 2020, 47, 101558.	1.1	9
28	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
29	How socio-demographic and familiar circumstances are associated with total and domain-specific sedentary behaviour in youth? The UP&DOWN study. <i>European Journal of Sport Science</i> , 2020, 20, 1102-1112.	1.4	4
30	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> , 2020, 109, 995-1003.	0.7	9
31	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
32	Wellbeing as a Protective Factor of Adolescent Health. The Up & Down Study. <i>Child Indicators Research</i> , 2020, 13, 1453-1467.	1.1	2
33	Clinical and Ambulatory Gait Speed in Older Adults: Associations With Several Physical, Mental, and Cognitive Health Outcomes. <i>Physical Therapy</i> , 2020, 100, 718-727.	1.1	8
34	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
35	Twenty four-hour activity cycle in older adults using wrist-worn accelerometers: The seniors–ENRICA–2 study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 700-708.	1.3	36
36	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

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37	Do fitter kids have bigger brains?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2498-2502.	1.3	14
38	Associations between physical frailty and dementia incidence: a prospective study from UK Biobank. <i>The Lancet Healthy Longevity</i> , 2020, 1, e58-e68.	2.0	66
39	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
40	Effects of Exercise on Brain and Cognition Across Age Groups and Health States. <i>Trends in Neurosciences</i> , 2020, 43, 533-543.	4.2	176
41	Paediatric obesity and brain functioning: The role of physical activityâ€”A novel and important expert opinion of the European Childhood Obesity Group. <i>Pediatric Obesity</i> , 2020, 15, e12649.	1.4	14
42	Does modality matter? A latent profile and transition analysis of sedentary behaviours among school-aged youth: The UP&DOWN study. <i>Journal of Sports Sciences</i> , 2020, 38, 1062-1069.	1.0	2
43	Fitness, physical activity and academic achievement in overweight/obese children. <i>Journal of Sports Sciences</i> , 2020, 38, 731-740.	1.0	31
44	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
45	A Gamification-Based Intervention Program that Encourages Physical Activity Improves Cardiorespiratory Fitness of College Students: â€”The Matrix rEvolution Programâ€™. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 877.	1.2	18
46	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
47	Differences in Brain Volume between Metabolically Healthy and Unhealthy Overweight and Obese Children: The Role of Fitness. <i>Journal of Clinical Medicine</i> , 2020, 9, 1059.	1.0	9
48	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> , 2020, 9, 1080.	1.0	18
49	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
50	Physical Fitness and Self-Rated Health in Children and Adolescents: Cross-Sectional and Longitudinal Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2413.	1.2	17
51	The influence of cardiorespiratory fitness on clustered cardiovascular disease risk factors and the mediator role of body mass index in youth: The UP&DOWN Study. <i>Pediatric Diabetes</i> , 2019, 20, 32-40.	1.2	21
52	Comparability of published cutâ€”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
53	The influence of adherence to the Mediterranean diet on academic performance is mediated by sleep quality in adolescents. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 339-346.	0.7	28
54	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

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55	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
56	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> , 2019, 19, 260.	0.7	20
57	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
58	Changes in Body Composition and Physical Fitness in Adolescents with Down Syndrome: The UP&DOWN Longitudinal Study. <i>Childhood Obesity</i> , 2019, 15, 397-405.	0.8	7
59	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
60	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
61	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
62	Cognitive Frailty and Mortality in a National Cohort of Older Adults: the Role of Physical Activity. <i>Mayo Clinic Proceedings</i> , 2019, 94, 1180-1189.	1.4	39
63	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
64	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
65	24-h Movement and Nonmovement Behaviors in Older Adults. The IMPACT65+ Study. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 671-680.	0.2	7
66	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
67	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
68	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
69	Diet quality and well-being in children and adolescents: the UP&DOWN longitudinal study. <i>British Journal of Nutrition</i> , 2019, 121, 221-231.	1.2	27
70	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
71	Muscle Fitness Cut Points for Early Assessment of Cardiovascular Risk in Children and Adolescents. <i>Journal of Pediatrics</i> , 2019, 206, 134-141.e3.	0.9	31
72	Associations of total sedentary time, screen time and non-screen sedentary time with adiposity and physical fitness in youth: the mediating effect of physical activity. <i>Journal of Sports Sciences</i> , 2019, 37, 839-849.	1.0	17

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73	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
74	A Mediation Analysis on the Relationship of Physical Fitness Components, Obesity, and Academic Performance in Children. <i>Journal of Pediatrics</i> , 2018, 198, 90-97.e4.	0.9	32
75	Neural perspectives on cognitive control development during childhood and adolescence should take into account how obesity affects brain development. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 720-721.	0.7	7
76	Criterion-related validity of self-reported stair climbing in older adults. <i>Aging Clinical and Experimental Research</i> , 2018, 30, 199-203.	1.4	2
77	Early life programming of attention capacity in adolescents: The HELENA study. <i>Maternal and Child Nutrition</i> , 2018, 14, .	1.4	4
78	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
79	Reliability and validity of the Youth Leisure-time Sedentary Behavior Questionnaire (YLSBQ). <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 69-74.	0.6	44
80	Acute effect of three different exercise training modalities on executive function in overweight inactive men: A secondary analysis of the BrainFit study. <i>Physiology and Behavior</i> , 2018, 197, 22-28.	1.0	31
81	Physical Activity and Association Between Frailty and All-cause and Cardiovascular Mortality in Older Adults: Population-based Prospective Cohort Study. <i>Journal of the American Geriatrics Society</i> , 2018, 66, 2097-2103.	1.3	35
82	Independent and combined associations of physical fitness components with inflammatory biomarkers in children and adolescents. <i>Pediatric Research</i> , 2018, 84, 704-712.	1.1	14
83	The Role of Adiposity in the Association between Muscular Fitness and Cardiovascular Disease. <i>Journal of Pediatrics</i> , 2018, 199, 178-185.e4.	0.9	20
84	Commentary: At least eighty percent of brain grey matter is modifiable by physical activity: a review study. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 195.	1.0	5
85	Concurrent Criterion Validity of a Test of Usual Gait Speed in Older Adults. <i>Perceptual and Motor Skills</i> , 2018, 125, 908-922.	0.6	6
86	Dietary inflammatory index and academic performance in children. <i>Public Health Nutrition</i> , 2018, 21, 3253-3257.	1.1	4
87	Geographical Variation In Attention Capacity In European Adolescents. , 2018, , .		0
88	Changes in objectively measured physical activity in adolescents with Down syndrome: the UP&DOWN longitudinal study. <i>Journal of Intellectual Disability Research</i> , 2017, 61, 363-372.	1.2	9
89	Cardiorespiratory Fitness and Muscular Strength as Mediators of the Influence of Fatness on Academic Achievement. <i>Journal of Pediatrics</i> , 2017, 187, 127-133.e3.	0.9	35
90	Objectively Measured Physical Activity During Physical Education and School Recess and Their Associations With Academic Performance in Youth: The UP&DOWN Study. <i>Journal of Physical Activity and Health</i> , 2017, 14, 275-282.	1.0	17

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91	Neck circumference and clustered cardiovascular risk factors in children and adolescents: cross-sectional study. <i>BMJ Open</i> , 2017, 7, e016048.	0.8	23
92	Attention capacity in European adolescents: role of different health-related factors. The HELENA study. <i>European Journal of Pediatrics</i> , 2017, 176, 1433-1437.	1.3	4
93	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> , 2017, 159, 346-354.	2.1	113
94	Convergent validation of a questionnaire to assess the mode and frequency of commuting to and from school. <i>Scandinavian Journal of Public Health</i> , 2017, 45, 612-620.	1.2	57
95	Diet quality and attention capacity in European adolescents: the Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) study. <i>British Journal of Nutrition</i> , 2017, 117, 1587-1595.	1.2	21
96	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> , 2017, 106, 334-340.	0.7	14
97	Physical Fitness Components And Cortical And Subcortical Brain Volume In Overweight/obese Children. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 514.	0.2	0
98	Cardiorespiratory Fitness Cutoff Points for Early Detection of Present and Future Cardiovascular Risk in Children. <i>Mayo Clinic Proceedings</i> , 2017, 92, 1753-1762.	1.4	37
99	Parental and Adolescent Perceptions of Neighborhood Safety Related to Adolescents' Physical Activity in Their Neighborhood. <i>Research Quarterly for Exercise and Sport</i> , 2016, 87, 191-199.	0.8	63
100	Physical fitness as a mediator between objectively measured physical activity and clustered metabolic syndrome in children and adolescents: The UP&DOWN study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016, 26, 1011-1019.	1.1	23
101	Perceived environment in relation to objective and self-reported physical activity in Spanish youth. The UP&DOWN study. <i>Journal of Sports Sciences</i> , 2016, 34, 1423-1429.	1.0	8
102	Inflammatory biomarkers and academic performance in youth. The UP & DOWN Study. <i>Brain, Behavior, and Immunity</i> , 2016, 54, 122-127.	2.0	12
103	Maternal physical activity before and during the prenatal period and the offspring's academic performance in youth. The UP&DOWN study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016, 29, 1414-1420.	0.7	24
104	Adherence to the Mediterranean diet and academic performance in youth: the UP&DOWN study. <i>European Journal of Nutrition</i> , 2016, 55, 1133-1140.	1.8	60
105	Carta al Editor. <i>Nutricion Hospitalaria</i> , 2016, 33, 288.	0.2	2
106	Physical Activity throughout Adolescence and Cognitive Performance at 18 Years of Age. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2552-2557.	0.2	16
107	Objectively measured and self-reported leisure-time sedentary behavior and academic performance in youth: The UP&DOWN Study. <i>Preventive Medicine</i> , 2015, 77, 106-111.	1.6	35
108	Cognition and the risk of eating disorders in Spanish adolescents: the AVENA and AFINOS studies. <i>European Journal of Pediatrics</i> , 2015, 174, 229-236.	1.3	6

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109	Physical activity and cognition in adolescents: A systematic review. <i>Journal of Science and Medicine in Sport</i> , 2015, 18, 534-539.	0.6	210
110	STRAIGHT-A STUDENTS DISLIKE PHYSICAL EDUCATION IN ADOLESCENCE: MYTH OR TRUTH? THE AVENA, AFINOS AND UP&DOWN STUDIES. <i>Nutricion Hospitalaria</i> , 2015, 32, 318-23.	0.2	1
111	THE ASSOCIATION OF DANCE PARTICIPATION WITH BODY FAT AND PHYSICAL FITNESS AMONG YOUTH GIRLS. <i>Nutricion Hospitalaria</i> , 2015, 32, 1396-7.	0.2	0
112	Objectively measured physical activity has a negative but weak association with academic performance in children and adolescents. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014, 103, e501-6.	0.7	51
113	Independent and Combined Influence of the Components of Physical Fitness on Academic Performance in Youth. <i>Journal of Pediatrics</i> , 2014, 165, 306-312.e2.	0.9	94
114	Characteristics of extracurricular physical activity and cognitive performance in adolescents. The AVENA study. <i>Journal of Sports Sciences</i> , 2014, 32, 1596-1603.	1.0	11
115	Obese and unfit students dislike physical education in adolescence: myth or truth? The AVENA and UP&DOWN studies. <i>Nutricion Hospitalaria</i> , 2014, 30, 1319-23.	0.2	5