

# Jos Castro-Piero

## List of Publications by Citations

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109  
papers

3,318  
citations

26  
h-index

55  
g-index

123  
ext. papers

4,112  
ext. citations

3.9  
avg, IF

5.02  
L-index

#	Paper	IF	Citations
109	Predictive validity of health-related fitness in youth: a systematic review. <i>British Journal of Sports Medicine</i> , <b>2009</b> , 43, 909-23	10.3	474
108	A meta-analysis of college students' physical activity behaviors. <i>Journal of American College Health</i> , <b>2005</b> , 54, 116-25	2.2	335
107	Field-based fitness assessment in young people: the ALPHA health-related fitness test battery for children and adolescents. <i>British Journal of Sports Medicine</i> , <b>2011</b> , 45, 518-24	10.3	330
106	Criterion-related validity of field-based fitness tests in youth: a systematic review. <i>British Journal of Sports Medicine</i> , <b>2010</b> , 44, 934-43	10.3	267
105	Assessing muscular strength in youth: usefulness of standing long jump as a general index of muscular fitness. <i>Journal of Strength and Conditioning Research</i> , <b>2010</b> , 24, 1810-7	3.2	191
104	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
103	Percentile values for muscular strength field tests in children aged 6 to 17 years: influence of weight status. <i>Journal of Strength and Conditioning Research</i> , <b>2009</b> , 23, 2295-310	3.2	84
102	Reliability and Validity of Tests to Assess Lower-Body Muscular Power in Children. <i>Journal of Strength and Conditioning Research</i> , <b>2015</b> , 29, 2277-85	3.2	64
101	Assessing health-related fitness tests in the school setting: reliability, feasibility and safety; the ALPHA Study. <i>International Journal of Sports Medicine</i> , <b>2010</b> , 31, 490-7	3.6	63
100	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
99	Criterion-related validity of sit-and-reach and modified sit-and-reach test for estimating hamstring flexibility in children and adolescents aged 6-17 years. <i>International Journal of Sports Medicine</i> , <b>2009</b> , 30, 658-62	3.6	60
98	Follow-up in healthy schoolchildren and in adolescents with Down syndrome: psycho-environmental and genetic determinants of physical activity and its impact on fitness, cardiovascular diseases, inflammatory biomarkers and mental health; the UP&DOWN study. <i>BMC Public Health</i> , <b>2014</b> , 14, 400	4.1	54
97	Artificial neural network-based equation for estimating VO2max from the 20 m shuttle run test in adolescents. <i>Artificial Intelligence in Medicine</i> , <b>2008</b> , 44, 233-45	7.4	48
96	An Analysis of Research on Student Health-Related Fitness Knowledge in K-6 Physical Education Programs. <i>Journal of Teaching in Physical Education</i> , <b>2009</b> , 28, 333-349	2.2	44
95	Impact of COVID-19 Confinement on Physical Activity and Sedentary Behaviour in Spanish University Students: Role of Gender. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	43
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> , <b>2017</b> , 45, 612-620	3	42
93	Reliability and feasibility of physical fitness tests in female fibromyalgia patients. <i>International Journal of Sports Medicine</i> , <b>2015</b> , 36, 157-62	3.6	39

92	Objective assessment of sedentary time and physical activity throughout the week in adolescents with Down syndrome. The UP&DOWN study. <i>Research in Developmental Disabilities</i> , <b>2014</b> , 35, 482-9	2.7	37
91	Adherence to the Mediterranean diet and academic performance in youth: the UP&DOWN study. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 1133-40	5.2	36
90	Muscular strength and markers of insulin resistance in European adolescents: the HELENA Study. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 2455-65	3.4	36
89	Associations of muscular fitness with psychological positive health, health complaints, and health risk behaviors in Spanish children and adolescents. <i>Journal of Strength and Conditioning Research</i> , <b>2012</b> , 26, 167-73	3.2	35
88	Positive health, cardiorespiratory fitness and fatness in children and adolescents. <i>European Journal of Public Health</i> , <b>2012</b> , 22, 52-6	2.1	34
87	Objectively measured and self-reported leisure-time sedentary behavior and academic performance in youth: The UP&DOWN Study. <i>Preventive Medicine</i> , <b>2015</b> , 77, 106-11	4.3	29
86	Reliability and validity of the Youth Leisure-time Sedentary Behavior Questionnaire (YLSBQ). <i>Journal of Science and Medicine in Sport</i> , <b>2018</b> , 21, 69-74	4.4	29
85	Reliability of the ALPHA health-related fitness test battery in adolescents with Down syndrome. <i>Journal of Strength and Conditioning Research</i> , <b>2013</b> , 27, 3221-4	3.2	28
84	Percentile values for aerobic performance running/walking field tests in children aged 6 to 17 years: influence of weight status. <i>Nutricion Hospitalaria</i> , <b>2011</b> , 26, 572-8	1	27
83	Reliability and Concurrent Validity of Global Physical Activity Questionnaire (GPAQ): A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	26
82	Fitness testing in the fibromyalgia diagnosis: the al-Badalus project. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 451-9	1.2	26
81	Hip flexibility is the main determinant of the back-saver sit-and-reach test in adolescents. <i>Journal of Sports Sciences</i> , <b>2010</b> , 28, 641-8	3.6	26
80	Cardiorespiratory Fitness Cutoff Points for Early Detection of Present and Future Cardiovascular Risk in Children: A 2-Year Follow-up Study. <i>Mayo Clinic Proceedings</i> , <b>2017</b> , 92, 1753-1762	6.4	25
79	The effect of 12-month participation in osteogenic and non-osteogenic sports on bone development in adolescent male athletes. The PRO-BONE study. <i>Journal of Science and Medicine in Sport</i> , <b>2018</b> , 21, 404-409	4.4	24
78	Parental educational level and psychological positive health and health complaints in Spanish children and adolescents. <i>Child: Care, Health and Development</i> , <b>2016</b> , 42, 534-43	2.8	24
77	Association of sleep patterns with psychological positive health and health complaints in children and adolescents. <i>Quality of Life Research</i> , <b>2015</b> , 24, 885-95	3.7	23
76	Muscle Fitness Cut Points for Early Assessment of Cardiovascular Risk in Children and Adolescents. <i>Journal of Pediatrics</i> , <b>2019</b> , 206, 134-141.e3	3.6	23
75	Association between Clustering of Lifestyle Behaviors and Health-Related Physical Fitness in Youth: The UP&DOWN Study. <i>Journal of Pediatrics</i> , <b>2018</b> , 199, 41-48.e1	3.6	20

74	The Role of School in Helping Children and Adolescents Reach the Physical Activity Recommendations: The UP&DOWN Study. <i>Journal of School Health</i> , <b>2019</b> , 89, 612-618	2.1	19
73	Independent and combined influence of neonatal and current body composition on academic performance in youth: The UP & DOWN Study. <i>Pediatric Obesity</i> , <b>2015</b> , 10, 157-64	4.6	19
72	Lifestyle Clusters in School-Aged Youth and Longitudinal Associations with Fatness: The UP&DOWN Study. <i>Journal of Pediatrics</i> , <b>2018</b> , 203, 317-324.e1	3.6	19
71	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> , <b>2016</b> , 29, 1414-20	2	18
70	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> , <b>2016</b> , 26, 1011-1019	4.5	18
69	Cardiorespiratory fitness and fatness are associated with health complaints and health risk behaviors in youth. <i>Journal of Physical Activity and Health</i> , <b>2012</b> , 9, 642-9	2.5	18
68	Muscle strength field-based tests to identify European adolescents at risk of metabolic syndrome: The HELENA study. <i>Journal of Science and Medicine in Sport</i> , <b>2019</b> , 22, 929-934	4.4	17
67	Percentile values for running sprint field tests in children ages 6-17 years: influence of weight status. <i>Research Quarterly for Exercise and Sport</i> , <b>2010</b> , 81, 143-51	1.9	16
66	Diet quality and well-being in children and adolescents: the UP&DOWN longitudinal study. <i>British Journal of Nutrition</i> , <b>2019</b> , 121, 221-231	3.6	15
65	Reliability and Validity of Field-Based Tests to Assess Upper-Body Muscular Strength in Children Aged 6-12 Years. <i>Pediatric Exercise Science</i> , <b>2016</b> , 28, 331-340	2	14
64	Percentile values for flexibility tests in youths aged 6 to 17 years: Influence of weight status. <i>European Journal of Sport Science</i> , <b>2013</b> , 13, 139-148	3.9	14
63	Association of sedentary time and physical fitness with ideal cardiovascular health in perimenopausal women: The FLAMENCO project. <i>Maturitas</i> , <b>2019</b> , 120, 53-60	5	13
62	Association of Patterns of Moderate-to-Vigorous Physical Activity Bouts With Pain, Physical Fatigue, and Disease Severity in Women With Fibromyalgia: the al-Bdalus Project. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2019</b> , 100, 1234-1242.e1	2.8	12
61	Neck circumference and clustered cardiovascular risk factors in children and adolescents: cross-sectional study. <i>BMJ Open</i> , <b>2017</b> , 7, e016048	3	12
60	The association of total and central body fat with pain, fatigue and the impact of fibromyalgia in women; role of physical fitness. <i>European Journal of Pain</i> , <b>2016</b> , 20, 811-21	3.7	12
59	The Role of Adiposity in the Association between Muscular Fitness and Cardiovascular Disease. <i>Journal of Pediatrics</i> , <b>2018</b> , 199, 178-185.e4	3.6	12
58	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> , <b>2017</b> , 14, 275-282	2.5	11
57	Criterion-related validity of the one-mile run/walk test in children aged 8-17 years. <i>Journal of Sports Sciences</i> , <b>2009</b> , 27, 405-13	3.6	11

56	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> , <b>2019</b> , 37, 839-849	3.6	11
55	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> , <b>2019</b> , 20, 32-40	3.6	11
54	Active Commuting Behaviours from High School to University in Chile: A Retrospective Study. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 16,	4.6	10
53	Independent and combined associations of physical fitness components with inflammatory biomarkers in children and adolescents. <i>Pediatric Research</i> , <b>2018</b> , 84, 704-712	3.2	9
52	Concurrent validity of supraclavicular skin temperature measured with iButtons and infrared thermography as a surrogate marker of brown adipose tissue. <i>Journal of Thermal Biology</i> , <b>2019</b> , 82, 186-196	2.9	8
51	Inflammatory biomarkers and academic performance in youth. The UP & DOWN Study. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 54, 122-127	16.6	8
50	Criterion related validity of 1/2 mile run-walk test for estimating VO2peak in children aged 6-17 years. <i>International Journal of Sports Medicine</i> , <b>2009</b> , 30, 366-71	3.6	8
49	Mediation role of cardiorespiratory fitness on the association between fatness and cardiometabolic risk in European adolescents: The HELENA study. <i>Journal of Sport and Health Science</i> , <b>2021</b> , 10, 360-367	8.2	8
48	Perceived environment in relation to objective and self-reported physical activity in Spanish youth. The UP&DOWN study. <i>Journal of Sports Sciences</i> , <b>2016</b> , 34, 1423-9	3.6	7
47	Environmental correlates of total and domain-specific sedentary behaviour in young people. The UP&DOWN study. <i>European Journal of Sport Science</i> , <b>2019</b> , 19, 696-706	3.9	7
46	Social correlates of sedentary behavior in young people: The UP&DOWN study. <i>Journal of Sport and Health Science</i> , <b>2020</b> , 9, 189-196	8.2	7
45	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> , <b>2021</b> , 10, 447-453	8.2	6
44	Cardiorespiratory fitness and academic performance association is mediated by weight status in adolescents: DADOS study. <i>European Journal of Pediatrics</i> , <b>2018</b> , 177, 1037-1043	4.1	6
43	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
42	Changes in compliance with school-based physical activity recommendations in Spanish youth: The UP&DOWN longitudinal study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 554-565	4.6	6
41	The Potential of Established Fitness Cut-off Points for Monitoring Women with Fibromyalgia: The al-Bdalus Project. <i>International Journal of Sports Medicine</i> , <b>2017</b> , 38, 359-369	3.6	5
40	High Levels of Physical Fitness Are Associated With Better Health-Related Quality of Life in Women With Fibromyalgia: The al-Bdalus Project. <i>Physical Therapy</i> , <b>2019</b> , 99, 1481-1494	3.3	5
39	Reliability of Field-Based Fitness Tests in Adults: A Systematic Review.. <i>Sports Medicine</i> , <b>2022</b> , 1	10.6	5

38	Reliability and Validity of Field-Based Tests to Assess Upper-Body Muscular Strength in Children Aged 6-12 Years. <i>Pediatric Exercise Science</i> , <b>2016</b> , 28, 331-40	2	5
37	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> , <b>2020</b> , 47, 101558	4.2	5
36	Changes in the school and non-school sedentary time in youth: The UP&DOWN longitudinal study. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 780-786	3.6	4
35	Validation of Instrumented Insoles for Measuring Height in Vertical Jump. <i>International Journal of Sports Medicine</i> , <b>2016</b> , 37, 374-81	3.6	4
34	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> , <b>2020</b> , 17,	4.6	4
33	Longitudinal associations of physical fitness and body mass index with academic performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 184-192	4.6	4
32	Inertial flywheel resistance training and muscle oxygen saturation. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2018</b> , 58, 1618-1624	1.4	4
31	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> , <b>2021</b> , 31, 2230-2240	4.6	4
30	Physical fitness and its association with cognitive performance in Chilean schoolchildren: The Cogni-Action Project. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 1352-1362	4.6	3
29	Bidirectional associations between fitness and fatness in youth: A longitudinal study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2020</b> , 30, 1483-1496	4.6	3
28	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> , <b>2021</b> , 31, 914-924	4.6	3
27	Kinematic analysis of the standing long jump in children 6- to 12-years-old. <i>Measurement in Physical Education and Exercise Science</i> , <b>2018</b> , 22, 70-78	1.9	3
26	Changes in and the mediating role of physical activity in relation to active school transport, fitness and adiposity among Spanish youth: the UP&DOWN longitudinal study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , <b>2020</b> , 17, 37	8.4	2
25	[Not Available]. <i>Nutricion Hospitalaria</i> , <b>2016</b> , 33, 130	1	2
24	GNSS Applications to Assess Performance in Olympic Sailors: Laser Class. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 264	2.6	2
23	Physical Activity, Fitness and Fatness in Children and Adolescents <b>2011</b> , 347-366		2
22	Assessing Physical Fitness In PReschool Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 517-518	1.2	1
21	Changes in Body Composition and Physical Fitness in Adolescents with Down Syndrome: The UP&DOWN Longitudinal Study. <i>Childhood Obesity</i> , <b>2019</b> , 15, 397-405	2.5	1

20	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> , <b>2020</b> , 38, 1062-1069	3.6	1
19	Changes in Active Behaviours, Physical Activity, Sedentary Time, and Physical Fitness in Chilean Parents during the COVID-19 Pandemic: A Retrospective Study.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	1
18	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> , <b>2020</b> , 20, 1102-1112	3.9	1
17	Wellbeing as a Protective Factor of Adolescent Health. The Up & Down Study. <i>Child Indicators Research</i> , <b>2020</b> , 13, 1453-1467	1.9	1
16	Physical Activity Levels of Chilean Children in a National School Intervention Programme. A Quasi-Experimental Study. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	1
15	A New Nasal Restriction Device Called FeelBreathe Improves Breathing Patterns in Chronic Obstructive Pulmonary Disease Patients during Exercise. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	1
14	Association of Self-Reported Physical Fitness with Pregnancy Related Symptoms the GESTAFIT Project. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
13	Development of cardiorespiratory fitness standards for working memory using receiver operating curves in 15-year-old adolescents. <i>BMC Pediatrics</i> , <b>2021</b> , 21, 208	2.6	1
12	A longitudinal gender perspective of well-being and health in spanish youth: the UP&DOWN study. <i>Applied Psychology: Health and Well-Being</i> , <b>2021</b> , 13, 282-298	6.8	1
11	The Impact of Scholastic Factors on Physical Activity Levels during the COVID-19 Lockdown: A Prospective Study on Adolescents from Bosnia and Herzegovina. <i>Children</i> , <b>2021</b> , 8,	2.8	1
10	Validity and Reliability of the International Fitness Scale (IFIS) in preschool children.. <i>European Journal of Sport Science</i> , <b>2022</b> , 1-24	3.9	1
9	Validity and reliability of the 1/4 mile run-walk test in physically active children and adolescents. <i>Nutricion Hospitalaria</i> , <b>2014</b> , 31, 875-82	1	1
8	Handgrip strength asymmetry is associated with slow gait speed and poorer standing balance in older Americans.. <i>Archives of Gerontology and Geriatrics</i> , <b>2022</b> , 102, 104716	4	1
7	Fitness, waist circumference and their association with future blood pressure in youth: The UP&DOWN Longitudinal Study. <i>Journal of Science and Medicine in Sport</i> , <b>2021</b> , 24, 573-579	4.4	0
6	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> , <b>2021</b> , 31, 1126-1134	4.6	0
5	Mediation Role of Physical Fitness and Its Components on the Association Between Distribution-Related Fat Indicators and AdolescentsPCognitive Performance: Exploring the Influence of School Vulnerability. The Cogni-Action Project. <i>Frontiers in Behavioral Neuroscience</i> , <b>2021</b> , 15, 746197	3.5	0
4	The favourable association of self-reported physical fitness with depression and anxiety during pregnancy. The GESTAFIT project. <i>European Journal of Sport Science</i> , <b>2021</b> , 1-9	3.9	0
3	Prospective associations between physical fitness and executive function in adolescents: The UP&DOWN study. <i>Psychology of Sport and Exercise</i> , <b>2022</b> , 102203	4.2	0

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|---|---|-----|
| 2 | Temporal Trends of Compliance With School-Based Physical Activity Recommendations Among Spanish Children, 2011-2018. <i>Journal of Physical Activity and Health</i> , <b>2020</b> , 17, 756-761   | 2.5 |
| 1 | A cross-sectional association of physical fitness with positive and negative affect in children and adolescents: the up & down study. <i>Pediatrics International</i> , <b>2021</b> , 63, 202-209 | 1.2 |