

Francisco B Ortega

List of Publications by Citations

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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.

451
papers

20,663
citations

67
h-index

127
g-index

501
ext. papers

26,708
ext. citations

4.6
avg, IF

6.86
L-index

#	Paper	IF	Citations
451	Physical fitness in childhood and adolescence: a powerful marker of health. <i>International Journal of Obesity</i> , 2008 , 32, 1-11	5.5	1246
450	World Health Organization 2020 guidelines on physical activity and sedentary behaviour. <i>British Journal of Sports Medicine</i> , 2020 , 54, 1451-1462	10.3	1192
449	Accelerometer Data Collection and Processing Criteria to Assess Physical Activity and Other Outcomes: A Systematic Review and Practical Considerations. <i>Sports Medicine</i> , 2017 , 47, 1821-1845	10.6	687
448	Obesity and Cardiovascular Disease. <i>Circulation Research</i> , 2016 , 118, 1752-70	15.7	496
447	Predictive validity of health-related fitness in youth: a systematic review. <i>British Journal of Sports Medicine</i> , 2009 , 43, 909-23	10.3	474
446	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> , 2011 , 45, 518-24	10.3	330
445	The intriguing metabolically healthy but obese phenotype: cardiovascular prognosis and role of fitness. <i>European Heart Journal</i> , 2013 , 34, 389-97	9.5	295
444	Comparisons of leisure-time physical activity and cardiorespiratory fitness as predictors of all-cause mortality in men and women. <i>British Journal of Sports Medicine</i> , 2011 , 45, 504-10	10.3	284
443	Muscular strength in male adolescents and premature death: cohort study of one million participants. <i>BMJ, The</i> , 2012 , 345, e7279	5.9	283
442	Criterion-related validity of field-based fitness tests in youth: a systematic review. <i>British Journal of Sports Medicine</i> , 2010 , 44, 934-43	10.3	267
441	Short sleep duration is associated with increased obesity markers in European adolescents: effect of physical activity and dietary habits. The HELENA study. <i>International Journal of Obesity</i> , 2011 , 35, 1308-17	5.7	260
440	Obesity and Prevalence of Cardiovascular Diseases and Prognosis-The Obesity Paradox Updated. <i>Progress in Cardiovascular Diseases</i> , 2016 , 58, 537-47	8.5	259
439	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	10.6	247
438	An Overview and Update on Obesity and the Obesity Paradox in Cardiovascular Diseases. <i>Progress in Cardiovascular Diseases</i> , 2018 , 61, 142-150	8.5	247
437	Physical fitness levels among European adolescents: the HELENA study. <i>British Journal of Sports Medicine</i> , 2011 , 45, 20-9	10.3	226
436	Reliability of health-related physical fitness tests in European adolescents. The HELENA Study. <i>International Journal of Obesity</i> , 2008 , 32 Suppl 5, S49-57	5.5	218
435	Relations of total physical activity and intensity to fitness and fatness in children: the European Youth Heart Study. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 299-303	7	213

434	Objectively measured physical activity and sedentary time in European adolescents: the HELENA study. <i>American Journal of Epidemiology</i> , 2011 , 174, 173-84	3.8	210
433	Relations of total physical activity and intensity to fitness and fatness in children: the European Youth Heart Study. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 299-303	7	202
432	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> , 2010 , 24, 1810-7	3.2	191
431	Concurrent validity of a modified version of the International Physical Activity Questionnaire (IPAQ-A) in European adolescents: The HELENA Study. <i>International Journal of Obesity</i> , 2008 , 32 Suppl 5, S42-8	5.5	190
430	Assessing, understanding and modifying nutritional status, eating habits and physical activity in European adolescents: the HELENA (Healthy Lifestyle in Europe by Nutrition in Adolescence) Study. <i>Public Health Nutrition</i> , 2008 , 11, 288-99	3.3	190
429	Muscular Strength as a Predictor of All-Cause Mortality in an Apparently Healthy Population: A Systematic Review and Meta-Analysis of Data From Approximately 2 Million Men and Women. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018 , 99, 2100-2113.e5	2.8	187
428	Objectively measured physical activity and sedentary time during childhood, adolescence and young adulthood: a cohort study. <i>PLoS ONE</i> , 2013 , 8, e60871	3.7	179
427	Harmonization process and reliability assessment of anthropometric measurements in a multicenter study in adolescents. <i>International Journal of Obesity</i> , 2008 , 32 Suppl 5, S58-65	5.5	176
426	Cardiorespiratory fitness cut points to avoid cardiovascular disease risk in children and adolescents; what level of fitness should raise a red flag? A systematic review and meta-analysis. <i>British Journal of Sports Medicine</i> , 2016 , 50, 1451-1458	10.3	176
425	Healthy Weight and Obesity Prevention: JACC Health Promotion Series. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 1506-1531	15.1	172
424	Relationship of physical activity, fitness, and fatness with clustered metabolic risk in children and adolescents: the European youth heart study. <i>Journal of Pediatrics</i> , 2007 , 150, 388-94	3.6	171
423	A prospective study of muscular strength and all-cause mortality in men with hypertension. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 1831-7	15.1	170
422	Muscular and cardiorespiratory fitness are independently associated with metabolic risk in adolescents: the HELENA study. <i>Pediatric Diabetes</i> , 2011 , 12, 704-12	3.6	159
421	High cardiovascular fitness is associated with low metabolic risk score in children: the European Youth Heart Study. <i>Pediatric Research</i> , 2007 , 61, 350-5	3.2	157
420	Reliability of field-based fitness tests in youth. <i>International Journal of Sports Medicine</i> , 2011 , 32, 159-69	3.6	144
419	Body Mass Index, the Most Widely Used But Also Widely Criticized Index: Would a Criterion Standard Measure of Total Body Fat Be a Better Predictor of Cardiovascular Disease Mortality?. <i>Mayo Clinic Proceedings</i> , 2016 , 91, 443-55	6.4	141
418	European normative values for physical fitness in children and adolescents aged 9-17 years: results from 2 779 165 Eurofit performances representing 30 countries. <i>British Journal of Sports Medicine</i> , 2018 , 52, 1445-1456	10.3	127
417	Elbow position affects handgrip strength in adolescents: validity and reliability of Jamar, DynEx, and TKK dynamometers. <i>Journal of Strength and Conditioning Research</i> , 2010 , 24, 272-7	3.2	126

4 ¹⁶	2020 WHO guidelines on physical activity and sedentary behaviour for children and adolescents aged 5-17 years: summary of the evidence. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020 , 17, 141	8.4	124
4 ¹⁵	Inflammatory proteins are related to total and abdominal adiposity in a healthy adolescent population: the AVENA Study. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 505-12	7	120
4 ¹⁴	International normative 20 m shuttle run values from 1 142 026 children and youth representing 50 countries. <i>British Journal of Sports Medicine</i> , 2017 , 51, 1545-1554	10.3	118
4 ¹³	Physical activity, overweight and central adiposity in Swedish children and adolescents: the European Youth Heart Study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2007 , 4, 61	8.4	116
4 ¹²	Sedentary patterns and media availability in European adolescents: The HELENA study. <i>Preventive Medicine</i> , 2010 , 51, 50-5	4.3	112
4 ¹¹	Health-related fitness in adolescents: underweight, and not only overweight, as an influencing factor. The AVENA study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010 , 20, 418-27	4.6	112
4 ¹⁰	Cardiorespiratory fitness and sedentary activities are associated with adiposity in adolescents. <i>Obesity</i> , 2007 , 15, 1589-99	8	111
4 ⁰⁹	Hand span influences optimal grip span in male and female teenagers. <i>Journal of Hand Surgery</i> , 2006 , 31, 1367-72	2.6	111
4 ⁰⁸	Systematic review and proposal of a field-based physical fitness-test battery in preschool children: the PREFIT battery. <i>Sports Medicine</i> , 2015 , 45, 533-55	10.6	109
4 ⁰⁷	The International Fitness Scale (IFIS): usefulness of self-reported fitness in youth. <i>International Journal of Epidemiology</i> , 2011 , 40, 701-11	7.8	105
4 ⁰⁶	A physical education trial improves adolescents' cognitive performance and academic achievement: the EDUFIT study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, e52-61	4.6	99
4 ⁰⁵	Secular trends in health-related physical fitness in Spanish adolescents: the AVENA and HELENA studies. <i>Journal of Science and Medicine in Sport</i> , 2010 , 13, 584-8	4.4	98
4 ⁰⁴	Bajo nivel de forma física en los adolescentes españoles. Importancia para la salud cardiovascular futura (Estudio AVENA). <i>Revista Espanola De Cardiologia</i> , 2005 , 58, 898-909	1.5	92
4 ⁰³	Physical fitness reference standards in European children: the IDEFICS study. <i>International Journal of Obesity</i> , 2014 , 38 Suppl 2, S57-66	5.5	91
4 ⁰²	Health-related fitness assessment in childhood and adolescence: a European approach based on the AVENA, EYHS and HELENA studies. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2006 , 14, 269-277	1.4	89
4 ⁰¹	Adiposity and bone health in Spanish adolescents. The HELENA study. <i>Osteoporosis International</i> , 2012 , 23, 937-47	5.3	88
4 ⁰⁰	Physical activity, fitness, weight status, and cognitive performance in adolescents. <i>Journal of Pediatrics</i> , 2010 , 157, 917-922.e1-5	3.6	86
399	Attenuation of the effect of the FTO rs9939609 polymorphism on total and central body fat by physical activity in adolescents: the HELENA study. <i>JAMA Pediatrics</i> , 2010 , 164, 328-33		85

398	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	7.9	79
397	Levels of physical activity that predict optimal bone mass in adolescents: the HELENA study. <i>American Journal of Preventive Medicine</i> , 2011 , 40, 599-607	6.1	79
396	Comparison of the IPAQ-A and actigraph in relation to VO2max among European adolescents: the HELENA study. <i>Journal of Science and Medicine in Sport</i> , 2011 , 14, 317-24	4.4	79
395	Recommended levels of physical activity to avoid an excess of body fat in European adolescents: the HELENA Study. <i>American Journal of Preventive Medicine</i> , 2010 , 39, 203-11	6.1	75
394	Anthropometric body fat composition reference values in Spanish adolescents. The AVENA Study. <i>European Journal of Clinical Nutrition</i> , 2006 , 60, 191-6	5.2	75
393	Reliability and validity of a screen time-based sedentary behaviour questionnaire for adolescents: The HELENA study. <i>European Journal of Public Health</i> , 2012 , 22, 373-7	2.1	72
392	Aerobic physical fitness in relation to blood lipids and fasting glycaemia in adolescents: influence of weight status. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2006 , 16, 285-93	4.5	72
391	Variations in accelerometry measured physical activity and sedentary time across Europe - harmonized analyses of 47,497 children and adolescents. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020 , 17, 38	8.4	71
390	Active commuting to school in children and adolescents: an opportunity to increase physical activity and fitness. <i>Scandinavian Journal of Public Health</i> , 2010 , 38, 873-9	3	71
389	Mobile-based intervention intended to stop obesity in preschool-aged children: the MINISTOP randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 1327-1335	7	70
388	Associations of muscular and cardiorespiratory fitness with total and central body fat in adolescents: the HELENA study. <i>British Journal of Sports Medicine</i> , 2011 , 45, 101-8	10.3	70
387	Health Effects of Overweight and Obesity in 195 Countries. <i>New England Journal of Medicine</i> , 2017 , 377, 1496-7	59.2	69
386	Activating brown adipose tissue through exercise (ACTIBATE) in young adults: Rationale, design and methodology. <i>Contemporary Clinical Trials</i> , 2015 , 45, 416-425	2.3	65
385	Socio-economic factors and active commuting to school in urban Spanish adolescents: the AVENA study. <i>European Journal of Public Health</i> , 2009 , 19, 470-6	2.1	64
384	Body fat distribution reference standards in Spanish adolescents: the AVENA Study. <i>International Journal of Obesity</i> , 2007 , 31, 1798-805	5.5	64
383	Assessing health-related fitness tests in the school setting: reliability, feasibility and safety; the ALPHA Study. <i>International Journal of Sports Medicine</i> , 2010 , 31, 490-7	3.6	63
382	Association of objectively assessed physical activity with total and central body fat in Spanish adolescents; the HELENA Study. <i>International Journal of Obesity</i> , 2009 , 33, 1126-35	5.5	63
381	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> , 2016 , 40, 1126-33	5.5	63

380	Fibromyalgia has a larger impact on physical health than on psychological health, yet both are markedly affected: the al-Bidalus project. <i>Seminars in Arthritis and Rheumatism</i> , 2015 , 44, 563-570	5.3	62
379	Inflammatory proteins and muscle strength in adolescents: the Avena study. <i>JAMA Pediatrics</i> , 2008 , 162, 462-8		62
378	Associations of low-grade inflammation with physical activity, fitness and fatness in prepubertal children; the European Youth Heart Study. <i>International Journal of Obesity</i> , 2007 , 31, 1545-51	5.5	62
377	Cardiorespiratory fitness and ideal cardiovascular health in European adolescents. <i>Heart</i> , 2015 , 101, 766-73	5.3	61
376	Assessing physical fitness in preschool children: Feasibility, reliability and practical recommendations for the PREFIT battery. <i>Journal of Science and Medicine in Sport</i> , 2016 , 19, 910-915	4.4	61
375	Food and drink intake during television viewing in adolescents: the Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) study. <i>Public Health Nutrition</i> , 2011 , 14, 1563-9	3.3	61
374	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> , 2009 , 30, 658-62	3.6	60
373	Climbing time to exhaustion is a determinant of climbing performance in high-level sport climbers. <i>European Journal of Applied Physiology</i> , 2009 , 107, 517-25	3.4	60
372	Physical fitness effect on bone mass is mediated by the independent association between lean mass and bone mass through adolescence: a cross-sectional study. <i>Journal of Bone and Mineral Metabolism</i> , 2008 , 26, 288-94	2.9	60
371	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> , 2016 , 47, 315-24	2.3	59
370	Markers of insulin resistance are associated with fatness and fitness in school-aged children: the European Youth Heart Study. <i>Diabetologia</i> , 2007 , 50, 1401-8	10.3	59
369	Improvements in fitness reduce the risk of becoming overweight across puberty. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 1891-7	1.2	57
368	Advancing the global physical activity agenda: recommendations for future research by the 2020 WHO physical activity and sedentary behavior guidelines development group. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020 , 17, 143	8.4	56
367	Role of Fitness in the Metabolically Healthy but Obese Phenotype: A Review and Update. <i>Progress in Cardiovascular Diseases</i> , 2015 , 58, 76-86	8.5	55
366	Association of physical activity with muscular strength and fat-free mass in adolescents: the HELENA study. <i>European Journal of Applied Physiology</i> , 2010 , 109, 1119-27	3.4	55
365	Excessive sedentary time and low cardiorespiratory fitness in European adolescents: the HELENA study. <i>Archives of Disease in Childhood</i> , 2011 , 96, 240-6	2.2	54
364	Objectively-measured and self-reported physical activity and fitness in relation to inflammatory markers in European adolescents: the HELENA Study. <i>Atherosclerosis</i> , 2012 , 221, 260-7	3.1	53
363	Sleep patterns in Spanish adolescents: associations with TV watching and leisure-time physical activity. <i>European Journal of Applied Physiology</i> , 2010 , 110, 563-73	3.4	52

362	Making a Case for Cardiorespiratory Fitness Surveillance Among Children and Youth. <i>Exercise and Sport Sciences Reviews</i> , 2018 , 46, 66-75	6.7	51
361	Association between self-reported sleep duration and dietary quality in European adolescents. <i>British Journal of Nutrition</i> , 2013 , 110, 949-59	3.6	50
360	Physical fitness in rural and urban children and adolescents from Spain. <i>Journal of Science and Medicine in Sport</i> , 2011 , 14, 417-23	4.4	50
359	The Threshold Distance Associated With Walking From Home to School. <i>Health Education and Behavior</i> , 2017 , 44, 857-866	4.2	48
358	Artificial neural network-based equation for estimating VO2max from the 20 m shuttle run test in adolescents. <i>Artificial Intelligence in Medicine</i> , 2008 , 44, 233-45	7.4	48
357	The Impact of Physical Activity on Brain Structure and Function in Youth: A Systematic Review. <i>Pediatrics</i> , 2019 , 144,	7.4	47
356	Six-year trend in active commuting to school in Spanish adolescents. The AVENA and AFINOS Studies. <i>International Journal of Behavioral Medicine</i> , 2013 , 20, 529-37	2.6	47
355	Sleep duration and activity levels in Estonian and Swedish children and adolescents. <i>European Journal of Applied Physiology</i> , 2011 , 111, 2615-23	3.4	47
354	Cardiovascular fitness modifies the associations between physical activity and abdominal adiposity in children and adolescents: the European Youth Heart Study. <i>British Journal of Sports Medicine</i> , 2010 , 44, 256-62	10.3	47
353	Longitudinal Physical Activity, Body Composition, and Physical Fitness in Preschoolers. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2078-2085	1.2	46
352	A web- and mobile phone-based intervention to prevent obesity in 4-year-olds (MINISTOP): a population-based randomized controlled trial. <i>BMC Public Health</i> , 2015 , 15, 95	4.1	46
351	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> , 2018 , 61, 190-205	8.5	46
350	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	4.6	45
349	Intergenerational cardiovascular disease risk factors involve both maternal and paternal BMI. <i>Diabetes Care</i> , 2010 , 33, 894-900	14.6	44
348	Does a 3-month multidisciplinary intervention improve pain, body composition and physical fitness in women with fibromyalgia?. <i>British Journal of Sports Medicine</i> , 2011 , 45, 1189-95	10.3	44
347	Small birth weight and later body composition and fat distribution in adolescents: the Avena study. <i>Obesity</i> , 2008 , 16, 1680-6	8	44
346	Self-reported and measured cardiorespiratory fitness similarly predict cardiovascular disease risk in young adults. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013 , 23, 749-57	4.6	43
345	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> , 2021 , 18,	4.6	43

344	Physical Activity Is Associated with Attention Capacity in Adolescents. <i>Journal of Pediatrics</i> , 2016 , 168, 126-131.e2	3.6	42
343	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	3	42
342	Recommended levels and intensities of physical activity to avoid low-cardiorespiratory fitness in European adolescents: The HELENA study. <i>American Journal of Human Biology</i> , 2010 , 22, 750-6	2.7	42
341	Body Composition Indices and Single and Clustered Cardiovascular Disease Risk Factors in Adolescents: Providing Clinical-Based Cut-Points. <i>Progress in Cardiovascular Diseases</i> , 2016 , 58, 555-64	8.5	41
340	Seasonal variation in physical activity and sedentary time in different European regions. The HELENA study. <i>Journal of Sports Sciences</i> , 2013 , 31, 1831-40	3.6	41
339	Association of Physical Fitness With Pain in Women With Fibromyalgia: The al-Bdalu Project. <i>Arthritis Care and Research</i> , 2015 , 67, 1561-70	4.7	41
338	Reliability and intermethod agreement for body fat assessment among two field and two laboratory methods in adolescents. <i>Obesity</i> , 2012 , 20, 221-8	8	41
337	Dietary animal and plant protein intakes and their associations with obesity and cardio-metabolic indicators in European adolescents: the HELENA cross-sectional study. <i>Nutrition Journal</i> , 2015 , 14, 10	4.3	40
336	Active commuting and physical activity in adolescents from Europe: results from the HELENA study. <i>Pediatric Exercise Science</i> , 2011 , 23, 207-17	2	40
335	Comparison of definitions for the metabolic syndrome in adolescents. The HELENA study. <i>European Journal of Pediatrics</i> , 2017 , 176, 241-252	4.1	39
334	Prevalence of Metabolically Healthy but Overweight/Obese Phenotype and Its Association With Sedentary Time, Physical Activity, and Fitness. <i>Journal of Adolescent Health</i> , 2017 , 61, 107-114	5.8	38
333	Differences in sedentary time and physical activity between female patients with fibromyalgia and healthy controls: the al-Bdalu project. <i>Arthritis and Rheumatology</i> , 2015 , 67, 3047-57	9.5	38
332	Are muscular and cardiovascular fitness partially programmed at birth? Role of body composition. <i>Journal of Pediatrics</i> , 2009 , 154, 61-66.e1	3.6	38
331	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> , 2014 , 35, 482-9	2.7	37
330	Bicycling to school is associated with improvements in physical fitness over a 6-year follow-up period in Swedish children. <i>Preventive Medicine</i> , 2012 , 55, 108-12	4.3	37
329	Handgrip strength test as a complementary tool in the assessment of fibromyalgia severity in women. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 83-8	2.8	37
328	Effects of high-whey-protein intake and resistance training on renal, bone and metabolic parameters in rats. <i>British Journal of Nutrition</i> , 2011 , 105, 836-45	3.6	37
327	Anti-aging therapy through fitness enhancement. <i>Clinical Interventions in Aging</i> , 2006 , 1, 213-20	4	37

326	Muscular strength and markers of insulin resistance in European adolescents: the HELENA Study. <i>European Journal of Applied Physiology</i> , 2012 , 112, 2455-65	3.4	36
325	Los adolescentes físicamente activos presentan una mayor probabilidad de tener una capacidad cardiovascular saludable independientemente del grado de adiposidad. The European Youth Heart Study. <i>Revista Espanola De Cardiologia</i> , 2008 , 61, 123-129	1.5	36
324	Cardiorespiratory fitness is associated with features of metabolic risk factors in children. Should cardiorespiratory fitness be assessed in a European health monitoring system? The European Youth Heart Study. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2006 , 14, 94-102	1.4	36
323	Interrater reliability and time measurement validity of speed-agility field tests in adolescents. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 2059-63	3.2	35
322	Association between the FTO rs9939609 polymorphism and leptin in European adolescents: a possible link with energy balance control. The HELENA study. <i>International Journal of Obesity</i> , 2011 , 35, 66-71	5.5	35
321	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> , 2012 , 26, 167-73	3.2	35
320	Influence of socioeconomic factors on fitness and fatness in Spanish adolescents: the AVENA study. <i>Pediatric Obesity</i> , 2010 , 5, 467-73		35
319	Physical fitness reference standards for preschool children: The PREFIT project. <i>Journal of Science and Medicine in Sport</i> , 2019 , 22, 430-437	4.4	35
318	Review of criterion-referenced standards for cardiorespiratory fitness: what percentage of 1 142 026 international children and youth are apparently healthy?. <i>British Journal of Sports Medicine</i> , 2019 , 53, 953-958	10.3	35
317	Physical Fitness, Physical Activity, and the Executive Function in Children with Overweight and Obesity. <i>Journal of Pediatrics</i> , 2019 , 208, 50-56.e1	3.6	34
316	Clustering of multiple lifestyle behaviors and health-related fitness in European adolescents. <i>Journal of Nutrition Education and Behavior</i> , 2013 , 45, 549-57	2	34
315	Positive health, cardiorespiratory fitness and fatness in children and adolescents. <i>European Journal of Public Health</i> , 2012 , 22, 52-6	2.1	34
314	Cardiorespiratory fitness and dietary intake in European adolescents: the Healthy Lifestyle in Europe by Nutrition in Adolescence study. <i>British Journal of Nutrition</i> , 2012 , 107, 1850-9	3.6	34
313	Associations of Fat Mass and Fat-Free Mass with Physical Fitness in 4-Year-Old Children: Results from the MINISTOP Trial. <i>Nutrients</i> , 2016 , 8,	6.7	34
312	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	4.4	33
311	Extracurricular physical activity participation modifies the association between high TV watching and low bone mass. <i>Bone</i> , 2009 , 45, 925-30	4.7	33
310	Influence of the MCT1-T1470A polymorphism (rs1049434) on blood lactate accumulation during different circuit weight trainings in men and women. <i>Journal of Science and Medicine in Sport</i> , 2012 , 15, 541-7	4.4	32
309	Early life origins of low-grade inflammation and atherosclerosis risk in children and adolescents. <i>Journal of Pediatrics</i> , 2009 , 155, 673-7	3.6	32

308	Cardiometabolic risk through an integrative classification combining physical activity and sedentary behavior in European adolescents: HELENA study. <i>Journal of Sport and Health Science</i> , 2019 , 8, 55-62	8.2	32
307	Vigorous physical activity rather than sedentary behaviour predicts overweight and obesity in pubertal boys: a 2-year follow-up study. <i>Scandinavian Journal of Public Health</i> , 2015 , 43, 276-82	3	31
306	Association between chocolate consumption and fatness in European adolescents. <i>Nutrition</i> , 2014 , 30, 236-9	4.8	30
305	Combined influence of healthy diet and active lifestyle on cardiovascular disease risk factors in adolescents. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, 553-62	4.6	30
304	Psychological well-being, cardiorespiratory fitness, and long-term survival. <i>American Journal of Preventive Medicine</i> , 2010 , 39, 440-8	6.1	30
303	Truncal and abdominal fat as determinants of high triglycerides and low HDL-cholesterol in adolescents. <i>Obesity</i> , 2009 , 17, 1086-91	8	30
302	Cardiorespiratory fitness, muscular strength, and obesity in adolescence and later chronic disability due to cardiovascular disease: a cohort study of 1 million men. <i>European Heart Journal</i> , 2020 , 41, 1503-1510	9.5	30
301	Health-related physical fitness is associated with total and central body fat in preschool children aged 3 to 5 years. <i>Pediatric Obesity</i> , 2016 , 11, 468-474	4.6	30
300	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	4.6	29
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- 2 Equivalency of four research-grade movement sensors to assess movement behaviors and its implications for population surveillance.. *Scientific Reports*, **2022**, 12, 5525 4.9
- 1 STRAIGHT-A STUDENTS DISLIKE PHYSICAL EDUCATION IN ADOLESCENCE: MYTH OR TRUTH? THE AVENA, AFINOS AND UP&DOWN STUDIES. *Nutricion Hospitalaria*, **2015**, 32, 318-23 1