Francisco B Ortega

List of Publications by Year in Descending Order

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	Reliability of Field-Based Fitness Tests in Adults: A Systematic Review.. *Sports Medicine*, **2022**, 1	10.6	5
450	Validity of Estimating the Maximal Oxygen Consumption by Consumer Wearables: A Systematic Review with Meta-analysis and Expert Statement of the INTERLIVE Network.. *Sports Medicine*, **2022**, 1	10.6	2
449	Does sleep-disordered breathing add to impairments in academic performance and brain structure usually observed in children with overweight/obesity?. *European Journal of Pediatrics*, **2022**, 1	4.1	0
448	The dynamical association between physical activity and affect in the daily life of individuals with ADHD.. *European Neuropsychopharmacology*, **2022**, 57, 69-74	1.2	
447	Body composition, physical fitness and cardiovascular risk factors in 9-year-old children.. *Scientific Reports*, **2022**, 12, 2665	4.9	1
446	Recommendations for Determining the Validity of Consumer Wearables and Smartphones for the Estimation of Energy Expenditure: Expert Statement and Checklist of the INTERLIVE Network.. *Sports Medicine*, **2022**, 1	10.6	3
445	Validity and Reliability of the International FItness Scale (IFIS) in preschool children.. *European Journal of Sport Science*, **2022**, 1-24	3.9	1
444	Neurotrophic Factors and Brain Health in Children with Overweight and Obesity: The Role of Cardiorespiratory Fitness.. *European Journal of Sport Science*, **2022**, 1-33	3.9	1
443	Equivalency of four research-grade movement sensors to assess movement behaviors and its implications for population surveillance.. *Scientific Reports*, **2022**, 12, 5525	4.9	
442	Development of a prediction protocol for the screening of metabolic associated fatty liver disease in children with overweight or obesity.. *Pediatric Obesity*, **2022**, e12917	4.6	0
441	Handgrip strength asymmetry is associated with slow gait speed and poorer standing balance in older Americans.. *Archives of Gerontology and Geriatrics*, **2022**, 102, 104716	4	1
440	Recommendations for determining the validity of consumer wearable and smartphone step count: expert statement and checklist of the INTERLIVE network. *British Journal of Sports Medicine*, **2021**, 55, 780-793	10.3	15
439	Early life factors and white matter microstructure in children with overweight and obesity: The ActiveBrains project. *Clinical Nutrition*, **2021**, 41, 40-48	5.9	0
438	Self-reported (IFIS) versus measured physical fitness, and their associations to cardiometabolic risk factors in early pregnancy. *Scientific Reports*, **2021**, 11, 22719	4.9	
437	Distinct whole-blood transcriptome profile of children with metabolic healthy overweight/obesity compared to metabolic unhealthy overweight/obesity. *Pediatric Research*, **2021**, 89, 1687-1694	3.2	6
436	GRANADA consensus on analytical approaches to assess associations with accelerometer-determined physical behaviours (physical activity, sedentary behaviour and sleep) in epidemiological studies. *British Journal of Sports Medicine*, **2021**,	10.3	15
435	Deciphering the constrained total energy expenditure model in humans by associating accelerometer-measured physical activity from wrist and hip. *Scientific Reports*, **2021**, 11, 12302	4.9	2

434	Associations of body composition and physical fitness with gestational diabetes and cardiovascular health in pregnancy: Results from the HealthyMoms trial. *Nutrition and Diabetes*, **2021**, 11, 16	4.7	2
433	Associations of sleep with gray matter volume and their implications for academic achievement, executive function and intelligence in children with overweight/obesity. *Pediatric Obesity*, **2021**, 16, e12707	4.6	3
432	Activity-rest circadian pattern and academic achievement, executive function, and intelligence in children with obesity. *Scandinavian Journal of Medicine and Science in Sports*, **2021**, 31, 653-664	4.6	2
431	Physical fitness, hippocampal functional connectivity and academic performance in children with overweight/obesity: The ActiveBrains project. *Brain, Behavior, and Immunity*, **2021**, 91, 284-295	16.6	8
430	Physical fitness and brain source localization during a working memory task in children with overweight/obesity: The ActiveBrains project. *Developmental Science*, **2021**, 24, e13048	4.5	1
429	Feasibility and reliability of the Spanish version of the Youth Activity Profile questionnaire (YAP-Spain) in children and adolescents. *Journal of Sports Sciences*, **2021**, 39, 801-807	3.6	7
428	Low cardiorespiratory fitness and obesity for ADHD in childhood and adolescence: A 6-year cohort study. *Scandinavian Journal of Medicine and Science in Sports*, **2021**, 31, 903-913	4.6	3
427	Longitudinal associations of physical fitness and body mass index with academic performance. *Scandinavian Journal of Medicine and Science in Sports*, **2021**, 31, 184-192	4.6	4
426	Mediation role of cardiorespiratory fitness on the association between fatness and cardiometabolic risk in European adolescents: The HELENA study. *Journal of Sport and Health Science*, **2021**, 10, 360-367	8.2	8
425	The effects of a physical activity intervention based on a fatness and fitness smartphone app for University students. *Health Informatics Journal*, **2021**, 27, 1460458220987275	3	0
424	Smartphone App (2kmFIT-App) for Measuring Cardiorespiratory Fitness: Validity and Reliability Study. *JMIR MHealth and UHealth*, **2021**, 9, e14864	5.5	2
423	A sociodemographic, anthropometric and lifestyle-based prediction score for screening children with overweight and obesity for hepatic steatosis: The HEPAKID index. *Pediatric Obesity*, **2021**, 16, e12770	4.6	
422	Recommendations for determining the validity of consumer wearable heart rate devices: expert statement and checklist of the INTERLIVE Network. *British Journal of Sports Medicine*, **2021**, 55, 767-779	10.3	18
421	The Impact of Childhood Obesity on Joint Alignment: A Systematic Review and Meta-Analysis. *Physical Therapy*, **2021**, 101,	3.3	1
420	Physical and Sedentary Activities in Association with Reproductive Outcomes among Couples Seeking Infertility Treatment: A Prospective Cohort Study. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
419	Healthier Minds in Fitter Bodies: A Systematic Review and Meta-Analysis of the Association between Physical Fitness and Mental Health in Youth. *Sports Medicine*, **2021**, 51, 2571-2605	10.6	5
418	Revisiting the association of sedentary behavior and physical activity with all-cause mortality using a compositional approach: the Women's Health Study. *International Journal of Behavioral Nutrition and Physical Activity*, **2021**, 18, 104	8.4	1
417	Cardiorespiratory fitness in children with overweight/obesity: Insights into the molecular mechanisms. *Scandinavian Journal of Medicine and Science in Sports*, **2021**, 31, 2083-2091	4.6	1

416	Impact of COVID-19 Confinement on Physical Activity and Sedentary Behaviour in Spanish University Students: Role of Gender. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	43
415	Body Composition Changes after a Weight Loss Intervention: A 3-Year Follow-Up Study. *Nutrients*, **2021**, 13,	6.7	4
414	Paediatric obesity and brain functioning: The role of physical activity-A novel and important expert opinion of the European Childhood Obesity Group. *Pediatric Obesity*, **2020**, 15, e12649	4.6	7
413	Maternal physical activity and sedentary behaviour before and during in vitro fertilization treatment: a longitudinal study exploring the associations with controlled ovarian stimulation and pregnancy outcomes. *Journal of Assisted Reproduction and Genetics*, **2020**, 37, 1869-1881	3.4	6
412	Variations in accelerometry measured physical activity and sedentary time across Europe - harmonized analyses of 47,497 children and adolescents. *International Journal of Behavioral Nutrition and Physical Activity*, **2020**, 17, 38	8.4	71
411	Validity of Slaughter Equations and Bioelectrical Impedance Against Dual-Energy X-Ray Absorptiometry in Children. *Obesity*, **2020**, 28, 803-812	8	3
410	Fitness, physical activity and academic achievement in overweight/obese children. *Journal of Sports Sciences*, **2020**, 38, 731-740	3.6	16
409	Lean mass index is positively associated with white matter volumes in several brain regions in children with overweight/obesity. *Pediatric Obesity*, **2020**, 15, e12604	4.6	4
408	Association of Changes in Physical Activity and Incidence and Remission of Overall and Abdominal Obesity in 113,950 Adults. *Obesity*, **2020**, 28, 660-668	8	3
407	Fitness, physical activity, sedentary time, inhibitory control, and neuroelectric activity in children with overweight or obesity: The ActiveBrains project. *Psychophysiology*, **2020**, 57, e13579	4.1	14
406	Differences in Brain Volume between Metabolically Healthy and Unhealthy Overweight and Obese Children: The Role of Fitness. *Journal of Clinical Medicine*, **2020**, 9,	5.1	5
405	Associations of Objectively-Assessed Physical Activity and Sedentary Time with Hippocampal Gray Matter Volume in Children with Overweight/Obesity. *Journal of Clinical Medicine*, **2020**, 9,	5.1	7
404	Association of Sedentary Behavior with Brain Structure and Intelligence in Children with Overweight or Obesity: The ActiveBrains Project. *Journal of Clinical Medicine*, **2020**, 9,	5.1	7
403	Birth Weight and Cardiorespiratory Fitness Among Young Men Born at Term: The Role of Genetic and Environmental Factors. *Journal of the American Heart Association*, **2020**, 9, e014290	6	3
402	Step-Based Metrics and Overall Physical Activity in Children With Overweight or Obesity: Cross-Sectional Study. *JMIR MHealth and UHealth*, **2020**, 8, e14841	5.5	0
401	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. *Journal of Clinical Medicine*, **2020**, 9,	5.1	3
400	Cardiorespiratory fitness, muscular strength, and obesity in adolescence and later chronic disability due to cardiovascular disease: a cohort study of 1 million men. *European Heart Journal*, **2020**, 41, 1503-1510	9.5	30
399	International Fitness Scale-IFIS: Validity and association with health-related quality of life in pregnant women. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 505-514	4.6	6

398	Hip and wrist accelerometers showed consistent associations with fitness and fatness in children aged 8-12´years. *Acta Paediatrica, International Journal of Paediatrics*, **2020**, 109, 995-1003	3.1	3
397	Blood Flow-Restricted Training in Older Adults: A Narrative Review. *Journal of Science in Sport and Exercise*, **2020**, 2, 25-37	1	
396	Differences in areal bone mineral density between metabolically healthy and unhealthy overweight/obese children: the role of physical activity and cardiorespiratory fitness. *Pediatric Research*, **2020**, 87, 1219-1225	3.2	2
395	Effects of Exercise on Plantar Pressure during Walking in Children with Overweight/Obesity. *Medicine and Science in Sports and Exercise*, **2020**, 52, 654-662	1.2	6
394	Prevalence of responders for hepatic fat, adiposity and liver enzyme levels in response to a lifestyle intervention in children with overweight/obesity: EFIGRO randomized controlled trial. *Pediatric Diabetes*, **2020**, 21, 215-223	3.6	4
393	Physical Activity, Sedentary Behavior, and White Matter Microstructure in Children with Overweight or Obesity. *Medicine and Science in Sports and Exercise*, **2020**, 52, 1218-1226	1.2	5
392	The effect of an online exercise programme on bone health in paediatric cancer survivors (iBoneFIT): study protocol of a multi-centre randomized controlled trial. *BMC Public Health*, **2020**, 20, 1520	4.1	3
391	Inter- and intra-researcher reproducibility of heart rate variability parameters in three human cohorts. *Scientific Reports*, **2020**, 10, 11399	4.9	10
390	Do fitter kids have bigger brains?. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 2498-2502	4.8	7
389	World Health Organization 2020 guidelines on physical activity and sedentary behaviour. *British Journal of Sports Medicine*, **2020**, 54, 1451-1462	10.3	1192
388	2020 WHO guidelines on physical activity and sedentary behaviour for children and adolescents aged 5-17 years: summary of the evidence. *International Journal of Behavioral Nutrition and Physical Activity*, **2020**, 17, 141	8.4	124
387	Advancing the global physical activity agenda: recommendations for future research by the 2020 WHO physical activity and sedentary behavior guidelines development group. *International Journal of Behavioral Nutrition and Physical Activity*, **2020**, 17, 143	8.4	56
386	Effects of Exercise on Body Posture, Functional Movement, and Physical Fitness in Children With Overweight/Obesity. *Journal of Strength and Conditioning Research*, **2020**, 34, 2146-2155	3.2	7
385	Interpretation of associations between the accelerometry physical activity spectrum and cardiometabolic health and locomotor skills in two cohorts of children using raw, normalized, log-transformed, or compositional data. *Journal of Sports Sciences*, **2020**, 38, 2708-2719	3.6	4
384	Physical fitness and white matter microstructure in children with overweight or obesity: the ActiveBrains project. *Scientific Reports*, **2020**, 10, 12469	4.9	5
383	Prevalence of severe/morbid obesity and other weight status and anthropometric reference standards in Spanish preschool children: The PREFIT project. *Pediatric Research*, **2020**, 87, 501-510	3.2	4
382	Associations of physical activity and screen time with white matter microstructure in children from the general population. *NeuroImage*, **2020**, 205, 116258	7.9	11
381	Effects of Exercise in Addition to a Family-Based Lifestyle Intervention Program on Hepatic Fat in Children With Overweight. *Diabetes Care*, **2020**, 43, 306-313	14.6	17

380	Inflammatory markers and bone mass in children with overweight/obesity: the role of muscular fitness. *Pediatric Research*, **2020**, 87, 42-47	3.2	3
379	Role of physical fitness and functional movement in the body posture of children with overweight/obesity. *Gait and Posture*, **2020**, 80, 331-338	2.6	8
378	Bidirectional associations between fitness and fatness in youth: A longitudinal study. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 1483-1496	4.6	3
377	Cardiovascular Risk Factors and Heart Rate Variability: Impact of the Level of the Threshold-Based Artefact Correction Used to Process the Heart Rate Variability Signal. *Journal of Medical Systems*, **2020**, 45, 2	5.1	4
376	Early life factors, gray matter brain volume and academic performance in overweight/obese children: The ActiveBrains project. *NeuroImage*, **2019**, 202, 116130	7.9	2
375	The role of heart rate in the assessment of cardiac autonomic modulation with heart rate variability. *Clinical Research in Cardiology*, **2019**, 108, 1408-1409	6.1	4
374	Changes in Body Composition and Physical Fitness in Adolescents with Down Syndrome: The UP&DOWN Longitudinal Study. *Childhood Obesity*, **2019**, 15, 397-405	2.5	1
373	Fitness, physical activity, working memory, and neuroelectric activity in children with overweight/obesity. *Scandinavian Journal of Medicine and Science in Sports*, **2019**, 29, 1352-1363	4.6	29
372	Heart Rate Is a Better Predictor of Cardiorespiratory Fitness Than Heart Rate Variability in Overweight/Obese Children: The ActiveBrains Project. *Frontiers in Physiology*, **2019**, 10, 510	4.6	3
371	Muscle strength field-based tests to identify European adolescents at risk of metabolic syndrome: The HELENA study. *Journal of Science and Medicine in Sport*, **2019**, 22, 929-934	4.4	17
370	Role of Physical Activity and Sedentary Behavior in the Mental Health of Preschoolers, Children and Adolescents: A Systematic Review and Meta-Analysis. *Sports Medicine*, **2019**, 49, 1383-1410	10.6	247
369	Cognitive Frailty and Mortality in a National Cohort of Older Adults: the Role of Physical Activity. *Mayo Clinic Proceedings*, **2019**, 94, 1180-1189	6.4	21
368	Physical Fitness, Physical Activity, and the Executive Function in Children with Overweight and Obesity. *Journal of Pediatrics*, **2019**, 208, 50-56.e1	3.6	34
367	Physical Fitness, White Matter Volume and Academic Performance in Children: Findings From the ActiveBrains and FITKids2 Projects. *Frontiers in Psychology*, **2019**, 10, 208	3.4	29
366	A Systematic Review of Fitness Apps and Their Potential Clinical and Sports Utility for Objective and Remote Assessment of Cardiorespiratory Fitness. *Sports Medicine*, **2019**, 49, 587-600	10.6	24
365	A systematic review on biomechanical characteristics of walking in children and adolescents with overweight/obesity: Possible implications for the development of musculoskeletal disorders. *Obesity Reviews*, **2019**, 20, 1033-1044	10.6	28
364	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. *British Journal of Nutrition*, **2019**, 121, 1057-1068	3.6	5
363	Muscular weakness in adolescence is associated with disability 30 years later: a population-based cohort study of 1.2 million men. *British Journal of Sports Medicine*, **2019**, 53, 1221-1230	10.3	21

362	Diet as a moderator in the association of sedentary behaviors with inflammatory biomarkers among adolescents in the HELENA study. *European Journal of Nutrition*, **2019**, 58, 2051-2065	5.2	12
361	Adherence to the Mediterranean diet in metabolically healthy and unhealthy overweight and obese European adolescents: the HELENA study. *European Journal of Nutrition*, **2019**, 58, 2615-2623	5.2	9
360	High Levels of Physical Fitness Are Associated With Better Health-Related Quality of Life in Women With Fibromyalgia: The al-Ándalus Project. *Physical Therapy*, **2019**, 99, 1481-1494	3.3	5
359	A Single Question of Parent-Reported Physical Activity Levels Estimates Objectively Measured Physical Fitness and Body Composition in Preschool Children: The PREFIT Project. *Frontiers in Psychology*, **2019**, 10, 1585	3.4	8
358	The Role of Heart Rate on the Associations Between Body Composition and Heart Rate Variability in Children With Overweight/Obesity: The ActiveBrains Project. *Frontiers in Physiology*, **2019**, 10, 895	4.6	7
357	Inflammatory biomarkers and brain health indicators in children with overweight and obesity: The ActiveBrains project. *Brain, Behavior, and Immunity*, **2019**, 81, 588-597	16.6	9
356	Effects of Recreational Soccer on Health Outcomes: A Narrative Review. *Journal of Science in Sport and Exercise*, **2019**, 1, 142-150	1	0
355	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. *BMC Pediatrics*, **2019**, 19, 260	2.6	6
354	Birth weight and grip strength in young Swedish males: a longitudinal matched sibling analysis and across all body mass index ranges. *Scientific Reports*, **2019**, 9, 9719	4.9	10
353	The Impact of Physical Activity on Brain Structure and Function in Youth: A Systematic Review. *Pediatrics*, **2019**, 144,	7.4	47
352	Physical Activity and Risk of Metabolic Phenotypes of Obesity: A Prospective Taiwanese Cohort Study in More Than 200,000 Adults. *Mayo Clinic Proceedings*, **2019**, 94, 2209-2219	6.4	10
351	The Effect Of Exercise In Addition To A Lifestyle-intervention On Hepatic Fat In Overweight Children. *Medicine and Science in Sports and Exercise*, **2019**, 51, 788-788	1.2	
350	Fitness and Body Mass Index During Adolescence and Disability Later in Life: A Cohort Study. *Annals of Internal Medicine*, **2019**, 170, 230-239	8	27
349	Mode of Commuting TO and FROM School: A Similar or Different Pattern?. *Sustainability*, **2019**, 11, 1026	3.6	8
348	Accelerometer Data Processing and Energy Expenditure Estimation in Preschoolers. *Medicine and Science in Sports and Exercise*, **2019**, 51, 590-598	1.2	8
347	Muscular Fitness Mediates the Association between 25-Hydroxyvitamin D and Areal Bone Mineral Density in Children with Overweight/Obesity. *Nutrients*, **2019**, 11,	6.7	3
346	Physical activity without weight loss reduces the development of cardiovascular disease risk factors - a prospective cohort study of more than one hundred thousand adults. *Progress in Cardiovascular Diseases*, **2019**, 62, 522-530	8.5	18
345	Sedentarism, Physical Activity, Steps, and Neurotrophic Factors in Obese Children. *Medicine and Science in Sports and Exercise*, **2019**, 51, 2325-2333	1.2	13

344	Comparability of accelerometer signal aggregation metrics across placements and dominant wrist cut points for the assessment of physical activity in adults. *Scientific Reports*, **2019**, 9, 18235	4.9	25
343	Physical fitness in relation to later body composition in pre-school children. *Journal of Science and Medicine in Sport*, **2019**, 22, 574-579	4.4	11
342	Fitness, cortical thickness and surface area in overweight/obese children: The mediating role of body composition and relationship with intelligence. *NeuroImage*, **2019**, 186, 771-781	7.9	22
341	Muscle Fitness Cut Points for Early Assessment of Cardiovascular Risk in Children and Adolescents. *Journal of Pediatrics*, **2019**, 206, 134-141.e3	3.6	23
340	Higher socioeconomic status is related to healthier levels of fatness and fitness already at 3 to 5 years of age: The PREFIT project. *Journal of Sports Sciences*, **2019**, 37, 1327-1337	3.6	8
339	Physical fitness reference standards for preschool children: The PREFIT project. *Journal of Science and Medicine in Sport*, **2019**, 22, 430-437	4.4	35
338	Fatness and fitness in relation to functional movement quality in overweight and obese children. *Journal of Sports Sciences*, **2019**, 37, 878-885	3.6	13
337	How do energy balance-related behaviors cluster in adolescents?. *International Journal of Public Health*, **2019**, 64, 195-208	4	3
336	Cardiometabolic risk through an integrative classification combining physical activity and sedentary behavior in European adolescents: HELENA study. *Journal of Sport and Health Science*, **2019**, 8, 55-62	8.2	32
335	Review of criterion-referenced standards for cardiorespiratory fitness: what percentage of 1 142 026 international children and youth are apparently healthy?. *British Journal of Sports Medicine*, **2019**, 53, 953-958	10.3	35
334	Physical fitness and shapes of subcortical brain structures in children. *British Journal of Nutrition*, **2019**, 122, S49-S58	3.6	19
333	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. *Pediatric Diabetes*, **2019**, 20, 32-40	3.6	11
332	Comparability of published cut-points for the assessment of physical activity: Implications for data harmonization. *Scandinavian Journal of Medicine and Science in Sports*, **2019**, 29, 566-574	4.6	45
331	Impact of Physical Activity´and Fitness in´Metabolically Healthy´Obesity. *Journal of the American College of Cardiology*, **2018**, 71, 812-813	15.1	14
330	Association of Resistance Exercise With the Incidence of Hypercholesterolemia in Men. *Mayo Clinic Proceedings*, **2018**, 93, 419-428	6.4	17
329	Evidence-Based Exercise Recommendations to Reduce Hepatic Fat Content in Youth- a Systematic Review and Meta-Analysis. *Progress in Cardiovascular Diseases*, **2018**, 61, 222-231	8.5	23
328	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. *Archives of Physical Medicine and Rehabilitation*, **2018**, 99, 2100-2113.e5	2.8	187
327	Making a Case for Cardiorespiratory Fitness Surveillance Among Children and Youth. *Exercise and Sport Sciences Reviews*, **2018**, 46, 66-75	6.7	51

326	Neural perspectives on cognitive control development during childhood and adolescence should take into account how obesity affects brain development. *Acta Paediatrica, International Journal of Paediatrics*, **2018**, 107, 720-721	3.1	2
325	Bright light therapy versus physical exercise to prevent co-morbid depression and obesity in adolescents and young adults with attention-deficit / hyperactivity disorder: study protocol for a randomized controlled trial. *Trials*, **2018**, 19, 140	2.8	17
324	Is BMI a relevant marker of fat mass in 4 year old children? Results from the MINISTOP trial. *European Journal of Clinical Nutrition*, **2018**, 72, 1561-1566	5.2	7
323	Early life programming of attention capacity in adolescents: The HELENA study. *Maternal and Child Nutrition*, **2018**, 14,	3.4	3
322	Associations of Parental Self-Efficacy With Diet, Physical Activity, Body Composition, and Cardiorespiratory Fitness in Swedish Preschoolers: Results From the MINISTOP Trial. *Health Education and Behavior*, **2018**, 45, 238-246	4.2	10
321	Physical fitness and psychological health in overweight/obese children: A cross-sectional study from the ActiveBrains project. *Journal of Science and Medicine in Sport*, **2018**, 21, 179-184	4.4	33
320	The effect of 12-month participation in osteogenic and non-osteogenic sports on bone development in adolescent male athletes. The PRO-BONE study. *Journal of Science and Medicine in Sport*, **2018**, 21, 404-409	4.4	24
319	Inflammation in metabolically healthy and metabolically abnormal adolescents: The HELENA study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2018**, 28, 77-83	4.5	15
318	Correlates of ideal cardiovascular health in European adolescents: The HELENA study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2018**, 28, 187-194	4.5	11
317	Commentary: At least eighty percent of brain grey matter is modifiable by physical activity: a review study. *Frontiers in Human Neuroscience*, **2018**, 12, 195	3.3	2
316	An Overview and Update on Obesity and the Obesity Paradox in Cardiovascular Diseases. *Progress in Cardiovascular Diseases*, **2018**, 61, 142-150	8.5	247
315	Role of Physical Activity and Fitness in the Characterization and Prognosis of the Metabolically Healthy Obesity Phenotype: A Systematic Review and Meta-analysis. *Progress in Cardiovascular Diseases*, **2018**, 61, 190-205	8.5	46
314	Longitudinal associations between weather, season, and mode of commuting to school among Spanish youths. *Scandinavian Journal of Medicine and Science in Sports*, **2018**, 28, 2677-2685	4.6	9
313	Hepatic fat content and bone mineral density in children with overweight/obesity. *Pediatric Research*, **2018**, 84, 684-688	3.2	9
312	Influence of Physical Activity on Bone Mineral Content and Density in Overweight and Obese Children with Low Adherence to the Mediterranean Dietary Pattern. *Nutrients*, **2018**, 10,	6.7	9
311	Body composition - more to fat than first meets the eye. *Nature Reviews Endocrinology*, **2018**, 14, 569-570	5.2	
310	Association of Breakfast Quality and Energy Density with Cardiometabolic Risk Factors in Overweight/Obese Children: Role of Physical Activity. *Nutrients*, **2018**, 10,	6.7	5
309	Field-based measurement of cardiorespiratory fitness to evaluate physical activity interventions. *Bulletin of the World Health Organization*, **2018**, 96, 794-796	8.2	23

308	European normative values for physical fitness in children and adolescents aged 9-17 years: results from 2 779 165 Eurofit performances representing 30 countries. *British Journal of Sports Medicine*, **2018**, 52, 1445-14563	10.3	127
307	Do dietary patterns determine levels of vitamin B, folate, and vitamin B intake and corresponding biomarkers in European adolescents? The Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) study. *Nutrition*, **2018**, 50, 8-17	4.8	3
306	Associations between the adherence to the Mediterranean diet and cardiorespiratory fitness with total and central obesity in preschool children: the PREFIT project. *European Journal of Nutrition*, **2018**, 57, 2975-2983	5.2	19
305	Fitness and Fatness as Health Markers through the Lifespan: An Overview of Current Knowledge. *Progress in Preventive Medicine (New York, N Y)*, **2018**, 3, e0013	0.7	29
304	Reprint of: Healthy Weight and Obesity Prevention: JACC Health Promotion Series. *Journal of the American College of Cardiology*, **2018**, 72, 3027-3052	15.1	20
303	Healthy Weight and Obesity Prevention: JACC Health Promotion Series. *Journal of the American College of Cardiology*, **2018**, 72, 1506-1531	15.1	172
302	Grip strength cutpoints for youth based on a clinically relevant bone health outcome. *Archives of Osteoporosis*, **2018**, 13, 92	2.9	18
301	Obesity is rarely healthy. *Lancet Diabetes and Endocrinology,the*, **2018**, 6, 678-679	18.1	18
300	Sports participation and low back pain in schoolchildren. *Journal of Back and Musculoskeletal Rehabilitation*, **2018**, 31, 811-819	1.4	1
299	Comparison of definitions for the metabolic syndrome in adolescents. The HELENA study. *European Journal of Pediatrics*, **2017**, 176, 241-252	4.1	39
298	Ideal cardiovascular health and liver enzyme levels in European adolescents; the HELENA study. *Journal of Physiology and Biochemistry*, **2017**, 73, 225-234	5	6
297	The Threshold Distance Associated With Walking From Home to School. *Health Education and Behavior*, **2017**, 44, 857-866	4.2	48
296	International normative 20 m shuttle run values from 1 142 026 children and youth representing 50 countries. *British Journal of Sports Medicine*, **2017**, 51, 1545-1554	10.3	118
295	Runkeeper: a complete app for monitoring outdoor sports. *British Journal of Sports Medicine*, **2017**, 51, 1560-1561	10.3	4
294	Cardiorespiratory fitness, waist circumference and liver enzyme levels in European adolescents: The HELENA cross-sectional study. *Journal of Science and Medicine in Sport*, **2017**, 20, 932-936	4.4	5
293	Letter to the Editor: Metabolically Healthy (and Fit?) Obesity. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 1084-1085	5.6	3
292	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. *European Journal of Clinical Nutrition*, **2017**, 71, 1200-1205	5.2	10
291	Mobile-based intervention intended to stop obesity in preschool-aged children: the MINISTOP randomized controlled trial. *American Journal of Clinical Nutrition*, **2017**, 105, 1327-1335	7	70

290	Assessing Physical FITness In PREschool Children. *Medicine and Science in Sports and Exercise*, **2017**, 49, 517-518	1.2	1
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288	Prevalence of ideal cardiovascular health in European adolescents: The HELENA study. *International Journal of Cardiology*, **2017**, 240, 428-432	3.2	17
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