

Sren Brage

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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.

396
papers

21,290
citations

76
h-index

133
g-index

447
ext. papers

24,868
ext. citations

5.8
avg, IF

6.7
L-index

#	Paper	IF	Citations
396	Physical activity and clustered cardiovascular risk in children: a cross-sectional study (The European Youth Heart Study). <i>Lancet, The</i> , 2006 , 368, 299-304	4.0	1024
395	Reliability and validity of the combined heart rate and movement sensor Actiheart. <i>European Journal of Clinical Nutrition</i> , 2005 , 59, 561-70	5.2	485
394	Sedentary behaviour and risk of all-cause, cardiovascular and cancer mortality, and incident type 2 diabetes: a systematic review and dose response meta-analysis. <i>European Journal of Epidemiology</i> , 2018 , 33, 811-829	12.1	419
393	Large Scale Population Assessment of Physical Activity Using Wrist Worn Accelerometers: The UK Biobank Study. <i>PLoS ONE</i> , 2017 , 12, e0169649	3.7	402
392	Features of the metabolic syndrome are associated with objectively measured physical activity and fitness in Danish children: the European Youth Heart Study (EYHS). <i>Diabetes Care</i> , 2004 , 27, 2141-8	14.6	399
391	Independent associations of physical activity and cardiorespiratory fitness with metabolic risk factors in children: the European youth heart study. <i>Diabetologia</i> , 2007 , 50, 1832-1840	10.3	394
390	TV viewing and physical activity are independently associated with metabolic risk in children: the European Youth Heart Study. <i>PLoS Medicine</i> , 2006 , 3, e488	11.6	391
389	Assessment of physical activity in youth. <i>Journal of Applied Physiology</i> , 2008 , 105, 977-87	3.7	382
388	A systematic review of reliability and objective criterion-related validity of physical activity questionnaires. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2012 , 9, 103	8.4	381
387	Physical activity attenuates the influence of FTO variants on obesity risk: a meta-analysis of 218,166 adults and 19,268 children. <i>PLoS Medicine</i> , 2011 , 8, e1001116	11.6	379
386	Separating movement and gravity components in an acceleration signal and implications for the assessment of human daily physical activity. <i>PLoS ONE</i> , 2013 , 8, e61691	3.7	369
385	Modulation of blood pressure by central melanocortineric pathways. <i>New England Journal of Medicine</i> , 2009 , 360, 44-52	59.2	358
384	Methods of Measurement in epidemiology: sedentary Behaviour. <i>International Journal of Epidemiology</i> , 2012 , 41, 1460-71	7.8	356
383	Branched equation modeling of simultaneous accelerometry and heart rate monitoring improves estimate of directly measured physical activity energy expenditure. <i>Journal of Applied Physiology</i> , 2004 , 96, 343-51	3.7	317
382	Criterion-related validity of the last 7-day, short form of the International Physical Activity Questionnaire in Swedish adults. <i>Public Health Nutrition</i> , 2006 , 9, 258-65	3.3	300
381	Associations between objectively assessed physical activity and indicators of body fatness in 9- to 10-y-old European children: a population-based study from 4 distinct regions in Europe (the European Youth Heart Study). <i>American Journal of Clinical Nutrition</i> , 2004 , 80, 584-90	7	299
380	Upward weight percentile crossing in infancy and early childhood independently predicts fat mass in young adults: the Stockholm Weight Development Study (SWEDES). <i>American Journal of Clinical Nutrition</i> , 2006 , 83, 324-30	7	260

379	Autocalibration of accelerometer data for free-living physical activity assessment using local gravity and temperature: an evaluation on four continents. <i>Journal of Applied Physiology</i> , 2014 , 117, 738-44	3.7	258
378	Genetic variation in LIN28B is associated with the timing of puberty. <i>Nature Genetics</i> , 2009 , 41, 729-33	36.3	258
377	Association of weight gain in infancy and early childhood with metabolic risk in young adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 98-103	5.6	243
376	Reexamination of validity and reliability of the CSA monitor in walking and running. <i>Medicine and Science in Sports and Exercise</i> , 2003 , 35, 1447-54	1.2	242
375	Hierarchy of individual calibration levels for heart rate and accelerometry to measure physical activity. <i>Journal of Applied Physiology</i> , 2007 , 103, 682-92	3.7	226
374	Television viewing time independently predicts all-cause and cardiovascular mortality: the EPIC Norfolk study. <i>International Journal of Epidemiology</i> , 2011 , 40, 150-9	7.8	222
373	Physical activity and all-cause mortality across levels of overall and abdominal adiposity in European men and women: the European Prospective Investigation into Cancer and Nutrition Study (EPIC). <i>American Journal of Clinical Nutrition</i> , 2015 , 101, 613-21	7	219
372	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013 , 45, 621-31	36.3	219
371	Accelerometers and pedometers: methodology and clinical application. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2007 , 10, 597-603	3.8	213
370	Low cardiorespiratory fitness is a strong predictor for clustering of cardiovascular disease risk factors in children independent of country, age and sex. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2007 , 14, 526-31		198
369	Time spent being sedentary and weight gain in healthy adults: reverse or bidirectional causality?. <i>American Journal of Clinical Nutrition</i> , 2008 , 88, 612-7	7	181
368	Estimating physical activity energy expenditure, sedentary time, and physical activity intensity by self-report in adults. <i>American Journal of Clinical Nutrition</i> , 2010 , 91, 106-14	7	177
367	Objectively measured sedentary time may predict insulin resistance independent of moderate- and vigorous-intensity physical activity. <i>Diabetes</i> , 2009 , 58, 1776-9	0.9	172
366	Physical activity, cardiorespiratory fitness, and the metabolic syndrome in youth. <i>Journal of Applied Physiology</i> , 2008 , 105, 342-51	3.7	172
365	Utilization and Harmonization of Adult Accelerometry Data: Review and Expert Consensus. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2129-39	1.2	169
364	Physical activity energy expenditure predicts progression toward the metabolic syndrome independently of aerobic fitness in middle-aged healthy Caucasians: the Medical Research Council Ely Study. <i>Diabetes Care</i> , 2005 , 28, 1195-200	14.6	167
363	The European Youth Heart Study Cardiovascular Disease Risk Factors in Children: Rationale, Aims, Study Design, and Validation of Methods. <i>Journal of Physical Activity and Health</i> , 2005 , 2, 115-129	2.5	163
362	Physical activity and incident type 2 diabetes mellitus: a systematic review and dose-response meta-analysis of prospective cohort studies. <i>Diabetologia</i> , 2016 , 59, 2527-2545	10.3	161

361	Does the association of habitual physical activity with the metabolic syndrome differ by level of cardiorespiratory fitness?. <i>Diabetes Care</i> , 2004 , 27, 1187-93	14.6	159
360	Validity of a short questionnaire to assess physical activity in 10 European countries. <i>European Journal of Epidemiology</i> , 2012 , 27, 15-25	12.1	154
359	Gene by physical activity interactions in obesity: combined analysis of 111,421 individuals of European ancestry. <i>PLoS Genetics</i> , 2013 , 9, e1003607	6	145
358	Estimation of daily energy expenditure in pregnant and non-pregnant women using a wrist-worn tri-axial accelerometer. <i>PLoS ONE</i> , 2011 , 6, e22922	3.7	144
357	Gaussian process robust regression for noisy heart rate data. <i>IEEE Transactions on Biomedical Engineering</i> , 2008 , 55, 2143-51	5	134
356	Long-term effects of a Palaeolithic-type diet in obese postmenopausal women: a 2-year randomized trial. <i>European Journal of Clinical Nutrition</i> , 2014 , 68, 350-7	5.2	133
355	Objectively measured moderate- and vigorous-intensity physical activity but not sedentary time predicts insulin resistance in high-risk individuals. <i>Diabetes Care</i> , 2009 , 32, 1081-6	14.6	130
354	Physical activity levels in three Brazilian birth cohorts as assessed with raw triaxial wrist accelerometry. <i>International Journal of Epidemiology</i> , 2014 , 43, 1959-68	7.8	127
353	Leptin predicts a worsening of the features of the metabolic syndrome independently of obesity. <i>Obesity</i> , 2005 , 13, 1476-84		126
352	Urbanization, physical activity, and metabolic health in sub-Saharan Africa. <i>Diabetes Care</i> , 2011 , 34, 491-6	4.6	121
351	Genetic susceptibility to obesity and related traits in childhood and adolescence: influence of loci identified by genome-wide association studies. <i>Diabetes</i> , 2010 , 59, 2980-8	0.9	113
350	Are Self-report Measures Able to Define Individuals as Physically Active or Inactive?. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 235-44	1.2	112
349	Prevalence and correlates of the metabolic syndrome in a population-based sample of European youth. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 90-6	7	110
348	Rare variants in single-minded 1 (SIM1) are associated with severe obesity. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3042-50	15.9	107
347	Heritability of objectively assessed daily physical activity and sedentary behavior. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 1317-25	7	104
346	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , 2017 , 13, e1006528	6	103
345	Comparison of PAEE from combined and separate heart rate and movement models in children. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 1761-7	1.2	101
344	Predictive validity and classification accuracy of ActiGraph energy expenditure equations and cut-points in young children. <i>PLoS ONE</i> , 2013 , 8, e79124	3.7	100

343	Physical activity intensity, sedentary time, and body composition in preschoolers. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 1020-8	7	95
342	Accuracy and validity of a combined heart rate and motion sensor for the measurement of free-living physical activity energy expenditure in adults in Cameroon. <i>International Journal of Epidemiology</i> , 2011 , 40, 112-20	7.8	95
341	Physical activity and gain in abdominal adiposity and body weight: prospective cohort study in 288,498 men and women. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 826-35	7	95
340	Increase in physical activity energy expenditure is associated with reduced metabolic risk independent of change in fatness and fitness. <i>Diabetes Care</i> , 2007 , 30, 2101-6	14.6	95
339	Comparison of two Actigraph models for assessing free-living physical activity in Indian adolescents. <i>Journal of Sports Sciences</i> , 2007 , 25, 1607-11	3.6	92
338	PPARGC1A genotype (Gly482Ser) predicts exceptional endurance capacity in European men. <i>Journal of Applied Physiology</i> , 2005 , 99, 344-8	3.7	92
337	Body movement and physical activity energy expenditure in children and adolescents: how to adjust for differences in body size and age. <i>American Journal of Clinical Nutrition</i> , 2004 , 79, 851-6	7	91
336	Benefits of a Paleolithic diet with and without supervised exercise on fat mass, insulin sensitivity, and glycemic control: a randomized controlled trial in individuals with type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2017 , 33, e2828	7.5	90
335	Effect of combined movement and heart rate monitor placement on physical activity estimates during treadmill locomotion and free-living. <i>European Journal of Applied Physiology</i> , 2006 , 96, 517-24	3.4	89
334	Physical activity trajectories and mortality: population based cohort study. <i>BMJ, The</i> , 2019 , 365, l2323	5.9	86
333	Reliability and validity of a domain-specific last 7-d sedentary time questionnaire. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 1248-60	1.2	86
332	Estimation of Free-Living Energy Expenditure by Heart Rate and Movement Sensing: A Doubly-Labelled Water Study. <i>PLoS ONE</i> , 2015 , 10, e0137206	3.7	86
331	Ultrasound measurements of visceral and subcutaneous abdominal thickness to predict abdominal adiposity among older men and women. <i>Obesity</i> , 2010 , 18, 625-31	8	85
330	Association of genetic Loci with glucose levels in childhood and adolescence: a meta-analysis of over 6,000 children. <i>Diabetes</i> , 2011 , 60, 1805-12	0.9	83
329	Sedentary Time and Physical Activity Surveillance Through Accelerometer Pooling in Four European Countries. <i>Sports Medicine</i> , 2017 , 47, 1421-1435	10.6	82
328	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. <i>Nature Communications</i> , 2017 , 8, 16015	17.4	80
327	Modeling physical activity outcomes from wearable monitors. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, S50-60	1.2	80
326	Mitochondrial dysfunction in patients with primary congenital insulin resistance. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2457-61	15.9	78

325	Seasonal Variation in Children's Physical Activity and Sedentary Time. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 449-56	1.2	78
324	Muscle strength in youth and cardiovascular risk in young adulthood (the European Youth Heart Study). <i>British Journal of Sports Medicine</i> , 2015 , 49, 90-4	10.3	77
323	Does neighborhood fast-food outlet exposure amplify inequalities in diet and obesity? A cross-sectional study. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 1540-7	7	77
322	Objectively measured physical activity correlates with indices of insulin resistance in Danish children. The European Youth Heart Study (EYHS). <i>International Journal of Obesity</i> , 2004 , 28, 1503-8	5.5	77
321	Mechanical and free living comparisons of four generations of the Actigraph activity monitor. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2012 , 9, 113	8.4	76
320	Health complaints and sickness absence in Norway, 1996-2003. <i>Occupational Medicine</i> , 2007 , 57, 43-9	2.1	76
319	Television viewing and incident cardiovascular disease: prospective associations and mediation analysis in the EPIC Norfolk Study. <i>PLoS ONE</i> , 2011 , 6, e20058	3.7	76
318	Association between objectively assessed sedentary time and physical activity with metabolic risk factors among people with recently diagnosed type 2 diabetes. <i>Diabetologia</i> , 2014 , 57, 73-82	10.3	75
317	The effects of aerobic exercise on metabolic risk, insulin sensitivity and intrahepatic lipid in healthy older people from the Hertfordshire Cohort Study: a randomised controlled trial. <i>Diabetologia</i> , 2010 , 53, 624-31	10.3	74
316	Computed tomography-based validation of abdominal adiposity measurements from ultrasonography, dual-energy X-ray absorptiometry and anthropometry. <i>British Journal of Nutrition</i> , 2010 , 104, 582-8	3.6	72
315	Relationship between subdomains of total physical activity and mortality. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 1909-15	1.2	72
314	Integration of physiological and accelerometer data to improve physical activity assessment. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, S563-71	1.2	71
313	Levels and patterns of objectively-measured physical activity volume and intensity distribution in UK adolescents: the ROOTS study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2014 , 11, 23	8.4	70
312	A randomised controlled trial of three very brief interventions for physical activity in primary care. <i>BMC Public Health</i> , 2016 , 16, 1033	4.1	69
311	The descriptive epidemiology of accelerometer-measured physical activity in older adults. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2016 , 13, 2	8.4	65
310	Reliability and Validity of the Computer Science and Applications Accelerometer in a Mechanical Setting. <i>Measurement in Physical Education and Exercise Science</i> , 2003 , 7, 101-119	1.9	63
309	The cross-sectional association between snacking behaviour and measures of adiposity: the Fenland Study, UK. <i>British Journal of Nutrition</i> , 2015 , 114, 1286-93	3.6	62
308	Development of ICF core set for disability evaluation in social security. <i>Disability and Rehabilitation</i> , 2008 , 30, 1392-6	2.4	62

307	Physical activity reduces the risk of incident type 2 diabetes in general and in abdominally lean and obese men and women: the EPIC-InterAct Study. <i>Diabetologia</i> , 2012 , 55, 1944-52	10.3	61
306	The gender gap in musculoskeletal-related long-term sickness absence in Norway. <i>Scandinavian Journal of Public Health</i> , 1998 , 26, 34-43		61
305	Increase in sickness absence with psychiatric diagnosis in Norway: a general population-based epidemiologic study of age, gender and regional distribution. <i>BMC Medicine</i> , 2006 , 4, 19	11.4	61
304	Estimation of Physical Activity Energy Expenditure during Free-Living from Wrist Accelerometry in UK Adults. <i>PLoS ONE</i> , 2016 , 11, e0167472	3.7	61
303	Combined influence of epoch length, cut-point and bout duration on accelerometry-derived physical activity. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2014 , 11, 34	8.4	60
302	Physical activity across adulthood in relation to fat and lean body mass in early old age: findings from the Medical Research Council National Survey of Health and Development, 1946-2010. <i>American Journal of Epidemiology</i> , 2014 , 179, 1197-207	3.8	60
301	Comparison of two methods to assess PAEE during six activities in children. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 2180-8	1.2	60
300	Wearable-device-measured physical activity and future health risk. <i>Nature Medicine</i> , 2020 , 26, 1385-1391	50.5	60
299	Physical activity intensity, bout-duration, and cardiometabolic risk markers in children and adolescents. <i>International Journal of Obesity</i> , 2018 , 42, 1639-1650	5.5	58
298	Independent and combined association of muscle strength and cardiorespiratory fitness in youth with insulin resistance and β cell function in young adulthood: the European Youth Heart Study. <i>Diabetes Care</i> , 2013 , 36, 2575-81	14.6	57
297	Physical activity, sedentary time and gain in overall and central body fat: 7-year follow-up of the ProActive trial cohort. <i>International Journal of Obesity</i> , 2015 , 39, 142-8	5.5	56
296	Increasing objectively measured sedentary time increases clustered cardiometabolic risk: a 6-year analysis of the ProActive study. <i>Diabetologia</i> , 2014 , 57, 305-12	10.3	56
295	Differences in psychomotor activity in patients suffering from unipolar and bipolar affective disorder in the remitted or mild/moderate depressive state. <i>Journal of Affective Disorders</i> , 2012 , 141, 457-63	6.6	56
294	Validity of electronically administered Recent Physical Activity Questionnaire (RPAQ) in ten European countries. <i>PLoS ONE</i> , 2014 , 9, e92829	3.7	55
293	ICPC as a standard classification in Norway. <i>Family Practice</i> , 1996 , 13, 391-6	1.9	55
292	Impact of physical activity on the risk of cardiovascular disease in middle-aged and older adults: EPIC Norfolk prospective population study. <i>European Journal of Preventive Cardiology</i> , 2018 , 25, 200-208	3.9	54
291	The association of intensity and overall level of physical activity energy expenditure with a marker of insulin resistance. <i>Diabetologia</i> , 2008 , 51, 1399-407	10.3	52
290	Rate of weight gain predicts change in physical activity levels: a longitudinal analysis of the EPIC-Norfolk cohort. <i>International Journal of Obesity</i> , 2013 , 37, 404-9	5.5	51

289	Exercise and depressive symptoms in adolescents: a longitudinal cohort study. <i>JAMA Pediatrics</i> , 2014 , 168, 1093-100	8.3	51
288	Obesity-susceptibility loci have a limited influence on birth weight: a meta-analysis of up to 28,219 individuals. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 851-60	7	50
287	Prevalence of low back pain and sickness absence: a "borderline" study in Norway and Sweden. <i>Scandinavian Journal of Public Health</i> , 2006 , 34, 555-8	3	48
286	Does birth weight influence physical activity in youth? A combined analysis of four studies using objectively measured physical activity. <i>PLoS ONE</i> , 2011 , 6, e16125	3.7	48
285	Levels of physical activity among a nationally representative sample of people in early old age: results of objective and self-reported assessments. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2014 , 11, 58	8.4	47
284	Cross-Sectional Associations of Objectively-Measured Physical Activity and Sedentary Time with Body Composition and Cardiorespiratory Fitness in Mid-Childhood: The PANIC Study. <i>Sports Medicine</i> , 2017 , 47, 769-780	10.6	47
283	Protocol for the modeling the epidemiologic transition study: a longitudinal observational study of energy balance and change in body weight, diabetes and cardiovascular disease risk. <i>BMC Public Health</i> , 2011 , 11, 927	4.1	47
282	Effects of nutritional supplementation for HIV patients starting antiretroviral treatment: randomised controlled trial in Ethiopia. <i>BMJ, The</i> , 2014 , 348, g3187	5.9	46
281	Criterion validity of a 10-category scale for ranking physical activity in Norwegian women. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2012 , 9, 2	8.4	45
280	Quantifying the physical activity energy expenditure of commuters using a combination of global positioning system and combined heart rate and movement sensors. <i>Preventive Medicine</i> , 2015 , 81, 339-44	4.3	45
279	Common genetic determinants of glucose homeostasis in healthy children: the European Youth Heart Study. <i>Diabetes</i> , 2009 , 58, 2939-45	0.9	45
278	Influence of Step Frequency on Movement Intensity Predictions with the CSA Accelerometer: A Field Validation Study in Children. <i>Pediatric Exercise Science</i> , 2003 , 15, 277-287	2	45
277	Physical activity energy expenditure predicts changes in body composition in middle-aged healthy whites: effect modification by age. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 964-9	7	45
276	Work ability assessed by patients and their GPs in new episodes of sickness certification. <i>Family Practice</i> , 2000 , 17, 139-44	1.9	45
275	Estimating energy expenditure from wrist and thigh accelerometry in free-living adults: a doubly labelled water study. <i>International Journal of Obesity</i> , 2019 , 43, 2333-2342	5.5	43
274	Associations between physical activity and fat mass in adolescents: the Stockholm Weight Development Study. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 355-60	7	43
273	Impact of study design on development and evaluation of an activity-type classifier. <i>Journal of Applied Physiology</i> , 2013 , 114, 1042-51	3.7	42
272	Emotional distress as a predictor for low back disability: a prospective 12-year population-based study. <i>Spine</i> , 2007 , 32, 269-74	3.3	42

271	Use of the prevented fraction for the population to determine deaths averted by existing prevalence of physical activity: a descriptive study. <i>The Lancet Global Health</i> , 2020 , 8, e920-e930	13.6	41
270	Does the importance of dietary costs for fruit and vegetable intake vary by socioeconomic position?. <i>British Journal of Nutrition</i> , 2015 , 114, 1464-70	3.6	41
269	Revising on the run or studying on the sofa: prospective associations between physical activity, sedentary behaviour, and exam results in British adolescents. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015 , 12, 106	8.4	41
268	Sedentary time in children: influence of accelerometer processing on health relations. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 1097-104	1.2	40
267	Physical activity, sedentary time and physical capability in early old age: British birth cohort study. <i>PLoS ONE</i> , 2015 , 10, e0126465	3.7	39
266	Physical activity and sedentary time in relation to academic achievement in children. <i>Journal of Science and Medicine in Sport</i> , 2017 , 20, 583-589	4.4	38
265	Physical Activity and Mental Well-being in a Cohort Aged 60-64 Years. <i>American Journal of Preventive Medicine</i> , 2015 , 49, 172-80	6.1	37
264	Mediation and modification of genetic susceptibility to obesity by eating behaviors. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 996-1004	7	37
263	Physical Activity Surveillance Through Smartphone Apps and Wearable Trackers: Examining the UK Potential for Nationally Representative Sampling. <i>JMIR MHealth and UHealth</i> , 2019 , 7, e11898	5.5	37
262	Dietary cost associated with adherence to the Mediterranean diet, and its variation by socio-economic factors in the UK Fenland Study. <i>British Journal of Nutrition</i> , 2018 , 119, 685-694	3.6	36
261	Estimating city-level travel patterns using street imagery: A case study of using Google Street View in Britain. <i>PLoS ONE</i> , 2018 , 13, e0196521	3.7	36
260	Interplay of Socioeconomic Status and Supermarket Distance Is Associated with Excess Obesity Risk: A UK Cross-Sectional Study. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	35
259	Levels of domain-specific physical activity at work, in the household, for travel and for leisure among 327 789 adults from 104 countries. <i>British Journal of Sports Medicine</i> , 2020 , 54, 1488-1497	10.3	35
258	Predicting physical activity energy expenditure using accelerometry in adults from sub-Saharan Africa. <i>Obesity</i> , 2009 , 17, 1588-95	8	34
257	The combination of cardiorespiratory fitness and muscle strength, and mortality risk. <i>European Journal of Epidemiology</i> , 2018 , 33, 953-964	12.1	33
256	Intakes and sources of dietary sugars and their association with metabolic and inflammatory markers. <i>Clinical Nutrition</i> , 2018 , 37, 1313-1322	5.9	33
255	Cardiorespiratory fitness and physical activity in Luo, Kamba, and Maasai of rural Kenya. <i>American Journal of Human Biology</i> , 2012 , 24, 723-9	2.7	33
254	PGC-1alpha genotype modifies the association of volitional energy expenditure with [OV0312]O2max. <i>Medicine and Science in Sports and Exercise</i> , 2003 , 35, 1998-2004	1.2	33

253	Association of car ownership and physical activity across the spectrum of human development: Modeling the Epidemiologic Transition Study (METS). <i>BMC Public Health</i> , 2015 , 15, 173	4.1	32
252	Magnitude and determinants of change in objectively-measured physical activity, sedentary time and sleep duration from ages 15 to 17.5y in UK adolescents: the ROOTS study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015 , 12, 61	8.4	32
251	New rules meet established sickness certification practice: a focus-group study on the introduction of functional assessments in Norwegian primary care. <i>Scandinavian Journal of Primary Health Care</i> , 2007 , 25, 172-7	2.7	32
250	Validity of visceral adiposity estimates from DXA against MRI in Kuwaiti men and women. <i>Nutrition and Diabetes</i> , 2017 , 7, e238	4.7	31
249	Long-term physical activity: an exogenous risk factor for sporadic amyotrophic lateral sclerosis?. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016 , 17, 377-84	3.6	31
248	Validation of an Internet-based long version of the International Physical Activity Questionnaire in Danish adults using combined accelerometry and heart rate monitoring. <i>Journal of Physical Activity and Health</i> , 2014 , 11, 654-64	2.5	31
247	Genome-wide association study for risk taking propensity indicates shared pathways with body mass index. <i>Communications Biology</i> , 2018 , 1, 36	6.7	30
246	Independent and joint associations of grip strength and adiposity with all-cause and cardiovascular disease mortality in 403,199 adults: the UK Biobank study. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 773-782	7	30
245	Combined heart rate- and accelerometer-assessed physical activity energy expenditure and associations with glucose homeostasis markers in a population at high risk of developing diabetes: the ADDITION-PRO study. <i>Diabetes Care</i> , 2013 , 36, 3062-9	14.6	30
244	Prospective association between handgrip strength and cardiac structure and function in UK adults. <i>PLoS ONE</i> , 2018 , 13, e0193124	3.7	29
243	Serum carbon and nitrogen stable isotopes as potential biomarkers of dietary intake and their relation with incident type 2 diabetes: the EPIC-Norfolk study. <i>American Journal of Clinical Nutrition</i> , 2014 , 100, 708-18	7	29
242	Do physical activity and aerobic fitness moderate the association between birth weight and metabolic risk in youth?: the European Youth Heart Study. <i>Diabetes Care</i> , 2011 , 34, 187-92	14.6	29
241	Challenges and Opportunities for Harmonizing Research Methodology: Raw Accelerometry. <i>Methods of Information in Medicine</i> , 2016 , 55, 525-532	1.5	29
240	Objective Sedentary Time, Moderate-to-Vigorous Physical Activity, and Physical Capability in a British Cohort. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 421-9	1.2	29
239	Validation of ultrasound estimates of visceral fat in black South African adolescents. <i>Obesity</i> , 2011 , 19, 1892-7	8	28
238	How GPs in Norway conceptualise functional ability: a focus group study. <i>British Journal of General Practice</i> , 2008 , 58, 850-5	1.6	28
237	Descriptive epidemiology of physical activity energy expenditure in UK adults (The Fenland study). <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2019 , 16, 126	8.4	28
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235	Prospective associations between sedentary time, sleep duration and adiposity in adolescents. <i>Sleep Medicine</i> , 2015 , 16, 717-22	4.6	27
234	Physical Activity, Sedentary Time, and Fatness in a Biethnic Sample of Young Children. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 930-938	1.2	27
233	Comparisons of intensity-duration patterns of physical activity in the US, Jamaica and 3 African countries. <i>BMC Public Health</i> , 2014 , 14, 882	4.1	27
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224	Patterns and correlates of objectively measured free-living physical activity in adults in rural and urban Cameroon. <i>Journal of Epidemiology and Community Health</i> , 2015 , 69, 700-7	5.1	24
223	Corticosteroid or placebo injection combined with deep transverse friction massage, Mills manipulation, stretching and eccentric exercise for acute lateral epicondylitis: a randomised, controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2015 , 16, 122	2.8	24
222	A mixed ecologic-cohort comparison of physical activity & weight among young adults from five populations of African origin. <i>BMC Public Health</i> , 2014 , 14, 397	4.1	24
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219	Longitudinal associations of physical activity and sedentary time with cardiometabolic risk factors in children. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019 , 29, 113-123	4.6	24
218	Prospective Associations of Accelerometer-Measured Physical Activity and Sedentary Time With Incident Cardiovascular Disease, Cancer, and All-Cause Mortality. <i>Circulation</i> , 2020 , 141, 1113-1115	16.7	24

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215	Multiple behaviour change intervention and outcomes in recently diagnosed type 2 diabetes: the ADDITION-Plus randomised controlled trial. <i>Diabetologia</i> , 2014 , 57, 1308-19	10.3	23
214	Wrist Accelerometer Cut Points for Classifying Sedentary Behavior in Children. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 813-822	1.2	22
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