

# Søren Brage

## List of Publications by Year in descending order

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Version: 2024-02-01

411  
papers

28,285  
citations

4942

84  
h-index

7931

149  
g-index

447  
all docs

447  
docs citations

447  
times ranked

29078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical activity and clustered cardiovascular risk in children: a cross-sectional study (The European) Tj ETQq1 1 0.784314 rgBT /Overl 6.3 1,188	6.3	1,188
2	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.	2.5	777
3	Large Scale Population Assessment of Physical Activity Using Wrist Worn Accelerometers: The UK Biobank Study. <i>PLoS ONE</i> , 2017, 12, e0169649.	1.1	654
4	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.	1.1	577
5	Reliability and validity of the combined heart rate and movement sensor Actiheart. <i>European Journal of Clinical Nutrition</i> , 2005, 59, 561-570.	1.3	561
6	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.	3.9	487
7	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, 2141-2148.	4.3	470
8	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.	2.0	469
9	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.	2.9	446
10	Assessment of physical activity in youth. <i>Journal of Applied Physiology</i> , 2008, 105, 977-987.	1.2	446
11	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.	3.9	446
12	Methods of Measurement in epidemiology: Sedentary Behaviour. <i>International Journal of Epidemiology</i> , 2012, 41, 1460-1471.	0.9	414
13	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, 738-744.	1.2	413
14	Modulation of Blood Pressure by Central Melanocortinergetic Pathways. <i>New England Journal of Medicine</i> , 2009, 360, 44-52.	13.9	412
15	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, 343-351.	1.2	382
16	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, 258-265.	1.1	355
17	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) Tj ETQq1 1 0.784314 rgBT /Overl	2.8	312
18	Genetic variation in LIN28B is associated with the timing of puberty. <i>Nature Genetics</i> , 2009, 41, 729-733.	9.4	317

#	ARTICLE	IF	CITATIONS
19	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, 324-330.	2.2	288
20	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, 613-621.	2.2	284
21	Reexamination of Validity and Reliability of the CSA Monitor in Walking and Running. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 1447-1454.	0.2	283
22	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013, 45, 621-631.	9.4	282
23	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.	1.8	277
24	Association Between Physical Activity and Risk of Depression. <i>JAMA Psychiatry</i> , 2022, 79, 550.	6.0	264
25	Hierarchy of individual calibration levels for heart rate and accelerometry to measure physical activity. <i>Journal of Applied Physiology</i> , 2007, 103, 682-692.	1.2	263
26	Accelerometers and pedometers: methodology and clinical application. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2007, 10, 597-603.	1.3	259
27	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.	2.9	252
28	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, 526-531.	3.1	247
29	Television viewing time independently predicts all-cause and cardiovascular mortality: the EPIC Norfolk Study. <i>International Journal of Epidemiology</i> , 2011, 40, 150-159.	0.9	246
30	Utilization and Harmonization of Adult Accelerometry Data. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2129-2139.	0.2	222
31	Time spent being sedentary and weight gain in healthy adults: reverse or bidirectional causality?. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 612-617.	2.2	211
32	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, 106-114.	2.2	207
33	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.	1.1	205
34	Objectively Measured Sedentary Time May Predict Insulin Resistance Independent of Moderate- and Vigorous-Intensity Physical Activity. <i>Diabetes</i> , 2009, 58, 1776-1779.	0.3	200
35	Physical activity, cardiorespiratory fitness, and the metabolic syndrome in youth. <i>Journal of Applied Physiology</i> , 2008, 105, 342-351.	1.2	198
36	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, 1195-1200.	4.3	196

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37	Physical activity trajectories and mortality: population based cohort study. <i>BMJ: British Medical Journal</i> , 2019, 365, l2323.	2.4	194
38	Validity of a short questionnaire to assess physical activity in 10 European countries. <i>European Journal of Epidemiology</i> , 2012, 27, 15-25.	2.5	185
39	Does the Association of Habitual Physical Activity With the Metabolic Syndrome Differ by Level of Cardiorespiratory Fitness?. <i>Diabetes Care</i> , 2004, 27, 1187-1193.	4.3	180
40	Physical activity levels in three Brazilian birth cohorts as assessed with raw triaxial wrist accelerometry. <i>International Journal of Epidemiology</i> , 2014, 43, 1959-1968.	0.9	178
41	Gaussian Process Robust Regression for Noisy Heart Rate Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2143-2151.	2.5	177
42	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.	1.0	173
43	Gene – Physical Activity Interactions in Obesity: Combined Analysis of 111,421 Individuals of European Ancestry. <i>PLoS Genetics</i> , 2013, 9, e1003607.	1.5	168
44	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, 350-357.	1.3	159
45	Genome-wide physical activity interactions in adiposity – A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , 2017, 13, e1006528.	1.5	158
46	Wearable-device-measured physical activity and future health risk. <i>Nature Medicine</i> , 2020, 26, 1385-1391.	15.2	157
47	Are Self-report Measures Able to Define Individuals as Physically Active or Inactive?. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 235-244.	0.2	152
48	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, 1081-1086.	4.3	150
49	Urbanization, Physical Activity, and Metabolic Health in Sub-Saharan Africa. <i>Diabetes Care</i> , 2011, 34, 491-496.	4.3	150
50	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. <i>Nature Communications</i> , 2017, 8, 16015.	5.8	149
51	Leptin Predicts a Worsening of the Features of the Metabolic Syndrome Independently of Obesity. <i>Obesity</i> , 2005, 13, 1476-1484.	4.0	148
52	Rare variants in single-minded 1 (SIM1) are associated with severe obesity. <i>Journal of Clinical Investigation</i> , 2013, 123, 3042-3050.	3.9	135
53	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, 1761-1767.	0.2	132
54	Prevalence and correlates of the metabolic syndrome in a population-based sample of European youth. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 90-96.	2.2	131

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55	Predictive Validity and Classification Accuracy of ActiGraph Energy Expenditure Equations and Cut-Points in Young Children. PLoS ONE, 2013, 8, e79124.	1.1	122
56	Heritability of objectively assessed daily physical activity and sedentary behavior. American Journal of Clinical Nutrition, 2013, 98, 1317-1325.	2.2	121
57	Genetic Susceptibility to Obesity and Related Traits in Childhood and Adolescence. Diabetes, 2010, 59, 2980-2988.	0.3	120
58	Sedentary Time and Physical Activity Surveillance Through Accelerometer Pooling in Four European Countries. Sports Medicine, 2017, 47, 1421-1435.	3.1	117
59	Estimation of Free-Living Energy Expenditure by Heart Rate and Movement Sensing: A Doubly-Labelled Water Study. PLoS ONE, 2015, 10, e0137206.	1.1	116
60	PPARGC1A genotype (Gly482Ser) predicts exceptional endurance capacity in European men. Journal of Applied Physiology, 2005, 99, 344-348.	1.2	114
61	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. International Journal of Epidemiology, 2011, 40, 112-120.	0.9	114
62	Estimation of Physical Activity Energy Expenditure during Free-Living from Wrist Accelerometry in UK Adults. PLoS ONE, 2016, 11, e0167472.	1.1	113
63	Does neighborhood fast-food outlet exposure amplify inequalities in diet and obesity? A cross-sectional study. American Journal of Clinical Nutrition, 2016, 103, 1540-1547.	2.2	113
64	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. Diabetes/Metabolism Research and Reviews, 2017, 33, e2828.	1.7	113
65	Body movement and physical activity energy expenditure in children and adolescents: how to adjust for differences in body size and age. American Journal of Clinical Nutrition, 2004, 79, 851-856.	2.2	112
66	Physical activity and gain in abdominal adiposity and body weight: prospective cohort study in 288,498 men and women. American Journal of Clinical Nutrition, 2011, 93, 826-835.	2.2	112
67	Physical activity intensity, sedentary time, and body composition in preschoolers. American Journal of Clinical Nutrition, 2013, 97, 1020-1028.	2.2	108
68	Increase in Physical Activity Energy Expenditure Is Associated With Reduced Metabolic Risk Independent of Change in Fatness and Fitness. Diabetes Care, 2007, 30, 2101-2106.	4.3	107
69	Comparison of two Actigraph models for assessing free-living physical activity in Indian adolescents. Journal of Sports Sciences, 2007, 25, 1607-1611.	1.0	107
70	Seasonal Variation in Children's Physical Activity and Sedentary Time. Medicine and Science in Sports and Exercise, 2016, 48, 449-456.	0.2	107
71	Reliability and Validity of a Domain-Specific Last 7-d Sedentary Time Questionnaire. Medicine and Science in Sports and Exercise, 2014, 46, 1248-1260.	0.2	104
72	Ultrasound Measurements of Visceral and Subcutaneous Abdominal Thickness to Predict Abdominal Adiposity Among Older Men and Women. Obesity, 2010, 18, 625-631.	1.5	103

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73	Association of Genetic Loci With Glucose Levels in Childhood and Adolescence. <i>Diabetes</i> , 2011, 60, 1805-1812.	0.3	103
74	Physical activity intensity, bout-duration, and cardiometabolic risk markers in children and adolescents. <i>International Journal of Obesity</i> , 2018, 42, 1639-1650.	1.6	102
75	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, 517-524.	1.2	98
76	Television Viewing and Incident Cardiovascular Disease: Prospective Associations and Mediation Analysis in the EPIC Norfolk Study. <i>PLoS ONE</i> , 2011, 6, e20058.	1.1	98
77	Muscle strength in youth and cardiovascular risk in young adulthood (the European Youth Heart) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1</i>	3.1	97
78	Objectively measured physical activity correlates with indices of insulin resistance in Danish children.. <i>International Journal of Obesity</i> , 2004, 28, 1503-1508.	1.6	94
79	Integration of Physiological and Accelerometer Data to Improve Physical Activity Assessment. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S563-S571.	0.2	94
80	Health complaints and sickness absence in Norway, 1996â€“2003. <i>Occupational Medicine</i> , 2007, 57, 43-49.	0.8	94
81	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.	2.0	94
82	The descriptive epidemiology of accelerometer-measured physical activity in older adults. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2016, 13, 2.	2.0	94
83	Modeling Physical Activity Outcomes from Wearable Monitors. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, S50-S60.	0.2	93
84	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, 624-631.	2.9	91
85	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.	2.9	88
86	The cross-sectional association between snacking behaviour and measures of adiposity: the Fenland Study, UK. <i>British Journal of Nutrition</i> , 2015, 114, 1286-1293.	1.2	88
87	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, 582-588.	1.2	87
88	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.	2.9	86
89	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.	2.0	85
90	Validity of Electronically Administered Recent Physical Activity Questionnaire (RPAQ) in Ten European Countries. <i>PLoS ONE</i> , 2014, 9, e92829.	1.1	84

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91	Mitochondrial dysfunction in patients with primary congenital insulin resistance. <i>Journal of Clinical Investigation</i> , 2011, 121, 2457-2461.	3.9	83
92	Relationship between Subdomains of Total Physical Activity and Mortality. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 1909-1915.	0.2	82
93	A randomised controlled trial of three very brief interventions for physical activity in primary care. <i>BMC Public Health</i> , 2016, 16, 1033.	1.2	81
94	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.	1.6	81
95	The gender gap in musculoskeletal-related long term sickness absence in Norway. <i>Scandinavian Journal of Public Health</i> , 1998, 26, 34-43.	0.6	80
96	Development of ICF core set for disability evaluation in social security. <i>Disability and Rehabilitation</i> , 2008, 30, 1392-1396.	0.9	80
97	Comparison of Two Methods to Assess PAEE during Six Activities in Children. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 2180-2188.	0.2	79
98	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.	3.1	79
99	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.	1.3	75
100	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.	3.1	75
101	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.	0.8	75
102	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.	2.3	73
103	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, 1197-1207.	1.6	72
104	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.	1.2	72
105	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, 457-463.	2.0	71
106	Independent and Combined Association of Muscle Strength and Cardiorespiratory Fitness in Youth With Insulin Resistance and Î²-Cell Function in Young Adulthood. <i>Diabetes Care</i> , 2013, 36, 2575-2581.	4.3	71
107	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.	2.0	70
108	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, 1944-1952.	2.9	68

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109	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, 142-148.	1.6	68
110	ICPC as a standard classification in Norway. <i>Family Practice</i> , 1996, 13, 391-396.	0.8	66
111	Exercise and Depressive Symptoms in Adolescents. <i>JAMA Pediatrics</i> , 2014, 168, 1093.	3.3	66
112	The combination of cardiorespiratory fitness and muscle strength, and mortality risk. <i>European Journal of Epidemiology</i> , 2018, 33, 953-964.	2.5	64
113	Increasing objectively measured sedentary time increases clustered cardiometabolic risk: a 6-year analysis of the ProActive study. <i>Diabetologia</i> , 2014, 57, 305-312.	2.9	63
114	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.	1.1	63
115	Validity and reliability of an online self-report 24-h dietary recall method (Intake24): a doubly labelled water study and repeated-measures analysis. <i>Journal of Nutritional Science</i> , 2019, 8, e29.	0.7	62
116	The association of intensity and overall level of physical activity energy expenditure with a marker of insulin resistance. <i>Diabetologia</i> , 2008, 51, 1399-1407.	2.9	59
117	Does the importance of dietary costs for fruit and vegetable intake vary by socioeconomic position?. <i>British Journal of Nutrition</i> , 2015, 114, 1464-1470.	1.2	59
118	Prevalence of low back pain and sickness absence: A "borderline" study in Norway and Sweden. <i>Scandinavian Journal of Public Health</i> , 2006, 34, 555-558.	1.2	58
119	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, 851-860.	2.2	58
120	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, 404-409.	1.6	57
121	Effects of nutritional supplementation for HIV patients starting antiretroviral treatment: randomised controlled trial in Ethiopia. <i>BMJ</i> , 2014, 348, g3187-g3187.	3.0	57
122	Impact of follow-up time and analytical approaches to account for reverse causality on the association between physical activity and health outcomes in UK Biobank. <i>International Journal of Epidemiology</i> , 2020, 49, 162-172.	0.9	57
123	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.	1.2	56
124	Intakes and sources of dietary sugars and their association with metabolic and inflammatory markers. <i>Clinical Nutrition</i> , 2018, 37, 1313-1322.	2.3	56
125	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.	1.6	56
126	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.	1.1	56

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127	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.	2.0	55
128	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, 339-344.	1.6	55
129	Common Genetic Determinants of Glucose Homeostasis in Healthy Children. <i>Diabetes</i> , 2009, 58, 2939-2945.	0.3	54
130	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.	2.0	54
131	Genome-wide association study for risk taking propensity indicates shared pathways with body mass index. <i>Communications Biology</i> , 2018, 1, 36.	2.0	54
132	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.	2.0	54
133	Work ability assessed by patients and their GPs in new episodes of sickness certification. <i>Family Practice</i> , 2000, 17, 139-144.	0.8	53
134	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.	2.2	53
135	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.	1.8	53
136	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, 964-969.	2.2	52
137	Emotional Distress as a Predictor for Low Back Disability. <i>Spine</i> , 2007, 32, 269-274.	1.0	52
138	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.	2.0	52
139	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.	0.5	51
140	Associations between physical activity and fat mass in adolescents: the Stockholm Weight Development Study <sup>1-3</sup> . <i>American Journal of Clinical Nutrition</i> , 2005, 81, 355-360.	2.2	51
141	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.	0.6	51
142	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, 1290.	1.2	51
143	Physical Activity and Mental Well-being in a Cohort Aged 60-64 Years. <i>American Journal of Preventive Medicine</i> , 2015, 49, 172-180.	1.6	48
144	Validity of visceral adiposity estimates from DXA against MRI in Kuwaiti men and women. <i>Nutrition and Diabetes</i> , 2017, 7, e238-e238.	1.5	48

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145	Mediation and modification of genetic susceptibility to obesity by eating behaviors. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 996-1004.	2.2	47
146	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , 2020, 17, e1003149.	3.9	47
147	SelfHAR. , 2021, 5, 1-30.		47
148	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, 421-429.	0.2	46
149	Long-term physical activity: an exogenous risk factor for sporadic amyotrophic lateral sclerosis?. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016, 17, 377-384.	1.1	46
150	Associations between maternal physical activity in early and late pregnancy and offspring birth size: remote federated individual level meta-analysis from eight cohort studies. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2019, 126, 459-470.	1.1	46
151	Physical Activity, Sedentary Time and Physical Capability in Early Old Age: British Birth Cohort Study. <i>PLoS ONE</i> , 2015, 10, e0126465.	1.1	46
152	Impact of study design on development and evaluation of an activity-type classifier. <i>Journal of Applied Physiology</i> , 2013, 114, 1042-1051.	1.2	45
153	Sedentary Time in Children. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1097-1104.	0.2	44
154	Population level physical activity before and during the first national COVID-19 lockdown: A nationally representative repeat cross-sectional study of 5 years of Active Lives data in England. <i>Lancet Regional Health - Europe</i> , The, 2022, 12, 100265.	3.0	44
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