SÃ¸ren Brage

List of Publications by Year
in descending order

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411 papers	28,285 citations	4960 84 h-index	7950 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 /Overlock	13.7	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. European Journal of Epidemiology, 2018, 33, 811-829.	5.7	777
3	Large Scale Population Assessment of Physical Activity Using Wrist Worn Accelerometers: The UK Biobank Study. PLoS ONE, 2017, 12, e0169649.	2.5	654
4	Separating Movement and Gravity Components in an Acceleration Signal and Implications for the Assessment of Human Daily Physical Activity. PLoS ONE, 2013, 8, e61691.	2.5	577
5	Reliability and validity of the combined heart rate and movement sensor Actiheart. European Journal of Clinical Nutrition, 2005, 59, 561-570.	2.9	561
6	TV Viewing and Physical Activity Are Independently Associated with Metabolic Risk in Children: The European Youth Heart Study. PLoS Medicine, 2006, 3, e488.	8.4	487
7	Features of the Metabolic Syndrome Are Associated With Objectively Measured Physical Activity and Fitness in Danish Children. Diabetes Care, 2004, 27, 2141-2148.	8.6	470
8	A systematic review of reliability and objective criterion-related validity of physical activity questionnaires. International Journal of Behavioral Nutrition and Physical Activity, 2012, 9, 103.	4.6	469
9	Independent associations of physical activity and cardiorespiratory fitness with metabolic risk factors in children: the European youth heart study. Diabetologia, 2007, 50, 1832-1840.	6.3	446
10	Assessment of physical activity in youth. Journal of Applied Physiology, 2008, 105, 977-987.	2.5	446
11	Physical Activity Attenuates the Influence of FTO Variants on Obesity Risk: A Meta-Analysis of 218,166 Adults and 19,268 Children. PLoS Medicine, 2011, 8, e1001116.	8.4	446
12	Methods of Measurement in epidemiology: Sedentary Behaviour. International Journal of Epidemiology, 2012, 41, 1460-1471.	1.9	414
13	Autocalibration of accelerometer data for free-living physical activity assessment using local gravity and temperature: an evaluation on four continents. Journal of Applied Physiology, 2014, 117, 738-744.	2.5	413
14	Modulation of Blood Pressure by Central Melanocortinergic Pathways. New England Journal of Medicine, 2009, 360, 44-52.	27.0	412
15	Branched equation modeling of simultaneous accelerometry and heart rate monitoring improves estimate of directly measured physical activity energy expenditure. Journal of Applied Physiology, 2004, 96, 343-351.	2.5	382
16	Criterion-related validity of the last 7-day, short form of the International Physical Activity Questionnaire in Swedish adults. Public Health Nutrition, 2006, 9, 258-265.	2.2	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 /Overlock	4.7	342
18	Genetic variation in LIN28B is associated with the timing of puberty. Nature Genetics, 2009, 41, 729-733.	21.4	317

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19	Upward weight percentile crossing in infancy and early childhood independently predicts fat mass in young adults: the Stockholm Weight Development Study (SWEDES). American Journal of Clinical Nutrition, 2006, 83, 324-330.	4.7	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). American Journal of Clinical Nutrition, 2015, 101, 613-621.	4.7	284
21	Reexamination of Validity and Reliability of the CSA Monitor in Walking and Running. Medicine and Science in Sports and Exercise, 2003, 35, 1447-1454.	0.4	283
22	Identification of heart rateâ€“associated loci and their effects on cardiac conduction and rhythm disorders. Nature Genetics, 2013, 45, 621-631.	21.4	282
23	Association of Weight Gain in Infancy and Early Childhood with Metabolic Risk in Young Adults. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 98-103.	3.6	277
24	Association Between Physical Activity and Risk of Depression. JAMA Psychiatry, 2022, 79, 550.	11.0	264
25	Hierarchy of individual calibration levels for heart rate and accelerometry to measure physical activity. Journal of Applied Physiology, 2007, 103, 682-692.	2.5	263
26	Accelerometers and pedometers: methodology and clinical application. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 597-603.	2.5	259
27	Physical activity and incident type 2 diabetes mellitus: a systematic review and doseâ€“response meta-analysis of prospective cohort studies. Diabetologia, 2016, 59, 2527-2545.	6.3	252
28	Low cardiorespiratory fitness is a strong predictor for clustering of cardiovascular disease risk factors in children independent of country, age and sex. European Journal of Cardiovascular Prevention and Rehabilitation, 2007, 14, 526-531.	2.8	247
29	Television viewing time independently predicts all-cause and cardiovascular mortality: the EPIC Norfolk Study. International Journal of Epidemiology, 2011, 40, 150-159.	1.9	246
30	Utilization and Harmonization of Adult Accelerometry Data. Medicine and Science in Sports and Exercise, 2015, 47, 2129-2139.	0.4	222
31	Time spent being sedentary and weight gain in healthy adults: reverse or bidirectional causality?. American Journal of Clinical Nutrition, 2008, 88, 612-617.	4.7	211
32	Estimating physical activity energy expenditure, sedentary time, and physical activity intensity by self-report in adults. American Journal of Clinical Nutrition, 2010, 91, 106-114.	4.7	207
33	Estimation of Daily Energy Expenditure in Pregnant and Non-Pregnant Women Using a Wrist-Worn Tri-Axial Accelerometer. PLoS ONE, 2011, 6, e22922.	2.5	205
34	Objectively Measured Sedentary Time May Predict Insulin Resistance Independent of Moderate- and Vigorous-Intensity Physical Activity. Diabetes, 2009, 58, 1776-1779.	0.6	200
35	Physical activity, cardiorespiratory fitness, and the metabolic syndrome in youth. Journal of Applied Physiology, 2008, 105, 342-351.	2.5	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. Diabetes Care, 2005, 28, 1195-1200.	8.6	196

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37	Physical activity trajectories and mortality: population based cohort study. BMJ: British Medical Journal, 2019, 365, l2323.	2.3	194
38	Validity of a short questionnaire to assess physical activity in 10 European countries. European Journal of Epidemiology, 2012, 27, 15-25.	5.7	185
39	Does the Association of Habitual Physical Activity With the Metabolic Syndrome Differ by Level of Cardiorespiratory Fitness?. Diabetes Care, 2004, 27, 1187-1193.	8.6	180
40	Physical activity levels in three Brazilian birth cohorts as assessed with raw triaxial wrist accelerometry. International Journal of Epidemiology, 2014, 43, 1959-1968.	1.9	178
41	Gaussian Process Robust Regression for Noisy Heart Rate Data. IEEE Transactions on Biomedical Engineering, 2008, 55, 2143-2151.	4.2	177
42	The European Youth Heart Studyâ€"Cardiovascular Disease Risk Factors in Children: Rationale, Aims, Study Design, and Validation of Methods. Journal of Physical Activity and Health, 2005, 2, 115-129.	2.0	173
43	Gene Ã— Physical Activity Interactions in Obesity: Combined Analysis of 111,421 Individuals of European Ancestry. PLoS Genetics, 2013, 9, e1003607.	3.5	168
44	Long-term effects of a Palaeolithic-type diet in obese postmenopausal women: a 2-year randomized trial. European Journal of Clinical Nutrition, 2014, 68, 350-357.	2.9	159
45	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. PLoS Genetics, 2017, 13, e1006528.	3.5	158
46	Wearable-device-measured physical activity and future health risk. Nature Medicine, 2020, 26, 1385-1391.	30.7	157
47	Are Self-report Measures Able to Define Individuals as Physically Active or Inactive?. Medicine and Science in Sports and Exercise, 2016, 48, 235-244.	0.4	152
48	Objectively Measured Moderate- and Vigorous-Intensity Physical Activity but Not Sedentary Time Predicts Insulin Resistance in High-Risk Individuals. Diabetes Care, 2009, 32, 1081-1086.	8.6	150
49	Urbanization, Physical Activity, and Metabolic Health in Sub-Saharan Africa. Diabetes Care, 2011, 34, 491-496.	8.6	150
50	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. Nature Communications, 2017, 8, 16015.	12.8	149
51	Leptin Predicts a Worsening of the Features of the Metabolic Syndrome Independently of Obesity. Obesity, 2005, 13, 1476-1484.	4.0	148
52	Rare variants in single-minded 1 (SIM1) are associated with severe obesity. Journal of Clinical Investigation, 2013, 123, 3042-3050.	8.2	135
53	Comparison of PAEE from Combined and Separate Heart Rate and Movement Models in Children. Medicine and Science in Sports and Exercise, 2005, 37, 1761-1767.	0.4	132
54	Prevalence and correlates of the metabolic syndrome in a population-based sample of European youth. American Journal of Clinical Nutrition, 2009, 89, 90-96.	4.7	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.	2.5	122
56	Heritability of objectively assessed daily physical activity and sedentary behavior. American Journal of Clinical Nutrition, 2013, 98, 1317-1325.	4.7	121
57	Genetic Susceptibility to Obesity and Related Traits in Childhood and Adolescence. Diabetes, 2010, 59, 2980-2988.	0.6	120
58	Sedentary Time and Physical Activity Surveillance Through Accelerometer Pooling in Four European Countries. Sports Medicine, 2017, 47, 1421-1435.	6.5	117
59	Estimation of Free-Living Energy Expenditure by Heart Rate and Movement Sensing: A Doubly-Labelled Water Study. PLoS ONE, 2015, 10, e0137206.	2.5	116
60	PPARGC1A genotype (Gly482Ser) predicts exceptional endurance capacity in European men. Journal of Applied Physiology, 2005, 99, 344-348.	2.5	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.	1.9	114
62	Estimation of Physical Activity Energy Expenditure during Free-Living from Wrist Accelerometry in UK Adults. PLoS ONE, 2016, 11, e0167472.	2.5	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.	4.7	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.	4.0	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.	4.7	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.	4.7	112
67	Physical activity intensity, sedentary time, and body composition in preschoolers. American Journal of Clinical Nutrition, 2013, 97, 1020-1028.	4.7	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.	8.6	107
69	Comparison of two Actigraph models for assessing free-living physical activity in Indian adolescents. Journal of Sports Sciences, 2007, 25, 1607-1611.	2.0	107
70	Seasonal Variation in Childrenâ€™s Physical Activity and Sedentary Time. Medicine and Science in Sports and Exercise, 2016, 48, 449-456.	0.4	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.	0.4	104
72	Ultrasound Measurements of Visceral and Subcutaneous Abdominal Thickness to Predict Abdominal Adiposity Among Older Men and Women. Obesity, 2010, 18, 625-631.	3.0	103

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73	Association of Genetic Loci With Glucose Levels in Childhood and Adolescence. Diabetes, 2011, 60, 1805-1812.	0.6	103
74	Physical activity intensity, bout-duration, and cardiometabolic risk markers in children and adolescents. International Journal of Obesity, 2018, 42, 1639-1650.	3.4	102
75	Effect of combined movement and heart rate monitor placement on physical activity estimates during treadmill locomotion and free-living. European Journal of Applied Physiology, 2006, 96, 517-524.	2.5	98
76	Television Viewing and Incident Cardiovascular Disease: Prospective Associations and Mediation Analysis in the EPIC Norfolk Study. PLoS ONE, 2011, 6, e20058.	2.5	98
77	Muscle strength in youth and cardiovascular risk in young adulthood (the European Youth Heart) Tj ETQq1 1 0.784314 rgBT /Overlock	6.7	97
78	Objectively measured physical activity correlates with indices of insulin resistance in Danish children.. International Journal of Obesity, 2004, 28, 1503-1508.	3.4	94
79	Integration of Physiological and Accelerometer Data to Improve Physical Activity Assessment. Medicine and Science in Sports and Exercise, 2005, 37, S563-S571.	0.4	94
80	Health complaints and sickness absence in Norway, 1996â€“2003. Occupational Medicine, 2007, 57, 43-49.	1.4	94
81	Mechanical and free living comparisons of four generations of the Actigraph activity monitor. International Journal of Behavioral Nutrition and Physical Activity, 2012, 9, 113.	4.6	94
82	The descriptive epidemiology of accelerometer-measured physical activity in older adults. International Journal of Behavioral Nutrition and Physical Activity, 2016, 13, 2.	4.6	94
83	Modeling Physical Activity Outcomes from Wearable Monitors. Medicine and Science in Sports and Exercise, 2012, 44, S50-S60.	0.4	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. Diabetologia, 2010, 53, 624-631.	6.3	91
85	Association between objectively assessed sedentary time and physical activity with metabolic risk factors among people with recently diagnosed type 2 diabetes. Diabetologia, 2014, 57, 73-82.	6.3	88
86	The cross-sectional association between snacking behaviour and measures of adiposity: the Fenland Study, UK. British Journal of Nutrition, 2015, 114, 1286-1293.	2.3	88
87	Computed tomography-based validation of abdominal adiposity measurements from ultrasonography, dual-energy X-ray absorptiometry and anthropometry. British Journal of Nutrition, 2010, 104, 582-588.	2.3	87
88	Use of the prevented fraction for the population to determine deaths averted by existing prevalence of physical activity: a descriptive study. The Lancet Global Health, 2020, 8, e920-e930.	6.3	86
89	Levels and patterns of objectively-measured physical activity volume and intensity distribution in UK adolescents: the ROOTS study. International Journal of Behavioral Nutrition and Physical Activity, 2014, 11, 23.	4.6	85
90	Validity of Electronically Administered Recent Physical Activity Questionnaire (RPAQ) in Ten European Countries. PLoS ONE, 2014, 9, e92829.	2.5	84

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91	Mitochondrial dysfunction in patients with primary congenital insulin resistance. Journal of Clinical Investigation, 2011, 121, 2457-2461.	8.2	83
92	Relationship between Subdomains of Total Physical Activity and Mortality. Medicine and Science in Sports and Exercise, 2008, 40, 1909-1915.	0.4	82
93	A randomised controlled trial of three very brief interventions for physical activity in primary care. BMC Public Health, 2016, 16, 1033.	2.9	81
94	Estimating energy expenditure from wrist and thigh accelerometry in free-living adults: a doubly labelled water study. International Journal of Obesity, 2019, 43, 2333-2342.	3.4	81
95	The gender gap in musculoskeletal-related long term sickness absence in Norway. Scandinavian Journal of Public Health, 1998, 26, 34-43.	0.6	80
96	Development of ICF core set for disability evaluation in social security. Disability and Rehabilitation, 2008, 30, 1392-1396.	1.8	80
97	Comparison of Two Methods to Assess PAEE during Six Activities in Children. Medicine and Science in Sports and Exercise, 2007, 39, 2180-2188.	0.4	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. British Journal of Sports Medicine, 2020, 54, 1488-1497.	6.7	79
99	Reliability and Validity of the Computer Science and Applications Accelerometer in a Mechanical Setting. Measurement in Physical Education and Exercise Science, 2003, 7, 101-119.	1.8	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. Sports Medicine, 2017, 47, 769-780.	6.5	75
101	Impact of physical activity on the risk of cardiovascular disease in middle-aged and older adults: EPIC Norfolk prospective population study. European Journal of Preventive Cardiology, 2018, 25, 200-208.	1.8	75
102	Increase in sickness absence with psychiatric diagnosis in Norway: a general population-based epidemiologic study of age, gender and regional distribution. BMC Medicine, 2006, 4, 19.	5.5	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, 1946â€“2010. American Journal of Epidemiology, 2014, 179, 1197-1207.	3.4	72
104	Dietary cost associated with adherence to the Mediterranean diet, and its variation by socio-economic factors in the UK Fenland Study. British Journal of Nutrition, 2018, 119, 685-694.	2.3	72
105	Differences in psychomotor activity in patients suffering from unipolar and bipolar affective disorder in the remitted or mild/moderate depressive state. Journal of Affective Disorders, 2012, 141, 457-463.	4.1	71
106	Independent and Combined Association of Muscle Strength and Cardiorespiratory Fitness in Youth With Insulin Resistance and Î²-Cell Function in Young Adulthood. Diabetes Care, 2013, 36, 2575-2581.	8.6	71
107	Combined influence of epoch length, cut-point and bout duration on accelerometry-derived physical activity. International Journal of Behavioral Nutrition and Physical Activity, 2014, 11, 34.	4.6	70
108	Physical activity reduces the risk of incident type 2 diabetes in general and in abdominally lean and obese men and women: the EPICâ€“InterAct Study. Diabetologia, 2012, 55, 1944-1952.	6.3	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. International Journal of Obesity, 2015, 39, 142-148.	3.4	68
110	ICPC as a standard classification in Norway. Family Practice, 1996, 13, 391-396.	1.9	66
111	Exercise and Depressive Symptoms in Adolescents. JAMA Pediatrics, 2014, 168, 1093.	6.2	66
112	The combination of cardiorespiratory fitness and muscle strength, and mortality risk. European Journal of Epidemiology, 2018, 33, 953-964.	5.7	64
113	Increasing objectively measured sedentary time increases clustered cardiometabolic risk: a 6Âyear analysis of the ProActive study. Diabetologia, 2014, 57, 305-312.	6.3	63
114	Estimating city-level travel patterns using street imagery: A case study of using Google Street View in Britain. PLoS ONE, 2018, 13, e0196521.	2.5	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. Journal of Nutritional Science, 2019, 8, e29.	1.9	62
116	The association of intensity and overall level of physical activity energy expenditure with a marker of insulin resistance. Diabetologia, 2008, 51, 1399-1407.	6.3	59
117	Does the importance of dietary costs for fruit and vegetable intake vary by socioeconomic position?. British Journal of Nutrition, 2015, 114, 1464-1470.	2.3	59
118	Prevalence of low back pain and sickness absence: A ``borderline'' study in Norway and Sweden. Scandinavian Journal of Public Health, 2006, 34, 555-558.	2.3	58
119	Obesity-susceptibility loci have a limited influence on birth weight: a meta-analysis of up to 28,219 individuals. American Journal of Clinical Nutrition, 2011, 93, 851-860.	4.7	58
120	Rate of weight gain predicts change in physical activity levels: a longitudinal analysis of the EPIC-Norfolk cohort. International Journal of Obesity, 2013, 37, 404-409.	3.4	57
121	Effects of nutritional supplementation for HIV patients starting antiretroviral treatment: randomised controlled trial in Ethiopia. BMJ, The, 2014, 348, g3187-g3187.	6.0	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. International Journal of Epidemiology, 2020, 49, 162-172.	1.9	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. BMC Public Health, 2011, 11, 927.	2.9	56
124	Intakes and sources of dietary sugars and their association with metabolic and inflammatory markers. Clinical Nutrition, 2018, 37, 1313-1322.	5.0	56
125	Prospective Associations of Accelerometer-Measured Physical Activity and Sedentary Time With Incident Cardiovascular Disease, Cancer, and All-Cause Mortality. Circulation, 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. PLoS ONE, 2011, 6, e16125.	2.5	56

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127	Criterion validity of a 10-category scale for ranking physical activity in Norwegian women. International Journal of Behavioral Nutrition and Physical Activity, 2012, 9, 2.	4.6	55
128	Quantifying the physical activity energy expenditure of commuters using a combination of global positioning system and combined heart rate and movement sensors. Preventive Medicine, 2015, 81, 339-344.	3.4	55
129	Common Genetic Determinants of Glucose Homeostasis in Healthy Children. Diabetes, 2009, 58, 2939-2945.	0.6	54
130	Levels of physical activity among a nationally representative sample of people in early old age: results of objective and self-reported assessments. International Journal of Behavioral Nutrition and Physical Activity, 2014, 11, 58.	4.6	54
131	Genomeâ€“wide association study for risk taking propensity indicates shared pathways with body mass index. Communications Biology, 2018, 1, 36.	4.4	54
132	Descriptive epidemiology of physical activity energy expenditure in UK adults (The Fenland study). International Journal of Behavioral Nutrition and Physical Activity, 2019, 16, 126.	4.6	54
133	Work ability assessed by patients and their GPs in new episodes of sickness certification. Family Practice, 2000, 17, 139-144.	1.9	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. American Journal of Clinical Nutrition, 2017, 106, 773-782.	4.7	53
135	Physical Activity Surveillance Through Smartphone Apps and Wearable Trackers: Examining the UK Potential for Nationally Representative Sampling. JMIR MHealth and UHealth, 2019, 7, e11898.	3.7	53
136	Physical activity energy expenditure predicts changes in body composition in middle-aged healthy whites: effect modification by age. American Journal of Clinical Nutrition, 2005, 81, 964-969.	4.7	52
137	Emotional Distress as a Predictor for Low Back Disability. Spine, 2007, 32, 269-274.	2.0	52
138	Revising on the run or studying on the sofa: prospective associations between physical activity, sedentary behaviour, and exam results in British adolescents. International Journal of Behavioral Nutrition and Physical Activity, 2015, 12, 106.	4.6	52
139	Influence of Step Frequency on Movement Intensity Predictions with the CSA Accelerometer: A Field Validation Study in Children. Pediatric Exercise Science, 2003, 15, 277-287.	1.0	51
140	Associations between physical activity and fat mass in adolescents: the Stockholm Weight Development Study1â€“3. American Journal of Clinical Nutrition, 2005, 81, 355-360.	4.7	51
141	Physical activity and sedentary time in relation to academic achievement in children. Journal of Science and Medicine in Sport, 2017, 20, 583-589.	1.3	51
142	Interplay of Socioeconomic Status and Supermarket Distance Is Associated with Excess Obesity Risk: A UK Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2017, 14, 1290.	2.6	51
143	Physical Activity and Mental Well-being in a Cohort Aged 60â€“64 Years. American Journal of Preventive Medicine, 2015, 49, 172-180.	3.0	48
144	Validity of visceral adiposity estimates from DXA against MRI in Kuwaiti men and women. Nutrition and Diabetes, 2017, 7, e238-e238.	3.2	48

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145	Mediation and modification of genetic susceptibility to obesity by eating behaviors. American Journal of Clinical Nutrition, 2017, 106, 996-1004.	4.7	47
146	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. PLoS Medicine, 2020, 17, e1003149.	8.4	47
147	SelfHAR. , 2021, 5, 1-30.		47
148	Objective Sedentary Time, Moderate-to-Vigorous Physical Activity, and Physical Capability in a British Cohort. Medicine and Science in Sports and Exercise, 2016, 48, 421-429.	0.4	46
149	Long-term physical activity: an exogenous risk factor for sporadic amyotrophic lateral sclerosis?. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2016, 17, 377-384.	1.7	46
150	Associations between maternal physical activity in early and late pregnancy and offspring birth size: remote federated individual level metaâ€analysis from eight cohort studies. BJOG: an International Journal of Obstetrics and Gynaecology, 2019, 126, 459-470.	2.3	46
151	Physical Activity, Sedentary Time and Physical Capability in Early Old Age: British Birth Cohort Study. PLoS ONE, 2015, 10, e0126465.	2.5	46
152	Impact of study design on development and evaluation of an activity-type classifier. Journal of Applied Physiology, 2013, 114, 1042-1051.	2.5	45
153	Sedentary Time in Children. Medicine and Science in Sports and Exercise, 2013, 45, 1097-1104.	0.4	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. Lancet Regional Health - Europe, The, 2022, 12, 100265.	5.6	44
155	A randomised comparison of a four- and a five-point scale version of the Norwegian Function Assessment Scale. Health and Quality of Life Outcomes, 2008, 6, 14.	2.4	43
156	Cardiorespiratory fitness and physical activity in Luo, Kamba, and Maasai of rural Kenya. American Journal of Human Biology, 2012, 24, 723-729.	1.6	43
157	Physical activity levels in adults and elderly from triaxial and uniaxial accelerometry. The TromsÃ¸ Study. PLoS ONE, 2019, 14, e0225670.	2.5	43
158	Corticosteroid or placebo injection combined with deep transverse friction massage, Mills manipulation, stretching and eccentric exercise for acute lateral epicondylitis: a randomised, controlled trial. BMC Musculoskeletal Disorders, 2015, 16, 122.	1.9	42
159	The association between adherence to the Mediterranean diet and hepatic steatosis: cross-sectional analysis of two independent studies, the UK Fenland Study and the Swiss CoLaus Study. BMC Medicine, 2019, 17, 19.	5.5	42
160	The Adoption and Spread of a Core-Strengthening Exercise Through an Online Social Network. Journal of Physical Activity and Health, 2014, 11, 648-653.	2.0	41
161	Longitudinal associations of physical activity and sedentary time with cardiometabolic risk factors in children. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 113-123.	2.9	41
162	Challenges and Opportunities for Harmonizing Research Methodology: Raw Accelerometry. Methods of Information in Medicine, 2016, 55, 525-532.	1.2	40

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163	Know Your Heart: Rationale, design and conduct of a cross-sectional study of cardiovascular structure, function and risk factors in 4500 men and women aged 35-69 years from two Russian cities, 2015-18. Wellcome Open Research, 2018, 3, 67.	1.8	40
164	Physical activity levels objectively measured among older adults: a population-based study in a Southern city of Brazil. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 13.	4.6	39
165	Number of days required to estimate physical activity constructs objectively measured in different age groups: Findings from three Brazilian (Pelotas) population-based birth cohorts. PLoS ONE, 2020, 15, e0216017.	2.5	39
166	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study. Cell Reports Medicine, 2022, 3, 100477.	6.5	39
167	Serum carbon and nitrogen stable isotopes as potential biomarkers of dietary intake and their relation with incident type 2 diabetes: the EPIC-Norfolk study. American Journal of Clinical Nutrition, 2014, 100, 708-718.	4.7	38
168	A pragmatic and scalable strategy using mobile technology to promote sustained lifestyle changes to prevent type 2 diabetes in India and the UK: a randomised controlled trial. Diabetologia, 2020, 63, 486-496.	6.3	38
169	Predicting Physical Activity Energy Expenditure Using Accelerometry in Adults From Subâ€Sahara Africa. Obesity, 2009, 17, 1588-1595.	3.0	37
170	Objective Measures of Activity in the Elderly: Distribution and Associations With Demographic and Health Factors. Journal of the American Medical Directors Association, 2017, 18, 838-847.	2.5	37
171	Prospective association between handgrip strength and cardiac structure and function in UK adults. PLoS ONE, 2018, 13, e0193124.	2.5	37
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