

Richard P Troiano

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104
papers

21,541
citations

57
h-index

116
g-index

116
ext. papers

26,443
ext. citations

5.1
avg, IF

6.89
L-index

#	Paper	IF	Citations
104	Physical activity in the United States measured by accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 181-8	1.2	4892
103	The Physical Activity Guidelines for Americans. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 2020-2028	27.4	1769
102	Amount of time spent in sedentary behaviors in the United States, 2003-2004. <i>American Journal of Epidemiology</i> , 2008 , 167, 875-81	3.8	1722
101	World Health Organization 2020 guidelines on physical activity and sedentary behaviour. <i>British Journal of Sports Medicine</i> , 2020 , 54, 1451-1462	10.3	1192
100	Overweight prevalence and trends for children and adolescents. The National Health and Nutrition Examination Surveys, 1963 to 1991. <i>JAMA Pediatrics</i> , 1995 , 149, 1085-91		1076
99	Using intake biomarkers to evaluate the extent of dietary misreporting in a large sample of adults: the OPEN study. <i>American Journal of Epidemiology</i> , 2003 , 158, 1-13	3.8	714
98	Structure of dietary measurement error: results of the OPEN biomarker study. <i>American Journal of Epidemiology</i> , 2003 , 158, 14-21; discussion 22-6	3.8	579
97	Evolution of accelerometer methods for physical activity research. <i>British Journal of Sports Medicine</i> , 2014 , 48, 1019-23	10.3	538
96	Television watching, energy intake, and obesity in US children: results from the third National Health and Nutrition Examination Survey, 1988-1994. <i>JAMA Pediatrics</i> , 2001 , 155, 360-5		508
95	Accelerometer use in physical activity: best practices and research recommendations. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, S582-8	1.2	497
94	Amount of time spent in sedentary behaviors and cause-specific mortality in US adults. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 437-45	7	466
93	Overweight Children and Adolescents: Description, Epidemiology, and Demographics. <i>Pediatrics</i> , 1998 , 101, 497-504	7.4	366
92	The influence of smoking cessation on the prevalence of overweight in the United States. <i>New England Journal of Medicine</i> , 1995 , 333, 1165-70	59.2	360
91	Sedentary activity associated with metabolic syndrome independent of physical activity. <i>Diabetes Care</i> , 2011 , 34, 497-503	14.6	344
90	A comparison of a food frequency questionnaire with a 24-hour recall for use in an epidemiological cohort study: results from the biomarker-based Observing Protein and Energy Nutrition (OPEN) study. <i>International Journal of Epidemiology</i> , 2003 , 32, 1054-62	7.8	316
89	Patterns of health behavior in U.S. adults. <i>Preventive Medicine</i> , 2003 , 36, 615-23	4.3	297
88	Psychosocial predictors of energy underreporting in a large doubly labeled water study. <i>American Journal of Clinical Nutrition</i> , 2004 , 79, 795-804	7	242

87	Levels and patterns of objectively assessed physical activity--a comparison between Sweden and the United States. <i>American Journal of Epidemiology</i> , 2010 , 171, 1055-64	3.8	209
86	Physical Activity in Cancer Prevention and Survival: A Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1252-1261	1.2	198
85	The association between urban form and physical activity in U.S. adults. <i>American Journal of Preventive Medicine</i> , 2002 , 23, 74-9	6.1	189
84	A catalog of rules, variables, and definitions applied to accelerometer data in the National Health and Nutrition Examination Survey, 2003-2006. <i>Preventing Chronic Disease</i> , 2012 , 9, E113	3.7	174
83	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
82	Accelerometer-measured dose-response for physical activity, sedentary time, and mortality in US adults. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 1424-1432	7	169
81	Prevalence and trends in physical activity among older adults in the United States: A comparison across three national surveys. <i>Preventive Medicine</i> , 2016 , 89, 37-43	4.3	164
80	Assessment of physical activity using wearable monitors: recommendations for monitor calibration and use in the field. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, S1-4	1.2	156
79	Sedentary Behavior and Health: Update from the 2018 Physical Activity Guidelines Advisory Committee. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1227-1241	1.2	155
78	Association of Daily Step Count and Step Intensity With Mortality Among US Adults. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 1151-1160	27.4	149
77	Reliability and validity of the Past Year Total Physical Activity Questionnaire. <i>American Journal of Epidemiology</i> , 2006 , 163, 959-70	3.8	148
76	Physical Activity Guidelines for Americans From the US Department of Health and Human Services. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018 , 11, e005263	5.8	131
75	Associations of Relative Handgrip Strength and Cardiovascular Disease Biomarkers in U.S. Adults, 2011-2012. <i>American Journal of Preventive Medicine</i> , 2016 , 50, 677-683	6.1	127
74	Active transportation increases adherence to activity recommendations. <i>American Journal of Preventive Medicine</i> , 2006 , 31, 210-6	6.1	127
73	Comparison of self-reported dietary intakes from the Automated Self-Administered 24-h recall, 4-d food records, and food-frequency questionnaires against recovery biomarkers. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 80-93	7	126
72	A comparison of two dietary instruments for evaluating the fat-breast cancer relationship. <i>International Journal of Epidemiology</i> , 2006 , 35, 1011-21	7.8	124
71	Physical Activity, All-Cause and Cardiovascular Mortality, and Cardiovascular Disease. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1270-1281	1.2	123
70	Self-reported and objectively measured activity related to biomarkers using NHANES. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 815-21	1.2	120

69	Large-scale applications of accelerometers: new frontiers and new questions. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 1501	1.2	117
68	Employment and physical activity in the U.S. <i>American Journal of Preventive Medicine</i> , 2011 , 41, 136-45	6.1	112
67	Accelerometer-based physical activity: total volume per day and standardized measures. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 833-8	1.2	110
66	Stature and pubertal stage assessment in American boys: the 1988-1994 Third National Health and Nutrition Examination Survey. <i>Journal of Adolescent Health</i> , 2002 , 30, 205-12	5.8	110
65	Reported physical activity and sedentary behavior: why do you ask?. <i>Journal of Physical Activity and Health</i> , 2012 , 9 Suppl 1, S68-75	2.5	108
64	A timely meeting: objective measurement of physical activity. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, S487-9	1.2	104
63	Benefits of Physical Activity during Pregnancy and Postpartum: An Umbrella Review. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1292-1302	1.2	104
62	OPEN about obesity: recovery biomarkers, dietary reporting errors and BMI. <i>International Journal of Obesity</i> , 2007 , 31, 956-61	5.5	101
61	Physical activity and acculturation among adult Hispanics in the United States. <i>Research Quarterly for Exercise and Sport</i> , 2006 , 77, 147-57	1.9	94
60	Daily Step Counts for Measuring Physical Activity Exposure and Its Relation to Health. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1206-1212	1.2	93
59	Linking the American Time Use Survey (ATUS) and the Compendium of Physical Activities: methods and rationale. <i>Journal of Physical Activity and Health</i> , 2009 , 6, 347-53	2.5	90
58	Water turnover in 458 American adults 40-79 yr of age. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 286, F394-401	4.3	85
57	The 24-Hour Activity Cycle: A New Paradigm for Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 454-464	1.2	84
56	Comparison of the ActiGraph 7164 and the ActiGraph GT1M during self-paced locomotion. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 971-6	1.2	83
55	Adjustments to improve the estimation of usual dietary intake distributions in the population. <i>Journal of Nutrition</i> , 2004 , 134, 1836-43	4.1	82
54	Moderate-to-Vigorous Physical Activity and All-Cause Mortality: Do Bouts Matter?. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	69
53	The accuracy of the Goldberg method for classifying misreporters of energy intake on a food frequency questionnaire and 24-h recalls: comparison with doubly labeled water. <i>European Journal of Clinical Nutrition</i> , 2012 , 66, 569-76	5.2	66
52	Walking the dog: is pet ownership associated with physical activity in California?. <i>Journal of Physical Activity and Health</i> , 2008 , 5, 216-28	2.5	66

51	Total daily energy expenditure among middle-aged men and women: the OPEN Study. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 382-7	7	63
50	Association between Bout Duration of Physical Activity and Health: Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1213-1219	1.2	63
49	Physical Activity Assessment with the ActiGraph GT3X and Doubly Labeled Water. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1935-1944	1.2	62
48	High-Intensity Interval Training for Cardiometabolic Disease Prevention. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1220-1226	1.2	61
47	Precision of the doubly labeled water method in a large-scale application: evaluation of a streamlined-dosing protocol in the Observing Protein and Energy Nutrition (OPEN) study. <i>European Journal of Clinical Nutrition</i> , 2003 , 57, 1370-7	5.2	57
46	Advancing the global physical activity agenda: recommendations for future research by the 2020 WHO physical activity and sedentary behavior guidelines development group. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020 , 17, 143	8.4	56
45	Measurement of Active and Sedentary Behavior in Context of Large Epidemiologic Studies. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 266-276	1.2	55
44	Weight change and the risk of late-onset breast cancer in the original Framingham cohort. <i>Nutrition and Cancer</i> , 2004 , 49, 7-13	2.8	50
43	Muscular Grip Strength Estimates of the U.S. Population from the National Health and Nutrition Examination Survey 2011-2012. <i>Journal of Strength and Conditioning Research</i> , 2016 , 30, 867-74	3.2	49
42	Assigning metabolic equivalent values to the 2002 census occupational classification system. <i>Journal of Physical Activity and Health</i> , 2011 , 8, 581-6	2.5	47
41	Translating accelerometer counts into energy expenditure: advancing the quest. <i>Journal of Applied Physiology</i> , 2006 , 100, 1107-8	3.7	45
40	Volume of Light Versus Moderate-to-Vigorous Physical Activity: Similar Benefits for All-Cause Mortality?. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	41
39	A measurement error model for physical activity level as measured by a questionnaire with application to the 1999-2006 NHANES questionnaire. <i>American Journal of Epidemiology</i> , 2013 , 177, 1199-208	3.8	40
38	Number of accelerometer monitoring days needed for stable group-level estimates of activity. <i>Physiological Measurement</i> , 2016 , 37, 1447-55	2.9	34
37	Be physically active each day. How can we know?. <i>Journal of Nutrition</i> , 2001 , 131, 451S-460S	4.1	32
36	How can global physical activity surveillance adapt to evolving physical activity guidelines? Needs, challenges and future directions. <i>British Journal of Sports Medicine</i> , 2020 , 54, 1468-1473	10.3	32
35	Summary of the 2000 Surgeon General's listening session: toward a national action plan on overweight and obesity. <i>Obesity</i> , 2002 , 10, 1299-305		30
34	Comparison of estimated renal net acid excretion from dietary intake and body size with urine pH. <i>Journal of the American Dietetic Association</i> , 2003 , 103, 1001-7; discussion 1007		30

33	Strategic Priorities for Physical Activity Surveillance in the United States. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 2057-69	1.2	28
32	Can there be a single best measure of reported physical activity?. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 736-7	7	28
31	Evaluating the impact of population changes in diet, physical activity, and weight status on population risk for colon cancer (United States). <i>Cancer Causes and Control</i> , 2001 , 12, 305-16	2.8	27
30	Relation between holiday weight gain and total energy expenditure among 40- to 69-y-old men and women (OPEN study). <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 726-31	7	26
29	Opportunities for public health to increase physical activity among youths. <i>American Journal of Public Health</i> , 2015 , 105, 421-6	5.1	23
28	Recall of physical activity in the distant past: the 32-year follow-up of the Prospective Population Study of Women in GÖteborg, Sweden. <i>American Journal of Epidemiology</i> , 2004 , 159, 304-7	3.8	23
27	Physical Activity Measures in the Healthy Communities Study. <i>American Journal of Preventive Medicine</i> , 2015 , 49, 653-9	6.1	22
26	Physical inactivity among young people. <i>New England Journal of Medicine</i> , 2002 , 347, 706-7	59.2	18
25	Influence of Accelerometer Calibration Approach on Moderate-Vigorous Physical Activity Estimates for Adults. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2285-2291	1.2	17
24	Physical activity and physical fitness: standardizing assessment with the PhenX Toolkit. <i>American Journal of Preventive Medicine</i> , 2012 , 42, 486-92	6.1	13
23	Promises and pitfalls of emerging measures of physical activity and the environment. <i>American Journal of Preventive Medicine</i> , 2010 , 38, 682-3	6.1	13
22	Reproducibility of Accelerometer and Posture-derived Measures of Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 876-883	1.2	12
21	BMI and mortality: the limits of epidemiological evidence. <i>Lancet, The</i> , 2016 , 388, 734-6	40	11
20	Effect of smoking status on total energy expenditure. <i>Nutrition and Metabolism</i> , 2010 , 7, 81	4.6	10
19	Multiple imputation of completely missing repeated measures data within person from a complex sample: application to accelerometer data in the National Health and Nutrition Examination Survey. <i>Statistics in Medicine</i> , 2016 , 35, 5170-5188	2.3	9
18	Knowledge of energy balance guidelines and associated clinical care practices: the U.S. National Survey of Energy Balance Related Care among Primary Care Physicians. <i>Preventive Medicine</i> , 2012 , 55, 28-33	4.3	8
17	Reproducibility of physical activity recall over fifteen years: longitudinal evidence from the CARDIA study. <i>BMC Public Health</i> , 2013 , 13, 180	4.1	8
16	US Population-referenced Percentiles for Wrist-Worn Accelerometer-derived Activity. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 2455-2464	1.2	8

15	Long-term effects of Hurricane Andrew: revisiting mental health indicators. <i>Disasters</i> , 1995 , 19, 235-46	2.8	7
14	Exploration of Confounding Due to Poor Health in an Accelerometer-Mortality Study. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2546-2553	1.2	7
13	How Many Accelerometer Days are Needed for Stable Population and Individual Weekly Activity Estimates?. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 117-118	1.2	6
12	Estimated Number of Deaths Prevented Through Increased Physical Activity Among US Adults.. <i>JAMA Internal Medicine</i> , 2022 ,	11.5	6
11	Associations of Sedentary Time with Energy Expenditure and Anthropometric Measures. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2575-2583	1.2	6
10	Can socioeconomic health differences be explained by physical activity at work and during leisure time? Rationale and protocol of the active worker individual participant meta-analysis. <i>BMJ Open</i> , 2018 , 8, e023379	3	5
9	Use of population-referenced total activity counts percentiles to assess and classify physical activity of population groups. <i>Preventive Medicine</i> , 2016 , 87, 35-40	4.3	4
8	Sedentary Behavior in U.S. Adults: Fall 2019. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 2512-2519		4
7	Evaluation of long-term community recovery from Hurricane Andrew: sources of assistance received by population sub-groups. <i>Disasters</i> , 1995 , 19, 338-47	2.8	3
6	Within-Person Differences in Physical Activity Measured by Self-Report and Accelerometer in NHANES 2003-2004. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, S203	1.2	3
5	Differences between objective and self-report measures of physical activity. What do they mean?. <i>The Korean Journal of Measurement and Evaluation in Physical Education and Sports Science</i> , 2008 , 10, 31-42	0	1
4	Evaluating Measures of Physical Activity and Sedentary Behavior Suitable for Large Epidemiologic Studies. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 530	1.2	
3	Evaluating the Science for Physical Activity Policy. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1011-1012	1.2	
2	A Measurement Error Model for Physical Activity Level with Application to a Physical Activity Questionnaire. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 809	1.2	
1	Strong Evidence from the 2018 Physical Activity Guidelines Advisory Committee. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 634-635	1.2	