

Richard P Troiano

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

32,250
citations

20759

60
h-index

26548

107
g-index

116
all docs

116
docs citations

116
times ranked

26670
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Activity in the United States Measured by Accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 181-188.	0.2	6,026
2	World Health Organization 2020 guidelines on physical activity and sedentary behaviour. <i>British Journal of Sports Medicine</i> , 2020, 54, 1451-1462.	3.1	4,050
3	The Physical Activity Guidelines for Americans. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 2020.	3.8	3,455
4	Amount of Time Spent in Sedentary Behaviors in the United States, 2003-2004. <i>American Journal of Epidemiology</i> , 2008, 167, 875-881.	1.6	2,093
5	Overweight Prevalence and Trends for Children and Adolescents. <i>JAMA Pediatrics</i> , 1995, 149, 1085.	3.6	1,312
6	Overweight Children and Adolescents: Description, Epidemiology, and Demographics. <i>Pediatrics</i> , 1998, 101, 497-504.	1.0	946
7	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.	1.6	856
8	Evolution of accelerometer methods for physical activity research. <i>British Journal of Sports Medicine</i> , 2014, 48, 1019-1023.	3.1	710
9	Structure of Dietary Measurement Error: Results of the OPEN Biomarker Study. <i>American Journal of Epidemiology</i> , 2003, 158, 14-21.	1.6	704
10	Television Watching, Energy Intake, and Obesity in US Children. <i>JAMA Pediatrics</i> , 2001, 155, 360.	3.6	648
11	Accelerometer Use in Physical Activity: Best Practices and Research Recommendations. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S582-S588.	0.2	603
12	Amount of time spent in sedentary behaviors and cause-specific mortality in US adults. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 437-445.	2.2	542
13	Physical Activity in Cancer Prevention and Survival: A Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1252-1261.	0.2	480
14	The Influence of Smoking Cessation on the Prevalence of Overweight in the United States. <i>New England Journal of Medicine</i> , 1995, 333, 1165-1170.	13.9	432
15	Sedentary Activity Associated With Metabolic Syndrome Independent of Physical Activity. <i>Diabetes Care</i> , 2011, 34, 497-503.	4.3	412
16	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.	3.8	365
17	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, 1054-1062.	0.9	353
18	Patterns of health behavior in U.S. adults. <i>Preventive Medicine</i> , 2003, 36, 615-623.	1.6	347

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19	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.	0.2	311
20	Physical Activity, All-Cause and Cardiovascular Mortality, and Cardiovascular Disease. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1270-1281.	0.2	311
21	Psychosocial predictors of energy underreporting in a large doubly labeled water study. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 795-804.	2.2	280
22	Physical Activity Guidelines for Americans From the US Department of Health and Human Services. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018, 11, e005263.	0.9	249
23	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.	1.6	237
24	Levels and Patterns of Objectively Assessed Physical Activity--A Comparison Between Sweden and the United States. <i>American Journal of Epidemiology</i> , 2010, 171, 1055-1064.	1.6	235
25	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.	2.2	233
26	Benefits of Physical Activity during Pregnancy and Postpartum: An Umbrella Review. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1292-1302.	0.2	229
27	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.	2.2	226
28	Utilization and Harmonization of Adult Accelerometry Data. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2129-2139.	0.2	222
29	A Catalog of Rules, Variables, and Definitions Applied to Accelerometer Data in the National Health and Nutrition Examination Survey, 2003â€“2006. <i>Preventing Chronic Disease</i> , 2012, 9, E113.	1.7	219
30	The association between urban form and physical activity in U.S. adults. <i>American Journal of Preventive Medicine</i> , 2002, 23, 74-79.	1.6	210
31	Associations of Relative Handgrip Strength and Cardiovascular Disease Biomarkers in U.S. Adults, 2011â€“2012. <i>American Journal of Preventive Medicine</i> , 2016, 50, 677-683.	1.6	191
32	Assessment of Physical Activity Using Wearable Monitors. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, S1-S4.	0.2	183
33	The 24-Hour Activity Cycle: A New Paradigm for Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 454-464.	0.2	182
34	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.	0.2	179
35	Reliability and Validity of the Past Year Total Physical Activity Questionnaire. <i>American Journal of Epidemiology</i> , 2006, 163, 959-970.	1.6	169
36	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.	2.0	166

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37	Large-Scale Applications of Accelerometers. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 1501.	0.2	146
38	Association between Bout Duration of Physical Activity and Health: Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1213-1219.	0.2	145
39	Self-Reported and Objectively Measured Activity Related to Biomarkers Using NHANES. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 815-821.	0.2	144
40	A comparison of two dietary instruments for evaluating the fatâ€“breast cancer relationship. <i>International Journal of Epidemiology</i> , 2006, 35, 1011-1021.	0.9	140
41	Active Transportation Increases Adherence to Activity Recommendations. <i>American Journal of Preventive Medicine</i> , 2006, 31, 210-216.	1.6	139
42	Employment and Physical Activity in the U.S.. <i>American Journal of Preventive Medicine</i> , 2011, 41, 136-145.	1.6	135
43	Accelerometer-based Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 833-838.	0.2	135
44	Reported Physical Activity and Sedentary Behavior: Why Do You Ask?. <i>Journal of Physical Activity and Health</i> , 2012, 9, S68-S75.	1.0	129
45	A Timely Meeting: Objective Measurement of Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S487-S489.	0.2	127
46	Stature and pubertal stage assessment in American boys: the 1988â€“1994 Third National Health and Nutrition Examination Survey1 1The full text of this article is available via JAH Online at http://www.elsevier.com/locate/jahonline .. <i>Journal of Adolescent Health</i> , 2002, 30, 205-212.	1.2	121
47	OPEN about obesity: recovery biomarkers, dietary reporting errors and BMI. <i>International Journal of Obesity</i> , 2007, 31, 956-961.	1.6	119
48	High-Intensity Interval Training for Cardiometabolic Disease Prevention. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1220-1226.	0.2	119
49	Water turnover in 458 American adults 40-79 yr of age. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 286, F394-F401.	1.3	105
50	Moderateâ€“toâ€“Vigorous Physical Activity and Allâ€“Cause Mortality: Do Bouts Matter?. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	105
51	Physical Activity and Acculturation Among Adult Hispanics in the United States. <i>Research Quarterly for Exercise and Sport</i> , 2006, 77, 147-157.	0.8	104
52	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, 347-353.	1.0	104
53	Physical Activity Assessment with the ActiGraph GT3X and Doubly Labeled Water. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1935-1944.	0.2	101
54	Adjustments to Improve the Estimation of Usual Dietary Intake Distributions in the Population. <i>Journal of Nutrition</i> , 2004, 134, 1836-1843.	1.3	98

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55	Comparison of the ActiGraph 7164 and the ActiGraph GT1M during Self-Paced Locomotion. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 971-976.	0.2	98
56	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.	0.2	80
57	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, 569-576.	1.3	78
58	Walking the Dog: Is Pet Ownership Associated With Physical Activity in California?. <i>Journal of Physical Activity and Health</i> , 2008, 5, 216-228.	1.0	73
59	Total daily energy expenditure among middle-aged men and women: the OPEN Study. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 382-387.	2.2	72
60	Muscular Grip Strength Estimates of the U.S. Population From the National Health and Nutrition Examination Survey 2011â€“2012. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 867-874.	1.0	69
61	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.	3.1	68
62	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, 1370-1377.	1.3	60
63	Assigning Metabolic Equivalent Values to the 2002 Census Occupational Classification System. <i>Journal of Physical Activity and Health</i> , 2011, 8, 581-586.	1.0	60
64	Weight Change and the Risk of Late-Onset Breast Cancer in the Original Framingham Cohort. <i>Nutrition and Cancer</i> , 2004, 49, 7-13.	0.9	59
65	Volume of Light Versus Moderateâ€“Vigorous Physical Activity: Similar Benefits for Allâ€“Cause Mortality?. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	59
66	Number of accelerometer monitoring days needed for stable group-level estimates of activity. <i>Physiological Measurement</i> , 2016, 37, 1447-1455.	1.2	54
67	Translating accelerometer counts into energy expenditure: advancing the quest. <i>Journal of Applied Physiology</i> , 2006, 100, 1107-1108.	1.2	50
68	Estimated Number of Deaths Prevented Through Increased Physical Activity Among US Adults. <i>JAMA Internal Medicine</i> , 2022, 182, 349.	2.6	50
69	Be Physically Active Each Day. How Can We Know?. <i>Journal of Nutrition</i> , 2001, 131, 451S-460S.	1.3	45
70	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, 1199-1208.	1.6	44
71	Strategic Priorities for Physical Activity Surveillance in the United States. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2057-2069.	0.2	43
72	Summary of the 2000 Surgeon General's Listening Session: Toward a National Action Plan on Overweight and Obesity. <i>Obesity</i> , 2002, 10, 1299-1305.	4.0	38

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73	US Population-referenced Percentiles for Wrist-Worn Accelerometer-derived Activity. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 2455-2464.	0.2	37
74	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, 1001-1007.	1.3	36
75	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, 305-316.	0.8	35
76	Sedentary Behavior in U.S. Adults: Fall 2019. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 2512-2519.	0.2	31
77	Can there be a single best measure of reported physical activity?. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 736-737.	2.2	29
78	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, 726-731.	2.2	29
79	Recall of Physical Activity in the Distant Past: The 32-Year Follow-up of the Prospective Population Study of Women in Goteborg, Sweden. <i>American Journal of Epidemiology</i> , 2004, 159, 304-307.	1.6	28
80	Opportunities for Public Health to Increase Physical Activity Among Youths. <i>American Journal of Public Health</i> , 2015, 105, 421-426.	1.5	27
81	Physical Activity Measures in the Healthy Communities Study. <i>American Journal of Preventive Medicine</i> , 2015, 49, 653-659.	1.6	26
82	Influence of Accelerometer Calibration Approach on Moderate-to-Vigorous Physical Activity Estimates for Adults. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2285-2291.	0.2	26
83	BMI and mortality: the limits of epidemiological evidence. <i>Lancet, The</i> , 2016, 388, 734-736.	6.3	23
84	Physical Inactivity among Young People. <i>New England Journal of Medicine</i> , 2002, 347, 706-707.	13.9	20
85	Reproducibility of Accelerometer and Posture-derived Measures of Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 876-883.	0.2	19
86	Physical Activity and Physical Fitness. <i>American Journal of Preventive Medicine</i> , 2012, 42, 486-492.	1.6	16
87	Measurement Error Affecting Web- and Paper-Based Dietary Assessment Instruments: Insights From the Multi-Cohort Eating and Activity Study for Understanding Reporting Error. <i>American Journal of Epidemiology</i> , 2022, 191, 1125-1139.	1.6	16
88	Promises and Pitfalls of Emerging Measures of Physical Activity and the Environment. <i>American Journal of Preventive Medicine</i> , 2010, 38, 682-683.	1.6	15
89	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.	0.8	15
90	Physical Activity and Total Daily Energy Expenditure in Older US Adults: Constrained versus Additive Models. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 98-105.	0.2	14

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91	Effect of smoking status on total energy expenditure. <i>Nutrition and Metabolism</i> , 2010, 7, 81.	1.3	13
92	Reproducibility of physical activity recall over fifteen years: longitudinal evidence from the CARDIA study. <i>BMC Public Health</i> , 2013, 13, 180.	1.2	11
93	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.	0.8	11
94	Long-term Effects of Hurricane Andrew: Revisiting Mental Health Indicators. <i>Disasters</i> , 1995, 19, 235-246.	1.1	10
95	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.	1.6	10
96	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.	0.2	10
97	Associations of Sedentary Time with Energy Expenditure and Anthropometric Measures. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2575-2583.	0.2	9
98	Evaluation of Long-term Community Recovery from Hurricane Andrew: Sources of Assistance Received by Population Sub-groups. <i>Disasters</i> , 1995, 19, 338-347.	1.1	8
99	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.	0.2	6
100	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.	1.6	5
101	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.	0.2	3
102	Higher 24-h Total Movement Activity Percentile Is Associated with Better Cognitive Performance in U.S. Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 1317-1325.	0.2	3
103	Amount Of Time Spent In Sedentary Behaviors And Cause-specific Mortality In Us Adults. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 28.	0.2	1
104	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.	0.2	1
105	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.	0.2	0
106	Principal Component Analysis of Accelerometer-Assessed Daily Physical Activity and Inactivity Among Adults. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 539.	0.2	0
107	Translating Physical Activity Science into Federal Policy. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 234.	0.2	0
108	Exploration of Novel Parameters of Activity Volume Variability and Associations with Cardiometabolic Biomarkers. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 230.	0.2	0

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109	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.	0.2	0
110	Evaluating the Science for Physical Activity Policy. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1011-1012.	0.2	0
111	Strong Evidence from the 2018 Physical Activity Guidelines Advisory Committee. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 634-635.	0.2	0
112	Associations Between Steps Per Day And Mortality In A Representative Sample Of US Adults. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 448-448.	0.2	0