

# Tiago V Barreira

## List of Publications by Year in descending order

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Version: 2024-02-01

93  
papers

4,426  
citations

126907

33  
h-index

110387

64  
g-index

95  
all docs

95  
docs citations

95  
times ranked

6130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compositional data analysis for physical activity, sedentary time and sleep research. <i>Statistical Methods in Medical Research</i> , 2018, 27, 3726-3738.	1.5	273
2	The International Study of Childhood Obesity, Lifestyle and the Environment (ISCOLE): design and methods. <i>BMC Public Health</i> , 2013, 13, 900.	2.9	264
3	How fast is fast enough? Walking cadence (steps/min) as a practical estimate of intensity in adults: a narrative review. <i>British Journal of Sports Medicine</i> , 2018, 52, 776-788.	6.7	215
4	Correlates of Total Sedentary Time and Screen Time in 9-11 Year-Old Children around the World: The International Study of Childhood Obesity, Lifestyle and the Environment. <i>PLoS ONE</i> , 2015, 10, e0129622.	2.5	211
5	Fully automated waist-worn accelerometer algorithm for detecting children's sleep-period time separate from 24-h physical activity or sedentary behaviors. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 53-57.	1.9	201
6	Effect of Pedometer-Based Physical Activity Interventions. <i>Research Quarterly for Exercise and Sport</i> , 2009, 80, 648-655.	1.4	190
7	Comparison of Step Outputs for Waist and Wrist Accelerometer Attachment Sites. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 839-842.	0.4	176
8	Physical Activity, Sedentary Time, and Obesity in an International Sample of Children. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2062-2069.	0.4	171
9	Improving wear time compliance with a 24-hour waist-worn accelerometer protocol in the International Study of Childhood Obesity, Lifestyle and the Environment (ISCOLE). <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015, 12, 11.	4.6	161
10	Identifying Children's Nocturnal Sleep Using 24-h Waist Accelerometry. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 937-943.	0.4	139
11	Validity and Reliability of Omron Pedometers for Prescribed and Self-Paced Walking. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 670-674.	0.4	134
12	Relationship between lifestyle behaviors and obesity in children ages 9-11: Results from a 12-country study. <i>Obesity</i> , 2015, 23, 1696-1702.	3.0	120
13	Effect of Pedometer-Based Physical Activity Interventions: A Meta-Analysis. <i>Research Quarterly for Exercise and Sport</i> , 2009, 80, 648-655.	1.4	120
14	Walking cadence (steps/min) and intensity in 21-40-year olds: CADENCE-adults. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2019, 16, 8.	4.6	103
15	Impact of accelerometer wear time on physical activity data: a NHANES semisimulation data approach. <i>British Journal of Sports Medicine</i> , 2014, 48, 278-282.	6.7	100
16	How Many Hours Are Enough? Accelerometer Wear Time May Provide Bias in Daily Activity Estimates. <i>Journal of Physical Activity and Health</i> , 2013, 10, 742-749.	2.0	96
17	Anthropometric Correlates of Total Body Fat, Abdominal Adiposity, and Cardiovascular Disease Risk Factors in a Biracial Sample of Men and Women. <i>Mayo Clinic Proceedings</i> , 2012, 87, 452-460.	3.0	92
18	Health-Related Quality of Life and Lifestyle Behavior Clusters in School-Aged Children from 12 Countries. <i>Journal of Pediatrics</i> , 2017, 183, 178-183.e2.	1.8	92

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19	Normative Steps/Day Values for Older Adults: NHANES 2005-2006. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 1426-1432.	3.6	80
20	How Many Days Are Enough? A Study of 365 Days of Pedometer Monitoring. <i>Research Quarterly for Exercise and Sport</i> , 2009, 80, 445-453.	1.4	76
21	Individual Information-Centered Approach for Handling Physical Activity Missing Data. <i>Research Quarterly for Exercise and Sport</i> , 2009, 80, 131-137.	1.4	73
22	Relationship between abdominal fat and bone mineral density in white and African American adults. <i>Bone</i> , 2012, 50, 576-579.	2.9	66
23	Body Adiposity Index, Body Mass Index, and Body Fat in White and Black Adults. <i>JAMA - Journal of the American Medical Association</i> , 2011, 306, 828-30.	7.4	63
24	Sitting time and cardiometabolic risk in US adults: associations by sex, race, socioeconomic status and activity level. <i>British Journal of Sports Medicine</i> , 2014, 48, 213-219.	6.7	53
25	Walking cadence (steps/min) and intensity in 41 to 60-year-old adults: the CADENCE-adults study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 137.	4.6	49
26	The descriptive epidemiology of sitting among US adults, NHANES 2009/2010. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 371-375.	1.3	46
27	Human development index, children's health-related quality of life and movement behaviors: a compositional data analysis. <i>Quality of Life Research</i> , 2018, 27, 1473-1482.	3.1	43
28	Concurrent Associations of Physical Activity and Screen-Based Sedentary Behavior on Obesity Among US Adolescents: A Latent Class Analysis. <i>Journal of Epidemiology</i> , 2016, 26, 137-144.	2.4	41
29	Cadence Patterns and Peak Cadence in US Children and Adolescents. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1721-1727.	0.4	40
30	Comparison of GT3X Accelerometer and YAMAX Pedometer Steps/Day in a Free-Living Sample of Overweight and Obese Adults. <i>Journal of Physical Activity and Health</i> , 2013, 10, 263-270.	2.0	40
31	Free-living activity counts-derived breaks in sedentary time: Are they real transitions from sitting to standing?. <i>Gait and Posture</i> , 2015, 42, 70-72.	1.4	39
32	Moderate-to-Vigorous Physical Activity and Sedentary Behavior: Independent Associations With Body Composition Variables in Brazilian Children. <i>Pediatric Exercise Science</i> , 2015, 27, 380-389.	1.0	38
33	Comparison of Older Adults's Steps per Day Using an NL-1000 Pedometer and Two GT3X+ Accelerometer Filters. <i>Journal of Aging and Physical Activity</i> , 2013, 21, 402-416.	1.0	35
34	Profiling Physical Activity, Diet, Screen and Sleep Habits in Portuguese Children. <i>Nutrients</i> , 2015, 7, 4345-4362.	4.1	35
35	Relationship of anthropometric indices to abdominal and total body fat in youth: Sex and race differences. <i>Obesity</i> , 2014, 22, 1345-1350.	3.0	33
36	Walking cadence (steps/min) and intensity in 61-85-year-old adults: the CADENCE-Adults study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 129.	4.6	32

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37	Measurement Effects of Seasonal and Monthly Variability on Pedometer-Determined Data. <i>Journal of Physical Activity and Health</i> , 2012, 9, 336-343.	2.0	31
38	Preliminary Comparison of Clinical and Free-Living Measures of Stepping Cadence in Older Adults. <i>Journal of Physical Activity and Health</i> , 2013, 10, 1175-1180.	2.0	30
39	Cadence (steps/min) and intensity during ambulation in 6-20-year olds: the CADENCE-kids study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018, 15, 20.	4.6	30
40	The minimum number of days required to establish reliable physical activity estimates in children aged 2-15 years. <i>Physiological Measurement</i> , 2014, 35, 2229-2237.	2.1	29
41	Normative Steps/Day and Peak Cadence Values for United States Children and Adolescents: National Health and Nutrition Examination Survey 2005-2006. <i>Journal of Pediatrics</i> , 2015, 166, 139-143.e3.	1.8	28
42	Intra-individual and inter-individual variability in daily sitting time and MVPA. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 476-481.	1.3	25
43	Sleep characteristics and health-related quality of life in 9- to 11-year-old children from 12 countries. <i>Sleep Health</i> , 2020, 6, 4-14.	2.5	24
44	Socioeconomic status indicators, physical activity, and overweight/obesity in Brazilian children. <i>Revista Paulista De Pediatria (English Edition)</i> , 2016, 34, 162-170.	0.3	21
45	Effects of acute aerobic exercise on arterial stiffness and cerebrovascular pulsatility in adults with and without hypertension. <i>Journal of Hypertension</i> , 2018, 36, 1743-1752.	0.5	21
46	The effects of acute water ingestion on body composition analyses via Dual-Energy X-Ray Absorptiometry. <i>Clinical Nutrition</i> , 2020, 39, 3836-3838.	5.0	20
47	Correlates of Moderate-to-Vigorous Physical Activity in Brazilian Children. <i>Journal of Physical Activity and Health</i> , 2016, 13, 1132-1145.	2.0	19
48	Walking Cadence and Cardiovascular Risk in Children and Adolescents. <i>American Journal of Preventive Medicine</i> , 2013, 45, e27-e34.	3.0	18
49	A model for presenting accelerometer paradata in large studies: ISCOLE. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015, 12, 52.	4.6	18
50	Association Between Television Viewing and Physical Activity in 10-Year-Old Brazilian Children. <i>Journal of Physical Activity and Health</i> , 2015, 12, 1401-1408.	2.0	17
51	Are Children Like Werewolves? Full Moon and Its Association with Sleep and Activity Behaviors in an International Sample of Children. <i>Frontiers in Pediatrics</i> , 2016, 4, 24.	1.9	15
52	Associations of neighborhood social environment attributes and physical activity among 9-11 year old children from 12 countries. <i>Health and Place</i> , 2017, 46, 183-191.	3.3	15
53	Can an automated sleep detection algorithm for waist-worn accelerometry replace sleep logs?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 1027-1032.	1.9	15
54	Brief Report: Physical Activity, Body Mass Index and Arterial Stiffness in Children with Autism Spectrum Disorder: Preliminary Findings. <i>Journal of Autism and Developmental Disorders</i> , 2018, 48, 625-631.	2.7	15

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55	Cardiovascular Health Metrics and Accelerometer-Measured Physical Activity Levels: National Health and Nutrition Examination Survey, 2003-2006. <i>Mayo Clinic Proceedings</i> , 2014, 89, 81-86.	3.0	14
56	Correlates of children's compliance with moderate-to-vigorous physical activity recommendations: a multilevel analysis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 842-851.	2.9	14
57	No evidence for an epidemiological transition in sleep patterns among children: a 12-country study. <i>Sleep Health</i> , 2018, 4, 87-95.	2.5	14
58	Neurovascular coupling during cognitive activity in adults with controlled hypertension. <i>Journal of Applied Physiology</i> , 2018, 125, 1906-1916.	2.5	13
59	Relationships Between Outdoor Time, Physical Activity, Sedentary Time, and Body Mass Index in Children: A 12-Country Study. <i>Pediatric Exercise Science</i> , 2019, 31, 118-129.	1.0	13
60	Physical activity participation among families of children with visual impairments and blindness. <i>Disability and Rehabilitation</i> , 2019, 41, 357-365.	1.8	13
61	Stepping volume and intensity patterns in a multi-ethnic urban Asian population. <i>BMC Public Health</i> , 2018, 18, 539.	2.9	12
62	Normative Peak 30-Min Cadence (Steps per Minute) Values for Older Adults: NHANES 2005-2006. <i>Journal of Aging and Physical Activity</i> , 2019, 27, 625-632.	1.0	12
63	Evaluation of inactive adults' ability to maintain a moderate-intensity walking pace. <i>Journal of Science and Medicine in Sport</i> , 2013, 16, 217-221.	1.3	11
64	Volume and Intensity of Stepping Activity and Cardiometabolic Risk Factors in a Multi-ethnic Asian Population. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 863.	2.6	11
65	Pattern changes in step count accumulation and peak cadence due to a physical activity intervention. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 227-231.	1.3	10
66	Cadence (steps/min) and relative intensity in 21 to 60-year-olds: the CADENCE-adults study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 27.	4.6	10
67	Parents' intentions toward including their children with visual impairments in physical activities. <i>Disability and Rehabilitation</i> , 2020, 42, 667-678.	1.8	9
68	Association between pulsatile blood pressure and cognitive performance among older adults: Insight from the National Health and Nutrition Examination Survey 1999-2002. <i>International Journal of Cardiology</i> , 2016, 223, 981-984.	1.7	8
69	Youth Energy Expenditure During Common Free-Living Activities and Treadmill Walking. <i>Journal of Physical Activity and Health</i> , 2016, 13, S29-S34.	2.0	8
70	Resemblance in physical activity levels: The Portuguese sibling study on growth, fitness, lifestyle, and health. <i>American Journal of Human Biology</i> , 2018, 30, e23061.	1.6	8
71	Accelerometer-Measured Daily Step Counts and Adiposity Indicators among Latin American Adults: A Multi-Country Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4641.	2.6	8
72	A Transparent Method for Step Detection Using an Acceleration Threshold. <i>Journal for the Measurement of Physical Behaviour</i> , 2021, 4, 311-320.	0.8	8

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73	Why are children different in their moderate-to-vigorous physical activity levels? A multilevel analysis. <i>Jornal De Pediatria</i> , 2020, 96, 225-232.	2.0	7
74	The Inverse Association of Muscular Strength with Carotid Intima-media and Extra-media Thickness in Women. <i>International Journal of Sports Medicine</i> , 2021, 42, 419-424.	1.7	7
75	A catalog of validity indices for step counting wearable technologies during treadmill walking: the CADENCE-Kids study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 97.	4.6	7
76	Parents' Beliefs About Physical Activity for Their Children With Visual Impairments. <i>Adapted Physical Activity Quarterly</i> , 2018, 35, 361-380.	0.8	6
77	Worker acceptability of the Pennington Pedal Desk, an occupational workstation alternative. <i>Work</i> , 2018, 60, 499-506.	1.1	6
78	A multi-level analysis of individual- and school-level correlates of physical fitness in children. <i>Annals of Human Biology</i> , 2018, 45, 470-477.	1.0	5
79	Associations of steps per day and peak cadence with arterial stiffness in older adults. <i>Experimental Gerontology</i> , 2022, 157, 111628.	2.8	5
80	Validity of a Novel Algorithm to Detect Bedtime, Wake Time, and Sleep Time in Adults. <i>Journal for the Measurement of Physical Behaviour</i> , 2022, 5, 76-84.	0.8	4
81	Validation of an integrated pedal desk and electronic behavior tracking platform. <i>BMC Research Notes</i> , 2016, 9, 74.	1.4	3
82	The impact of narratives and active video games on long-term moderate-to-vigorous physical activity: A randomized controlled trial protocol. <i>Contemporary Clinical Trials</i> , 2020, 96, 106087.	1.8	3
83	NORMATIVE REFERENCE VALUES FOR ACTIGRAPHY-MEASURED TOTAL NOCTURNAL SLEEP TIME IN THE US POPULATION. <i>American Journal of Epidemiology</i> , 2022, 191, 360-362.	3.4	3
84	Steps per Day and Its Relationship to Energy Expenditures. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 876.	0.4	2
85	Week and Weekend Day Cadence Patterns Long-Term Post-Bariatric Surgery. <i>Obesity Surgery</i> , 2019, 29, 3271-3276.	2.1	2
86	Sex differences in cardiovascular adaptations in recreational marathon runners. <i>European Journal of Applied Physiology</i> , 2021, 121, 3459-3472.	2.5	2
87	Qualidade do Sono Associada ao Nível Habitual de Atividade Física e Sistema Nervoso Autônomo de Fumantes. <i>Arquivos Brasileiros De Cardiologia</i> , 2020, 116, 26-35.	0.8	2
88	Validity of Pedometers to Measure Step Counts During Dance. <i>Journal of Physical Activity and Health</i> , 2015, 12, 1430-1435.	2.0	1
89	Accelerometer-determined peak cadence and weight status in children from São Caetano do Sul, Brazil. <i>Ciencia E Saude Coletiva</i> , 2017, 22, 3689-3698.	0.5	1
90	Why are children different in their moderate-to-vigorous physical activity levels? A multilevel analysis. <i>Jornal De Pediatria (Versão Em Português)</i> , 2020, 96, 225-232.	0.2	1

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91	Size at birth and accelerometer-measured physical activity or sedentary behavior in healthy term-born adults. American Journal of Human Biology, 2022, , e23717.	1.6	1
92	Rollers Versus Trainers: 10-Km Time Trial. International Journal of Exercise Science, 2017, 10, 497-505.	0.5	0
93	Ergogenic Effect of Neuromuscular Electrical Stimulation During Rest and Submaximal Exercise. International Journal of Exercise Science, 2019, 12, 203-313.	0.5	0