Catrine Tudor-Locke

List of Publications by Year in Descending Order

117 papers	11,463 citations	42 h-index	107 g-index
121 ext. papers	13,490 ext. citations	4.6 avg, IF	6.21 L-index

#	Paper	IF	Citations
117	Development of a Cadence-based Metabolic Equation for Walking. *Medicine and Science in Sports and Exercise*, **2021**, 53, 165-173	1.2	1
116	A Transparent Method for Step Detection Using an Acceleration Threshold. *Journal for the Measurement of Physical Behaviour*, **2021**, 4, 311-320	2.3	0
115	Using Cadence to Predict the Walk-to-Run Transition in Children and Adolescents: A Logistic Regression Approach. *Journal of Sports Sciences*, **2021**, 39, 1039-1045	3.6	0
114	A catalog of validity indices for step counting wearable technologies during treadmill walking: the CADENCE-Kids study. *International Journal of Behavioral Nutrition and Physical Activity*, **2021**, 18, 97	8.4	1
113	Older AdultsRDaily Step Counts and Time in Sedentary Behavior and Different Intensities of Physical Activity. *Journal of Epidemiology*, **2021**, 31, 350-355	3.4	4
112	Outdoor Walking Speeds of Apparently Healthy Adults: A Systematic Review and Meta-analysis. *Sports Medicine*, **2021**, 51, 125-141	10.6	10
111	Untapping the Health Enhancing Potential of Vigorous Intermittent Lifestyle Physical Activity (VILPA): Rationale, Scoping Review, and a 4-Pillar Research Framework. *Sports Medicine*, **2021**, 51, 1-10	10.6	7
110	Cadence (steps/min) and relative intensity in 21 to 60-year-olds: the CADENCE-adults study. *International Journal of Behavioral Nutrition and Physical Activity*, **2021**, 18, 27	8.4	3
109	Effect of an office-based intervention on visceral adipose tissue: the WorkACTIVE-P randomized controlled trial. *Applied Physiology, Nutrition and Metabolism*, **2021**, 46, 117-125	3	
108	Walking cadence (steps/min) and intensity in 61-85-year-old adults: the CADENCE-Adults study. *International Journal of Behavioral Nutrition and Physical Activity*, **2021**, 18, 129	8.4	4
107	Breastfeeding and childhood obesity: A 12-country study. *Maternal and Child Nutrition*, **2020**, 16, e12984	3.4	10
106	Toward Harmonized Treadmill-Based Validation of Step-Counting Wearable Technologies: A Scoping Review. *Journal of Physical Activity and Health*, **2020**, 1-13	2.5	10
105	Step-Based Metrics and Overall Physical Activity in Children With Overweight or Obesity: Cross-Sectional Study. *JMIR MHealth and UHealth*, **2020**, 8, e14841	5.5	0
104	Adaptations to exercise in compensators and noncompensators in the E-MECHANIC Trial. *Journal of Applied Physiology*, **2020**, 129, 317-324	3.7	2
103	Walking cadence (steps/min) and intensity in 41 to 60-year-old adults: the CADENCE-adults study. *International Journal of Behavioral Nutrition and Physical Activity*, **2020**, 17, 137	8.4	14
102	Walking cadence (steps/min) and intensity in 21-40 year olds: CADENCE-adults. *International Journal of Behavioral Nutrition and Physical Activity*, **2019**, 16, 8	8.4	56
101	Joint associations between weekday and weekend physical activity or sedentary time and childhood obesity. *International Journal of Obesity*, **2019**, 43, 691-700	5.5	10

100	Effect of different doses of supervised exercise on food intake, metabolism, and non-exercise physical activity: The E-MECHANIC randomized controlled trial. *American Journal of Clinical Nutrition*, **2019**, 110, 583-592	7	38
99	Epidemiological Transition in Physical Activity and Sedentary Time in Children. *Journal of Physical Activity and Health*, **2019**, 16, 518-524	2.5	7
98	International Study of Childhood Obesity, Lifestyle and the Environment (ISCOLE): Contributions to Understanding the Global Obesity Epidemic. *Nutrients*, **2019**, 11,	6.7	24
97	A Case for Promoting Movement Medicine: Preventing Disability in the LIFE Randomized Controlled Trial. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 1821-1827	6.4	8
96	Emotional Eating, Health Behaviours, and Obesity in Children: A 12-Country Cross-Sectional Study. *Nutrients*, **2019**, 11,	6.7	16
95	Cardiometabolic thresholds for peak 30-min cadence and steps/day. *PLoS ONE*, **2019**, 14, e0219933	3.7	6
94	Using Music-Based Cadence Entrainment to Manipulate Walking Intensity. *Journal of Physical Activity and Health*, **2019**, 16, 1039-1046	2.5	5
93	Cadence-based Classification of Minimally Moderate Intensity During Overground Walking in 21- to 40-Year-Old Adults. *Journal of Physical Activity and Health*, **2019**, 16, 1092-1097	2.5	4
92	Steps per Day and Arterial Stiffness. *Hypertension*, **2019**, 73, 350-363	8.5	13
91	Associations between meeting combinations of 24-hour movement recommendations and dietary patterns of children: A 12-country study. *Preventive Medicine*, **2019**, 118, 159-165	4.3	34
90	Energy Expenditure While Using Workstation Alternatives at Self-Selected Intensities. *Journal of Physical Activity and Health*, **2019**, 16, 141-148	2.5	1
89	Relationships Between Outdoor Time, Physical Activity, Sedentary Time, and Body Mass Index in Children: A 12-Country Study. *Pediatric Exercise Science*, **2019**, 31, 118-129	2	8
88	Comparability of published cut-points for the assessment of physical activity: Implications for data harmonization. *Scandinavian Journal of Medicine and Science in Sports*, **2019**, 29, 566-574	4.6	45
87	Maintenance of Physical Function 1 Year After Exercise Intervention in At-Risk Older Adults: Follow-up From the LIFE Study. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 688-694	6.4	16
86	Sleep patterns and sugar-sweetened beverage consumption among children from around the world. *Public Health Nutrition*, **2018**, 21, 2385-2393	3.3	30
85	Outdoor time and dietary patterns in children around the world. *Journal of Public Health*, **2018**, 40, e493-e501	3.5	8
84	Human development index, children's health-related quality of life and movement behaviors: a compositional data analysis. *Quality of Life Research*, **2018**, 27, 1473-1482	3.7	29
83	Physical Education Classes, Physical Activity, and Sedentary Behavior in Children. *Medicine and Science in Sports and Exercise*, **2018**, 50, 995-1004	1.2	33

82	Can an automated sleep detection algorithm for waist-worn accelerometry replace sleep logs?. *Applied Physiology, Nutrition and Metabolism*, **2018**, 43, 1027-1032	3	11
81	Social Participation Modifies the Effect of a Structured Physical Activity Program on Major Mobility Disability Among Older Adults: Results From the LIFE Study. *Journals of Gerontology - Series B Psychological Sciences and Social Sciences*, **2018**, 73, 1501-1513	4.6	11
80	Compositional data analysis for physical activity, sedentary time and sleep research. *Statistical Methods in Medical Research*, **2018**, 27, 3726-3738	2.3	167
79	Evaluating Accelerometry Thresholds for Detecting Changes in Levels of Moderate Physical Activity and Resulting Major Mobility Disability. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 660-667	6.4	8
78	Worker acceptability of the Pennington Pedal Desk occupational workstation alternative. *Work*, **2018**, 60, 499-506	1.6	4
77	Walk with Me: a protocol for a pilot RCT of a peer-led walking programme to increase physical activity in inactive older adults. *Pilot and Feasibility Studies*, **2018**, 4, 117	1.9	4
76	Cadence (steps/min) and intensity during ambulation in 6-20 year olds: the CADENCE-kids study. *International Journal of Behavioral Nutrition and Physical Activity*, **2018**, 15, 20	8.4	24
75	Pilot Study of Impact of a Pedal Desk on Postprandial Responses in Sedentary Workers. *Medicine and Science in Sports and Exercise*, **2018**, 50, 2156-2163	1.2	2
74	No evidence for an epidemiological transition in sleep patterns among children: a 12-country study. *Sleep Health*, **2018**, 4, 87-95	4	10
73	Temporal and bi-directional associations between sleep duration and physical activity/sedentary time in children: An international comparison. *Preventive Medicine*, **2018**, 111, 436-441	4.3	52
72	Lower youth steps/day values observed at both high and low population density areas: a cross-sectional study in metropolitan Tokyo. *BMC Public Health*, **2018**, 18, 1132	4.1	4
71	Changes to gait speed and the walk ratio with rhythmic auditory cuing. *Gait and Posture*, **2018**, 66, 255-259	2.6	11
70	How fast is fast enough? Walking cadence (steps/min) as a practical estimate of intensity in adults: a narrative review. *British Journal of Sports Medicine*, **2018**, 52, 776-788	10.3	126
69	Health-Related Quality of Life and Lifestyle Behavior Clusters in School-Aged Children from 12 Countries. *Journal of Pediatrics*, **2017**, 183, 178-183.e2	3.6	63
68	Step-Based Physical Activity Metrics and Cardiometabolic Risk: NHANES 2005-2006. *Medicine and Science in Sports and Exercise*, **2017**, 49, 283-291	1.2	39
67	Joint association of birth weight and physical activity/sedentary behavior with obesity in children ages 9-11 years from 12 countries. *Obesity*, **2017**, 25, 1091-1097	8	7
66	Associations of neighborhood social environment attributes and physical activity among 9-11 year old children from 12 countries. *Health and Place*, **2017**, 46, 183-191	4.6	13
65	Preserving older adults' routine outdoor activities in contrasting neighborhood environments through a physical activity intervention. *Preventive Medicine*, **2017**, 96, 87-93	4.3	14

64	Imputation of Gait Speed for Noncompleters in the 400-Meter Walk: Application to the Lifestyle Interventions for Elders Study. *Journal of the American Geriatrics Society*, **2017**, 65, 2566-2571	5.6	2
63	Association Between Structured Physical Activity and Sedentary Time in Older Adults. *JAMA - Journal of the American Medical Association*, **2017**, 318, 297-299	27.4	11
62	Device-Measured Physical Activity As a Predictor of Disability in Mobility-Limited Older Adults. *Journal of the American Geriatrics Society*, **2017**, 65, 2251-2256	5.6	19
61	Correlates of compliance with recommended levels of physical activity in children. *Scientific Reports* , **2017**, 7, 16507	4.9	21
60	Socioeconomic status and dietary patterns in children from around the world: different associations by levels of country human development?. *BMC Public Health*, **2017**, 17, 457	4.1	36
59	Dose of physical activity, physical functioning and disability risk in mobility-limited older adults: Results from the LIFE study randomized trial. *PLoS ONE*, **2017**, 12, e0182155	3.7	59
58	Household-level correlates of children's physical activity levels in and across 12 countries. *Obesity*, **2016**, 24, 2150-7	8	13
57	Youth Energy Expenditure During Common Free-Living Activities and Treadmill Walking. *Journal of Physical Activity and Health*, **2016**, 13, S29-34	2.5	8
56	Allometrically Scaled Children's Clinical and Free-Living Ambulatory Behavior. *Medicine and Science in Sports and Exercise*, **2016**, 48, 2407-2416	1.2	3
55	Pedometer-determined physical activity among youth in the Tokyo Metropolitan area: a cross-sectional study. *BMC Public Health*, **2016**, 16, 1104	4.1	12
54	Proportion of children meeting recommendations for 24-hour movement guidelines and associations with adiposity in a 12-country study. *International Journal of Behavioral Nutrition and Physical Activity*, **2016**, 13, 123	8.4	144
53	Validation of an integrated pedal desk and electronic behavior tracking platform. *BMC Research Notes*, **2016**, 9, 74	2.3	3
52	Are Children Like Werewolves? Full Moon and Its Association with Sleep and Activity Behaviors in an International Sample of Children. *Frontiers in Pediatrics*, **2016**, 4, 24	3.4	14
51	Relationship between Soft Drink Consumption and Obesity in 9-11 Years Old Children in a Multi-National Study. *Nutrients*, **2016**, 8,	6.7	26
50	Relationships between Parental Education and Overweight with Childhood Overweight and Physical Activity in 9-11 Year Old Children: Results from a 12-Country Study. *PLoS ONE*, **2016**, 11, e0147746	3.7	62
49	CANPLAY study: Secular trends in steps/day amongst 5-19year-old Canadians between 2005 and 2014. *Preventive Medicine*, **2016**, 86, 28-33	4.3	18
48	Maternal gestational diabetes and childhood obesity at age 9-11: results of a multinational study. *Diabetologia*, **2016**, 59, 2339-2348	10.3	66
47	Improving wear time compliance with a 24-hour waist-worn accelerometer protocol in the International Study of Childhood Obesity, Lifestyle and the Environment (ISCOLE). *International Journal of Behavioral Nutrition and Physical Activity*, **2015**, 12, 11	8.4	141

46	Comparison of step outputs for waist and wrist accelerometer attachment sites. *Medicine and Science in Sports and Exercise*, **2015**, 47, 839-42	1.2	132
45	Identifying children's nocturnal sleep using 24-h waist accelerometry. *Medicine and Science in Sports and Exercise*, **2015**, 47, 937-43	1.2	121
44	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. *PLoS ONE*, **2015**, 10, e0129622	3.7	158
43	Normative steps/day and peak cadence values for united states children and adolescents: National Health and Nutrition Examination Survey 2005-2006. *Journal of Pediatrics*, **2015**, 166, 139-43	3.6	22
42	Relationship between lifestyle behaviors and obesity in children ages 9-11: Results from a 12-country study. *Obesity*, **2015**, 23, 1696-702	8	97
41	Markers of adiposity among children and adolescents: implications of the isotemporal substitution paradigm with sedentary behavior and physical activity patterns. *Journal of Diabetes and Metabolic Disorders*, **2015**, 14, 46	2.5	32
40	Physical Activity, Sedentary Time, and Obesity in an International Sample of Children. *Medicine and Science in Sports and Exercise*, **2015**, 47, 2062-9	1.2	130
39	Weight-activity associations with cardiometabolic risk factors among U.S. youth. *Physiology and Behavior*, **2015**, 149, 165-8	3.5	1
38	A model for presenting accelerometer paradata in large studies: ISCOLE. *International Journal of Behavioral Nutrition and Physical Activity*, **2015**, 12, 52	8.4	13
37	Examination of mechanisms (E-MECHANIC) of exercise-induced weight compensation: study protocol for a randomized controlled trial. *Trials*, **2014**, 15, 212	2.8	19
36	Implementation and adherence issues in a workplace treadmill desk intervention. *Applied Physiology, Nutrition and Metabolism*, **2014**, 39, 1104-11	3	20
35	Fully automated waist-worn accelerometer algorithm for detecting children's sleep-period time separate from 24-h physical activity or sedentary behaviors. *Applied Physiology, Nutrition and Metabolism*, **2014**, 39, 53-7	3	164
34	Evaluation of a workplace treadmill desk intervention: a randomized controlled trial. *Journal of Occupational and Environmental Medicine*, **2014**, 56, 1266-76	2	28
33	Parent-targeted mobile phone intervention to increase physical activity in sedentary children: randomized pilot trial. *JMIR MHealth and UHealth*, **2014**, 2, e48	5.5	23
32	Walking cadence and cardiovascular risk in children and adolescents: NHANES, 2005-2006. *American Journal of Preventive Medicine*, **2013**, 45, e27-34	6.1	15
31	Normative steps/day values for older adults: NHANES 2005-2006. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 1426-32	6.4	64
30	The International Study of Childhood Obesity, Lifestyle and the Environment (ISCOLE): design and methods. *BMC Public Health*, **2013**, 13, 900	4.1	217
29	A step-defined sedentary lifestyle index: . *Applied Physiology, Nutrition and Metabolism*, **2013**, 38, 100-143		201

28	CANPLAY pedometer normative reference data for 21,271 children and 12,956 adolescents. *Medicine and Science in Sports and Exercise*, **2013**, 45, 123-9	1.2	40
27	Peak stepping cadence in free-living adults: 2005-2006 NHANES. *Journal of Physical Activity and Health*, **2012**, 9, 1125-9	2.5	57
26	A steps/minute value for moderate intensity physical activity in adolescent females. *Pediatric Exercise Science*, **2012**, 24, 399-408	2	16
25	Using cadence to study free-living ambulatory behaviour. *Sports Medicine*, **2012**, 42, 381-98	10.6	112
24	Cadence patterns and peak cadence in US children and adolescents: NHANES, 2005-2006. *Medicine and Science in Sports and Exercise*, **2012**, 44, 1721-7	1.2	34
23	Trends over 5 decades in U.S. occupation-related physical activity and their associations with obesity. *PLoS ONE*, **2011**, 6, e19657	3.7	735
22	Time spent in physical activity and sedentary behaviors on the working day: the American time use survey. *Journal of Occupational and Environmental Medicine*, **2011**, 53, 1382-7	2	85
21	U.S. population profile of time-stamped accelerometer outputs: impact of wear time. *Journal of Physical Activity and Health*, **2011**, 8, 693-8	2.5	45
20	Patterns of adult stepping cadence in the 2005-2006 NHANES. *Preventive Medicine*, **2011**, 53, 178-81	4.3	111
19	How many steps/day are enough? For adults. *International Journal of Behavioral Nutrition and Physical Activity*, **2011**, 8, 79	8.4	533
18	Canadian children's and youth's pedometer-determined steps/day, parent-reported TV watching time, and overweight/obesity: the CANPLAY Surveillance Study. *International Journal of Behavioral Nutrition and Physical Activity*, **2011**, 8, 66	8.4	35
17	How many steps/day are enough? for children and adolescents. *International Journal of Behavioral Nutrition and Physical Activity*, **2011**, 8, 78	8.4	259
16	Time trends for step-determined physical activity among Japanese adults. *Medicine and Science in Sports and Exercise*, **2011**, 43, 1913-9	1.2	60
15	2011 Compendium of Physical Activities: a second update of codes and MET values. *Medicine and Science in Sports and Exercise*, **2011**, 43, 1575-81	1.2	3293
14	Descriptive epidemiology of youth pedometer-determined physical activity: CANPLAY. *Medicine and Science in Sports and Exercise*, **2010**, 42, 1639-43	1.2	50
13	Process and treatment of pedometer data collection for youth: the Canadian Physical Activity Levels among Youth study. *Medicine and Science in Sports and Exercise*, **2010**, 42, 430-5	1.2	66
12	Objective monitoring of physical activity in children: considerations for instrument selection. *Journal of Science and Medicine in Sport*, **2009**, 12, 526-33	4.4	56
11	Non-response bias in physical activity trend estimates. *BMC Public Health*, **2009**, 9, 425	4.1	7

10	Expected values for pedometer-determined physical activity in youth. *Research Quarterly for Exercise and Sport*, **2009**, 80, 164-74	1.9	84
9	A systematic review of studies using pedometers to promote physical activity among youth. *Preventive Medicine*, **2009**, 48, 307-15	4.3	148
8	Why do pedometers work?: a reflection upon the factors related to successfully increasing physical activity. *Sports Medicine*, **2009**, 39, 981-93	10.6	139
7	Participation by US adults in sports, exercise, and recreational physical activities. *Journal of Physical Activity and Health*, **2009**, 6, 6-14	2.5	97
6	Walking behaviors reported in the American Time Use Survey 2003-2005. *Journal of Physical Activity and Health*, **2008**, 5, 633-47	2.5	33
5	Revisiting "how many steps are enough?". *Medicine and Science in Sports and Exercise*, **2008**, 40, S537-43	1.2	301
4	Pedometer-determined step count guidelines for classifying walking intensity in a young ostensibly healthy population. *Applied Physiology, Nutrition, and Metabolism*, **2005**, 30, 666-76		180
3	Utility of pedometers for assessing physical activity: construct validity. *Sports Medicine*, **2004**, 34, 281-91	10.6	128
2	How many steps/day are enough? Preliminary pedometer indices for public health. *Sports Medicine*, **2004**, 34, 1-8	10.6	1255
1	Utility of pedometers for assessing physical activity: convergent validity. *Sports Medicine*, **2002**, 32, 795-808	10.6	357