Scott E Crouter

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Validity of 10 Electronic Pedometers for Measuring Steps, Distance, and Energy Cost. Medicine and Science in Sports and Exercise, 2003, 35, 1455-1460.	0.4	697
2	Pedometer Measures of Free-Living Physical Activity: Comparison of 13 Models. Medicine and Science in Sports and Exercise, 2004, 36, 331-335.	0.4	594
3	Accuracy and Reliability of 10 Pedometers for Measuring Steps over a 400-m Walk. Medicine and Science in Sports and Exercise, 2003, 35, 1779-1784.	0.4	512
4	Walking, Cycling, and Obesity Rates in Europe, North America, and Australia. Journal of Physical Activity and Health, 2008, 5, 795-814.	2.0	466
5	A novel method for using accelerometer data to predict energy expenditure. Journal of Applied Physiology, 2006, 100, 1324-1331.	2.5	372
6	Estimating energy expenditure using accelerometers. European Journal of Applied Physiology, 2006, 98, 601-612.	2.5	316
7	An artificial neural network to estimate physical activity energy expenditure and identify physical activity type from an accelerometer. Journal of Applied Physiology, 2009, 107, 1300-1307.	2.5	306
8	Step Counting: A Review of Measurement Considerations and Health-Related Applications. Sports Medicine, 2017, 47, 1303-1315.	6.5	291
9	Spring-Levered versus Piezo-Electric Pedometer Accuracy in Overweight and Obese Adults. Medicine and Science in Sports and Exercise, 2005, 37, 1673-1679.	0.4	248
10	A Youth Compendium of Physical Activities. Medicine and Science in Sports and Exercise, 2018, 50, 246-256.	0.4	215
11	Accuracy and reliability of the ParvoMedics TrueOne 2400 and MedGraphics VO2000 metabolic systems. European Journal of Applied Physiology, 2006, 98, 139-151.	2.5	188
12	Accuracy of the Actiheart for the assessment of energy expenditure in adults. European Journal of Clinical Nutrition, 2008, 62, 704-711.	2.9	174
13	Results From the United States of America's 2016 Report Card on Physical Activity for Children and Youth. Journal of Physical Activity and Health, 2016, 13, S307-S313.	2.0	151
14	Refined Two-Regression Model for the ActiGraph Accelerometer. Medicine and Science in Sports and Exercise, 2010, 42, 1029-1037.	0.4	138
15	Comparison of two waist-mounted and two ankle-mounted electronic pedometers. European Journal of Applied Physiology, 2005, 95, 335-343.	2.5	119
16	Estimating Physical Activity in Youth Using a Wrist Accelerometer. Medicine and Science in Sports and Exercise, 2015, 47, 944-951.	0.4	105
17	Accuracy of Polar S410 Heart Rate Monitor to Estimate Energy Cost of Exercise. Medicine and Science in Sports and Exercise, 2004, 36, 1433-1439.	0.4	100
18	Results from the United States 2018 Report Card on Physical Activity for Children and Youth. Journal of Physical Activity and Health, 2018, 15, S422-S424.	2.0	94

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19	Validity of ActiGraph 2-Regression Model, Matthews Cut-Points, and NHANES Cut-Points for Assessing Free-Living Physical Activity. Journal of Physical Activity and Health, 2013, 10, 504-514.	2.0	74
20	Results from the United States' 2014 Report Card on Physical Activity for Children and Youth. Journal of Physical Activity and Health, 2014, 11, S105-S112.	2.0	72
21	Use of a Two-Regression Model for Estimating Energy Expenditure in Children. Medicine and Science in Sports and Exercise, 2012, 44, 1177-1185.	0.4	64
22	A new 2-regression model for the Actical accelerometer. British Journal of Sports Medicine, 2008, 42, 217-224.	6.7	63
23	Validity of ActiGraph Child-Specific Equations during Various Physical Activities. Medicine and Science in Sports and Exercise, 2013, 45, 1403-1409.	0.4	51
24	Validity of the Actical for estimating free-living physical activity. European Journal of Applied Physiology, 2011, 111, 1381-1389.	2.5	47
25	Exploring Metrics to Express Energy Expenditure of Physical Activity in Youth. PLoS ONE, 2015, 10, e0130869.	2.5	44
26	Gender and Age Differences in Levels, Types and Locations of Physical Activity among Older Adults Living in Car-Dependent Neighborhoods. Journal of Frailty & Aging,the, 2017, 6, 129-135.	1.3	40
27	Lifestyle Behaviors in Metabolically Healthy and Unhealthy Overweight and Obese Women: A Preliminary Study. PLoS ONE, 2015, 10, e0138548.	2.5	37
28	Portable open-circuit spirometry systems. Journal of Sports Medicine and Physical Fitness, 2017, 57, 227-237.	0.7	37
29	Estimating Energy Expenditure with ActiGraph GT9X Inertial Measurement Unit. Medicine and Science in Sports and Exercise, 2018, 50, 1093-1102.	0.4	33
30	Domain agnostic online semantic segmentation for multi-dimensional time series. Data Mining and Knowledge Discovery, 2019, 33, 96-130.	3.7	33
31	Effect of ActiGraph's low frequency extension for estimating steps and physical activity intensity. PLoS ONE, 2017, 12, e0188242.	2.5	29
32	Accuracy of Consumer Monitors for Estimating Energy Expenditure and Activity Type. Medicine and Science in Sports and Exercise, 2017, 49, 371-377.	0.4	28
33	Sleep, energy balance, and meal timing in school-aged children. Sleep Medicine, 2019, 60, 139-144.	1.6	28
34	A Randomized Trial Comparing Cardiac Rehabilitation to Standard of Care for Adults With Congenital Heart Disease. World Journal for Pediatric & Congenital Heart Surgery, 2018, 9, 185-193.	0.8	26
35	Accuracy of the Cosmed K5 portable calorimeter. PLoS ONE, 2019, 14, e0226290.	2.5	25
36	Relationship between physical activity, physical performance, and iron status in adult women. Applied Physiology, Nutrition and Metabolism, 2012, 37, 697-705.	1.9	24

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37	Comparisons of prediction equations for estimating energy expenditure in youth. Journal of Science and Medicine in Sport, 2016, 19, 35-40.	1.3	22
38	Matrix Profile XIII: Time Series Snippets: A New Primitive for Time Series Data Mining. , 2018, , .		21
39	Comparison of incremental treadmill exercise and free range running. Medicine and Science in Sports and Exercise, 2001, 33, 644-647.	0.4	19
40	Validity of estimating minute-by-minute energy expenditure of continuous walking bouts by accelerometry. International Journal of Behavioral Nutrition and Physical Activity, 2011, 8, 92.	4.6	19
41	Activity recognition and intensity estimation in youth from accelerometer data aided by machine learning. Applied Intelligence, 2016, 45, 512-529.	5.3	18
42	Estimating physical activity in youth using an ankle accelerometer. Journal of Sports Sciences, 2018, 36, 2265-2271.	2.0	18
43	The effect of body placement site on ActiGraph wGT3X-BT activity counts. Biomedical Physics and Engineering Express, 2017, 3, 035026.	1.2	17
44	Protective role of physical activity on type 2 diabetes: <scp>A</scp> nalysis of effect modification by race–ethnicity. Journal of Diabetes, 2018, 10, 166-178.	1.8	16
45	Effects of Workloads and Cadences on Frontal Plane Knee Biomechanics in Cycling. Medicine and Science in Sports and Exercise, 2016, 48, 260-266.	0.4	15
46	Effect on Physical Activity of a Randomized Afterschool Intervention for Inner City Children in 3rd to 5th Grade. PLoS ONE, 2015, 10, e0141584.	2.5	13
47	Effects of an afterschool community center physical activity program on fitness and body composition in obese youth. Journal of Sports Sciences, 2017, 35, 1034-1040.	2.0	13
48	Feasibility and acceptability of "healthy directions―a lifestyle intervention for adults with lung cancer. Psycho-Oncology, 2018, 27, 250-257.	2.3	13
49	Associations between Walk Score and objective measures of physical activity in urban overweight and obsee women. PLoS ONE, 2019, 14, e0214092.	2.5	13
50	Exploring the Paradoxical Relationship of a Creb 3 Regulatory Factor Missense Variant With Body Mass Index and Diabetes Among Samoans: Protocol for the Soifua Manuia (Good Health) Observational Cohort Study. JMIR Research Protocols, 2020, 9, e17329.	1.0	13
51	Development and Validation of the Online Self-Reported Walking and Exercise Questionnaire (OSWEQ). Journal of Physical Activity and Health, 2013, 10, 1091-1101.	2.0	10
52	Use of consumer monitors for estimating energy expenditure in youth. Applied Physiology, Nutrition and Metabolism, 2020, 45, 161-168.	1.9	10
53	Effects of Brief Intermittent Walking Bouts on Step Count Accuracy of Wearable Devices. Journal for the Measurement of Physical Behaviour, 2019, 2, 13-21.	0.8	10
54	Descriptive analysis of resistance exercise and metabolic syndrome. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2012, 6, 42-47.	3.6	9

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55	Bipart: Learning Block Structure for Activity Detection. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2397-2409.	5.7	9
56	StepWatch accuracy during walking, running, and intermittent activities. Gait and Posture, 2017, 52, 165-170.	1.4	9
57	Energy Cost Expression for a Youth Compendium of Physical Activities: Rationale for Using Age Groups. Pediatric Exercise Science, 2018, 30, 142-149.	1.0	8
58	Knee biomechanics of patients with total knee replacement during downhill walking on different slopes. Journal of Sport and Health Science, 2022, 11, 50-57.	6.5	8
59	Utility of the Youth Compendium of Physical Activities. Research Quarterly for Exercise and Sport, 2018, 89, 273-281.	1.4	7
60	Introducing time series snippets: a new primitive for summarizing long time series. Data Mining and Knowledge Discovery, 2020, 34, 1713-1743.	3.7	7
61	Modifying Accelerometer Cut-Points Affects Criterion Validity in Simulated Free-Living for Adolescents and Adults. Research Quarterly for Exercise and Sport, 2020, 91, 514-524.	1.4	7
62	Free-Living Validation and Harmonization of 10 Wearable Step Count Monitors. Translational Journal of the American College of Sports Medicine, 2021, 6, .	0.6	7
63	Racial Differences in Neighborhood Perceptions and their Influences on Physical Activity among Urban Older Women. AIMS Public Health, 2017, 4, 149-170.	2.6	7
64	Use Of A 2-regression Model For Estimating Energy Expenditure In Children. Medicine and Science in Sports and Exercise, 2011, 43, 134.	0.4	6
65	Challenges and opportunities related to the objective assessment of physical activity within U.S. health surveys. Annals of Epidemiology, 2020, 43, 1-10.	1.9	6
66	Community health worker-delivered weight management intervention among public housing residents: A feasibility study. Preventive Medicine Reports, 2021, 22, 101360.	1.8	6
67	Youth Metabolic Equivalents Differ Depending on Operational Definitions. Medicine and Science in Sports and Exercise, 2020, 52, 1846-1853.	0.4	6
68	Validity of a Multi-Sensor Armband for Estimating Energy Expenditure during Eighteen Different Activities. Journal of Obesity & Weight Loss Therapy, 2012, 02, .	0.1	5
69	Knee biomechanics of selected knee-unfriendly movement elements in 42-form Tai Chi. International Journal of Performance Analysis in Sport, 2018, 18, 1050-1066.	1.1	5
70	Leisure-time aerobic physical activity and the risk of diabetes-related mortality: An analysis of effect modification by race-ethnicity. Journal of Diabetes and Its Complications, 2021, 35, 107763.	2.3	5
71	Mitigating Class-Boundary Label Uncertainty to Reduce Both Model Bias and Variance. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-18.	3.5	5
72	Review of Worksite Weight Management Programs. Workplace Health and Safety, 2014, 62, 122-126.	1.4	5

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73	Effects of Knee Alignments and Toe Clip on Frontal Plane Knee Biomechanics in Cycling. Journal of Sports Science and Medicine, 2018, 17, 312-321.	1.6	5
74	Alternative Wear-Time Estimation Methods Compared to Traditional Diary Logs for Wrist-Worn ActiGraph Accelerometers in Pregnant Women. Journal for the Measurement of Physical Behaviour, 2020, 3, 110-117.	0.8	4
75	Evaluating the Performance of Sensor-Based Bout Detection Algorithms: The Transition Pairing Method. Journal for the Measurement of Physical Behaviour, 2020, 3, 219-227.	0.8	4
76	Effects of television on enjoyment of exercise in college students. International Journal of Sport and Exercise Psychology, 2018, 16, 657-669.	2.1	3
77	Use of Objective Measures to Estimate Sedentary Time in Youth. Journal for the Measurement of Physical Behaviour, 2018, 1, 136-142.	0.8	3
78	Application of the ActiGraph GT9X IMU for the assessment of turning during walking and running. Biomedical Physics and Engineering Express, 2018, 4, 065003.	1.2	3
79	Determining dayâ€toâ€day human variation in indirect calorimetry using Bayesian decision theory. Experimental Physiology, 2018, 103, 1579-1585.	2.0	3
80	Effect of Monitor Placement on the Daily Step Counts of Wrist and Hip Activity Monitors. Journal for the Measurement of Physical Behaviour, 2020, 3, 164-169.	0.8	3
81	Relationship between Iron Deficiency, Physical Activity, and BMI in US Women; NHANES 99â€02. FASEB Journal, 2007, 21, A1117.	0.5	3
82	Dominant vs. Non-Dominant Wrist Placement of Activity Monitors: Impact on Steps per Day. Journal for the Measurement of Physical Behaviour, 2019, 2, 118-123.	0.8	3
83	Knee Biomechanics of Selected Knee Unfriendly Movement Elements in 42-Form Tai Ji. Medicine and Science in Sports and Exercise, 2015, 47, 85.	0.4	2
84	Rationale and protocol for translating basic habituation research into family-based childhood obesity treatment: Families becoming healthy together study. Contemporary Clinical Trials, 2020, 98, 106153.	1.8	2
85	Validity of Estimating Minute-By-Minute Energy Expenditure with Accelerometry. Medicine and Science in Sports and Exercise, 2008, 40, S415.	0.4	2
86	Mobile health plus community health worker support for weight management among public housing residents (Path to Health): A randomized controlled trial protocol. Contemporary Clinical Trials, 2022, , 106836.	1.8	2
87	Effects of Workload on Frontal Plane Knee Biomecahnics during Cycling. Medicine and Science in Sports and Exercise, 2015, 47, 87.	0.4	1
88	Validity of Self-Reported Pedometer Steps per Day in College Students. Measurement in Physical Education and Exercise Science, 2016, 20, 140-145.	1.8	1
89	Effects of Changing ActiGraph Bandpass Filter Width For Detecting Walking and Running. Medicine and Science in Sports and Exercise, 2016, 48, 546-547.	0.4	1
90	Effect of Wear Location on ActiGraph Activity Counts. Medicine and Science in Sports and Exercise, 2017, 49, 643-644.	0.4	1

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91	The Effects of Varying Structured Physical Activity Duration on Young Children's and Parents' Activity Levels. Research Quarterly for Exercise and Sport, 2019, 90, 578-588.	1.4	1
92	Accuracy Of The Polar S410 Heart Rate Monitor For Estimating The Energy Cost of Exercise. Medicine and Science in Sports and Exercise, 2004, 36, S249.	0.4	1
93	Accuracy Of Pedometers For Measuring Steps In Overweight And Obese Individuals. Medicine and Science in Sports and Exercise, 2005, 37, S23-S24.	0.4	1
94	Validity Of Accelerometry During Free-living Activity. Medicine and Science in Sports and Exercise, 2009, 41, 173.	0.4	1
95	Development Of Wrist And Ankle Cut-points For Youth With The Actigraph Accelerometer. Medicine and Science in Sports and Exercise, 2014, 46, 508.	0.4	1
96	Validity of Accelerometry for Estimating Free-Living Physical Activity. Medicine and Science in Sports and Exercise, 2010, 42, 118.	0.4	0
97	Validity of ActiGraph Prediction Equations for Estimating Energy Expenditure in Children. Medicine and Science in Sports and Exercise, 2011, 43, 698-699.	0.4	0
98	Validity of Actical Accelerometer Algorithms for Estimating Energy Expenditure in Children. Medicine and Science in Sports and Exercise, 2011, 43, 699-700.	0.4	0
99	Review Of Portable Indirect Calorimetry Devices. Medicine and Science in Sports and Exercise, 2014, 46, 295-296.	0.4	0
100	Step.Min-1 Cut-points Based On Walking Do Not Predict Intensity Of Non-walking Activities. Medicine and Science in Sports and Exercise, 2015, 47, 113.	0.4	0
101	Use Of Hourly Walking Breaks To Increase Physical Activity And Improve Cardiometabolic Risk Factors. Medicine and Science in Sports and Exercise, 2015, 47, 402.	0.4	0
102	Association Between Parent's Perception Of Weight And Behavior Change And Activity In Puerto Rican Children. Medicine and Science in Sports and Exercise, 2015, 47, 830-831.	0.4	0
103	Accuracy Of The Sensewear Armband Mini-fly For Estimating Energy Expenditure Across Bmi Categories. Medicine and Science in Sports and Exercise, 2015, 47, 14.	0.4	0
104	Use of Hourly Walking Breaks to Increase Daily Walking Among Inactive Office Workers. Medicine and Science in Sports and Exercise, 2015, 47, 399.	0.4	0
105	Effects Of Television Viewing On Enjoyment Of Exercise In College Students. Medicine and Science in Sports and Exercise, 2015, 47, 738.	0.4	0
106	3214. Medicine and Science in Sports and Exercise, 2015, 47, 856.	0.4	0
107	Validity of Self-Reported Pedometer Steps Per Day in College Students. Medicine and Science in Sports and Exercise, 2016, 48, 327-328.	0.4	0
108	Physical Activity of Parents and Children Playing Together and the Effects of Varying Structured Activity. Medicine and Science in Sports and Exercise, 2017, 49, 225.	0.4	0

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109	Family Factors Associated with Physical Activity and Sedentary Time in Children Living in Puerto Rico. Medicine and Science in Sports and Exercise, 2017, 49, 885.	0.4	0
110	Viewing Television While Walking. Medicine and Science in Sports and Exercise, 2017, 49, 304.	0.4	0
111	Improved Count Based Metrics For Estimation Of Energy Expenditure With Waist Worn Actigraph. Medicine and Science in Sports and Exercise, 2017, 49, 647.	0.4	0
112	Modifying Accelerometer Cut-points Affects Criterion Validity in Free-living Youth and Adults. Medicine and Science in Sports and Exercise, 2018, 50, 298.	0.4	0
113	The effect of a lifestyle risk reduction intervention on lifestyle adherence and healthâ€related quality of life in nonsmall cell lung cancer survivors: Feasibility study outcomes. Psycho-Oncology, 2019, 28, 920-923.	2.3	Ο
114	<scp>Câ€reactive</scp> protein in adult Samoans: Population variation and physiological correlates. American Journal of Human Biology, 2022, 34, e23646.	1.6	0
115	Accuracy Of The Polar S410 Heart Rate Monitor For Estimating The Energy Cost of Exercise. Medicine and Science in Sports and Exercise, 2004, 36, S249.	0.4	Ο
116	Urban Travel Modalities And Obesity Prevalences In Europe And North America. Medicine and Science in Sports and Exercise, 2005, 37, S198.	0.4	0
117	Comparison Of Two Waist-mounted And Two Anklemounted Electronic Pedometers. Medicine and Science in Sports and Exercise, 2005, 37, S24.	0.4	0
118	Relationship Between Iron Status and Physical Activity. Medicine and Science in Sports and Exercise, 2008, 40, S341-S342.	0.4	0
119	Association Between Parental Perceptions of Puerto Rican Children's Weight Status with BMI and Skinfold Measures. Medicine and Science in Sports and Exercise, 2014, 46, 621.	0.4	0
120	Validity of a 2-Regression Model for Estimating Physical Activity in Youth Using an Ankle Accelerometer. Medicine and Science in Sports and Exercise, 2016, 48, 2.	0.4	0
121	Comparison of Physical Activity Levels Between Children Living in Puerto Rico and Continental U.S Medicine and Science in Sports and Exercise, 2016, 48, 761.	0.4	0
122	Effects of Cadence Settings on Stepwatch Accuracy Between 26.8 and 268 m/min. Medicine and Science in Sports and Exercise, 2016, 48, 102.	0.4	0
123	Associations between Walk Score and Physical Activity in Overweight and Obese Women. Medicine and Science in Sports and Exercise, 2016, 48, 759.	0.4	0
124	Effects Of Sensitivity Settings On Stepwatch Accuracy From 26.8 To 268 M/min. Medicine and Science in Sports and Exercise, 2016, 48, 102.	0.4	0
125	The Protective Role Of Physical Activity On Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2017, 49, 805.	0.4	0
126	Patterns of Physical Activity Change during Playground and Gardening Activities in Young Children. Medicine and Science in Sports and Exercise, 2019, 51, 516-516.	0.4	0

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127	Step Count Error Of Activity Monitors For Patients In Phase II Cardiac Rehabilitation. Medicine and Science in Sports and Exercise, 2020, 52, 1105-1105.	0.4	0
128	Identification Of Actigraph Wgt3x-bt Device Non-wear In Infants. Medicine and Science in Sports and Exercise, 2020, 52, 409-409.	0.4	0
129	Discrimination of wear and non-wear in infants using data from hip- and ankle-worn devices. PLoS ONE, 2020, 15, e0240604.	2.5	0
130	Maximizing Fairness in Deep Neural Networks via Mode Connectivity. IEEE Intelligent Systems, 2022, , 1-1.	4.0	0
131	Results from the United States' 2014 Report Card on Physical Activity for Children and Youth. Journal of Physical Activity and Health, 2014, 11, S105-S112.	2.0	0