

# Scott E Crouter

## List of Publications by Year in Descending Order

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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.

97  
papers

4,861  
citations

27  
h-index

69  
g-index

135  
ext. papers

5,449  
ext. citations

2.1  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
97	Maximizing Fairness in Deep Neural Networks via Mode Connectivity. <i>IEEE Intelligent Systems</i> , <b>2022</b> , 1-1	4.2	
96	Mitigating Class-Boundary Label Uncertainty to Reduce Both Model Bias and Variance. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2021</b> , 15, 1-18	4	1
95	Community health worker-delivered weight management intervention among public housing residents: A feasibility study. <i>Preventive Medicine Reports</i> , <b>2021</b> , 22, 101360	2.6	2
94	C-reactive protein in adult Samoans: Population variation and physiological correlates. <i>American Journal of Human Biology</i> , <b>2021</b> , e23646	2.7	
93	Leisure-time aerobic physical activity and the risk of diabetes-related mortality: An analysis of effect modification by race-ethnicity. <i>Journal of Diabetes and Its Complications</i> , <b>2021</b> , 35, 107763	3.2	1
92	Knee biomechanics of patients with total knee replacement during downhill walking on different slopes. <i>Journal of Sport and Health Science</i> , <b>2021</b> , 11, 50-50	8.2	2
91	Challenges and opportunities related to the objective assessment of physical activity within U.S. health surveys. <i>Annals of Epidemiology</i> , <b>2020</b> , 43, 1-10	6.4	2
90	Introducing time series snippets: a new primitive for summarizing long time series. <i>Data Mining and Knowledge Discovery</i> , <b>2020</b> , 34, 1713-1743	5.6	2
89	Modifying Accelerometer Cut-Points Affects Criterion Validity in Simulated Free-Living for Adolescents and Adults. <i>Research Quarterly for Exercise and Sport</i> , <b>2020</b> , 91, 514-524	1.9	5
88	Effect of Monitor Placement on the Daily Step Counts of Wrist and Hip Activity Monitors. <i>Journal for the Measurement of Physical Behaviour</i> , <b>2020</b> , 3, 164-169	2.3	0
87	Youth Metabolic Equivalents Differ Depending on Operational Definitions. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1846-1853	1.2	2
86	Step Count Error Of Activity Monitors For Patients In Phase II Cardiac Rehabilitation. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1105-1105	1.2	
85	Identification Of Actigraph Wgt3x-bt Device Non-wear In Infants. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 409-409	1.2	
84	Evaluating the Performance of Sensor-based Bout Detection Algorithms: The Transition Pairing Method. <i>Journal for the Measurement of Physical Behaviour</i> , <b>2020</b> , 3, 219-227	2.3	3
83	Discrimination of wear and non-wear in infants using data from hip- and ankle-worn devices. <i>PLoS ONE</i> , <b>2020</b> , 15, e0240604	3.7	
82	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. <i>JMIR Research Protocols</i> , <b>2020</b> , 9, e17329	2	3
81	Alternative Wear-time Estimation Methods Compared to Traditional Diary Logs for Wrist-Worn ActiGraph Accelerometers in Pregnant Women. <i>Journal for the Measurement of Physical Behaviour</i> , <b>2020</b> , 3, 110-117	2.3	3

80	Rationale and protocol for translating basic habituation research into family-based childhood obesity treatment: Families becoming healthy together study. <i>Contemporary Clinical Trials</i> , <b>2020</b> , 98, 106153	2.3	0
79	Use of consumer monitors for estimating energy expenditure in youth. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2020</b> , 45, 161-168	3	5
78	Associations between Walk Score and objective measures of physical activity in urban overweight and obese women. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214092	3.7	7
77	Sleep, energy balance, and meal timing in school-aged children. <i>Sleep Medicine</i> , <b>2019</b> , 60, 139-144	4.6	12
76	The Effects of Varying Structured Physical Activity Duration on Young Children's and Parents' Activity Levels. <i>Research Quarterly for Exercise and Sport</i> , <b>2019</b> , 90, 578-588	1.9	0
75	Effects of Brief Intermittent Walking Bouts on Step Count Accuracy of Wearable Devices. <i>Journal for the Measurement of Physical Behaviour</i> , <b>2019</b> , 2, 13-21	2.3	5
74	Dominant vs. Non-Dominant Wrist Placement of Activity Monitors: Impact on Steps per Day. <i>Journal for the Measurement of Physical Behaviour</i> , <b>2019</b> , 2, 118-123	2.3	1
73	The effect of a lifestyle risk reduction intervention on lifestyle adherence and health-related quality of life in nonsmall cell lung cancer survivors: Feasibility study outcomes. <i>Psycho-Oncology</i> , <b>2019</b> , 28, 920-923	3.9	
72	Accuracy of the Cosmed K5 portable calorimeter. <i>PLoS ONE</i> , <b>2019</b> , 14, e0226290	3.7	12
71	Domain agnostic online semantic segmentation for multi-dimensional time series. <i>Data Mining and Knowledge Discovery</i> , <b>2019</b> , 33, 96-130	5.6	14
70	Estimating physical activity in youth using an ankle accelerometer. <i>Journal of Sports Sciences</i> , <b>2018</b> , 36, 2265-2271	3.6	15
69	Estimating Energy Expenditure with ActiGraph GT9X Inertial Measurement Unit. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 1093-1102	1.2	23
68	A Randomized Trial Comparing Cardiac Rehabilitation to Standard of Care for Adults With Congenital Heart Disease. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , <b>2018</b> , 9, 185-193	1.1	18
67	Effects of television on enjoyment of exercise in college students. <i>International Journal of Sport and Exercise Psychology</i> , <b>2018</b> , 16, 657-669	2.5	1
66	Feasibility and acceptability of "healthy directions" a lifestyle intervention for adults with lung cancer. <i>Psycho-Oncology</i> , <b>2018</b> , 27, 250-257	3.9	8
65	Protective role of physical activity on type 2 diabetes: Analysis of effect modification by race-ethnicity. <i>Journal of Diabetes</i> , <b>2018</b> , 10, 166-178	3.8	8
64	A Youth Compendium of Physical Activities: Activity Codes and Metabolic Intensities. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 246-256	1.2	131
63	Utility of the Youth Compendium of Physical Activities. <i>Research Quarterly for Exercise and Sport</i> , <b>2018</b> , 89, 273-281	1.9	4

62	Effects of Knee Alignments and Toe Clip on Frontal Plane Knee Biomechanics in Cycling. <i>Journal of Sports Science and Medicine</i> , <b>2018</b> , 17, 312-321	2.7	4
61	Energy Cost Expression for a Youth Compendium of Physical Activities: Rationale for Using Age Groups. <i>Pediatric Exercise Science</i> , <b>2018</b> , 30, 142-149	2	5
60	Use of Objective Measures to Estimate Sedentary Time in Youth. <i>Journal for the Measurement of Physical Behaviour</i> , <b>2018</b> , 1, 136-142	2.3	1
59	Matrix Profile XIII: Time Series Snippets: A New Primitive for Time Series Data Mining <b>2018</b> ,		12
58	Knee biomechanics of selected knee-unfriendly movement elements in 42-form Tai Chi. <i>International Journal of Performance Analysis in Sport</i> , <b>2018</b> , 18, 1050-1066	1.8	3
57	Results from the United States 2018 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , <b>2018</b> , 15, S422-S424	2.5	49
56	Application of the ActiGraph GT9X IMU for the assessment of turning during walking and running. <i>Biomedical Physics and Engineering Express</i> , <b>2018</b> , 4, 065003	1.5	1
55	Determining day-to-day human variation in indirect calorimetry using Bayesian decision theory. <i>Experimental Physiology</i> , <b>2018</b> , 103, 1579-1585	2.4	3
54	Step Counting: A Review of Measurement Considerations and Health-Related Applications. <i>Sports Medicine</i> , <b>2017</b> , 47, 1303-1315	10.6	170
53	StepWatch accuracy during walking, running, and intermittent activities. <i>Gait and Posture</i> , <b>2017</b> , 52, 165-170		7
52	Accuracy of Consumer Monitors for Estimating Energy Expenditure and Activity Type. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 371-377	1.2	20
51	The effect of body placement site on ActiGraph wGT3X-BT activity counts. <i>Biomedical Physics and Engineering Express</i> , <b>2017</b> , 3, 035026	1.5	9
50	Effects of an afterschool community center physical activity program on fitness and body composition in obese youth. <i>Journal of Sports Sciences</i> , <b>2017</b> , 35, 1034-1040	3.6	8
49	Physical Activity of Parents and Children Playing Together and the Effects of Varying Structured Activity. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 225	1.2	
48	Family Factors Associated with Physical Activity and Sedentary Time in Children Living in Puerto Rico. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 885	1.2	
47	Viewing Television While Walking. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 304	1.2	
46	Portable open-circuit spirometry systems. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2017</b> , 57, 227-237		27
45	Effect of ActiGraph's low frequency extension for estimating steps and physical activity intensity. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188242	3.7	20

44	Gender and Age Differences in Levels, Types and Locations of Physical Activity among Older Adults Living in Car-Dependent Neighborhoods. <i>Journal of Frailty &amp; Aging, the</i> , <b>2017</b> , 6, 129-135	2.6	28
43	Racial Differences in Neighborhood Perceptions and their Influences on Physical Activity among Urban Older Women. <i>AIMS Public Health</i> , <b>2017</b> , 4, 149-170	1.9	5
42	The Protective Role Of Physical Activity On Type 2 Diabetes. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 805	1.2	
41	Comparisons of prediction equations for estimating energy expenditure in youth. <i>Journal of Science and Medicine in Sport</i> , <b>2016</b> , 19, 35-40	4.4	20
40	Effects of Workloads and Cadences on Frontal Plane Knee Biomechanics in Cycling. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 260-6	1.2	13
39	Results From the United States of America's 2016 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , <b>2016</b> , 13, S307-S313	2.5	118
38	Activity recognition and intensity estimation in youth from accelerometer data aided by machine learning. <i>Applied Intelligence</i> , <b>2016</b> , 45, 512-529	4.9	15
37	Validity of Self-Reported Pedometer Steps per Day in College Students. <i>Measurement in Physical Education and Exercise Science</i> , <b>2016</b> , 20, 140-145	1.9	1
36	Estimating physical activity in youth using a wrist accelerometer. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 944-51	1.2	80
35	Knee Biomechanics of Selected Knee Unfriendly Movement Elements in 42-Form Tai Ji. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 85	1.2	2
34	Exploring Metrics to Express Energy Expenditure of Physical Activity in Youth. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130869	3.7	32
33	Lifestyle Behaviors in Metabolically Healthy and Unhealthy Overweight and Obese Women: A Preliminary Study. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138548	3.7	26
32	Effect on Physical Activity of a Randomized Afterschool Intervention for Inner City Children in 3rd to 5th Grade. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141584	3.7	10
31	Results from the United states 2014 report card on physical activity for children and youth. <i>Journal of Physical Activity and Health</i> , <b>2014</b> , 11 Suppl 1, S105-12	2.5	66
30	Bipart: Learning Block Structure for Activity Detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 2397-2409	4.2	7
29	Review of Worksite Weight Management Programs. <i>Workplace Health and Safety</i> , <b>2014</b> , 62, 122-126	2	5
28	Validity of ActiGraph 2-regression model, Matthews cut-points, and NHANES cut-points for assessing free-living physical activity. <i>Journal of Physical Activity and Health</i> , <b>2013</b> , 10, 504-14	2.5	68
27	Development and validation of the Online Self-reported Walking and Exercise Questionnaire (OSWEQ). <i>Journal of Physical Activity and Health</i> , <b>2013</b> , 10, 1091-101	2.5	6

26	Validity of ActiGraph child-specific equations during various physical activities. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 1403-9	1.2	40
25	Descriptive analysis of resistance exercise and metabolic syndrome. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , <b>2012</b> , 6, 42-7	8.9	7
24	Validity of a Multi-Sensor Armband for Estimating Energy Expenditure during Eighteen Different Activities. <i>Journal of Obesity &amp; Weight Loss Therapy</i> , <b>2012</b> , 2,	0	2
23	Relationship between physical activity, physical performance, and iron status in adult women. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2012</b> , 37, 697-705	3	15
22	Use of a two-regression model for estimating energy expenditure in children. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 1177-85	1.2	57
21	Validity of the Actical for estimating free-living physical activity. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1381-9	3.4	41
20	Validity of estimating minute-by-minute energy expenditure of continuous walking bouts by accelerometry. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , <b>2011</b> , 8, 92	8.4	15
19	Refined two-regression model for the ActiGraph accelerometer. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 1029-37	1.2	106
18	Validity of Accelerometry for Estimating Free-Living Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 118	1.2	
17	An artificial neural network to estimate physical activity energy expenditure and identify physical activity type from an accelerometer. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 1300-7	3.7	260
16	Accuracy of the Actiheart for the assessment of energy expenditure in adults. <i>European Journal of Clinical Nutrition</i> , <b>2008</b> , 62, 704-11	5.2	157
15	A new 2-regression model for the Actical accelerometer. <i>British Journal of Sports Medicine</i> , <b>2008</b> , 42, 217-24	10.3	50
14	Walking, cycling, and obesity rates in Europe, North America, and Australia. <i>Journal of Physical Activity and Health</i> , <b>2008</b> , 5, 795-814	2.5	388
13	Validity of Estimating Minute-By-Minute Energy Expenditure with Accelerometry. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, S415	1.2	1
12	Relationship between Iron Deficiency, Physical Activity, and BMI in US Women; NHANES 99-02. <i>FASEB Journal</i> , <b>2007</b> , 21, A1117	0.9	1
11	A novel method for using accelerometer data to predict energy expenditure. <i>Journal of Applied Physiology</i> , <b>2006</b> , 100, 1324-31	3.7	326
10	Accuracy and reliability of the ParvoMedics TrueOne 2400 and MedGraphics VO2000 metabolic systems. <i>European Journal of Applied Physiology</i> , <b>2006</b> , 98, 139-51	3.4	153
9	Estimating energy expenditure using accelerometers. <i>European Journal of Applied Physiology</i> , <b>2006</b> , 98, 601-12	3.4	260

8	Spring-levered versus piezo-electric pedometer accuracy in overweight and obese adults. <i>Medicine and Science in Sports and Exercise</i> , <b>2005</b> , 37, 1673-9	1.2	194
7	Comparison of two waist-mounted and two ankle-mounted electronic pedometers. <i>European Journal of Applied Physiology</i> , <b>2005</b> , 95, 335-43	3.4	107
6	Accuracy Of Pedometers For Measuring Steps In Overweight And Obese Individuals. <i>Medicine and Science in Sports and Exercise</i> , <b>2005</b> , 37, S23-S24	1.2	1
5	Accuracy of polar S410 heart rate monitor to estimate energy cost of exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2004</b> , 36, 1433-9	1.2	78
4	Pedometer measures of free-living physical activity: comparison of 13 models. <i>Medicine and Science in Sports and Exercise</i> , <b>2004</b> , 36, 331-5	1.2	460
3	Accuracy and reliability of 10 pedometers for measuring steps over a 400-m walk. <i>Medicine and Science in Sports and Exercise</i> , <b>2003</b> , 35, 1779-84	1.2	409
2	Validity of 10 electronic pedometers for measuring steps, distance, and energy cost. <i>Medicine and Science in Sports and Exercise</i> , <b>2003</b> , 35, 1455-60	1.2	572
1	Comparison of incremental treadmill exercise and free range running. <i>Medicine and Science in Sports and Exercise</i> , <b>2001</b> , 33, 644-7	1.2	14