

Scott E Crouter

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

6,290
citations

159585

30
h-index

66911

78
g-index

135
all docs

135
docs citations

135
times ranked

6683
citing authors

#	ARTICLE	IF	CITATIONS
1	Knee biomechanics of patients with total knee replacement during downhill walking on different slopes. <i>Journal of Sport and Health Science</i> , 2022, 11, 50-57.	6.5	8
2	<scp>C–reactive</scp> protein in adult Samoans: Population variation and physiological correlates. <i>American Journal of Human Biology</i> , 2022, 34, e23646.	1.6	0
3	Maximizing Fairness in Deep Neural Networks via Mode Connectivity. <i>IEEE Intelligent Systems</i> , 2022, , 1-1.	4.0	0
4	Mobile health plus community health worker support for weight management among public housing residents (Path to Health): A randomized controlled trial protocol. <i>Contemporary Clinical Trials</i> , 2022, , 106836.	1.8	2
5	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> , 2021, 35, 107763.	2.3	5
6	Free-Living Validation and Harmonization of 10 Wearable Step Count Monitors. <i>Translational Journal of the American College of Sports Medicine</i> , 2021, 6, .	0.6	7
7	Mitigating Class-Boundary Label Uncertainty to Reduce Both Model Bias and Variance. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021, 15, 1-18.	3.5	5
8	Community health worker-delivered weight management intervention among public housing residents: A feasibility study. <i>Preventive Medicine Reports</i> , 2021, 22, 101360.	1.8	6
9	Use of consumer monitors for estimating energy expenditure in youth. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 161-168.	1.9	10
10	Rationale and protocol for translating basic habituation research into family-based childhood obesity treatment: Families becoming healthy together study. <i>Contemporary Clinical Trials</i> , 2020, 98, 106153.	1.8	2
11	Challenges and opportunities related to the objective assessment of physical activity within U.S. health surveys. <i>Annals of Epidemiology</i> , 2020, 43, 1-10.	1.9	6
12	Introducing time series snippets: a new primitive for summarizing long time series. <i>Data Mining and Knowledge Discovery</i> , 2020, 34, 1713-1743.	3.7	7
13	Modifying Accelerometer Cut-Points Affects Criterion Validity in Simulated Free-Living for Adolescents and Adults. <i>Research Quarterly for Exercise and Sport</i> , 2020, 91, 514-524.	1.4	7
14	Effect of Monitor Placement on the Daily Step Counts of Wrist and Hip Activity Monitors. <i>Journal for the Measurement of Physical Behaviour</i> , 2020, 3, 164-169.	0.8	3
15	Youth Metabolic Equivalents Differ Depending on Operational Definitions. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1846-1853.	0.4	6
16	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> , 2020, 9, e17329.	1.0	13
17	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> , 2020, 3, 110-117.	0.8	4
18	Step Count Error Of Activity Monitors For Patients In Phase II Cardiac Rehabilitation. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1105-1105.	0.4	0

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19	Identification Of Actigraph Wgt3x-bt Device Non-wear In Infants. Medicine and Science in Sports and Exercise, 2020, 52, 409-409.	0.4	0
20	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
21	Discrimination of wear and non-wear in infants using data from hip- and ankle-worn devices. PLoS ONE, 2020, 15, e0240604.	2.5	0
22	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
23	Associations between Walk Score and objective measures of physical activity in urban overweight and obese women. PLoS ONE, 2019, 14, e0214092.	2.5	13
24	Sleep, energy balance, and meal timing in school-aged children. Sleep Medicine, 2019, 60, 139-144.	1.6	28
25	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. Psycho-Oncology, 2019, 28, 920-923.	2.3	0
26	Accuracy of the Cosmed K5 portable calorimeter. PLoS ONE, 2019, 14, e0226290.	2.5	25
27	Domain agnostic online semantic segmentation for multi-dimensional time series. Data Mining and Knowledge Discovery, 2019, 33, 96-130.	3.7	33
28	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
29	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
30	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
31	Estimating physical activity in youth using an ankle accelerometer. Journal of Sports Sciences, 2018, 36, 2265-2271.	2.0	18
32	Estimating Energy Expenditure with ActiGraph GT9X Inertial Measurement Unit. Medicine and Science in Sports and Exercise, 2018, 50, 1093-1102.	0.4	33
33	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
34	Effects of television on enjoyment of exercise in college students. International Journal of Sport and Exercise Psychology, 2018, 16, 657-669.	2.1	3
35	Feasibility and acceptability of "healthy directions" a lifestyle intervention for adults with lung cancer. Psycho-Oncology, 2018, 27, 250-257.	2.3	13
36	Protective role of physical activity on type 2 diabetes: Analysis of effect modification by race-ethnicity. Journal of Diabetes, 2018, 10, 166-178.	1.8	16

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37	A Youth Compendium of Physical Activities. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 246-256.	0.4	215
38	Energy Cost Expression for a Youth Compendium of Physical Activities: Rationale for Using Age Groups. <i>Pediatric Exercise Science</i> , 2018, 30, 142-149.	1.0	8
39	Modifying Accelerometer Cut-points Affects Criterion Validity in Free-living Youth and Adults. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 298.	0.4	0
40	Use of Objective Measures to Estimate Sedentary Time in Youth. <i>Journal for the Measurement of Physical Behaviour</i> , 2018, 1, 136-142.	0.8	3
41	Matrix Profile XIII: Time Series Snippets: A New Primitive for Time Series Data Mining. , 2018, , .		21
42	Knee biomechanics of selected knee-unfriendly movement elements in 42-form Tai Chi. <i>International Journal of Performance Analysis in Sport</i> , 2018, 18, 1050-1066.	1.1	5
43	Results from the United States 2018 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , 2018, 15, S422-S424.	2.0	94
44	Application of the ActiGraph GT9X IMU for the assessment of turning during walking and running. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 065003.	1.2	3
45	Determining day-to-day human variation in indirect calorimetry using Bayesian decision theory. <i>Experimental Physiology</i> , 2018, 103, 1579-1585.	2.0	3
46	Utility of the Youth Compendium of Physical Activities. <i>Research Quarterly for Exercise and Sport</i> , 2018, 89, 273-281.	1.4	7
47	Effects of Knee Alignments and Toe Clip on Frontal Plane Knee Biomechanics in Cycling. <i>Journal of Sports Science and Medicine</i> , 2018, 17, 312-321.	1.6	5
48	Step Counting: A Review of Measurement Considerations and Health-Related Applications. <i>Sports Medicine</i> , 2017, 47, 1303-1315.	6.5	291
49	StepWatch accuracy during walking, running, and intermittent activities. <i>Gait and Posture</i> , 2017, 52, 165-170.	1.4	9
50	Accuracy of Consumer Monitors for Estimating Energy Expenditure and Activity Type. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 371-377.	0.4	28
51	The effect of body placement site on ActiGraph wGT3X-BT activity counts. <i>Biomedical Physics and Engineering Express</i> , 2017, 3, 035026.	1.2	17
52	Effects of an afterschool community center physical activity program on fitness and body composition in obese youth. <i>Journal of Sports Sciences</i> , 2017, 35, 1034-1040.	2.0	13
53	Physical Activity of Parents and Children Playing Together and the Effects of Varying Structured Activity. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 225.	0.4	0
54	Family Factors Associated with Physical Activity and Sedentary Time in Children Living in Puerto Rico. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 885.	0.4	0

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55	Effect of Wear Location on ActiGraph Activity Counts. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 643-644.	0.4	1
56	Viewing Television While Walking. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 304.	0.4	0
57	Improved Count Based Metrics For Estimation Of Energy Expenditure With Waist Worn Actigraph. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 647.	0.4	0
58	Portable open-circuit spirometry systems. <i>Journal of Sports Medicine and Physical Fitness</i> , 2017, 57, 227-237.	0.7	37
59	Effect of ActiGraph's low frequency extension for estimating steps and physical activity intensity. <i>PLoS ONE</i> , 2017, 12, e0188242.	2.5	29
60	Gender and Age Differences in Levels, Types and Locations of Physical Activity among Older Adults Living in Car-Dependent Neighborhoods. <i>Journal of Frailty & Aging</i> , 2017, 6, 129-135.	1.3	40
61	Racial Differences in Neighborhood Perceptions and their Influences on Physical Activity among Urban Older Women. <i>AIMS Public Health</i> , 2017, 4, 149-170.	2.6	7
62	The Protective Role Of Physical Activity On Type 2 Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 805.	0.4	0
63	Comparisons of prediction equations for estimating energy expenditure in youth. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 35-40.	1.3	22
64	Effects of Workloads and Cadences on Frontal Plane Knee Biomechanics in Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 260-266.	0.4	15
65	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> , 2016, 13, S307-S313.	2.0	151
66	Activity recognition and intensity estimation in youth from accelerometer data aided by machine learning. <i>Applied Intelligence</i> , 2016, 45, 512-529.	5.3	18
67	Validity of Self-Reported Pedometer Steps per Day in College Students. <i>Measurement in Physical Education and Exercise Science</i> , 2016, 20, 140-145.	1.8	1
68	Validity of Self-Reported Pedometer Steps Per Day in College Students. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 327-328.	0.4	0
69	Effects of Changing ActiGraph Bandpass Filter Width For Detecting Walking and Running. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 546-547.	0.4	1
70	Validity of a 2-Regression Model for Estimating Physical Activity in Youth Using an Ankle Accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2.	0.4	0
71	Comparison of Physical Activity Levels Between Children Living in Puerto Rico and Continental U.S.. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 761.	0.4	0
72	Effects of Cadence Settings on Stepwatch Accuracy Between 26.8 and 268 m/min. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 102.	0.4	0

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73	Associations between Walk Score and Physical Activity in Overweight and Obese Women. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 759.	0.4	0
74	Effects Of Sensitivity Settings On Stepwatch Accuracy From 26.8 To 268 M/min. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 102.	0.4	0
75	Knee Biomechanics of Selected Knee Unfriendly Movement Elements in 42-Form Tai Ji. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 85.	0.4	2
76	Effects of Workload on Frontal Plane Knee Biomechanics during Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 87.	0.4	1
77	Step.Min-1 Cut-points Based On Walking Do Not Predict Intensity Of Non-walking Activities. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 113.	0.4	0
78	Use Of Hourly Walking Breaks To Increase Physical Activity And Improve Cardiometabolic Risk Factors. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 402.	0.4	0
79	Association Between Parentâ€™s Perception Of Weight And Behavior Change And Activity In Puerto Rican Children. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 830-831.	0.4	0
80	Accuracy Of The Sensewear Armband Mini-fly For Estimating Energy Expenditure Across Bmi Categories. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 14.	0.4	0
81	Use of Hourly Walking Breaks to Increase Daily Walking Among Inactive Office Workers. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 399.	0.4	0
82	Effects Of Television Viewing On Enjoyment Of Exercise In College Students. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 738.	0.4	0
83	3214. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 856.	0.4	0
84	Exploring Metrics to Express Energy Expenditure of Physical Activity in Youth. <i>PLoS ONE</i> , 2015, 10, e0130869.	2.5	44
85	Lifestyle Behaviors in Metabolically Healthy and Unhealthy Overweight and Obese Women: A Preliminary Study. <i>PLoS ONE</i> , 2015, 10, e0138548.	2.5	37
86	Effect on Physical Activity of a Randomized Afterschool Intervention for Inner City Children in 3rd to 5th Grade. <i>PLoS ONE</i> , 2015, 10, e0141584.	2.5	13
87	Estimating Physical Activity in Youth Using a Wrist Accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 944-951.	0.4	105
88	Review Of Portable Indirect Calorimetry Devices. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 295-296.	0.4	0
89	Bipart: Learning Block Structure for Activity Detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014, 26, 2397-2409.	5.7	9
90	Results from the United Statesâ€™ 2014 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , 2014, 11, S105-S112.	2.0	72

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91	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
92	Review of Worksite Weight Management Programs. Workplace Health and Safety, 2014, 62, 122-126.	1.4	5
93	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
94	Results from the United States's 2014 Report Card on Physical Activity for Children and Youth. Journal of Physical Activity and Health, 2014, 11, S105-S112.	2.0	0
95	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
96	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
97	Validity of ActiGraph Child-Specific Equations during Various Physical Activities. Medicine and Science in Sports and Exercise, 2013, 45, 1403-1409.	0.4	51
98	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
99	Descriptive analysis of resistance exercise and metabolic syndrome. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2012, 6, 42-47.	3.6	9
100	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
101	Relationship between physical activity, physical performance, and iron status in adult women. Applied Physiology, Nutrition and Metabolism, 2012, 37, 697-705.	1.9	24
102	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
103	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
104	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
105	Validity of the Actical for estimating free-living physical activity. European Journal of Applied Physiology, 2011, 111, 1381-1389.	2.5	47
106	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
107	Refined Two-Regression Model for the ActiGraph Accelerometer. Medicine and Science in Sports and Exercise, 2010, 42, 1029-1037.	0.4	138
108	Validity of Accelerometry for Estimating Free-Living Physical Activity. Medicine and Science in Sports and Exercise, 2010, 42, 118.	0.4	0

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109	An artificial neural network to estimate physical activity energy expenditure and identify physical activity type from an accelerometer. <i>Journal of Applied Physiology</i> , 2009, 107, 1300-1307.	2.5	306
110	Validity Of Accelerometry During Free-living Activity. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 173.	0.4	1
111	Accuracy of the Actiheart for the assessment of energy expenditure in adults. <i>European Journal of Clinical Nutrition</i> , 2008, 62, 704-711.	2.9	174
112	A new 2-regression model for the Actical accelerometer. <i>British Journal of Sports Medicine</i> , 2008, 42, 217-224.	6.7	63
113	Walking, Cycling, and Obesity Rates in Europe, North America, and Australia. <i>Journal of Physical Activity and Health</i> , 2008, 5, 795-814.	2.0	466
114	Validity of Estimating Minute-By-Minute Energy Expenditure with Accelerometry. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S415.	0.4	2
115	Relationship Between Iron Status and Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S341-S342.	0.4	0
116	Relationship between Iron Deficiency, Physical Activity, and BMI in US Women; NHANES 99-02. <i>FASEB Journal</i> , 2007, 21, A1117.	0.5	3
117	Accuracy and reliability of the ParvoMedics TrueOne 2400 and MedGraphics VO2000 metabolic systems. <i>European Journal of Applied Physiology</i> , 2006, 98, 139-151.	2.5	188
118	Estimating energy expenditure using accelerometers. <i>European Journal of Applied Physiology</i> , 2006, 98, 601-612.	2.5	316
119	A novel method for using accelerometer data to predict energy expenditure. <i>Journal of Applied Physiology</i> , 2006, 100, 1324-1331.	2.5	372
120	Spring-Levered versus Piezo-Electric Pedometer Accuracy in Overweight and Obese Adults. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 1673-1679.	0.4	248
121	Comparison of two waist-mounted and two ankle-mounted electronic pedometers. <i>European Journal of Applied Physiology</i> , 2005, 95, 335-343.	2.5	119
122	Accuracy Of Pedometers For Measuring Steps In Overweight And Obese Individuals. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S23-S24.	0.4	1
123	Urban Travel Modalities And Obesity Prevalences In Europe And North America. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S198.	0.4	0
124	Comparison Of Two Waist-mounted And Two Anklemounted Electronic Pedometers. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S24.	0.4	0
125	Accuracy of Polar S410 Heart Rate Monitor to Estimate Energy Cost of Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1433-1439.	0.4	100
126	Pedometer Measures of Free-Living Physical Activity: Comparison of 13 Models. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 331-335.	0.4	594

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127	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
128	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	0
129	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
130	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
131	Comparison of incremental treadmill exercise and free range running. Medicine and Science in Sports and Exercise, 2001, 33, 644-647.	0.4	19