

# John Staudenmayer

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

3,295  
citations

218677

26  
h-index

149698

56  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3880  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of Wearable Monitors for Assessing Sedentary Behavior. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1561-1567.	0.4	720
2	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
3	Development of Novel Techniques to Classify Physical Activity Mode Using Accelerometers. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1626-1634.	0.4	180
4	A Method to Estimate Free-Living Active and Sedentary Behavior from an Accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 386-397.	0.4	136
5	The activPALTM Accurately Classifies Activity Intensity Categories in Healthy Adults. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1022-1028.	0.4	134
6	Hip and Wrist Accelerometer Algorithms for Free-Living Behavior Classification. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 933-940.	0.4	131
7	Methods to estimate aspects of physical activity and sedentary behavior from high-frequency wrist accelerometer measurements. <i>Journal of Applied Physiology</i> , 2015, 119, 396-403.	2.5	110
8	Evaluation of artificial neural network algorithms for predicting METs and activity type from accelerometer data: validation on an independent sample. <i>Journal of Applied Physiology</i> , 2011, 111, 1804-1812.	2.5	103
9	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
10	Errors in MET Estimates of Physical Activities Using $3.5 \text{ ml} \cdot \text{kg}^{-1} \cdot \text{min}^{-1}$ as the Baseline Oxygen Consumption. <i>Journal of Physical Activity and Health</i> , 2010, 7, 508-516.	2.0	101
11	Identifying Active Travel Behaviors in Challenging Environments Using GPS, Accelerometers, and Machine Learning Algorithms. <i>Frontiers in Public Health</i> , 2014, 2, 36.	2.7	92
12	The Feasibility of Reducing and Measuring Sedentary Time among Overweight, Non-Exercising Office Workers. <i>Journal of Obesity</i> , 2012, 2012, 1-10.	2.7	89
13	Statistical Considerations in the Analysis of Accelerometry-Based Activity Monitor Data. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, S61-S67.	0.4	81
14	Associations of Maternal Lifetime Trauma and Perinatal Traumatic Stress Symptoms With Infant Cardiorespiratory Reactivity to Psychological Challenge. <i>Psychosomatic Medicine</i> , 2009, 71, 607-614.	2.0	69
15	Density Estimation in the Presence of Heteroscedastic Measurement Error. <i>Journal of the American Statistical Association</i> , 2008, 103, 726-736.	3.1	65
16	Objective Assessment of Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 951-957.	0.4	62
17	Measurement Error in Linear Autoregressive Models. <i>Journal of the American Statistical Association</i> , 2005, 100, 841-852.	3.1	56
18	Comparison of Raw Acceleration from the GENEa and ActiGraph <sup>®</sup> GT3X+ Activity Monitors. <i>Sensors</i> , 2013, 13, 14754-14763.	3.8	56

#	ARTICLE	IF	CITATIONS
19	Changes in Sedentary Time and Physical Activity in Response to an Exercise Training and/or Lifestyle Intervention. <i>Journal of Physical Activity and Health</i> , 2014, 11, 1324-1333.	2.0	56
20	The independent and combined effects of exercise training and reducing sedentary behavior on cardiometabolic risk factors. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 770-780.	1.9	50
21	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
22	Associations of Accelerometer-Measured Sedentary Time and Physical Activity With Prospectively Assessed Cardiometabolic Risk Factors: The CARDIA Study. <i>Journal of the American Heart Association</i> , 2019, 8, e010212.	3.7	46
23	Discrete Features of Sedentary Behavior Impact Cardiometabolic Risk Factors. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1079-1086.	0.4	45
24	Local polynomial regression and simulation-extrapolation. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2004, 66, 17-30.	2.2	42
25	US Population-referenced Percentiles for Wrist-Worn Accelerometer-derived Activity. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 2455-2464.	0.4	37
26	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
27	Direct Observation is a Valid Criterion for Estimating Physical Activity and Sedentary Behavior. <i>Journal of Physical Activity and Health</i> , 2014, 11, 860-863.	2.0	27
28	Influence of Accelerometer Calibration Approach on Moderate-Vigorous Physical Activity Estimates for Adults. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2285-2291.	0.4	26
29	Tissue Artifact Removal from Respiratory Signals Based on Empirical Mode Decomposition. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1003-1015.	2.5	24
30	Respiratory Sinus Arrhythmia as an Index of Vagal Activity during Stress in Infants: Respiratory Influences and Their Control. <i>PLoS ONE</i> , 2012, 7, e52729.	2.5	24
31	Statistical approaches to account for missing values in accelerometer data: Applications to modeling physical activity. <i>Statistical Methods in Medical Research</i> , 2018, 27, 1168-1186.	1.5	22
32	Managing free-living hyperglycemia with exercise or interrupted sitting in type 2 diabetes. <i>Journal of Applied Physiology</i> , 2019, 126, 616-625.	2.5	22
33	Energy Cost of Common Activities in Children and Adolescents. <i>Journal of Physical Activity and Health</i> , 2013, 10, 62-69.	2.0	21
34	Bayesian Semiparametric Density Deconvolution in the Presence of Conditionally Heteroscedastic Measurement Errors. <i>Journal of Computational and Graphical Statistics</i> , 2014, 23, 1101-1125.	1.7	20
35	ADDITIVE MODELS WITH PREDICTORS SUBJECT TO MEASUREMENT ERROR. <i>Australian and New Zealand Journal of Statistics</i> , 2005, 47, 193-202.	0.9	17
36	Methods to assess an exercise intervention trial based on 3-level functional data. <i>Biostatistics</i> , 2015, 16, 754-771.	1.5	16

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37	Hierarchical functional data with mixed continuous and binary measurements. <i>Biometrics</i> , 2014, 70, 802-811.	1.4	14
38	Measurement Error in a Random Walk Model with Applications to Population Dynamics. <i>Biometrics</i> , 2006, 62, 1178-1189.	1.4	13
39	Statistical methods to correct for observation error in a density-independent population model. <i>Ecological Monographs</i> , 2009, 79, 299-324.	5.4	11
40	Improved regression models for ventilation estimation based on chest and abdomen movements. <i>Physiological Measurement</i> , 2012, 33, 79-93.	2.1	11
41	Leukemia clusters in upstate New York: how adding covariates changes the story. <i>Environmetrics</i> , 2001, 12, 659-672.	1.4	10
42	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
43	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
44	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
45	Modeling observation error and its effects in a random walk/extinction model. <i>Theoretical Population Biology</i> , 2006, 70, 322-335.	1.1	6
46	Metrics of Diabetes Risk Are Only Minimally Improved by Exercise Training in Postmenopausal Breast Cancer Survivors. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e1958-e1966.	3.6	6
47	Simple to complex modeling of breathing volume using a motion sensor. <i>Science of the Total Environment</i> , 2013, 454-455, 184-188.	8.0	5
48	Physical Activity Classification with Dynamic Discriminative Methods. <i>Biometrics</i> , 2018, 74, 1502-1511.	1.4	5
49	Segmented Regression in the Presence of Covariate Measurement Error in Main Study/Validation Study Designs. <i>Biometrics</i> , 2002, 58, 871-877.	1.4	4
50	Higher 24-h Total Movement Activity Percentile Is Associated with Better Cognitive Performance in U.S. Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 1317-1325.	0.4	3
51	ZigBee-based wireless multi-sensor system for physical activity assessment. , 2011, 2011, 846-9.		2
52	Three-part joint modeling methods for complex functional data mixed with zero-inflated proportions and zero-inflated continuous outcomes with skewness. <i>Statistics in Medicine</i> , 2018, 37, 611-626.	1.6	2
53	Elevated insulin levels following 7 days of increased sedentary time are due to lower hepatic extraction and not higher insulin secretion. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 1020-1023.	1.9	2
54	Identification of Latent Classes of Motor Performance in a Heterogenous Population of Adults. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2020, 2, 100080.	0.9	2

#	ARTICLE	IF	CITATIONS
55	Validation of Wearable Camera Still Images to Assess Posture in Free-Living Conditions. Journal for the Measurement of Physical Behaviour, 2021, 4, 47-52.	0.8	2
56	Sensitivity of the Misfit Shineâ„¢ to Detect Changes in Laboratory-Based and Free-Living Physical Activity. Journal for the Measurement of Physical Behaviour, 2018, 1, 18-25.	0.8	1
57	Reply to Bonomi and Plasqui. Journal of Applied Physiology, 2012, 112, 933-933.	2.5	1