

Accuracy of Armband Monitors for Measuring Daily Energy Expenditure

Medicine and Science in Sports and Exercise
42, 2134-2140

DOI: [10.1249/mss.0b013e3181e0b3ff](https://doi.org/10.1249/mss.0b013e3181e0b3ff)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Testâ€™retest reliability of a portable monitor to assess energy expenditure. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011, 36, 339-343.	0.9	33
3	Physiological Adaptation of a Mature Adult Walking the Alps. <i>Wilderness and Environmental Medicine</i> , 2011, 22, 236-241.	0.4	4
4	Commentaries on Viewpoint: Expending our physical activity (measurement) budget wisely. <i>Journal of Applied Physiology</i> , 2011, 111, 608-613.	1.2	2
5	Introducing a modular activity monitoring system. , 2011, 2011, 5621-4.		26
6	Accuracy of physical activity assessment during pregnancy: an observational study. <i>BMC Pregnancy and Childbirth</i> , 2011, 11, 86.	0.9	10
7	Agreement between pedometer and accelerometer in measuring physical activity in overweight and obese pregnant women. <i>BMC Public Health</i> , 2011, 11, 501.	1.2	31
8	A telemedicine home care based activity monitor device. , 2011, , .		3
9	Validation of an Armband to Measure Daily Energy Expenditure in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011, 66A, 1108-1113.	1.7	131
10	Lorcaserin, A 5-HT _{2C} Receptor Agonist, Reduces Body Weight by Decreasing Energy Intake without Influencing Energy Expenditure. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 837-845.	1.8	128
11	Physical Activity Measured by the SenseWear Armband in Women With Rheumatoid Arthritis. <i>Physical Therapy</i> , 2011, 91, 1367-1376.	1.1	90
12	Computational Methods for Estimating Energy Expenditure in Human Physical Activities. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 2138-2146.	0.2	60
13	Estimating Resting Energy Expenditure With a Portable Armband Device in an Ambulatory Setting. <i>Nutrition in Clinical Practice</i> , 2012, 27, 825-831.	1.1	1
14	Handgrip Strength, Positive Affect, and Perceived Health are Prospectively Associated with Fewer Functional Limitations among Centenarians. <i>International Journal of Aging and Human Development</i> , 2012, 75, 351-363.	1.0	18
15	SenseWear Armband and Stroke: Validity of Energy Expenditure and Step Count Measurement during Walking. <i>Stroke Research and Treatment</i> , 2012, 2012, 1-8.	0.5	42
16	Improving Self-Reports of Active and Sedentary Behaviors in Large Epidemiologic Studies. <i>Exercise and Sport Sciences Reviews</i> , 2012, 40, 118-126.	1.6	165
17	Device-based monitoring in physical activity and public health research. <i>Physiological Measurement</i> , 2012, 33, 1769-1783.	1.2	79
18	Physical activity and energy expenditure in haemodialysis patients: an international survey. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 2430-2434.	0.4	139
19	Ectopic Lipid Accumulation and Reduced Glucose Tolerance in Elderly Adults Are Accompanied by Altered Skeletal Muscle Mitochondrial Activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 242-250.	1.8	80

#	ARTICLE	IF	CITATIONS
20	Validity of the SenseWear® Armband to Predict Energy Expenditure in Pregnant Women. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 2001-2008.	0.2	44
21	Defining the Relationship Between Average Daily Energy Expenditure and Field-Based Walking Tests and Aerobic Reserve in COPD. <i>Chest</i> , 2012, 141, 406-412.	0.4	20
22	Modeling Errors in Physical Activity Recall Data. <i>Journal of Physical Activity and Health</i> , 2012, 9, S56-S67.	1.0	51
23	Prediction of Energy Expenditure From Wrist Accelerometry in People With and Without Down Syndrome. <i>Adapted Physical Activity Quarterly</i> , 2012, 29, 179-190.	0.6	14
24	Underreporting of Energy Intake in Maintenance Hemodialysis Patients: A Cross-sectional Study. , 2012, 22, 578-583.		18
25	Relationship between Low Muscle Strength and Metabolic Risk Factors in Obese Postmenopausal Women: A Pilot Study. <i>Canadian Journal of Diabetes</i> , 2012, 36, 269-274.	0.4	4
26	The Barriers to Physical Activity in Type 1 Diabetes (BAPAD-1) scale: Predictive validity and reliability. <i>Diabetes and Metabolism</i> , 2012, 38, 164-170.	1.4	36
27	The improvement of walking speed after cardiac rehabilitation is associated with the reduction in the metabolic cost of walking in older persons. <i>Gait and Posture</i> , 2012, 35, 458-461.	0.6	3
28	Physical activity and quality of life in severely obese individuals seeking bariatric surgery or lifestyle intervention. <i>Health and Quality of Life Outcomes</i> , 2012, 10, 86.	1.0	17
29	Assessment of physical activity and inactivity in multiple domains of daily life: a comparison between a computerized questionnaire and the SenseWear Armband complemented with an electronic diary. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2012, 9, 71.	2.0	31
30	Validity of activity monitors in health and chronic disease: a systematic review. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2012, 9, 84.	2.0	229
31	Physical activity level and body composition among adults with Type 1 diabetes. <i>Diabetic Medicine</i> , 2012, 29, e402-8.	1.2	48
32	Predicting doubly labeled water energy expenditure from ambulatory activity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012, 37, 1091-1100.	0.9	9
33	Predicting Energy Expenditure of Manual Wheelchair Users With Spinal Cord Injury Using a Multisensor-Based Activity Monitor. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 1937-1943.	0.5	33
34	Comparative Validity of Accelerometer-Based Measures of Physical Activity for People With Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 2022-2028.	0.5	24
35	Patterns of physical activity and sedentary behavior in normal-weight, overweight and obese adults, as measured with a portable armband device and an electronic diary. <i>Clinical Nutrition</i> , 2012, 31, 756-764.	2.3	54
36	Validity of a Multi-Sensor Armband for Estimating Energy Expenditure during Eighteen Different Activities. <i>Journal of Obesity & Weight Loss Therapy</i> , 2012, 02, .	0.1	5
37	Machine Learning and Sensor Fusion for Estimating Continuous Energy Expenditure. <i>AI Magazine</i> , 2012, 33, 55.	1.4	22

#	ARTICLE	IF	CITATIONS
38	Variability in physical activity patterns as measured by the SenseWear Armband: how many days are needed?. <i>European Journal of Applied Physiology</i> , 2012, 112, 1653-1662.	1.2	124
39	Advances in physical activity monitoring and lifestyle interventions in obesity: a review. <i>International Journal of Obesity</i> , 2012, 36, 167-177.	1.6	70
40	Comparison of Two Objective Monitors for Assessing Physical Activity and Sedentary Behaviors in Bariatric Surgery Patients. <i>Obesity Surgery</i> , 2012, 22, 347-352.	1.1	39
42	Daily physical activity assessment with accelerometers: new insights and validation studies. <i>Obesity Reviews</i> , 2013, 14, 451-462.	3.1	236
43	Validation of Physical Activity Monitors in Individuals with Diabetes: Energy Expenditure Estimation by the Multisensor SenseWear Armband Pro3 and the Step Counter Omron HJ-720 Against Indirect Calorimetry During Walking. <i>Diabetes Technology and Therapeutics</i> , 2013, 15, 413-418.	2.4	28
44	Compliance with different physical activity recommendations and its association with socio-demographic characteristics using an objective measure. <i>BMC Public Health</i> , 2013, 13, 136.	1.2	25
45	Objectively-determined intensity- and domain-specific physical activity and sedentary behavior in relation to percent body fat. <i>Clinical Nutrition</i> , 2013, 32, 999-1006.	2.3	14
46	Energy expenditure by multisensor armband in overweight and obese lactating women validated by doubly labeled water. <i>Obesity</i> , 2013, 21, 2231-2235.	1.5	13
47	An evaluation of energy expenditure estimation by three activity monitors. <i>European Journal of Sport Science</i> , 2013, 13, 681-688.	1.4	17
48	Self-reported and objectively measured sedentary behavior in bariatric surgery candidates. <i>Surgery for Obesity and Related Diseases</i> , 2013, 9, 123-128.	1.0	38
49	Energy Expenditure and Intensity Levels During a 6170-m Summit in the Karakoram Mountains. <i>Wilderness and Environmental Medicine</i> , 2013, 24, 337-344.	0.4	7
50	Can weight loss improve migraine headaches in obese women? Rationale and design of the Women's Health and Migraine (WHAM) randomized controlled trial. <i>Contemporary Clinical Trials</i> , 2013, 35, 133-144.	0.8	37
51	Guide to the Assessment of Physical Activity: Clinical and Research Applications. <i>Circulation</i> , 2013, 128, 2259-2279.	1.6	756
52	Development and evaluation of a gyroscope-based wheel rotation monitor for manual wheelchair users. <i>Journal of Spinal Cord Medicine</i> , 2013, 36, 347-356.	0.7	27
53	Measurement of energy expenditure by activity monitors. <i>Physical Therapy Reviews</i> , 2013, 18, 239-262.	0.3	5
54	SenseWear-Determined Physical Activity and Sedentary Behavior and Metabolic Syndrome. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 481-489.	0.2	75
55	Association between cognitive performance, physical fitness, and physical activity level in women with chronic fatigue syndrome. <i>Journal of Rehabilitation Research and Development</i> , 2013, 50, 795-810.	1.6	43
56	Comparison between Several Muscle Strength and Cardiorespiratory Fitness Indices with Body Composition and Energy Expenditure in Obese Postmenopausal Women. <i>International Journal of Sports Medicine</i> , 2013, 34, 258-262.	0.8	1

#	ARTICLE	IF	CITATIONS
57	Physical activity classification utilizing SenseWear activity monitor in manual wheelchair users with spinal cord injury. <i>Spinal Cord</i> , 2013, 51, 705-709.	0.9	28
58	Chinese Elders' Self-Image and Their Perceived Peer-Image: Possibility of Self-Enhancement Bias. <i>International Journal of Aging and Human Development</i> , 2013, 77, 1-16.	1.0	4
59	Validation of SenseWear Armband and ActiHeart monitors for assessments of daily energy expenditure in free-living women with chronic obstructive pulmonary disease. <i>Physiological Reports</i> , 2013, 1, e00150.	0.7	28
60	Study to Determine the Criterion Validity of the SenseWear Armband as a Measure of Physical Activity in People With Rheumatoid Arthritis. <i>Arthritis Care and Research</i> , 2013, 65, 888-895.	1.5	45
61	Energy balance in haemodialysis and peritoneal dialysis patients assessed by a 7-day weighed food diary and a portable armband device. <i>Journal of Human Nutrition and Dietetics</i> , 2013, 26, 276-285.	1.3	4
62	Multivariable Adaptive Closed-Loop Control of an Artificial Pancreas Without Meal and Activity Announcement. <i>Diabetes Technology and Therapeutics</i> , 2013, 15, 386-400.	2.4	135
63	Level of Agreement Between Methods for Measuring Moderate to Vigorous Physical Activity and Sedentary Time in People With Obstructive Sleep Apnea and Obesity. <i>Physical Therapy</i> , 2013, 93, 50-59.	1.1	29
64	A Six-Year Follow-up Study of Social Network Changes among African-American, Caribbean, and U.S.-Born Caucasian Urban Older Adults. <i>International Journal of Aging and Human Development</i> , 2013, 76, 1-27.	1.0	23
65	Energy Availability of Female Varsity Volleyball Players. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2013, 23, 24-30.	1.0	24
66	Validation of Pattern-Recognition Monitors in Children Using Doubly Labeled Water. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1313-1322.	0.2	48
67	Validation of a Previous-Day Recall Measure of Active and Sedentary Behaviors. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1629-1638.	0.2	92
68	Energy Expenditure Evaluation in Humans and Non-Human Primates by SenseWear Armband. Validation of Energy Expenditure Evaluation by SenseWear Armband by Direct Comparison with Indirect Calorimetry. <i>PLoS ONE</i> , 2013, 8, e73651.	1.1	43
69	Reliability and Validity of the Multimedia Activity Recall in Children and Adults (MARCA) in People with Chronic Obstructive Pulmonary Disease. <i>PLoS ONE</i> , 2013, 8, e81274.	1.1	14
70	Effects of Lower Limb Length and Body Proportions on the Energy Cost of Overground Walking in Older Persons. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	0.8	2
71	The Psychological and Physiological Effects of Acute Occupational Stress in New Anesthesiology Residents. <i>Anesthesiology</i> , 2014, 121, 878-893.	1.3	41
72	A pilot program for physical exercise promotion in adults with type 1 diabetes: the PEP-1 program. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 465-471.	0.9	17
73	Validation of two novel monitoring devices to measure physical activity in healthy women. , 2014, 2014, 1727-30.		4
74	Perturbed energy balance and hydration status in ultra-endurance runners during a 24h ultra-marathon. <i>British Journal of Nutrition</i> , 2014, 112, 428-437.	1.2	60

#	ARTICLE	IF	CITATIONS
75	Physical activity and fitness in women with metastatic breast cancer. <i>Journal of Cancer Survivorship</i> , 2014, 8, 647-656.	1.5	58
76	Validity of physical activity monitors for assessing lower intensity activity in adults. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2014, 11, 119.	2.0	76
77	Physical Activity in Police Beyond Self-Report. <i>Journal of Occupational and Environmental Medicine</i> , 2014, 56, 338-343.	0.9	42
78	One Bout of Exercise Alters Free-Living Postprandial Glycemia in Type 2 Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 232-238.	0.2	60
79	Validity of 24-h Physical Activity Recall. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 2014-2024.	0.2	52
80	Daily Physical Activity in Stable Heart Failure Patients. <i>Journal of Cardiovascular Nursing</i> , 2014, 29, 218-226.	0.6	78
81	Validation of the SenseWear Pro3 Armband Using an Incremental Exercise Test. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 2806-2814.	1.0	28
82	Validity of Consumer-Based Physical Activity Monitors. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1840-1848.	0.2	346
83	An experimental assessment of the influence of exercise versus social implementation intentions on physical activity during and following pulmonary rehabilitation. <i>Journal of Behavioral Medicine</i> , 2014, 37, 480-490.	1.1	6
84	Physical Activity After Surgically Obtained Weight Loss: Study with a SenseWear Armband in Subjects Undergoing Biliopancreatic Diversion. <i>Obesity Surgery</i> , 2014, 24, 260-265.	1.1	5
85	A guide to assessing physical activity using accelerometry in cancer patients. <i>Supportive Care in Cancer</i> , 2014, 22, 1121-1130.	1.0	68
86	Top 10 Research Questions Related to Energy Balance. <i>Research Quarterly for Exercise and Sport</i> , 2014, 85, 49-58.	0.8	21
87	Differences in classification of COPD patients into risk groups A-D: a cross-sectional study. <i>BMC Research Notes</i> , 2014, 7, 562.	0.6	19
88	Daily Physical Activity, Functional Capacity and Quality of Life in Patients with COPD. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2014, 11, 689-696.	0.7	41
89	Meal timing during alternate day fasting: Impact on body weight and cardiovascular disease risk in obese adults. <i>Obesity</i> , 2014, 22, 2524-2531.	1.5	98
90	Validation and feasibility of a caloric expenditure measuring device in women with early-stage breast cancer. <i>Supportive Care in Cancer</i> , 2014, 22, 2329-2336.	1.0	2
91	Low validity of the Sensewear Pro3 activity monitor compared to indirect calorimetry during simulated free living in patients with osteoarthritis of the hip. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 43.	0.8	19
92	Examination of mechanisms (E-MECHANIC) of exercise-induced weight compensation: study protocol for a randomized controlled trial. <i>Trials</i> , 2014, 15, 212.	0.7	23

#	ARTICLE	IF	CITATIONS
93	Moderate Cardiorespiratory Fitness Is Positively Associated With Resting Metabolic Rate in Young Adults. <i>Mayo Clinic Proceedings</i> , 2014, 89, 763-771.	1.4	16
94	Practical Guide to Measuring Physical Activity. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2014, 114, 199-208.	0.4	354
95	Accuracy of the SenseWear Armband Mini and the BodyMedia FIT in resistance training. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 630-634.	0.6	20
96	Validation of accelerometry for measuring energy expenditure: a systematic review. <i>Acta Fisiológica</i> , 2014, 21, .	0.0	0
97	Validity of the SenseWear Armband to Assess Energy Expenditure During Intermittent Exercise and Recovery in Rugby Union Players. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 1090-1095.	1.0	16
98	Objective vs. Self-report Sedentary Behavior in Overweight and Obese Young Adults. <i>Journal of Physical Activity and Health</i> , 2015, 12, 1551-1557.	1.0	13
99	Effect of Elliptical High Intensity Interval Training on Metabolic Risk Factor in Pre- and Type 2 Diabetes Patients: A Pilot Study. <i>Journal of Physical Activity and Health</i> , 2015, 12, 942-946.	1.0	28
100	Exercise as medicine—the use of group medical visits to promote physical activity and treat chronic moderate depression: a preliminary 14-week pre-post study. <i>BMJ Open Sport and Exercise Medicine</i> , 2015, 1, e000036.	1.4	11
101	Validity and reliability of Nike+Fuelband for estimating physical activity energy expenditure. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2015, 7, 14.	0.7	25
102	Multidimensional individualised Physical ACTivity (Mi-PACT) – a technology-enabled intervention to promote physical activity in primary care: study protocol for a randomised controlled trial. <i>Trials</i> , 2015, 16, 381.	0.7	22
103	Change in energy expenditure and physical activity in response to aerobic and resistance exercise programs. <i>SpringerPlus</i> , 2015, 4, 798.	1.2	27
104	The Prospective Association between Different Types of Exercise and Body Composition. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2535-2541.	0.2	14
105	Criterion Validity of Competing Accelerometry-Based Activity Monitoring Devices. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2456-2463.	0.2	31
106	Effects of Acute and 2-Hour Postphysical Activity on the Estimation of Body Fat Made by the Bod Pod. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 1527-1533.	1.0	2
107	Sleep characteristics, exercise capacity and physical activity in patients with chronic fatigue syndrome. <i>Disability and Rehabilitation</i> , 2015, 37, 2044-2050.	0.9	14
108	Accelerometer-based Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 833-838.	0.2	135
109	Objectively measured physical activity in obese women with and without migraine. <i>Cephalalgia</i> , 2015, 35, 886-893.	1.8	28
110	Physical activity, fitness, and vascular health in patients with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 809-811.e3.	1.5	13

#	ARTICLE	IF	CITATIONS
111	Exercise Physiology. , 2015, , 77-116.		1
112	The association between different types of exercise and energy expenditure in young nonoverweight and overweight adults. Applied Physiology, Nutrition and Metabolism, 2015, 40, 211-217.	0.9	15
113	Bari-Active: a randomized controlled trial of a preoperative intervention to increase physical activity in bariatric surgery patients. Surgery for Obesity and Related Diseases, 2015, 11, 169-177.	1.0	66
114	Exercise improves quality of life in bariatric surgery candidates: Results from the <scp><i>B</i></scp><i>ariâ€</i><scp><i>A</i></scp><i>ctive</i> trial. Obesity, 2015, 23, 536-542.	1.5	43
116	Objective measures of physical activity, white matter integrity and cognitive status in adults over age 80. Behavioural Brain Research, 2015, 284, 51-57.	1.2	55
117	Effect of an Acute High Carbohydrate Diet on Body Composition Using DXA in Young Men. Annals of Nutrition and Metabolism, 2015, 66, 233-236.	1.0	26
118	Energy Expenditure in Institutionalized Older Adults. Medicine and Science in Sports and Exercise, 2015, 47, 1265-1271.	0.2	7
119	Extremes of weight gain and weight loss with detailed assessments of energy balance: Illustrative case studies and clinical recommendations. Postgraduate Medicine, 2015, 127, 282-288.	0.9	5
120	The validity of consumer-level, activity monitors in healthy adults worn in free-living conditions: a cross-sectional study. International Journal of Behavioral Nutrition and Physical Activity, 2015, 12, 42.	2.0	410
121	Physical activity is unrelated to cognitive performance in pre-bariatric surgery patients. Journal of Psychosomatic Research, 2015, 79, 165-170.	1.2	16
122	Multidimensional Physical Activity. Exercise and Sport Sciences Reviews, 2015, 43, 67-74.	1.6	80
123	Differences in correlates of energy balance in normal weight, overweight and obese adults. Obesity Research and Clinical Practice, 2015, 9, 592-602.	0.8	16
124	Low levels of physical activity are associated with dysregulation of energy intake and fat mass gain over 1 year. American Journal of Clinical Nutrition, 2015, 102, 1332-1338.	2.2	116
125	Objective and subjective measurement of energy expenditure in older adults: a doubly labeled water study. European Journal of Clinical Nutrition, 2015, 69, 850-855.	1.3	36
126	Physical activity and energy expenditure during depressive episodes of major depression. Journal of Affective Disorders, 2015, 174, 310-316.	2.0	35
127	Comparison of total energy expenditure assessed by two devices in controlled and freeâ€living conditions. European Journal of Sport Science, 2015, 15, 391-399.	1.4	19
128	Preventing Excessive Weight Gain During Pregnancy and Promoting Postpartum Weight Loss: A Pilot Lifestyle Intervention for Overweight and Obese African American Women. Maternal and Child Health Journal, 2015, 19, 840-849.	0.7	29
129	The Association of Physical Activity during Weekdays and Weekend with Body Composition in Young Adults. Journal of Obesity, 2016, 2016, 1-8.	1.1	32

#	ARTICLE	IF	CITATIONS
130	Objectively Measured Physical Activity in Home Guard Soldiers During Military Service and Civilian Life. <i>Military Medicine</i> , 2016, 181, 693-700.	0.4	6
131	Comparison of Consumer and Research Monitors under Semistructured Settings. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 151-158.	0.2	135
132	Long-term Physical Activity Behavior After Completion of Traditional Versus Fast-track Cardiac Rehabilitation. <i>Journal of Cardiovascular Nursing</i> , 2016, 31, E1-E7.	0.6	48
133	Genome-wide association analysis of actigraphic sleep phenotypes in the <scp>LIFE</scp> Adult Study. <i>Journal of Sleep Research</i> , 2016, 25, 690-701.	1.7	58
134	Predicting who fails to meet the physical activity guideline in pregnancy: a prospective study of objectively recorded physical activity in a population-based multi-ethnic cohort. <i>BMC Pregnancy and Childbirth</i> , 2016, 16, 186.	0.9	24
135	Home-based aerobic exercise training improves skeletal muscle oxidative metabolism in patients with metabolic myopathies. <i>Journal of Applied Physiology</i> , 2016, 121, 699-708.	1.2	47
136	Six-month changes in ideal cardiovascular health vs. Framingham 10-year coronary heart disease risk among young adults enrolled in a weight loss intervention. <i>Preventive Medicine</i> , 2016, 86, 123-129.	1.6	13
137	Effect of exposure to greater active videogame variety on time spent in moderate- to vigorous-intensity physical activity. <i>Physiology and Behavior</i> , 2016, 161, 99-103.	1.0	5
138	Effects of moderate and vigorous physical activity on fitness and body composition. <i>Journal of Behavioral Medicine</i> , 2016, 39, 624-632.	1.1	30
139	Associations between physical activity and health-related fitness " volume versus pattern. <i>Journal of Sports Sciences</i> , 2017, 35, 1-8.	1.0	6
140	Measurement of daily physical activity using the SenseWear Armband. <i>Chronic Respiratory Disease</i> , 2016, 13, 144-154.	1.0	11
141	Limitations of Current Objective Monitors and Opportunities to Overcome These Problems. <i>Springer Series on Epidemiology and Public Health</i> , 2016, , 335-346.	0.5	1
142	Outputs Available from Objective Monitors. <i>Springer Series on Epidemiology and Public Health</i> , 2016, , 85-112.	0.5	4
143	Subjective Estimation of Physical Activity Using the International Physical Activity Questionnaire Varies by Fitness Level. <i>Journal of Physical Activity and Health</i> , 2016, 13, 79-86.	1.0	30
144	Analysis of female physical activity characteristics according to age and ponderal status in a free-living context: a study from a central Italy sample. <i>Sport Sciences for Health</i> , 2016, 12, 453-462.	0.4	5
145	Experiences measuring sleep and physical activity patterns across a large college cohort with fitbits. , 2016, , .		53
146	Bike Desks in the Office. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, 1257-1263.	0.9	19
147	Feedback from physical activity monitors is not compatible with current recommendations: A recalibration study. <i>Preventive Medicine</i> , 2016, 91, 389-394.	1.6	37

#	ARTICLE	IF	CITATIONS
148	SenseWearMini and Actigraph GT3X Accelerometer Classification of Observed Sedentary and Light-Intensity Physical Activities in a Laboratory Setting. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2016, 68, 116-123.	0.3	14
149	Assessment of energy expenditure, physical activity and sleep pattern in patients with frequent symptomatic ventricular ectopic beats. <i>Nutrition Clinique Et Metabolisme</i> , 2016, 30, 154-157.	0.2	0
150	Worksite Physical Activity Intervention for Ambulatory Clinic Nursing Staff. <i>Workplace Health and Safety</i> , 2016, 64, 313-325.	0.7	38
151	Validation of the SenseWear mini armband in children during semi-structure activity settings. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 41-45.	0.6	30
152	Validation and reliability of two activity monitors for energy expenditure assessment. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 46-50.	0.6	38
153	Evaluation of the ability of three physical activity monitors to predict weight change and estimate energy expenditure. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 758-766.	0.9	9
154	The long-term effects of a randomized trial comparing aerobic interval versus continuous training in coronary artery disease patients: 1-year data from the SAINTEX-CAD study. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 1154-1164.	0.8	55
155	How many days of monitoring are needed to reliably assess SenseWear Armband outcomes in primary school-aged children?. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 999-1003.	0.6	17
156	Aerobic Interval Training Reduces the Burden of Atrial Fibrillation in the Short Term. <i>Circulation</i> , 2016, 133, 466-473.	1.6	201
157	High respiratory quotient is associated with increases in body weight and fat mass in young adults. <i>European Journal of Clinical Nutrition</i> , 2016, 70, 1197-1202.	1.3	39
158	Prospective association between body composition, physical activity and energy intake in young adults. <i>European Journal of Clinical Nutrition</i> , 2016, 70, 482-487.	1.3	13
159	Energy Expenditure After Liver Resection: Validation of a Mobile Device for Estimating Resting Energy Expenditure and an Investigation of Energy Expenditure Change After Liver Resection. <i>Journal of Parenteral and Enteral Nutrition</i> , 2017, 41, 766-775.	1.3	10
160	Reducing Sedentary Behavior Versus Increasing Moderate-to-Vigorous Intensity Physical Activity in Older Adults. <i>Journal of Aging and Health</i> , 2017, 29, 247-267.	0.9	58
161	Subjective and objective assessment of physical activity in multiple sclerosis and their relation to health-related quality of life. <i>BMC Neurology</i> , 2017, 17, 10.	0.8	18
162	Wearable monitors criterion validity for energy expenditure in sedentary and light activities. <i>Journal of Sport and Health Science</i> , 2017, 6, 103-110.	3.3	14
163	Carrying loads: Validating a portable tri-axial accelerometer during frequent and brief physical activity. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, 771-776.	0.6	4
164	Classification of Physical Activity Cut-Points and the Estimation of Energy Expenditure During Walking Using the GT3X+ Accelerometer in Overweight and Obese Adults. <i>Measurement in Physical Education and Exercise Science</i> , 2017, 21, 127-133.	1.3	9
165	Accelerometer use in young people with Down syndrome: A preliminary cross-validation and reliability study. <i>Journal of Intellectual and Developmental Disability</i> , 2017, 42, 339-350.	1.1	2

#	ARTICLE	IF	CITATIONS
166	Smart approaches for assessing free-living energy expenditure following identification of types of physical activity. <i>Obesity Reviews</i> , 2017, 18, 50-55.	3.1	22
167	Measurement of physical activity levels in the Intensive Care Unit and functional outcomes: An observational study. <i>Journal of Critical Care</i> , 2017, 40, 189-196.	1.0	28
168	Weight loss in Weight Watchers Online with and without an activity tracking device compared to control: A randomized trial. <i>Obesity</i> , 2017, 25, 1014-1021.	1.5	72
169	Sedentary behaviour patterns in outpatients with severe mental illness: a cross-sectional study using objective and self-reported methods. The PsychiActive project. <i>Psychiatry Research</i> , 2017, 255, 146-152.	1.7	11
170	Effect of Alternate-Day Fasting on Weight Loss, Weight Maintenance, and Cardioprotection Among Metabolically Healthy Obese Adults. <i>JAMA Internal Medicine</i> , 2017, 177, 930.	2.6	426
171	Concurrent Validity of Wearable Activity Trackers Under Free-Living Conditions. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 1097-1106.	1.0	77
172	Calibration of Self-Report Measures of Physical Activity and Sedentary Behavior. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1473-1481.	0.2	16
173	Sedentary behavior and compensatory mechanisms in response to different doses of exercise—a randomized controlled trial in overweight and obese adults. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 1393-1398.	1.3	4
174	Reliability and concurrent validity of the International Physical Activity Questionnaire short form among pregnant women. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2017, 9, 7.	0.7	52
175	The association of change in physical activity and body weight in the regulation of total energy expenditure. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 377-382.	1.3	21
176	Cross-sectional and longitudinal associations between different exercise types and food cravings in free-living healthy young adults. <i>Appetite</i> , 2017, 118, 82-89.	1.8	17
177	Short- and long-term effectiveness of a three-month individualized need-supportive physical activity counseling intervention at the workplace. <i>BMC Public Health</i> , 2017, 17, 52.	1.2	32
178	Impact of physical activity level and dietary fat content on passive overconsumption of energy in non-obese adults. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 14.	2.0	39
179	Comparison between logbook-reported and objectively-assessed physical activity and sedentary time in breast cancer patients: an agreement study. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2017, 9, 8.	0.7	15
180	A review of the physiological and psychological health and wellbeing of naval service personnel and the modalities used for monitoring. <i>Military Medical Research</i> , 2017, 4, 1.	1.9	45
181	Circadian timing and alignment in healthy adults: associations with BMI, body fat, caloric intake and physical activity. <i>International Journal of Obesity</i> , 2017, 41, 203-209.	1.6	53
182	Temporal and bidirectional associations between physical activity and sleep in primary school-aged children. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 238-242.	0.9	33
183	Physical Activity After Stroke Is Associated With Increased Interhemispheric Connectivity of the Dorsal Attention Network. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 157-167.	1.4	23

#	ARTICLE	IF	CITATIONS
184	Measuring Physical Activity in Older Adults Using MotionWatch 8 Actigraphy: How Many Days are Needed?. <i>Journal of Aging and Physical Activity</i> , 2017, 25, 51-57.	0.5	26
185	Effect of alternate day fasting on markers of bone metabolism: An exploratory analysis of a 6-month randomized controlled trial. <i>Nutrition and Healthy Aging</i> , 2017, 4, 255-263.	0.5	27
186	Multivariate Statistical Monitoring of Sensor Faults of A Multivariable Artificial Pancreas. <i>IFAC-PapersOnLine</i> , 2017, 50, 10998-11004.	0.5	7
187	Monitoring Energy Expenditure Using a Multi-Sensor Device—Applications and Limitations of the SenseWear Armband in Athletic Populations. <i>Frontiers in Physiology</i> , 2017, 8, 983.	1.3	24
188	Physical Capacity and Energy Expenditure of Cavers. <i>Frontiers in Physiology</i> , 2017, 8, 1067.	1.3	7
189	Is the SenseWear Armband accurate enough to quantify and estimate energy expenditure in healthy adults?. <i>Annals of Translational Medicine</i> , 2017, 5, 97-97.	0.7	32
190	Energy Expenditure, Availability, and Dietary Intake Assessment in Competitive Female Dragon Boat Athletes. <i>Sports</i> , 2017, 5, 45.	0.7	7
191	Association of Occupational and Leisure-Time Physical Activity with Aerobic Capacity in a Working Population. <i>PLoS ONE</i> , 2017, 12, e0168683.	1.1	25
192	Energy expenditure in caving. <i>PLoS ONE</i> , 2017, 12, e0170853.	1.1	14
193	Physical activity and sedentary behaviour in daily life: A comparative analysis of the Global Physical Activity Questionnaire (GPAQ) and the SenseWear armband. <i>PLoS ONE</i> , 2017, 12, e0177765.	1.1	38
194	Investigating Children's Short-Term Responses to Imposed or Restricted Physical Activity. <i>Journal of Physical Activity and Health</i> , 2018, 15, 239-246.	1.0	15
195	The Influence of Life Events and Psychological Stress on Objectively Measured Physical Activity: A 12-Month Longitudinal Study. <i>Journal of Physical Activity and Health</i> , 2018, 15, 374-382.	1.0	11
196	A randomized controlled trial to prevent excessive gestational weight gain and promote postpartum weight loss in overweight and obese women: Health In Pregnancy and Postpartum (HIPP). <i>Contemporary Clinical Trials</i> , 2018, 66, 51-63.	0.8	38
197	Validation of the Stanford Leisure-Time Activity Categorical Item (Lâ€Cat) using armband activity monitor data. <i>Obesity Science and Practice</i> , 2018, 4, 276-282.	1.0	14
198	Case Study: Physical Capacity and Nutritional Status Before and After a Single-Handed Yacht Race. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2018, 28, 558-563.	1.0	2
199	Basal insulin peglispro increases lipid oxidation, metabolic flexibility, thermogenesis and ketone bodies compared to insulin glargine in subjects with type 1 diabetes mellitus. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1193-1201.	2.2	6
200	Effect of the physical activity program on the treatment of resistant hypertension in primary care. <i>Primary Health Care Research and Development</i> , 2018, 19, 575-583.	0.5	13
201	Does modifying the timing of meal intake improve cardiovascular risk factors? Protocol of an Australian pilot intervention in night shift workers with abdominal obesity. <i>BMJ Open</i> , 2018, 8, e020396.	0.8	9

#	ARTICLE	IF	CITATIONS
202	Energy Intake Derived from an Energy Balance Equation, Validated Activity Monitors, and Dual X-Ray Absorptiometry Can Provide Acceptable Caloric Intake Data among Young Adults. <i>Journal of Nutrition</i> , 2018, 148, 490-496.	1.3	31
203	Potential moderators of day-to-day variability in children's physical activity patterns. <i>Journal of Sports Sciences</i> , 2018, 36, 637-644.	1.0	20
204	Validation of SenseWear Armband in children, adolescents, and adults. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 487-495.	1.3	21
205	Analysis of Physical Activity Among Free-Living Nonagenarians From a Sardinian Longevous Population. <i>Journal of Aging and Physical Activity</i> , 2018, 26, 254-258.	0.5	18
206	Sedentary behaviour, physical activity, cardiorespiratory fitness and cardiometabolic risk in psychosis: The PsychiActive project. <i>Schizophrenia Research</i> , 2018, 195, 142-148.	1.1	12
207	Substituting Sedentary Time With Light and Moderate to Vigorous Physical Activity is Associated With Better Cardiometabolic Health. <i>Journal of Physical Activity and Health</i> , 2018, 15, 197-203.	1.0	21
208	Relationship between objectively measured sedentary behavior and health outcomes in schizophrenia patients: The PsychiActive project. <i>Schizophrenia Research</i> , 2018, 197, 87-92.	1.1	9
209	Comparison of In-Person and Online Motivational Interviewing-Based Health Coaching. <i>Health Promotion Practice</i> , 2018, 19, 513-521.	0.9	16
210	Reciprocal relationship between sedentary behavior and mood in young adults over one-year duration. <i>Mental Health and Physical Activity</i> , 2018, 14, 157-162.	0.9	14
211	Effects of alternate-day fasting or daily calorie restriction on body composition, fat distribution, and circulating adipokines: Secondary analysis of a randomized controlled trial. <i>Clinical Nutrition</i> , 2018, 37, 1871-1878.	2.3	93
212	Impact of prolonged overfeeding on skeletal muscle mitochondria in healthy individuals. <i>Diabetologia</i> , 2018, 61, 466-475.	2.9	13
213	Psychosocial Determinants of Weight Loss Among Young Adults With Overweight and Obesity. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2018, 38, 104-110.	1.2	1
214	Ambulatory Blood Pressure Reactivity as a Moderator in the Association Between Daily Life Psychosocial Stress and Carotid Artery Atherosclerosis. <i>Psychosomatic Medicine</i> , 2018, 80, 774-782.	1.3	19
215	Can we improve cognitive function among adults with osteoarthritis by increasing moderate-to-vigorous physical activity and reducing sedentary behaviour? Secondary analysis of the MONITOR-OA study. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 447.	0.8	15
216	Energy expenditure of type-specific sedentary behaviors estimated using sensewear mini armband. <i>Kinesiology</i> , 2018, 50, 52-56.	0.3	1
217	The Role of Energy Balance on Colorectal Cancer Survival. <i>Current Colorectal Cancer Reports</i> , 2018, 14, 266-273.	1.0	1
218	Methods for Activity Monitor Validation Studies: An Example With the Fitbit Charge. <i>Journal for the Measurement of Physical Behaviour</i> , 2018, 1, 130-135.	0.5	24
219	Dietary Intake and Physical Activity Assessment: Current Tools, Techniques, and Technologies for Use in Adult Populations. <i>American Journal of Preventive Medicine</i> , 2018, 55, e93-e104.	1.6	72

#	ARTICLE	IF	CITATIONS
220	Impact of Cardiac Resynchronization Therapy on Daily Physical Activity in Heart Failure Patients. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2018, 38, E1-E4.	1.2	2
221	How well do activity monitors estimate energy expenditure? A systematic review and meta-analysis of the validity of current technologies. <i>British Journal of Sports Medicine</i> , 2020, 54, bjsports-2018-099643.	3.1	96
222	Impact of EPOC adjustment on estimation of energy expenditure using activity monitors. <i>Journal of Medical Engineering and Technology</i> , 2018, 42, 265-273.	0.8	7
223	Energy compensation in response to aerobic exercise training in overweight adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R619-R626.	0.9	28
224	Short-term effects of physical activity, air pollution and their interaction on the cardiovascular and respiratory system. <i>Environment International</i> , 2018, 117, 82-90.	4.8	88
225	A systematic literature review of reviews on techniques for physical activity measurement in adults: a DEDIPAC study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018, 15, 15.	2.0	230
226	Validity of an online 24-h recall tool (myfood24) for dietary assessment in population studies: comparison with biomarkers and standard interviews. <i>BMC Medicine</i> , 2018, 16, 136.	2.3	82
227	Validation of the Oxford WebQ Online 24-Hour Dietary Questionnaire Using Biomarkers. <i>American Journal of Epidemiology</i> , 2019, 188, 1858-1867.	1.6	109
228	Differential Effects of Alternate-Day Fasting Versus Daily Calorie Restriction on Insulin Resistance. <i>Obesity</i> , 2019, 27, 1443-1450.	1.5	81
229	The Impact of Timing of Exercise Initiation on Weight Loss: An 18-Month Randomized Clinical Trial. <i>Obesity</i> , 2019, 27, 1828-1838.	1.5	10
230	Effects of a Web-Based, Evolutionary Mismatch-Framed Intervention Targeting Physical Activity and Diet: a Randomised Controlled Trial. <i>International Journal of Behavioral Medicine</i> , 2019, 26, 645-657.	0.8	12
231	Calibration and Validation of the Youth Activity Profile as a Physical Activity and Sedentary Behaviour Surveillance Tool for English Youth. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3711.	1.2	19
232	Metabolic adaptation is not observed after 8 weeks of overfeeding but energy expenditure variability is associated with weight recovery. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 805-813.	2.2	19
233	Use of previous-day recalls of physical activity and sedentary behavior in epidemiologic studies: results from four instruments. <i>BMC Public Health</i> , 2019, 19, 478.	1.2	21
234	Moderate-to-Vigorous-Intensity Physical Activity Observed in People With Diabetes-Related Foot Ulcers Over a One-Week Period. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 827-835.	1.3	8
235	Relationship of Activity Patterns to Acute Mountain Sickness in South Pole Workers. <i>International Journal of Sports Medicine</i> , 2019, 40, 440-446.	0.8	1
236	Inducing incentive sensitization of exercise reinforcement among adults who do not regularly exercise—A randomized controlled trial. <i>PLoS ONE</i> , 2019, 14, e0216355.	1.1	6
237	Associations between cardiorespiratory fitness, physical activity, intraindividual variability in behavior, and cingulate cortex in younger adults. <i>Journal of Sport and Health Science</i> , 2019, 8, 315-324.	3.3	28

#	ARTICLE	IF	CITATIONS
238	Time-Restricted Feeding Improves Glucose Tolerance in Men at Risk for Type 2 Diabetes: A Randomized Crossover Trial. <i>Obesity</i> , 2019, 27, 724-732.	1.5	306
239	The test-retest reliability and criterion validity of the Sensewear mini and Actiheart in two climatologically different countries. <i>Health and Technology</i> , 2019, 9, 647-656.	2.1	1
240	Dietary Intake and Energy Expenditure Assessed during a Pre-Season Period in Elite Gaelic Football Players. <i>Sports</i> , 2019, 7, 62.	0.7	16
241	Effects of physical activity and air pollution on blood pressure. <i>Environmental Research</i> , 2019, 173, 387-396.	3.7	23
242	Effect of Ramadan Fasting on Weight and Body Composition in Healthy Non-Athlete Adults: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2019, 11, 478.	1.7	137
243	Estimating energy expenditure from wrist and thigh accelerometry in free-living adults: a doubly labelled water study. <i>International Journal of Obesity</i> , 2019, 43, 2333-2342.	1.6	81
244	Quadriceps Muscle Strength and Body Mass Index Are Associated With Estimates of Physical Activity Postheart Transplantation. <i>Transplantation</i> , 2019, 103, 1253-1259.	0.5	2
245	Physical Activity and Sedentary Time: Association with Metabolic Health and Liver Fat. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1169-1177.	0.2	40
246	Use of Activity Trackers in Orthopaedics. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2019, 27, e859-e866.	1.1	4
247	Standardising the measurement of physical activity in people receiving haemodialysis: considerations for research and practice. <i>BMC Nephrology</i> , 2019, 20, 450.	0.8	7
248	Structured, aerobic exercise reduces fat mass and is partially compensated through energy intake but not energy expenditure in women. <i>Physiology and Behavior</i> , 2019, 199, 56-65.	1.0	27
249	Harmonizing Monitor- and Report-Based Estimates of Physical Activity Through Calibration. <i>Kinesiology Review</i> , 2019, 8, 16-24.	0.4	7
250	Sedentary behavior and physical activity in cardiac rehabilitation participants. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2019, 48, 8-12.	0.8	18
251	Comparative effectiveness of a standard behavioral and physical activity enhanced behavioral weight loss intervention in Black women. <i>Women and Health</i> , 2020, 60, 676-691.	0.4	3
252	The validity of two widely used commercial and research-grade activity monitors, during resting, household and activity behaviours. <i>Health and Technology</i> , 2020, 10, 637-648.	2.1	17
253	Effect of novel technology-enabled multidimensional physical activity feedback in primary care patients at risk of chronic disease – the MIPACT study: a randomised controlled trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 99.	2.0	14
254	Validity of Accelerometers for the Evaluation of Energy Expenditure in Obese and Overweight Individuals: A Systematic Review. <i>Journal of Nutrition and Metabolism</i> , 2020, 2020, 1-22.	0.7	21
255	The Length and Number of Sedentary Bouts Predict Fibrinogen Levels in Postmenopausal Women. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3051.	1.2	12

#	ARTICLE	IF	CITATIONS
256	Sedentary Time and Physical Activity in Older Women Undergoing Exercise Training. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2590-2598.	0.2	3
257	Assessment of energy intake and total energy expenditure in a series of patients who have undergone oesophagectomy following neoadjuvant treatment. <i>Clinical Nutrition ESPEN</i> , 2020, 37, 121-128.	0.5	3
258	Improving energy expenditure estimates from wearable devices: A machine learning approach. <i>Journal of Sports Sciences</i> , 2020, 38, 1496-1505.	1.0	29
259	Assessment of Physical Activity Patterns in Adolescent Patients with Anorexia Nervosa and Their Effect on Weight Gain. <i>Journal of Clinical Medicine</i> , 2020, 9, 727.	1.0	5
260	High Intensity Interval Training Does Not Have Compensatory Effects on Physical Activity Levels in Older Adults. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1083.	1.2	13
261	Associations of movement behaviors and body mass index: comparison between a report-based and monitor-based method using Compositional Data Analysis. <i>International Journal of Obesity</i> , 2021, 45, 266-275.	1.6	14
262	Changes in cardiorespiratory fitness and activity levels over the first year after discharge in ambulatory persons with recent incomplete spinal cord injury. <i>Spinal Cord</i> , 2021, 59, 354-360.	0.9	3
263	Exercise physiology. , 2021, , 81-122.		1
264	Motion Sensors for Physical Activity Assessment: Review of Applications. , 2021, , .		0
265	A Behavioral Lifestyle Intervention to Limit Gestational Weight Gain in Pregnant Women with Overweight and Obesity. <i>Obesity</i> , 2021, 29, 672-680.	1.5	18
266	Objectively Measured Physical Activity Increases Only in Males During a Summer Camp for Obese Children. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 624449.	0.9	4
267	Monitoring Physical Activity with a Wearable Sensor in Patients with COPD during In-Hospital Pulmonary Rehabilitation Program: A Pilot Study. <i>Sensors</i> , 2021, 21, 2742.	2.1	10
268	The relationship between sleep and physical activity: the moderating role of daily alcohol consumption. <i>Sleep</i> , 2021, 44, .	0.6	7
269	Physical activity on prescription in patients with hip or knee osteoarthritis: A randomized controlled trial. <i>Clinical Rehabilitation</i> , 2021, 35, 1465-1477.	1.0	5
270	A Wrinkle in Measuring Time Use for Cognitive Health: How should We Measure Physical Activity, Sedentary Behaviour and Sleep?. <i>American Journal of Lifestyle Medicine</i> , 2023, 17, 258-275.	0.8	14
271	Sleep and physical activity from before conception to the end of pregnancy in healthy women: a longitudinal actigraphy study. <i>Sleep Medicine</i> , 2021, 83, 89-98.	0.8	14
272	Physical activity of patients with critical illness undergoing rehabilitation in intensive care and on the acute ward: An observational cohort study. <i>Australian Critical Care</i> , 2021, , .	0.6	4
273	Association of physical activity with blood pressure in African ancestry men. <i>Preventive Medicine Reports</i> , 2021, 23, 101458.	0.8	6

#	ARTICLE	IF	CITATIONS
275	Impact of Combined Hormonal Contraceptive Use on Weight Loss: A Secondary Analysis of a Behavioral Weight Loss Trial. <i>Obesity</i> , 2020, 28, 1040-1049.	1.5	6
276	K-Sense: Towards a Kinematic Approach for Measuring Human Energy Expenditure. <i>Lecture Notes in Computer Science</i> , 2014, , 166-181.	1.0	2
277	Sleep duration partially accounts for race differences in diurnal cortisol dynamics.. <i>Health Psychology</i> , 2017, 36, 502-511.	1.3	21
278	Do Physical Activity, Caloric Intake, and Sleep Vary Together Day to Day? Exploration of Intraindividual Variability in 3 Key Health Behaviors. <i>Journal of Physical Activity and Health</i> , 2020, 17, 45-51.	1.0	10
279	Multi-instrument assessment of physical activity in female office workers. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2016, 29, 937-945.	0.6	7
280	Estimating Youth Locomotion Ground Reaction Forces Using an Accelerometer-Based Activity Monitor. <i>PLoS ONE</i> , 2012, 7, e48182.	1.1	35
281	Energy Expenditure during Sexual Activity in Young Healthy Couples. <i>PLoS ONE</i> , 2013, 8, e79342.	1.1	38
282	Physical Activity Assessment in Patients with Axial Spondyloarthritis Compared to Healthy Controls: A Technology-Based Approach. <i>PLoS ONE</i> , 2014, 9, e85309.	1.1	73
283	B-MOBILE - A Smartphone-Based Intervention to Reduce Sedentary Time in Overweight/Obese Individuals: A Within-Subjects Experimental Trial. <i>PLoS ONE</i> , 2014, 9, e100821.	1.1	160
284	Validation of a Pre-Coded Food Diary Used among 60-80 Year Old Men: Comparison of Self-Reported Energy Intake with Objectively Recorded Energy Expenditure. <i>PLoS ONE</i> , 2014, 9, e102029.	1.1	11
285	Step Detection and Activity Recognition Accuracy of Seven Physical Activity Monitors. <i>PLoS ONE</i> , 2015, 10, e0118723.	1.1	140
286	The Understanding and Interpretation of Innovative Technology-Enabled Multidimensional Physical Activity Feedback in Patients at Risk of Future Chronic Disease. <i>PLoS ONE</i> , 2015, 10, e0126156.	1.1	19
287	Physical Workload and Work Capacity across Occupational Groups. <i>PLoS ONE</i> , 2016, 11, e0154073.	1.1	31
288	Independent Associations between Sedentary Time, Moderate-To-Vigorous Physical Activity, Cardiorespiratory Fitness and Cardio-Metabolic Health: A Cross-Sectional Study. <i>PLoS ONE</i> , 2016, 11, e0160166.	1.1	32
289	Validation of the Regicor Short Physical Activity Questionnaire for the Adult Population. <i>PLoS ONE</i> , 2017, 12, e0168148.	1.1	133
290	Assessment of laboratory and daily energy expenditure estimates from consumer multi-sensor physical activity monitors. <i>PLoS ONE</i> , 2017, 12, e0171720.	1.1	92
291	Metabolic syndrome is associated with reduced flow mediated dilation independent of obesity status. <i>European Journal of Endocrinology</i> , 2020, 183, 211-220.	1.9	10
293	Special considerations for nutritional studies in elderly. <i>Nutricion Hospitalaria</i> , 2015, 31 Suppl 3, 84-90.	0.2	13

#	ARTICLE	IF	CITATIONS
294	A randomised, double-blind, placebo-controlled trial of repeated nebulisation of non-viral cystic fibrosis transmembrane conductance regulator (CFTR) gene therapy in patients with cystic fibrosis. Efficacy and Mechanism Evaluation, 2016, 3, 1-210.	0.9	22
295	The association between sedentary behaviors during weekdays and weekend with change in body composition in young adults. AIMS Public Health, 2016, 3, 375-388.	1.1	4
296	The influence of intermittent fasting on the circadian pattern of melatonin while controlling for caloric intake, energy expenditure, light exposure, and sleep schedules: A preliminary report. Annals of Thoracic Medicine, 2017, 12, 183.	0.7	23
297	Physical activity in persons with Parkinson disease: A feasibility study. Health, 2012, 04, 1145-1152.	0.1	5
298	Overview and prospect: food and nutrition of seafarers on merchant ships. International Maritime Health, 2013, 64, 191-194.	0.3	20
299	Energy expenditure and intake in judo athletes during training camp. Journal of Combat Sports and Martial Arts, 2011, 2, 7-11.	0.1	5
300	Experience Sampling Method: Theory and Practice. The Korean Journal of Measurement and Evaluation in Physical Education and Sports Science, 2010, 12, 59-76.	0.2	2
302	Physical Activity Measures. , 2016, , 77-82.		2
303	Physical Activity Measurement By SWA in Employees: Weekdays And Weekend. Physical Activity Review, 0, 5, 167-175.	0.6	2
304	Intensification of regular physical activity in patients with resistant hypertension. Pediatria I Medycyna Rodzinna, 2017, 13, 368-376.	2.3	1
305	De Yi Yik E Yimlerde Y 1/4 r 1/4 y 1/4 y Esnas ında Enerji Harcamas ı: Y ıntemsel Kar ı la ıt ırma. Spor Bilimleri Dergisi Hacettepe ıcniversitesi, 0, , 53-66.	0.3	1
308	The Contemporary Model of The Physical Activity and Sedentary Behavior in The Concepts of Behavioral Epidemiology as The Basis for Obesity Research and The Choice of Methods and Tools for Measuring Behavior and Human Movement of Children and Youth. Discussion Paper. Journal of Kinesiology and Exercise Sciences, 2020, 30, 81-99.	0.1	1
309	Declared and real physical activity in obese individuals as assessed by the questionnaire and accelerometer. Journal of Sports Medicine and Physical Fitness, 2020, 60, 1576-1582.	0.4	0
310	Energy expenditure and habitual physical activities in adolescent sprint athletes. Journal of Sports Science and Medicine, 2011, 10, 362-8.	0.7	5
311	Evaluating Energy Expenditure Estimated by Wearable Technology During Variable Intensity Activity on Female Collegiate Athletes. International Journal of Exercise Science, 2018, 11, 598-608.	0.5	3
312	Measuring Physical Activity Using Triaxial Wrist Worn Polar Activity Trackers: A Systematic Review. International Journal of Exercise Science, 2020, 13, 438-454.	0.5	8
313	Effects of indulgent food snacking, with and without exercise training, on body weight, fat mass, and cardiometabolic risk markers in overweight and obese men. Physiological Reports, 2021, 9, e15118.	0.7	3
314	Motivational profiles and change in physical activity during a weight loss intervention: a secondary data analysis. International Journal of Behavioral Nutrition and Physical Activity, 2021, 18, 158.	2.0	5

#	ARTICLE	IF	CITATIONS
316	Supporting Behavior Change in Sedentary Adults via Real-time Multidimensional Physical Activity Feedback: Mixed Methods Randomized Controlled Trial. <i>JMIR Formative Research</i> , 2022, 6, e26525.	0.7	2
317	Integration of Report-Based Methods to Enhance the Interpretation of Monitor-Based Research: Results From the Free-Living Activity Study for Health Project. <i>Journal for the Measurement of Physical Behaviour</i> , 2022, 5, 42-48.	0.5	0
319	Mitochondrial Mass of Na ⁺ ve T Cells Is Associated with Aerobic Fitness and Energy Expenditure of Active and Inactive Adults. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 1288-1299.	0.2	1
320	Association with Temperature Variability and Physical Activity, Sedentary Behavior, and Sleep in a Free-Living Population. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13077.	1.2	0
321	Effects of a Short-Term Slackline Training Program on Energy Expenditure and Balance in Healthy Young Adults: A Preliminary Report of a Randomized Controlled Trial. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4830.	1.2	0
322	The Multi-Caregiver Role and Its Relationship to Behavioral Adherence and Weight Among Treatment Engaged Black Women. <i>American Journal of Health Promotion</i> , 2022, , 089011712210923.	0.9	1
327	Quality Evaluation of Free-living Validation Studies for the Assessment of 24-Hour Physical Behavior in Adults via Wearables: Systematic Review. <i>JMIR MHealth and UHealth</i> , 2022, 10, e36377.	1.8	7
328	Non-Right Handedness is Associated with More Time Awake After Sleep Onset and Higher Daytime Sleepiness Than Right Handedness: Objective (Actigraphic) and Subjective Data from a Large Community Sample. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 877-890.	1.4	0
329	The independent associations of physical activity and sleep with neural activity during an inhibitory task: cross-sectional results from the <sc>MONITOR</sc> study. <i>Journal of Sleep Research</i> , 2022, 31, .	1.7	3
330	Augmented Rehabilitation Program for Patients 60 Years and Younger Following Total Hip Arthroplasty—Feasibility Study. <i>Healthcare (Switzerland)</i> , 2022, 10, 1274.	1.0	0
331	Valida�o da acelerometria para medida do gasto energ�tico: revis�o sistem�tica. <i>Acta Fisi�trica</i> , 2014, 21, 87-92.	0.0	0
332	Cross-Sectional and Individual Relationships between Physical Activity and Glycemic Variability. <i>Translational Journal of the American College of Sports Medicine</i> , 2022, 7, 1-12.	0.3	1
333	The Intensity of Physical Activity in Asthmatic Children During Active Video Game Playing. <i>European Medical Journal Allergy & Immunology</i> , 0, , 101-107.	0.0	1
334	Replacing sedentary time with light activity was associated with less adiposity across several depots in African ancestry men. <i>Obesity</i> , 2022, 30, 2489-2496.	1.5	1
335	Nutritional Supports in Congenital Heart Disease. , 2023, , 971-987.		0
336	Reallocating sedentary time to physical activity: effects on fatigue and quality of life in patients with breast cancer in the Phys-Can project. <i>Supportive Care in Cancer</i> , 2023, 31, .	1.0	1
337	Association between Different Types of Exercise and Intake of Nutrients including Carbohydrate, Fat, Protein, and B Vitamins in Young Adults. <i>Nutrients</i> , 2023, 15, 806.	1.7	3
338	Associations between social support and physical activity in postpartum: a Norwegian multi-ethnic cohort study. <i>BMC Public Health</i> , 2023, 23, .	1.2	1

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------