Stewart G Trost

List of Publications by Citations

240 papers	21,392 citations	67 h-index	144 g-index
271 ext. papers	23,561 ext. citations	3.2 avg, IF	6.9 L-index

#	Paper	IF	Citations
240	Evidence based physical activity for school-age youth. *Journal of Pediatrics*, **2005**, 146, 732-7	3.6	2487
239	Correlates of adults' participation in physical activity: review and update. *Medicine and Science in Sports and Exercise*, **2002**, 34, 1996-2001	1.2	1747
238	Conducting accelerometer-based activity assessments in field-based research. *Medicine and Science in Sports and Exercise*, **2005**, 37, S531-43	1.2	1214
237	Comparison of accelerometer cut points for predicting activity intensity in youth. *Medicine and Science in Sports and Exercise*, **2011**, 43, 1360-8	1.2	916
236	Age and gender differences in objectively measured physical activity in youth. *Medicine and Science in Sports and Exercise*, **2002**, 34, 350-5	1.2	853
235	Using objective physical activity measures with youth: how many days of monitoring are needed?. *Medicine and Science in Sports and Exercise*, **2000**, 32, 426-31	1.2	701
234	Evaluating a model of parental influence on youth physical activity. *American Journal of Preventive Medicine*, **2003**, 25, 277-82	6.1	497
233	Validity of the computer science and applications (CSA) activity monitor in children. *Medicine and Science in Sports and Exercise*, **1998**, 30, 629-33	1.2	490
232	Accelerometer data reduction: a comparison of four reduction algorithms on select outcome variables. *Medicine and Science in Sports and Exercise*, **2005**, 37, S544-54	1.2	452
231	Physical activity among children attending preschools. *Pediatrics*, **2004**, 114, 1258-63	7.4	413
230	Physical activity and determinants of physical activity in obese and non-obese children. *International Journal of Obesity*, **2001**, 25, 822-9	5.5	413
229	Test-retest reliability of four physical activity measures used in population surveys. *Journal of Science and Medicine in Sport*, **2004**, 7, 205-15	4.4	387
228	Measuring and influencing physical activity with smartphone technology: a systematic review. *Sports Medicine*, **2014**, 44, 671-86	10.6	385
227	Sports participation and health-related behaviors among US youth. *JAMA Pediatrics*, **2000**, 154, 904-11		321
226	Compliance with physical activity guidelines: prevalence in a population of children and youth. *Annals of Epidemiology*, **2002**, 12, 303-8	6.4	298
225	Associations between physical activity and other health behaviors in a representative sample of US adolescents. *American Journal of Public Health*, **1996**, 86, 1577-81	5.1	298
224	Indexes of insulin resistance and secretion in obese children and adolescents: a validation study. *Diabetes Care*, **2004**, 27, 314-9	14.6	254

223	Physical activity in overweight and nonoverweight preschool children. *International Journal of Obesity*, **2003**, 27, 834-9	5.5	239
222	State of the Art Reviews: Measurement of Physical Activity in Children and Adolescents. *American Journal of Lifestyle Medicine*, **2007**, 1, 299-314	1.9	238
221	A prospective study of the determinants of physical activity in rural fifth-grade children. *Preventive Medicine*, **1997**, 26, 257-63	4.3	234
220	A collaborative approach to adopting/adapting guidelines - The Australian 24-Hour Movement Guidelines for the early years (Birth to 5 years): an integration of physical activity, sedentary behavior, and sleep. *BMC Public Health*, **2017**, 17, 869	4.1	202
219	Factorial validity and invariance of questionnaires measuring social-cognitive determinants of physical activity among adolescent girls. *Preventive Medicine*, **2000**, 31, 584-94	4.3	186
218	Calibration and validation of wearable monitors. *Medicine and Science in Sports and Exercise*, **2012**, 44, S32-8	1.2	179
217	Validation of a 3-Day Physical Activity Recall Instrument in Female Youth. *Pediatric Exercise Science*, **2003**, 15, 257-265	2	177
216	Calibration and Evaluation of an Objective Measure of Physical Activity in Preschool Children. *Journal of Physical Activity and Health*, **2005**, 2, 345-357	2.5	175
215	Objective measurement of physical activity in youth: current issues, future directions. *Exercise and Sport Sciences Reviews*, **2001**, 29, 32-6	6.7	175
214	Life transitions and changing physical activity patterns in young women. *American Journal of Preventive Medicine*, **2003**, 25, 140-3	6.1	173
213	Tracking of physical activity in young children. *Medicine and Science in Sports and Exercise*, **1996**, 28, 92-6	1.2	171
212	Physical activity levels among children attending after-school programs. *Medicine and Science in Sports and Exercise*, **2008**, 40, 622-9	1.2	161
211	Correlates of sedentary behaviours in preschool children: a review. *International Journal of Behavioral Nutrition and Physical Activity*, **2010**, 7, 66	8.4	160
210	Mediators of physical activity behavior change among women with young children. *American Journal of Preventive Medicine*, **2002**, 23, 98-103	6.1	160
209	Comparison of three generations of ActiGraph activity monitors in children and adolescents. *Journal of Sports Sciences*, **2012**, 30, 1429-35	3.6	156
208	Influences of preschool policies and practices on children's physical activity. *Journal of Community Health*, **2004**, 29, 183-96	4	154
207	Effects of four different single exercise sessions on lipids, lipoproteins, and lipoprotein lipase. *Journal of Applied Physiology*, **1998**, 85, 1169-74	3.7	153
206	Parental influences on physical activity behavior in preschool children. *Preventive Medicine*, **2010**, 50, 129-33	4.3	152

205	Parental Influences on Physical Activity Behavior in Children and Adolescents: A Brief Review. *American Journal of Lifestyle Medicine*, **2011**, 5, 171-181	1.9	135
204	A Youth Compendium of Physical Activities: Activity Codes and Metabolic Intensities. *Medicine and Science in Sports and Exercise*, **2018**, 50, 246-256	1.2	131
203	An Instrument to Assess the Obesogenic Environment of Child Care Centers. *American Journal of Health Behavior*, **2008**, 32,	1.9	130
202	Predictive validity of three ActiGraph energy expenditure equations for children. *Medicine and Science in Sports and Exercise*, **2006**, 38, 380-7	1.2	130
201	Correlates of objectively measured physical activity in preadolescent youth. *American Journal of Preventive Medicine*, **1999**, 17, 120-6	6.1	130
200	Machine learning for activity recognition: hip versus wrist data. *Physiological Measurement*, **2014**, 35, 2183-9	2.9	129
199	Comparison of surveys used to measure physical activity. *Australian and New Zealand Journal of Public Health*, **2004**, 28, 128-34	2.3	124
198	Feasibility and efficacy of a "move and learn" physical activity curriculum in preschool children. *Journal of Physical Activity and Health*, **2008**, 5, 88-103	2.5	116
197	Physical Activity, Self-Regulation, and Early Academic Achievement in Preschool Children. *Early Education and Development*, **2014**, 25, 56-70	1.4	113
196	Identification and validity of accelerometer cut-points for toddlers. *Obesity*, **2012**, 20, 2317-9	8	113
195	Why are early maturing girls less active? Links between pubertal development, psychological well-being, and physical activity among girls at ages 11 and 13. *Social Science and Medicine*, **2007**, 64, 2391-404	5.1	113
194	A review of preschool children's physical activity and sedentary time using objective measures. *American Journal of Preventive Medicine*, **2014**, 47, 487-97	6.1	112
193	Gender differences in physical activity and determinants of physical activity in rural fifth grade children. *Journal of School Health*, **1996**, 66, 145-50	2.1	104
192	How are falls and fear of falling associated with objectively measured physical activity in a cohort of community-dwelling older men?. *BMC Geriatrics*, **2014**, 14, 114	4.1	98
191	Effects of child care policy and environment on physical activity. *Medicine and Science in Sports and Exercise*, **2010**, 42, 520-5	1.2	98
190	Artificial neural networks to predict activity type and energy expenditure in youth. *Medicine and Science in Sports and Exercise*, **2012**, 44, 1801-9	1.2	93
189	Calibration and comparison of accelerometer cut points in preschool children. *Pediatric Obesity*, **2011**, 6, e582-9		92
188	Advances in population surveillance for physical activity and sedentary behavior: reliability and validity of time use surveys. *American Journal of Epidemiology*, **2010**, 172, 1199-206	3.8	91

187	Patterns of accelerometer-assessed sedentary behavior in older women. *JAMA - Journal of the American Medical Association*, **2013**, 310, 2562-3	27.4	90
186	Clinical use of objective measures of physical activity. *British Journal of Sports Medicine*, **2014**, 48, 178-81	10.3	85
185	An instrument to assess the obesogenic environment of child care centers. *American Journal of Health Behavior*, **2008**, 32, 380-6	1.9	85
184	Evaluation of a community-based intervention to promote physical activity in youth: lessons from Active Winners. *American Journal of Health Promotion*, **2003**, 17, 171-82	2.5	84
183	Field evaluation of a random forest activity classifier for wrist-worn accelerometer data. *Journal of Science and Medicine in Sport*, **2017**, 20, 75-80	4.4	82
182	Correlates of physical activity behavior in rural youth. *Research Quarterly for Exercise and Sport*, **1997**, 68, 241-8	1.9	81
181	Tracking of Physical Activity, Physical Inactivity, and Health-Related Physical Fitness in Rural Youth. *Pediatric Exercise Science*, **1999**, 11, 364-376	2	77
180	Effects of a pediatric weight management program with and without active video games a randomized trial. *JAMA Pediatrics*, **2014**, 168, 407-13	8.3	73
179	Advanced pubertal status at age 11 and lower physical activity in adolescent girls. *Journal of Pediatrics*, **2007**, 151, 488-93	3.6	72
178	Differences in physical activity between black and white girls living in rural and urban areas. *Journal of School Health*, **2002**, 72, 250-5	2.1	72
177	Validity of accelerometry in ambulatory children and adolescents with cerebral palsy. *European Journal of Applied Physiology*, **2011**, 111, 2951-9	3.4	70
176	Reliability and validity of physical fitness field tests for adults aged 55 to 70 years. *Journal of Science and Medicine in Sport*, **2005**, 8, 61-70	4.4	69
175	Nutrition and physical activity policies and practices in family child care homes. *American Journal of Preventive Medicine*, **2009**, 37, 537-40	6.1	67
174	Randomized trial of a clinic-based, community-supported, lifestyle intervention to improve physical activity and diet: the North Carolina enhanced WISEWOMAN project. *Preventive Medicine*, **2008**, 46, 499-510	4.3	67
173	Validity of the Previous Day Physical Activity Recall (PDPAR) in Fifth-Grade Children. *Pediatric Exercise Science*, **1999**, 11, 341-348	2	67
172	Determinants of physical activity in middle school children. *American Journal of Health Behavior*, **2002**, 26, 95-102	1.9	66
171	Comparative effects of home- and group-based exercise on balance confidence and balance ability in older adults: cluster randomized trial. *Gerontology*, **2008**, 54, 272-80	5.5	59
170	The Use of Uniaxial and Triaxial Accelerometers to Measure Children Free-Play Physical Activity. *Pediatric Exercise Science*, **2000**, 12, 360-370	2	58

169	Physical activity parenting measurement and research: challenges, explanations, and solutions. *Childhood Obesity*, **2013**, 9 Suppl, S103-9	2.5	55
168	Community Interventions to Promote Proper Nutrition and Physical Activity among Youth. *Preventive Medicine*, **2000**, 31, S138-S149	4.3	54
167	Randomized trial of three strategies to promote physical activity in general practice. *Preventive Medicine*, **2009**, 48, 156-63	4.3	51
166	Student Physical Activity Levels during a Season of Sport Education. *Pediatric Exercise Science*, **2002** , 14, 64-74	2	51
165	Factors associated with physical activity in children attending family child care homes. *Preventive Medicine*, **2012**, 54, 131-3	4.3	50
164	Physical activity patterns of inner-city elementary schoolchildren. *Medicine and Science in Sports and Exercise*, **2013**, 45, 470-4	1.2	50
163	Adherence to physical activity and electronic media guidelines in Australian pre-school children. *Journal of Paediatrics and Child Health*, **2009**, 45, 5-8	1.3	50
162	Facilitators and barriers to adopting evidence-based physical education in elementary schools. *Journal of Physical Activity and Health*, **2011**, 8 Suppl 1, S17-25	2.5	49
161	Psychosocial correlates of physical activity in white and African-American girls. *Journal of Adolescent Health*, **2002**, 31, 226-33	5.8	48
160	Ensemble Methods for Classification of Physical Activities from Wrist Accelerometry. *Medicine and Science in Sports and Exercise*, **2017**, 49, 1965-1973	1.2	47
159	Reliability and Validity of Objective Measures of Physical Activity in Youth With Cerebral Palsy Who Are Ambulatory. *Physical Therapy*, **2016**, 96, 37-45	3.3	46
158	Physical activity programming in family child care homes: providers' perceptions of practices and barriers. *Journal of Nutrition Education and Behavior*, **2009**, 41, 268-73	2	46
157	Determinants of physical activity in active and low-active, sixth grade African-American youth. *Journal of School Health*, **1999**, 69, 29-34	2.1	45
156	Physical Activity Recognition Using Posterior-Adapted Class-Based Fusion of Multiaccelerometer Data. *IEEE Journal of Biomedical and Health Informatics*, **2018**, 22, 678-685	7.2	44
155	Physical activity correlates in adolescent girls who differ by weight status. *Obesity*, **2006**, 14, 97-105	8	44
154	Correlates of Physical Activity in Male and Female Youth. *Pediatric Exercise Science*, **2000**, 12, 71-79	2	41
153	Prediction of activity type in preschool children using machine learning techniques. *Journal of Science and Medicine in Sport*, **2015**, 18, 426-31	4.4	39
152	Measurement of general and specific approaches to physical activity parenting: a systematic review. *Childhood Obesity*, **2013**, 9 Suppl, S40-50	2.5	38

151	10,000 Steps Rockhampton: Establishing a multi-strategy physical activity promotion project in a community. *Health Promotion Journal of Australia*, **2003**, 14, 95-100	1.7	38
150	Intervening to reduce workplace sitting time: how and when do changes to sitting time occur?. *British Journal of Sports Medicine*, **2014**, 48, 1037-42	10.3	37
149	Accelerometer validity and placement for detection of changes in physical activity in dogs under controlled conditions on a treadmill. *Research in Veterinary Science*, **2012**, 93, 412-6	2.5	37
148	Physical activity and physical fitness in African-American girls with and without obesity. *Obesity*, **1997**, 5, 572-7		36
147	Decision Trees for Detection of Activity Intensity in Youth with Cerebral Palsy. *Medicine and Science in Sports and Exercise*, **2016**, 48, 958-66	1.2	36
146	School Physical Education in the Post-Report Era: An Analysis from Public Health. *Journal of Teaching in Physical Education*, **2004**, 23, 318-337	2.2	33
145	Children's Understanding of the Concept of Physical Activity. *Pediatric Exercise Science*, **2000**, 12, 293-299	2	33
144	Physical Activity, Obesity Status, and Blood Pressure in Preschool Children. *Journal of Pediatrics*, **2015**, 167, 98-102	3.6	32
143	Exploring Metrics to Express Energy Expenditure of Physical Activity in Youth. *PLoS ONE*, **2015**, 10, e0130869	3.7	32
142	Exercise-Promoting healthy lifestyles in children and adolescents. *Journal of Clinical Lipidology*, **2008**, 2, 162-8	4.9	32
141	Validity of accelerometry for measurement of activity in people with brain injury. *Medicine and Science in Sports and Exercise*, **2005**, 37, 1474-80	1.2	32
140	A nutrition and physical activity intervention for family child care homes. *American Journal of Preventive Medicine*, **2011**, 41, 392-8	6.1	31
139	Comparison of the effects of a home-based and group-based resistance training program on functional ability in older adults. *American Journal of Health Promotion*, **2008**, 23, 13-7	2.5	31
138	Machine learning algorithms for activity recognition in ambulant children and adolescents with cerebral palsy. *Journal of NeuroEngineering and Rehabilitation*, **2018**, 15, 105	5.3	30
137	Balanced: a randomised trial examining the efficacy of two self-monitoring methods for an app-based multi-behaviour intervention to improve physical activity, sitting and sleep in adults. *BMC Public Health*, **2016**, 16, 670	4.1	29
136	Measuring reliability and validity of the ActiGraph GT3X accelerometer for children with cerebral palsy: a feasibility study. *Journal of Pediatric Rehabilitation Medicine*, **2014**, 7, 233-40	1.4	29
135	Chronic disease risks and use of a smartphone application during a physical activity and dietary intervention in Australian truck drivers. *Australian and New Zealand Journal of Public Health*, **2016**, 40, 91-3	2.3	29
134	Results from Australia's 2014 Report Card on Physical Activity for Children and Youth. *Journal of Physical Activity and Health*, **2014**, 11 Suppl 1, S21-5	2.5	27

133	Physical activity levels among children attending family day care. *Journal of Nutrition Education and Behavior*, **2014**, 46, 197-202	2	27
132	Physical activities and sedentary pursuits in African American and Caucasian girls. *Research Quarterly for Exercise and Sport*, **2004**, 75, 352-60	1.9	26
131	Efficacy of Participation-Focused Therapy on Performance of Physical Activity Participation Goals and Habitual Physical Activity in Children With Cerebral Palsy: A Randomized Controlled Trial. *Archives of Physical Medicine and Rehabilitation*, **2019**, 100, 676-686	2.8	26
130	Physical activity guidelines and preschooler's obesity status. *International Journal of Obesity*, **2013**, 37, 1352-5	5.5	25
129	Validation of a 24-h physical activity recall in indigenous and non-indigenous Australian adolescents. *Journal of Science and Medicine in Sport*, **2007**, 10, 428-35	4.4	25
128	Patterns and correlates of physical activity in adolescents in Dhaka city, Bangladesh. *Public Health*, **2017**, 145, 75-82	4	24
127	Step based physical activity guidelines for preschool-aged children. *Preventive Medicine*, **2015**, 70, 78-82	4.3	24
126	Agreement between student-reported and proxy-reported physical activity questionnaires. *Pediatric Exercise Science*, **2007**, 19, 310-8	2	24
125	Validity and reliability of the 3-day physical activity recall in Singaporean adolescents. *Research Quarterly for Exercise and Sport*, **2005**, 76, 101-6	1.9	24
124	Maternal and paternal support for physical activity and healthy eating in preschool children: a cross-sectional study. *BMC Public Health*, **2015**, 15, 971	4.1	23
123	Wrist Accelerometer Cut Points for Classifying Sedentary Behavior in Children. *Medicine and Science in Sports and Exercise*, **2017**, 49, 813-822	1.2	22
122	Parental influences on screen time and weight status among preschool children from Brazil: a cross-sectional study. *International Journal of Behavioral Nutrition and Physical Activity*, **2019**, 16, 27	8.4	22
121	Sensor-enabled Activity Class Recognition in Preschoolers: Hip versus Wrist Data. *Medicine and Science in Sports and Exercise*, **2018**, 50, 634-641	1.2	22
120	Increasing Physical Activity in Childcare Outdoor Learning Environments: The Effect of Setting Adjacency Relative to Other Built Environment and Social Factors. *Environment and Behavior*, **2016**, 48, 550-578	5.6	21
119	The impact of an m-Health financial incentives program on the physical activity and diet of Australian truck drivers. *BMC Public Health*, **2017**, 17, 467	4.1	21
118	Determinants of physical activity in Singaporean adolescents. *International Journal of Behavioral Medicine*, **2010**, 17, 279-86	2.6	21
117	Influence of the day care, home and neighbourhood environment on young children's physical activity and health: protocol for the PLAYCE observational study. *BMJ Open*, **2016**, 6, e014058	3	21
116	Increasing physical activity among young children from disadvantaged communities: study protocol of a group randomised controlled effectiveness trial. *BMC Public Health*, **2016**, 16, 1095	4.1	20

115	Using Bluetooth proximity sensing to determine where office workers spend time at work. *PLoS ONE*, **2018**, 13, e0193971	3.7	20
114	Physical Activity Patterns of Singaporean Adolescents. *Pediatric Exercise Science*, **2006**, 18, 400-414	2	18
113	Effects of exercise training on physical and psychosocial health in children with chronic respiratory disease: a systematic review and meta-analysis. *BMJ Open Sport and Exercise Medicine*, **2018**, 4, e000409	3.4	18
112	Adolescent pedometer protocols: examining reactivity, tampering and participants' perceptions. *Journal of Sports Sciences*, **2014**, 32, 183-90	3.6	17
111	Evaluating the Responsiveness of Accelerometry to Detect Change in Physical Activity. *Measurement in Physical Education and Exercise Science*, **2014**, 18, 273-285	1.9	17
110	Tracking of avoidance of alcohol use and smoking behavior in a fifth grade cohort over three years. *Public Health Nursing*, **1999**, 16, 32-40	1.8	17
109	Assessing physical activity during youth sport: the Observational System for Recording Activity in Children: Youth Sports. *Pediatric Exercise Science*, **2014**, 26, 203-9	2	16
108	Feasibility and efficacy of a church-based intervention to promote physical activity in children. *Journal of Physical Activity and Health*, **2009**, 6, 741-9	2.5	16
107	Calibration of the biotrainer pro activity monitor in children. *Pediatric Exercise Science*, **2007**, 19, 145-58	2	16
106	Physical Activity Classification in Youth Using Raw Accelerometer Data from the Hip. *Measurement in Physical Education and Exercise Science*, **2020**, 24, 129-136	1.9	15
105	Acute effects of reducing sitting time in adolescents: a randomized cross-over study. *BMC Public Health*, **2017**, 17, 657	4.1	15
104	Health risk behaviors of rural sixth graders. *Research in Nursing and Health*, **1998**, 21, 475-85	2	15
103	Effects of short-duration and long-duration exercise on lipoprotein(a). *Medicine and Science in Sports and Exercise*, **2001**, 33, 1511-6	1.2	15
102	Associations between the home yard and preschoolers' outdoor play and physical activity. *Public Health Research and Practice*, **2019**, 29,	5.1	15
101	Machine Learning Models for Classifying Physical Activity in Free-Living Preschool Children. *Sensors*, **2020**, 20,	3.8	15
100	Psychometric properties of the modified RESIDE physical activity questionnaire among low-income overweight women. *Journal of Science and Medicine in Sport*, **2015**, 18, 37-42	4.4	14
99	Wrist Acceleration Cut Points for Moderate-to-Vigorous Physical Activity in Youth. *Medicine and Science in Sports and Exercise*, **2018**, 50, 609-616	1.2	14
98	Measurement of screen time among young children aged 0-6 years: A systematic review. *Obesity Reviews*, **2021**, 22, e13260	10.6	14

97	Validity of the OMNI rating of perceived exertion scale for children and adolescents with cerebral palsy. *Developmental Medicine and Child Neurology*, **2015**, 57, 748-53	3.3	13
96	Measurement of energy expenditure of daily tasks among mothers of young children. *Journal of Science and Medicine in Sport*, **2001**, 4, 379-85	4.4	13
95	Population-level physical activity surveillance in young people: are accelerometer-based measures ready for prime time?. *International Journal of Behavioral Nutrition and Physical Activity*, **2020**, 17, 28	8.4	12
94	Developmental Trends in the Energy Cost of Physical Activities Performed by Youth. *Journal of Physical Activity and Health*, **2016**, 13, S35-40	2.5	12
93	Validity of family child care providers' proxy reports on children's physical activity. *Childhood Obesity*, **2013**, 9, 393-8	2.5	12
92	Promoting physical activity to older adults: a preliminary evaluation of three general practice-based strategies. *Journal of Science and Medicine in Sport*, **2005**, 8, 446-50	4.4	12
91	Evaluation of a Physical Activity Intervention for Adults With Brain Impairment: A Controlled Clinical Trial. *Neurorehabilitation and Neural Repair*, **2016**, 30, 854-65	4.7	12
90	The Effects of a Goal Setting Intervention on Aerobic Fitness in Middle School Students. *Journal of Teaching in Physical Education*, **2015**, 34, 576-587	2.2	11
89	Age related differences in the validity of the OMNI perceived exertion scale during lifestyle activities. *Pediatric Exercise Science*, **2015**, 27, 95-101	2	11
88	Comparison of 3 accelerometer data reduction approaches, step counts, and 2 self-report measures for estimating physical activity in free-living adults. *Journal of Physical Activity and Health*, **2013**, 10, 1068-74	2.5	11
87	The feasibility of a home-based moderate-intensity physical activity intervention in obese children and adolescents. *British Journal of Sports Medicine*, **2010**, 44, 250-5	10.3	11
86	Effect of a single session of exercise on lipoprotein(a). *Medicine and Science in Sports and Exercise*, **1996**, 28, 1277-81	1.2	11
85	The level and pattern of physical activity among fifth-grade students in Ho Chi Minh City, Vietnam. *Public Health*, **2018**, 160, 18-25	4	10
84	Prediction of Relative Physical Activity Intensity Using Multimodal Sensing of Physiological Data. *Sensors*, **2019**, 19,	3.8	10
83	PREDICT-CP: study protocol of implementation of comprehensive surveillance to predict outcomes for school-aged children with cerebral palsy. *BMJ Open*, **2017**, 7, e014950	3	10
82	Translation of a behavioral weight loss intervention for mid-life, low-income women in local health departments. *Obesity*, **2013**, 21, 1764-73	8	10
81	Implementation of a School Physical Activity Policy Improves Student Physical Activity Levels: Outcomes of a Cluster-Randomized Controlled Trial. *Journal of Physical Activity and Health*, **2020**, 17, 1009-1018	2.5	10
80	Plasma lipid and lipoprotein responses during exercise. *Scandinavian Journal of Clinical and Laboratory Investigation*, **2003**, 63, 73-9	2	10

79	Activity Patterns of Preschool-Aged Children at Risk for Obesity. *Journal of Physical Activity and Health*, **2015**, 12, 861-8	2.5	9
78	Machine learning to quantify habitual physical activity in children with cerebral palsy. *Developmental Medicine and Child Neurology*, **2020**, 62, 1054-1060	3.3	8
77	'Jump start' childcare-based intervention to promote physical activity in pre-schoolers: six-month findings from a cluster randomised trial. *International Journal of Behavioral Nutrition and Physical Activity*, **2020**, 17, 6	8.4	8
76	Free-living Evaluation of Laboratory-based Activity Classifiers in Preschoolers. *Medicine and Science in Sports and Exercise*, **2020**, 52, 1227-1234	1.2	8
75	The Effect of Upgrades to Childcare Outdoor Spaces on Preschoolers' Physical Activity: Findings from a Natural Experiment. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	7
74	Culture and community: observation of mealtime enactment in early childhood education and care settings. *International Journal of Behavioral Nutrition and Physical Activity*, **2019**, 16, 69	8.4	7
73	Shade coverage, ultraviolet radiation and children's physical activity in early childhood education and care. *International Journal of Public Health*, **2019**, 64, 1325-1333	4	7
72	Non-wear or sleep? Evaluation of five non-wear detection algorithms for raw accelerometer data. *Journal of Sports Sciences*, **2020**, 38, 399-404	3.6	7
71	Supporting healthy lifestyle behaviours in families attending community playgroups: parents' perceptions of facilitators and barriers. *BMC Public Health*, **2019**, 19, 1740	4.1	7
70	Brief tools to measure obesity-related behaviours in children under 5 years of age: A systematic review. *Obesity Reviews*, **2019**, 20, 432-447	10.6	7
69	Objectively measured physical activity and sedentary behaviour in children with bronchiectasis: a cross-sectional study. *BMC Pulmonary Medicine*, **2019**, 19, 7	3.5	7
68	School-based physical education: Physical activity and implementation barriers in Vietnamese elementary schools. *European Physical Education Review*, **2020**, 26, 587-606	2.8	7
67	Validity of Accelerometry to Measure Physical Activity Intensity in Children With an Acquired Brain Injury. *Pediatric Physical Therapy*, **2017**, 29, 322-329	0.9	6
66	Associations between in-school-hours physical activity and child health-related quality of life: A cross-sectional study in a sample of Australian primary school children. *Preventive Medicine Reports*, **2020**, 20, 101179	2.6	6
65	Evaluation of an intervention to reduce adolescent sitting time during the school day: The 'Stand Up for Health' randomised controlled trial. *Journal of Science and Medicine in Sport*, **2018**, 21, 1244-1249	4.4	6
64	CALIBRATION OF THE COMPUTER SCIENCE AND APPLICATIONS, INC. PHYSICAL ACTIVITY MONITOR IN PRESCHOOL CHILDREN. *Medicine and Science in Sports and Exercise*, **2001**, 33, S144	1.2	6
63	Effectiveness of a novel digital application to promote fundamental movement skills in 3- to 6-year-old children: A randomized controlled trial. *Journal of Sports Sciences*, **2021**, 39, 453-459	3.6	6
62	Energy Cost of Children's Structured and Unstructured Games. *Journal of Physical Activity and Health*, **2016**, 13, S44-7	2.5	5

61	Fostering Social Sustainability through Intergenerational Engagement in Australian Neighborhood Parks. *Sustainability*, **2019**, 11, 4435	3.6	5
60	Gender Differences in Physical Activity and Determinants of Physical Activity in Rural Fifth Grade Children. *Journal of School Health*, **1996**, 66, 145-150	2.1	5
59	Energy Cost Expression for a Youth Compendium of Physical Activities: Rationale for Using Age Groups. *Pediatric Exercise Science*, **2018**, 30, 142-149	2	5
58	Laboratory-based and free-living algorithms for energy expenditure estimation in preschool children: A free-living evaluation. *PLoS ONE*, **2020**, 15, e0233229	3.7	4
57	Investigating the association between sleep parameters and the weight status of children: night sleep duration matters. *Sleep Health*, **2018**, 4, 147-153	4	4
56	Utility of the Youth Compendium of Physical Activities. *Research Quarterly for Exercise and Sport*, **2018**, 89, 273-281	1.9	4
55	Comparison of intensity-based cut-points for the RT3 accelerometer in youth. *Journal of Science and Medicine in Sport*, **2014**, 17, 501-5	4.4	4
54	Use of physical activity self-management strategies by high school students. *Pediatric Exercise Science*, **2015**, 27, 168-74	2	4
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