

Lauren B Sherar

List of Publications by Citations

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Version: 2024-04-29

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118
papers

3,470
citations

26
h-index

56
g-index

137
ext. papers

4,097
ext. citations

3.8
avg, IF

5.17
L-index

#	Paper	IF	Citations
118	Moderate to vigorous physical activity and sedentary time and cardiometabolic risk factors in children and adolescents. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 307, 704-12	27.4	742
117	Objectively measured physical activity and sedentary time in youth: the International children's accelerometry database (ICAD). <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015 , 12, 113	8.4	407
116	Utilization and Harmonization of Adult Accelerometry Data: Review and Expert Consensus. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2129-39	1.2	169
115	Do physical maturity and birth date predict talent in male youth ice hockey players?. <i>Journal of Sports Sciences</i> , 2007 , 25, 879-86	3.6	150
114	Age and gender differences in youth physical activity: does physical maturity matter?. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 830-5	1.2	143
113	Controlling for Maturation in Pediatric Exercise Science. <i>Pediatric Exercise Science</i> , 2005 , 17, 18-30	2	120
112	Adolescent biological maturity and physical activity: biology meets behavior. <i>Pediatric Exercise Science</i> , 2010 , 22, 332-49	2	106
111	International children's accelerometry database (ICAD): design and methods. <i>BMC Public Health</i> , 2011 , 11, 485	4.1	103
110	Prediction of adult height using maturity-based cumulative height velocity curves. <i>Journal of Pediatrics</i> , 2005 , 147, 508-14	3.6	101
109	Lack of knowledge of physical activity guidelines: can physical activity promotion campaigns do better?. <i>BMJ Open</i> , 2013 , 3, e003633	3	54
108	Technologies That Assess the Location of Physical Activity and Sedentary Behavior: A Systematic Review. <i>Journal of Medical Internet Research</i> , 2015 , 17, e192	7.6	50
107	Limitations to the use of secondary sex characteristics for gender comparisons. <i>Annals of Human Biology</i> , 2004 , 31, 586-93	1.7	48
106	The mediating role of physical self-concept on relations between biological maturity status and physical activity in adolescent females. <i>Journal of Adolescence</i> , 2011 , 34, 465-73	3.4	47
105	Association between maternal education and objectively measured physical activity and sedentary time in adolescents. <i>Journal of Epidemiology and Community Health</i> , 2016 , 70, 541-8	5.1	44
104	Using a multi-stakeholder experience-based design process to co-develop the Creating Active Schools Framework. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020 , 17, 13	8.4	43
103	Growth and maturation of adolescent female gymnasts, swimmers, and tennis players. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 34-42	1.2	42
102	Confounding effect of biologic maturation on sex differences in physical activity and sedentary behavior in adolescents. <i>Pediatric Exercise Science</i> , 2010 , 22, 442-53	2	41

101	A biocultural model of maturity-associated variance in adolescent physical activity. <i>International Review of Sport and Exercise Psychology</i> , 2012 , 5, 23-43	4.8	39
100	Moderate-to-Vigorous Physical Activity, Indices of Cognitive Control, and Academic Achievement in Preadolescents. <i>Journal of Pediatrics</i> , 2016 , 173, 136-42	3.6	38
99	Maturity associated variance in physical activity and health-related quality of life in adolescent females: a mediated effects model. <i>Journal of Physical Activity and Health</i> , 2012 , 9, 86-95	2.5	38
98	Activity and barriers in girls (8-16 yr) based on grade and maturity status. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 87-95	1.2	32
97	Modeling developmental changes in functional capacities and soccer-specific skills in male players aged 11-17 years. <i>Pediatric Exercise Science</i> , 2012 , 24, 603-21	2	30
96	Effectiveness of the 'Girls Active' school-based physical activity programme: A cluster randomised controlled trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018 , 15, 40	8.4	29
95	Prevalence and Correlates of Meeting Sleep, Screen-Time, and Physical Activity Guidelines Among Adolescents in the United Kingdom. <i>JAMA Pediatrics</i> , 2019 , 173, 993-994	8.3	28
94	Findings of the Chronic Obstructive Pulmonary Disease-Sitting and Exacerbations Trial (COPD-SEAT) in Reducing Sedentary Time Using Wearable and Mobile Technologies With Educational Support: Randomized Controlled Feasibility Trial. <i>JMIR MHealth and UHealth</i> , 2018 , 6, e84	5.5	27
93	Sitting time and obesity in a sample of adults from Europe and the USA. <i>Annals of Human Biology</i> , 2017 , 44, 230-236	1.7	26
92	Change in lean body mass is a major determinant of change in areal bone mineral density of the proximal femur: a 12-year observational study. <i>Calcified Tissue International</i> , 2006 , 79, 145-51	3.9	26
91	A cluster randomised controlled trial to investigate the effectiveness and cost effectiveness of the 'Girls Active' intervention: a study protocol. <i>BMC Public Health</i> , 2015 , 15, 526	4.1	25
90	Relationship between trajectories of trunk fat mass development in adolescence and cardiometabolic risk in young adulthood. <i>Obesity</i> , 2011 , 19, 1699-706	8	25
89	Association between birth weight and objectively measured sedentary time is mediated by central adiposity: data in 10,793 youth from the International Children's Accelerometry Database. <i>American Journal of Clinical Nutrition</i> , 2015 , 101, 983-90	7	24
88	Association of after school sedentary behaviour in adolescence with mental wellbeing in adulthood. <i>Preventive Medicine</i> , 2016 , 87, 6-10	4.3	24
87	Concurrent and prospective associations among biological maturation, and physical activity at 11 and 13 years of age. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, e20-8	4.6	24
86	The relationship of moderate-to-vigorous physical activity to cognitive processing in adolescents: findings from the ALSPAC birth cohort. <i>Psychological Research</i> , 2015 , 79, 715-28	2.5	21
85	A data-driven, meaningful, easy to interpret, standardised accelerometer outcome variable for global surveillance. <i>Journal of Science and Medicine in Sport</i> , 2019 , 22, 1132-1138	4.4	20
84	Does controlling for biological maturity improve physical activity tracking?. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 800-7	1.2	19

83	Novel technology to help understand the context of physical activity and sedentary behaviour. <i>Physiological Measurement</i> , 2016 , 37, 1834-1851	2.9	18
82	Using threshold messages to promote physical activity: implications for public perceptions of health effects. <i>European Journal of Public Health</i> , 2014 , 24, 195-9	2.1	17
81	Physical Activity, Physical Self-Concept, and Health-Related Quality of Life of Extreme Early and Late Maturing Adolescent Girls. <i>Journal of Early Adolescence</i> , 2012 , 32, 269-292	1.9	17
80	Biological maturation and physical activity in adolescent British females: The roles of physical self-concept and perceived parental support. <i>Psychology of Sport and Exercise</i> , 2013 , 14, 447-454	4.2	16
79	The relationship between girls' (8-14 years) physical activity and maternal education. <i>Annals of Human Biology</i> , 2009 , 36, 573-83	1.7	16
78	Relative age and fast tracking of elite major junior ice hockey players. <i>Perceptual and Motor Skills</i> , 2007 , 104, 702-6	2.2	16
77	Global prevalence of physical activity for children and adolescents; inconsistencies, research gaps, and recommendations: a narrative review. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021 , 18, 81	8.4	16
76	Results From England's 2016 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , 2016 , 13, S143-S149	2.5	16
75	A retrospective qualitative evaluation of barriers and facilitators to the implementation of a school-based running programme. <i>BMC Public Health</i> , 2018 , 18, 1189	4.1	16
74	Compliance of Adolescent Girls to Repeated Deployments of Wrist-Worn Accelerometers. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1508-1517	1.2	15
73	The role of growth and maturation during adolescence on team-selection and short-term sports participation. <i>Annals of Human Biology</i> , 2020 , 47, 316-323	1.7	14
72	Examining the Use of Glucose and Physical Activity Self-Monitoring Technologies in Individuals at Moderate to High Risk of Developing Type 2 Diabetes: Randomized Trial. <i>JMIR MHealth and UHealth</i> , 2019 , 7, e14195	5.5	14
71	Maturity-associated variation in physical activity and health-related quality of life in British adolescent girls: moderating effects of peer acceptance. <i>International Journal of Behavioral Medicine</i> , 2014 , 21, 757-66	2.6	13
70	Allometric scaling of peak oxygen uptake in male roller hockey players under 17 years old. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 390-5	3	13
69	Physical Activity and Physical Self-Concept in Adolescence: A Comparison of Girls at the Extremes of the Biological Maturation Continuum. <i>Journal of Research on Adolescence</i> , 2012 , 22, 746-757	3.2	12
68	Awareness of moderate-to-vigorous physical activity: can information on guidelines prevent overestimation?. <i>BMC Public Health</i> , 2015 , 15, 392	4.1	12
67	Individual, employment and psychosocial factors influencing walking to work: Implications for intervention design. <i>PLoS ONE</i> , 2017 , 12, e0171374	3.7	12
66	Allometric modelling of peak oxygen uptake in male soccer players of 8-18 years of age. <i>Annals of Human Biology</i> , 2015 , 42, 125-33	1.7	11

65	Biological maturation as a confounding factor in the relation between chronological age and health-related quality of life in adolescent females. <i>Quality of Life Research</i> , 2011 , 20, 237-42	3.7	11
64	The relationship between body composition and onset of menarche. <i>Annals of Human Biology</i> , 2007 , 34, 673-7	1.7	11
63	Can functional magnetic resonance imaging studies help with the optimization of health messaging for lifestyle behavior change? A systematic review. <i>Preventive Medicine</i> , 2017 , 99, 185-196	4.3	10
62	Measurement invariance of TGMD-3 in children with and without mental and behavioral disorders. <i>Psychological Assessment</i> , 2018 , 30, 1421-1429	5.3	10
61	24-hour accelerometry in COPD: Exploring physical activity, sedentary behavior, sleep and clinical characteristics. <i>International Journal of COPD</i> , 2019 , 14, 419-430	3	9
60	Tracking of aerobic fitness from adolescence to mid-adulthood. <i>Annals of Human Biology</i> , 2013 , 40, 547-537		9
59	Getting a GRIP (getting research into practice) on movement integration in the school classroom. <i>Physical Therapy Reviews</i> , 2017 , 22, 139-146	0.7	9
58	A school-based intervention (Girls Active) to increase physical activity levels among 11- to 14-year-old girls: cluster RCT. <i>Public Health Research</i> , 2019 , 7, 1-162	1.7	9
57	Process evaluation of the school-based Girls Active programme. <i>BMC Public Health</i> , 2019 , 19, 1187	4.1	8
56	Ventricular mass in relation to body size, composition, and skeletal age in adolescent athletes. <i>Clinical Journal of Sport Medicine</i> , 2013 , 23, 293-9	3.2	8
55	Preterm birth and adolescent bone mineral content. <i>American Journal of Perinatology</i> , 2011 , 28, 157-63	3.3	8
54	Marathon Kids UK: study design and protocol for a mixed methods evaluation of a school-based running programme. <i>BMJ Open</i> , 2018 , 8, e022176	3	8
53	The role of a pulse-based diet on infertility measures and metabolic syndrome risk: protocol of a randomized clinical trial in women with polycystic ovary syndrome. <i>BMC Nutrition</i> , 2017 , 3, 23	2.5	7
52	Relationship Between Trajectories of Trunk Fat Development in Emerging Adulthood and Cardiometabolic Risk at 36 Years of Age. <i>Obesity</i> , 2019 , 27, 1652-1660	8	7
51	Harmonising data on the correlates of physical activity and sedentary behaviour in young people: Methods and lessons learnt from the international Children's Accelerometry database (ICAD). <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017 , 14, 174	8.4	7
50	Study protocol for Chronic Obstructive Pulmonary Disease-Sitting and Exacerbations Trial (COPD-SEAT): a randomised controlled feasibility trial of a home-based self-monitoring sedentary behaviour intervention. <i>BMJ Open</i> , 2016 , 6, e013014	3	7
49	Scaling left ventricular mass in adolescent boys aged 11-15 years. <i>Annals of Human Biology</i> , 2014 , 41, 465-8	1.7	7
48	Accounting for Sitting and Moving: An Analysis of Sedentary Behavior in Mass Media Campaigns. <i>Journal of Physical Activity and Health</i> , 2015 , 12, 1198-204	2.5	7

47	Growth and maturation 2007 , 1-26		7
46	Results From England's 2018 Report Card on Physical Activity for Children and Youth. <i>Journal of Physical Activity and Health</i> , 2018 , 15, S347-S349	2.5	7
45	Screen-time during the after-school period: A contextual perspective. <i>Preventive Medicine Reports</i> , 2020 , 19, 101116	2.6	6
44	Evidence of moderation effects in predicting active transport to school. <i>Journal of Public Health</i> , 2017 , 39, 153-162	3.5	6
43	Chronic obstructive pulmonary disease (COPD), illness narratives and Elias's sociology of knowledge. <i>Social Science and Medicine</i> , 2017 , 192, 58-65	5.1	6
42	Study design and protocol for a mixed methods evaluation of an intervention to reduce and break up sitting time in primary school classrooms in the UK: The CLASS PAL (Physically Active Learning) Programme. <i>BMJ Open</i> , 2017 , 7, e019428	3	6
41	"I Just Like the Feeling of It, Outside Being Active": Pupils' Experiences of a School-Based Running Program, a Qualitative Study. <i>Journal of Sport and Exercise Psychology</i> , 2020 , 1-11	1.5	6
40	Using Digital Health Technologies to Understand the Association Between Movement Behaviors and Interstitial Glucose: Exploratory Analysis. <i>JMIR MHealth and UHealth</i> , 2018 , 6, e114	5.5	6
39	Exploring the relationship between adolescent biological maturation, physical activity, and sedentary behaviour: a systematic review and narrative synthesis. <i>Annals of Human Biology</i> , 2020 , 47, 365-383	1.7	6
38	Meanings of sitting in the context of chronic disease: a critical reflection on sedentary behaviour, health, choice and enjoyment. <i>Qualitative Research in Sport, Exercise and Health</i> , 2020 , 12, 363-376	7	6
37	Small-Sided Soccer in School Reduces Postprandial Lipemia in Adolescent Boys. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2351-2359	1.2	6
36	Psychometric proprieties of the Test of Gross Motor Development-Third Edition in a large sample of Italian children. <i>Journal of Science and Medicine in Sport</i> , 2020 , 23, 860-865	4.4	5
35	Reducing screen-time and unhealthy snacking in 9-11 year old children: the Kids FIRST pilot randomised controlled trial. <i>BMC Public Health</i> , 2020 , 20, 122	4.1	5
34	Evaluation of the implementation of an intervention to improve the street environment and promote walking for transport in deprived neighbourhoods. <i>BMC Public Health</i> , 2017 , 17, 655	4.1	5
33	Evaluation of the implementation of a whole-workplace walking programme using the RE-AIM framework. <i>BMC Public Health</i> , 2017 , 17, 466	4.1	5
32	Longitudinal Predictors of Aerobic Performance in Adolescent Soccer Players. <i>Medicina (Lithuania)</i> , 2012 , 48, 61	3.1	5
31	Sensing interstitial glucose to nudge active lifestyles (SIGNAL): feasibility of combining novel self-monitoring technologies for persuasive behaviour change. <i>BMJ Open</i> , 2017 , 7, e018282	3	5
30	Brain Activation in Response to Personalized Behavioral and Physiological Feedback From Self-Monitoring Technology: Pilot Study. <i>Journal of Medical Internet Research</i> , 2017 , 19, e384	7.6	4

29	Outcome measures in a combined exercise rehabilitation programme for adults with COPD and chronic heart failure: A preliminary stakeholder consensus event. <i>Chronic Respiratory Disease</i> , 2019 , 16, 1479973119867952	3	3
28	Micro-costing and a cost-consequence analysis of the 'Girls Active' programme: A cluster randomised controlled trial. <i>PLoS ONE</i> , 2019 , 14, e0221276	3.7	3
27	A digital lifestyle behaviour change intervention for the prevention of type 2 diabetes: a qualitative study exploring intuitive engagement with real-time glucose and physical activity feedback. <i>BMC Public Health</i> , 2021 , 21, 130	4.1	3
26	Family car ownership and activity in young people: cross-sectional and longitudinal analyses using the International Children's Accelerometry Database. <i>Lancet, The</i> , 2018 , 392, S89	4.0	3
25	An Evaluation of the Implementation of a UK School-Based Running Program. <i>Children</i> , 2020 , 7,	2.8	2
24	The effects of sports participation on the development of left ventricular mass in adolescent boys. <i>American Journal of Human Biology</i> , 2015 , 27, 530-7	2.7	2
23	Messages to promote physical activity: Are descriptors of required duration and intensity related to intentions to be more active?. <i>Journal of Education and Health Promotion</i> , 2015 , 4, 77	1.4	2
22	Reproducibility and inter-observer agreement of Greulich-Pyle protocol to estimate skeletal age among female adolescent soccer players. <i>BMC Pediatrics</i> , 2020 , 20, 494	2.6	2
21	Protocol for a feasibility trial to inform the development of a breathlessness rehabilitation programme for chronic obstructive pulmonary disease and chronic heart failure (the COHERE trial). <i>BMJ Open</i> , 2019 , 9, e029387	3	2
20	Scaling left ventricular mass in adolescent female soccer players. <i>BMC Pediatrics</i> , 2020 , 20, 157	2.6	2
19	Concurrent agreement between an anthropometric model to predict thigh volume and dual-energy X-Ray absorptiometry assessment in female volleyball players aged 14-18 years. <i>BMC Pediatrics</i> , 2016 , 16, 190	2.6	1
18	Community perceptions of the implementation and impact of an intervention to improve the neighbourhood physical environment to promote walking for transport: a qualitative study. <i>BMC Public Health</i> , 2018 , 18, 714	4.1	1
17	Does adjusting for biological maturity when calculating child weight status improve the accuracy of predicting future health risk?. <i>BMC Public Health</i> , 2021 , 21, 1979	4.1	1
16	Body size, fatness and skeletal age in female youth soccer players. <i>International Journal of Sports Medicine</i> , 2021 ,	3.6	1
15	'Snackitivity' to increase physical activity: Time to try something different?. <i>Preventive Medicine</i> , 2021 , 153, 106851	4.3	1
14	Short Sprints Accumulated at School Modulate Postprandial Metabolism in Boys. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 67-76	1.2	1
13	Maturational timing, physical self-perceptions and physical activity in UK adolescent females: investigation of a mediated effects model. <i>Annals of Human Biology</i> , 2020 , 47, 384-390	1.7	1
12	Concurrent screen use and cross-sectional association with lifestyle behaviours and psychosocial health in adolescent females. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021 , 110, 2164-2170 ^{3.1}	3.1	1

11	Short-term High-fat Overfeeding Does Not Induce NF- κ B Inflammatory Signaling in Subcutaneous White Adipose Tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	1
10	Resistance to data loss from the Freestyle Libre: impact on glucose variability indices and recommendations for data analysis. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 148-154	3	1
9	Assessment of skeletal age in youth female soccer players: Agreement between Greulich-Pyle and Fels protocols. <i>American Journal of Human Biology</i> , 2021 , e23591	2.7	1
8	Exploring Feelings of Pleasure and Purpose Associated With Older People's Activities Using Ecological Momentary Analysis: An Observational Study. <i>Journal of Aging and Physical Activity</i> , 2021 , 29, 670-677	1.6	1
7	Cross-sectional and longitudinal associations of active travel, organised sport and physical education with accelerometer-assessed moderate-to-vigorous physical activity in young people: the International Children's Accelerometry Database.. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2022 , 19, 41	8.4	1
6	Cross-sectional and prospective associations of sleep duration and bedtimes with adiposity and obesity risk in 15 810 youth from 11 international cohorts. <i>Pediatric Obesity</i> , 2021 , e12873	4.6	0
5	Associations between socioeconomic position and young people's physical activity and sedentary behaviour in the UK: a scoping review.. <i>BMJ Open</i> , 2022 , 12, e051736	3	0
4	A sports-based intervention for pupils excluded from mainstream education: A systems approach to intervention acceptability and feasibility. <i>Psychology of Sport and Exercise</i> , 2022 , 102217	4.2	0
3	Influence of muscle mass in the assessment of lower limb strength in COPD: validation of the prediction equation. <i>Thorax</i> , 2018 , 73, 587-589	7.3	
2	The influence of South Asian ethnicity on the incremental shuttle walk test in UK adults. <i>Chronic Respiratory Disease</i> , 2018 , 15, 241-249	3	
1	Physical activity and growth 2022 , 469-490		