

Duncan S Buchan

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

905
citations

516215

16
h-index

525886

27
g-index

57
all docs

57
docs citations

57
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility and Acceptability of a Classroom-Based Active Breaks Intervention for 8-12-Year-Old Children. <i>Research Quarterly for Exercise and Sport</i> , 2022, 93, 813-824.	0.8	3
2	A Personalized Smartphone-Delivered Just-in-time Adaptive Intervention (JitaBug) to Increase Physical Activity in Older Adults: Mixed Methods Feasibility Study. <i>JMIR Formative Research</i> , 2022, 6, e34662.	0.7	16
3	Equivalence of activity outcomes derived from three research grade accelerometers worn simultaneously on each wrist. <i>Journal of Sports Sciences</i> , 2022, 40, 797-807.	1.0	4
4	Cardio-Metabolic Risk Factors in Scottish South Asian and Caucasian Youth. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4667.	1.2	0
5	Generation and validation of ActiGraph GT3X+ accelerometer cut-points for assessing physical activity intensity in older adults. The OUTDOOR ACTIVE validation study. <i>PLoS ONE</i> , 2021, 16, e0252615.	1.1	10
6	The Effects of Socioeconomic Status on Parent and Child Moderate-to-Vigorous Physical Activity and Body Mass Index. <i>Research Quarterly for Exercise and Sport</i> , 2021, , 1-11.	0.8	2
7	Segmented sedentary time and physical activity patterns throughout the week from wrist-worn ActiGraph GT3X+ accelerometers among children 7-12 years old. <i>Journal of Sport and Health Science</i> , 2020, 9, 179-188.	3.3	23
8	An Insight Into the Involvement of Mothers of Low Socioeconomic Status in Scottish Primary School Health Education Activities. <i>Health Education and Behavior</i> , 2020, 47, 111-122.	1.3	1
9	Relationship Between Parent and Child Physical Activity Using Novel Acceleration Metrics. <i>Research Quarterly for Exercise and Sport</i> , 2020, , 1-9.	0.8	4
10	Comparison of Free-Living and Laboratory Activity Outcomes from ActiGraph Accelerometers Worn on the Dominant and Non-Dominant Wrists. <i>Measurement in Physical Education and Exercise Science</i> , 2020, 24, 247-257.	1.3	15
11	High Intensity Interval Training (HIIT) Improves Cardiorespiratory Fitness (CRF) in Healthy, Overweight and Obese Adolescents: A Systematic Review and Meta-Analysis of Controlled Studies. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2955.	1.2	55
12	Grip Strength Cut Points for Diabetes Risk Among Apparently Healthy U.S. Adults. <i>American Journal of Preventive Medicine</i> , 2020, 58, 757-765.	1.6	17
13	Muscular Strength Cut-points For Detection Of Type 2 Diabetes Risk In Apparently Healthy Adults. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 503-503.	0.2	0
14	A comparison of physical activity from Actigraph <sc>GT</sc>3X+ accelerometers worn on the dominant and non-dominant wrist. <i>Clinical Physiology and Functional Imaging</i> , 2019, 39, 51-56.	0.5	27
15	Utility of international normative 20 m shuttle run values for identifying youth at increased cardiometabolic risk. <i>Journal of Sports Sciences</i> , 2019, 37, 507-514.	1.0	15
16	A feasibility study with process evaluation of a teacher led resource to improve measures of child health. <i>PLoS ONE</i> , 2019, 14, e0218243.	1.1	1
17	The use of the intensity gradient and average acceleration metrics to explore associations with BMI z-score in children. <i>Journal of Sports Sciences</i> , 2019, 37, 2751-2758.	1.0	17
18	Re-examination of 1- vs. 3-Sets of Resistance Exercise for Pre-spaceflight Muscle Conditioning: A Systematic Review and Meta-Analysis. <i>Frontiers in Physiology</i> , 2019, 10, 864.	1.3	5

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19	Recruiting Older Men to Walking Football: A Pilot Feasibility Study. <i>Explore: the Journal of Science and Healing</i> , 2019, 15, 206-214.	0.4	18
20	Sprint Interval Training and the School Curriculum: Benefits Upon Cardiorespiratory Fitness, Physical Activity Profiles, and Cardiometabolic Risk Profiles of Healthy Adolescents. <i>Pediatric Exercise Science</i> , 2019, 31, 296-305.	0.5	17
21	Comparing physical activity estimates in children from hip-worn Actigraph GT3X+ accelerometers using raw and counts based processing methods. <i>Journal of Sports Sciences</i> , 2019, 37, 779-787.	1.0	12
22	Wear compliance, sedentary behaviour and activity in free-living children from hip-and wrist-mounted ActiGraph GT3X+ accelerometers. <i>Journal of Sports Sciences</i> , 2018, 36, 2424-2430.	1.0	35
23	Primary School Children's Health Behaviors, Attitudes, and Body Mass Index After a 10-Week Lifestyle Intervention With Follow-Up. <i>Frontiers in Pediatrics</i> , 2018, 6, 137.	0.9	8
24	Text Messaging Interventions for Improvement in Physical Activity and Sedentary Behavior in Youth: Systematic Review. <i>JMIR MHealth and UHealth</i> , 2018, 6, e10799.	1.8	71
25	Utility of Body Mass Index, Waist-to-Height-Ratio and cardiorespiratory fitness thresholds for identifying cardiometabolic risk in 10.4-17.6-year-old children. <i>Obesity Research and Clinical Practice</i> , 2017, 11, 567-575.	0.8	13
26	Diagnostic performance of Body Mass Index, Waist Circumference and the Waist-to-Height Ratio for identifying cardiometabolic risk in Scottish pre-adolescents. <i>Annals of Human Biology</i> , 2017, 44, 297-302.	0.4	12
27	Utility of three anthropometric indices in assessing the cardiometabolic risk profile in children. <i>American Journal of Human Biology</i> , 2017, 29, e22934.	0.8	5
28	A criterion-referenced assessment is needed for measuring child obesity. <i>Research in Sports Medicine</i> , 2017, 25, 108-110.	0.7	3
29	The 10-week Lifestyle Intervention Fit for School: Impact on Obesity Indices, Biomarkers, and Blood Pressure. <i>Health Behavior and Policy Review</i> , 2017, 4, 142-149.	0.3	1
30	Alterations in peak torque occur without hematological changes after muscle fatigue. <i>Revista Brasileira De Medicina Do Esporte</i> , 2017, 23, 180-183.	0.1	0
31	A Systematised Review of Primary School Whole Class Child Obesity Interventions: Effectiveness, Characteristics, and Strategies. <i>BioMed Research International</i> , 2016, 2016, 1-15.	0.9	24
32	The 10-week Lifestyle Intervention Fit For School. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 593.	0.2	0
33	Utility of the hypertriglyceridemic waist phenotype in the cardiometabolic risk assessment of youth stratified by body mass index. <i>Pediatric Obesity</i> , 2016, 11, 292-298.	1.4	16
34	Fit for school: results of a 10-week school-based child healthy weight pilot intervention for primary school students. <i>International Journal of Health Promotion and Education</i> , 2016, 54, 229-244.	0.4	4
35	Relationships between Cardiorespiratory and Muscular Fitness with Cardiometabolic Risk in Adolescents. <i>Research in Sports Medicine</i> , 2015, 23, 227-239.	0.7	24
36	Sprint interval training (SIT) is an effective method to maintain cardiorespiratory fitness (CRF) and glucose homeostasis in Scottish adolescents. <i>Biology of Sport</i> , 2015, 32, 307-313.	1.7	16

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37	Independent associations between cardiorespiratory fitness, waist circumference, BMI, and clustered cardiometabolic risk in adolescents. <i>American Journal of Human Biology</i> , 2014, 26, 29-35.	0.8	16
38	High intensity interval running enhances measures of physical fitness but not metabolic measures of cardiovascular disease risk in healthy adolescents. <i>BMC Public Health</i> , 2013, 13, 498.	1.2	57
39	Cardiorespiratory fitness predicts clustered cardiometabolic risk in 10-11.9-year-olds. <i>European Journal of Pediatrics</i> , 2013, 172, 913-918.	1.3	13
40	Fitness and Adiposity Are Independently Associated with Cardiometabolic Risk in Youth. <i>BioMed Research International</i> , 2013, 2013, 1-6.	0.9	15
41	Weight Status, Physical Activity and the Associations with Health Related Physical Fitness in Nine to Twelve Year Old Scottish Children. , 2013, 03, .		1
42	The use of complementary and alternative medicine by nurses. <i>British Journal of Nursing</i> , 2012, 21, 672-675.	0.3	14
43	Prevalence of traditional and novel markers of cardiovascular disease risk in Scottish adolescents: socioeconomic effects. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012, 37, 829-839.	0.9	5
44	Physical Activity Behaviour: An Overview of Current and Emergent Theoretical Practices. <i>Journal of Obesity</i> , 2012, 2012, 1-11.	1.1	78
45	RELATIONSHIPS AMONG INDICATORS OF FITNESS, FATNESS AND CARDIOVASCULAR DISEASE RISK FACTORS IN ADOLESCENTS. <i>OnLine Journal of Biological Sciences</i> , 2012, 12, 89-95.	0.2	1
46	Novel Risk Factors of Cardiovascular Disease and their Associations between Obesity, Physical Activity and Physical Fitness. <i>Journal of Public Health Research</i> , 2012, 1, jphr.2012.e11.	0.5	20
47	The Effects of a Novel High Intensity Exercise Intervention on Established Markers of Cardiovascular Disease and Health in Scottish Adolescent Youth. <i>Journal of Public Health Research</i> , 2012, 1, jphr.2012.e24.	0.5	17
48	School-based physical activity interventions: challenges and pitfalls. <i>Child: Care, Health and Development</i> , 2012, 38, 1-2.	0.8	6
49	Cardio-respiratory fitness and muscular fitness levels of Scottish youth and their associations with physical activity. <i>Biology of Exercise</i> , 2012, 8, 32-46.	0.0	1
50	Physical activity interventions: effects of duration and intensity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011, 21, e341-50.	1.3	45
51	The effects of time and intensity of exercise on novel and established markers of CVD in adolescent youth. <i>American Journal of Human Biology</i> , 2011, 23, 517-526.	0.8	88
52	The influence of a high intensity physical activity intervention on a selection of health related outcomes: an ecological approach. <i>BMC Public Health</i> , 2010, 10, 8.	1.2	32