

Jonathan M McGavock

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

3,328
citations

159525

30
h-index

155592

55
g-index

93
all docs

93
docs citations

93
times ranked

4633
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac Steatosis in Diabetes Mellitus. <i>Circulation</i> , 2007, 116, 1170-1175.	1.6	535
2	Adiposity of the Heart*, Revisited. <i>Annals of Internal Medicine</i> , 2006, 144, 517.	2.0	337
3	Determination of triglyceride in the human myocardium by magnetic resonance spectroscopy: reproducibility and sensitivity of the method. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E935-E939.	1.8	139
4	Overweight, physical activity and high blood pressure in children: a review of the literature. <i>Vascular Health and Risk Management</i> , 2007, 3, 139-49.	1.0	118
5	A systematic review and meta-analysis of exercise interventions in adults with type 1 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2014, 106, 393-400.	1.1	111
6	Physical Activity Intensity and Cardiometabolic Risk in Youth. <i>JAMA Pediatrics</i> , 2012, 166, 1022.	3.6	102
7	Dietary determinants of hepatic steatosis and visceral adiposity in overweight and obese youth at risk of type 2 diabetes. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 804-812.	2.2	79
8	Outdoor Time Is Associated with Physical Activity, Sedentary Time, and Cardiorespiratory Fitness in Youth. <i>Journal of Pediatrics</i> , 2014, 165, 516-521.	0.9	68
9	Effect of Pioglitazone Therapy on Myocardial and Hepatic Steatosis in Insulin-Treated Patients with Type 2 Diabetes. <i>Journal of Investigative Medicine</i> , 2007, 55, 230-236.	0.7	63
10	Cardiorespiratory Fitness and Adiposity in Metabolically Healthy Overweight and Obese Youth. <i>Pediatrics</i> , 2013, 132, e85-e92.	1.0	62
11	Cardiorespiratory Fitness and the Risk of Overweight in Youth: The Healthy Hearts Longitudinal Study of Cardiometabolic Health. <i>Obesity</i> , 2009, 17, 1802-1807.	1.5	61
12	Effectiveness of Peer-Based Healthy Living Lesson Plans on Anthropometric Measures and Physical Activity in Elementary School Students. <i>JAMA Pediatrics</i> , 2014, 168, 330.	3.3	60
13	Do school-based physical activity interventions increase or reduce inequalities in health?. <i>Social Science and Medicine</i> , 2014, 112, 80-87.	1.8	60
14	Physical activity for the prevention and management of youth-onset type 2 diabetes mellitus: focus on cardiovascular complications. <i>Diabetes and Vascular Disease Research</i> , 2007, 4, 305-310.	0.9	53
15	Peer Mentoring for Type 2 Diabetes Prevention in First Nations Children. <i>Pediatrics</i> , 2014, 133, e1624-e1631.	1.0	53
16	Metabolic Consequences of Hepatic Steatosis in Overweight and Obese Adolescents. <i>Diabetes Care</i> , 2012, 35, 905-910.	4.3	51
17	Low Cardiorespiratory Fitness Is Associated With Elevated C-Reactive Protein Levels in Women With Type 2 Diabetes. <i>Diabetes Care</i> , 2004, 27, 320-325.	4.3	49
18	Type 2 diabetes in youth is a disease of poverty. <i>Lancet, The</i> , 2017, 390, 1829.	6.3	49

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19	Vigorous Intensity Exercise for Glycemic Control in Patients with Type 1 Diabetes. <i>Canadian Journal of Diabetes</i> , 2013, 37, 427-432.	0.4	48
20	School-Based Health Promotion and Physical Activity During and After School Hours. <i>Pediatrics</i> , 2014, 133, e371-e378.	1.0	48
21	Exposure to Gestational Diabetes Mellitus: Impact on the Development of Early-Onset Type 2 Diabetes in Canadian First Nations and Non-First Nations Offspring. <i>Diabetes Care</i> , 2016, 39, 2240-2246.	4.3	48
22	The Relationship Between Weight Gain and Blood Pressure in Children and Adolescents. <i>American Journal of Hypertension</i> , 2007, 20, 1038-1044.	1.0	47
23	Patterns of weekday and weekend physical activity in youth in 2 Canadian provinces. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 115-119.	0.9	46
24	Lifestyle Therapy for the Treatment of Youth with Type 2 Diabetes. <i>Current Diabetes Reports</i> , 2015, 15, 568.	1.7	46
25	Adverse childhood experiences are associated with an increased risk of obesity in early adolescence: a population-based prospective cohort study. <i>Pediatric Research</i> , 2019, 86, 522-528.	1.1	46
26	Improving Knowledge that Alcohol Can Cause Cancer is Associated with Consumer Support for Alcohol Policies: Findings from a Real-World Alcohol Labelling Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 398.	1.2	44
27	The effects of prolonged strenuous exercise on left ventricular function: A brief review. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2002, 31, 279-294.	0.8	40
28	Hepatic Steatosis and Low Cardiorespiratory Fitness in Youth With Type 2 Diabetes. <i>Obesity</i> , 2012, 20, 1034-1040.	1.5	39
29	Sedentary Lifestyle and Antecedents of Cardiovascular Disease in Young Adults. <i>American Journal of Hypertension</i> , 2006, 19, 701-707.	1.0	36
30	Testing Alcohol Labels as a Tool to Communicate Cancer Risk to Drinkers: A Real-World Quasi-Experimental Study. <i>Journal of Studies on Alcohol and Drugs</i> , 2020, 81, 249-261.	0.6	34
31	Mechanisms of disease. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2014, 126, 353-377.	1.0	33
32	Cardiovascular adaptations to exercise training in postmenopausal women with type 2 diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2004, 3, 3.	2.7	30
33	Exercise-induced irisin release as a determinant of the metabolic response to exercise training in obese youth: the EXIT trial. <i>Physiological Reports</i> , 2017, 5, e13539.	0.7	29
34	Success with lifestyle monotherapy in youth with new-onset type 2 diabetes. <i>Paediatrics and Child Health</i> , 2012, 17, 129-132.	0.3	28
35	My Voice: A Grounded Theory Analysis of the Lived Experience of Type 2 Diabetes in Adolescence. <i>Canadian Journal of Diabetes</i> , 2014, 38, 229-236.	0.4	27
36	Targeting skeletal muscle mitochondria to prevent type 2 diabetes in youth. <i>Biochemistry and Cell Biology</i> , 2015, 93, 452-465.	0.9	27

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37	The Improving Renal Complications in Adolescents With Type 2 Diabetes Through the REsearch (iCARE) Cohort Study: Rationale and Protocol. <i>Canadian Journal of Diabetes</i> , 2014, 38, 349-355.	0.4	25
38	News Media and the Influence of the Alcohol Industry: An Analysis of Media Coverage of Alcohol Warning Labels With a Cancer Message in Canada and Ireland. <i>Journal of Studies on Alcohol and Drugs</i> , 2020, 81, 273-283.	0.6	25
39	The Role of Exercise in the Treatment of Cardiovascular Disease Associated with Type 2 Diabetes Mellitus. <i>Sports Medicine</i> , 2004, 34, 27-48.	3.1	24
40	Vigorous Intervals and Hypoglycemia in Type 1 Diabetes: A Randomized Cross Over Trial. <i>Scientific Reports</i> , 2018, 8, 15879.	1.6	22
41	Dietary intake and prospective changes in cardiometabolic risk factors in children and youth. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 39-45.	0.9	20
42	Baseline Assessment of Alcohol-Related Knowledge of and Support for Alcohol Warning Labels Among Alcohol Consumers in Northern Canada and Associations With Key Sociodemographic Characteristics. <i>Journal of Studies on Alcohol and Drugs</i> , 2020, 81, 238-248.	0.6	20
43	Fitness is a determinant of the metabolic response to endurance training in adolescents at risk of type 2 diabetes mellitus. <i>Obesity</i> , 2015, 23, 823-832.	1.5	19
44	Association Between Handgrip Muscle Strength and Cardiometabolic z-Score in Children 6 to 19 Years of Age: Results from the Canadian Health Measures Survey. <i>Metabolic Syndrome and Related Disorders</i> , 2017, 15, 379-384.	0.5	19
45	Intrauterine exposure to diabetes and risk of cardiovascular disease in adolescence and early adulthood: a population-based birth cohort study. <i>Cmaj</i> , 2020, 192, E1104-E1113.	0.9	19
46	Testing the Effectiveness of Enhanced Alcohol Warning Labels and Modifications Resulting From Alcohol Industry Interference in Yukon, Canada: Protocol for a Quasi-Experimental Study. <i>JMIR Research Protocols</i> , 2020, 9, e16320.	0.5	19
47	Age and the risk of All-Terrain Vehicle-related injuries in children and adolescents: a cross sectional study. <i>BMC Pediatrics</i> , 2017, 17, 81.	0.7	18
48	Determinants of Readiness for Adopting Healthy Lifestyle Behaviors Among Indigenous Adolescents with Type 2 Diabetes in Manitoba, Canada: A Cross-sectional Study. <i>Obesity</i> , 2018, 26, 910-915.	1.5	17
49	Examining the Impact of Alcohol Labels on Awareness and Knowledge of National Drinking Guidelines: A Real-World Study in Yukon, Canada. <i>Journal of Studies on Alcohol and Drugs</i> , 2020, 81, 262-272.	0.6	17
50	Patients' perspectives on how to improve diabetes care and self-management: qualitative study. <i>BMJ Open</i> , 2020, 10, e032762.	0.8	17
51	Effects of strengthening alcohol labels on attention, message processing, and perceived effectiveness: A quasi-experimental study in Yukon, Canada. <i>International Journal of Drug Policy</i> , 2020, 77, 102666.	1.6	17
52	The effects of rosiglitazone on myocardial triglyceride content in patients with type 2 diabetes: A randomised, placebo-controlled trial. <i>Diabetes and Vascular Disease Research</i> , 2012, 9, 131-137.	0.9	16
53	Gaps in Knowledge and the Need for Patient-Partners in Research Related to Physical Activity and Type 1 Diabetes: A Narrative Review. <i>Frontiers in Endocrinology</i> , 2019, 10, 42.	1.5	15
54	Engaging indigenous patient partners in patient-oriented research: lessons from a one-year initiative. <i>Research Involvement and Engagement</i> , 2020, 6, 44.	1.1	15

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55	Promotion of physical activity in rural, remote and northern settings: a Canadian call to action. <i>Health Promotion and Chronic Disease Prevention in Canada: Research, Policy and Practice</i> , 2018, 38, 419-435.	0.8	15
56	Beating Diabetes Together: A Mixed-Methods Analysis of a Feasibility Study of Intensive Lifestyle Intervention for Youth with Type 2 Diabetes. <i>Canadian Journal of Diabetes</i> , 2015, 39, 484-490.	0.4	14
57	A clinically relevant method to screen for hepatic steatosis in overweight adolescents: a cross sectional study. <i>BMC Pediatrics</i> , 2015, 15, 151.	0.7	14
58	Pancreatic Lipid Content Is Not Associated with Beta Cell Dysfunction in Youth-Onset Type 2 Diabetes. <i>Canadian Journal of Diabetes</i> , 2015, 39, 398-404.	0.4	14
59	The effect of rosiglitazone on integrated cardiovascular performance, cardiac structure, function and myocardial triglyceride: trial design and rationale. <i>Diabetes and Vascular Disease Research</i> , 2009, 6, 43-50.	0.9	13
60	The Blood Pressure Response to Exercise in Youth with Impaired Glucose Tolerance and Type 2 Diabetes. <i>Pediatric Exercise Science</i> , 2015, 27, 120-127.	0.5	12
61	Examining the impact of a province-wide physical education policy on secondary students' physical activity as a natural experiment. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 98.	2.0	12
62	Communicating risks to drinkers: testing alcohol labels with a cancer warning and national drinking guidelines in Canada. <i>Canadian Journal of Public Health</i> , 2020, 111, 716-725.	1.1	12
63	Exercise in Pregnancy and Children's Cardiometabolic Risk Factors: a Systematic Review and Meta-Analysis. <i>Sports Medicine - Open</i> , 2018, 4, 35.	1.3	11
64	A Holistic Approach to Risk for Early Kidney Injury in Indigenous Youth With Type 2 Diabetes: A Proof of Concept Paper From the iCARE Cohort. <i>Canadian Journal of Kidney Health and Disease</i> , 2019, 6, 205435811983883.	0.6	11
65	Impact of remote prenatal education on program participation and breastfeeding of women in rural and remote Indigenous communities. <i>EClinicalMedicine</i> , 2021, 35, 100851.	3.2	11
66	Does School-Based Health Promotion Affect Physical Activity on Weekends? And, Does It Reach Those Students Most in Need of Health Promotion?. <i>PLoS ONE</i> , 2015, 10, e0137987.	1.1	11
67	Layperson-Led vs Professional-Led Behavioral Interventions for Weight Loss in Pediatric Obesity. <i>JAMA Network Open</i> , 2020, 3, e2010364.	2.8	10
68	Left ventricular systolic performance during prolonged strenuous exercise in female triathletes. <i>Dynamic Medicine: DM</i> , 2003, 2, 2.	2.7	9
69	Physical activity and cardiometabolic health in adolescents with type 2 diabetes: a cross-sectional study. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e002134.	1.2	9
70	The Tri-ponderal Mass Index is associated with adiposity in adolescent type 2 diabetes mellitus: a cross-sectional analysis. <i>Scientific Reports</i> , 2021, 11, 9111.	1.6	8
71	Walking on Water—A Natural Experiment of a Population Health Intervention to Promote Physical Activity after the Winter Holidays. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3627.	1.2	6
72	Use as directed: do standard drink labels on alcohol containers help consumers drink (ir)responsibly? Real-world evidence from a quasi-experimental study in Yukon, Canada. <i>Drug and Alcohol Review</i> , 2021, 40, 247-257.	1.1	6

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73	Is cardiorespiratory fitness a determinant of cardiomyopathy in the setting of type 2 diabetes?. <i>Diabetes and Vascular Disease Research</i> , 2014, 11, 343-351.	0.9	5
74	Determinants of scholarly project completion in a paediatric resident program in Canada. <i>Paediatrics and Child Health</i> , 2019, 24, e98-e103.	0.3	4
75	Why public health matters today and tomorrow: the role of applied public health research. <i>Canadian Journal of Public Health</i> , 2019, 110, 317-322.	1.1	4
76	Cardiovascular Comorbidity Associated With Albuminuria in Youth-Onset Type 2 Diabetes: Analyses From the iCARE Study. <i>Canadian Journal of Diabetes</i> , 2021, 45, 458-465.	0.4	4
77	Multi-use physical activity trails in an urban setting and cardiovascular disease: a difference-in-differences analysis of a natural experiment in Winnipeg, Manitoba, Canada. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2022, 19, 34.	2.0	4
78	Trajectories of objectively measured sedentary time among secondary students in Manitoba, Canada in the context of a province-wide physical education policy: A longitudinal analysis. <i>Canadian Journal of Public Health</i> , 2016, 107, e23-e29.	1.1	3
79	Cardiac structure and function in youth with type 2 diabetes in the iCARE cohort study: Cross-sectional associations with prenatal exposure to diabetes and metabolomic profiles. <i>Pediatric Diabetes</i> , 2020, 21, 233-242.	1.2	3
80	Filling gaps in type 1 diabetes and exercise research: a scoping review and priority-setting project. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001023.	1.2	3
81	Maternal body mass index, offspring body mass index, and blood pressure at 18 years: a causal mediation analysis. <i>International Journal of Obesity</i> , 2021, 45, 2532-2538.	1.6	3
82	Does Personal Learning Style Predict the Ability to Learn Laparoscopic Surgery? A Pilot Study. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2019, 29, 98-102.	0.5	1
83	Restructuring Clinical Trials in Type 1 Diabetes and Exercise in the Context of Adult Patient-Oriented Research: An Intervention Codevelopment Protocol. <i>Canadian Journal of Diabetes</i> , 2020, 44, 734-739.	0.4	1
84	Physical activity trails in an urban setting and cardiovascular disease morbidity and mortality in Winnipeg, Manitoba, Canada: a study protocol for a natural experiment. <i>BMJ Open</i> , 2020, 10, e036602.	0.8	1
85	The essential conditions needed to implement the Indigenous Youth Mentorship Program: a focused ethnography. <i>BMC Public Health</i> , 2022, 22, 213.	1.2	1
86	Stemming the tide of type 2 diabetes in youth: DREAMing big, one sandbag at a time. <i>Biochemistry and Cell Biology</i> , 2015, 93, 423-424.	0.9	0
87	Problematic Consequences of Using Standard Errors Rather Than Standard Deviations—Reply. <i>JAMA Pediatrics</i> , 2015, 169, 95.	3.3	0
88	Interindividual variation in cardiometabolic health outcomes following 6 months of endurance training in youth at risk of type 2 diabetes mellitus. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1-8.	0.9	0