

# Michael I Trenell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1558662/publications.pdf>

Version: 2024-02-01

58  
papers

4,064  
citations

185998

28  
h-index

149479

56  
g-index

60  
all docs

60  
docs citations

60  
times ranked

6762  
citing authors

#	ARTICLE	IF	CITATIONS
1	Movement as Medicine for Cardiovascular Disease Prevention: Pilot Feasibility Study of a Physical Activity Promotion Intervention for At-Risk Patients in Primary Care. <i>JMIR Cardio</i> , 2022, 6, e29035.	0.7	0
2	Using Wearable Activity Trackers to Predict Type 2 Diabetes: Machine Learning-Based Cross-sectional Study of the UK Biobank Accelerometer Cohort. <i>JMIR Diabetes</i> , 2021, 6, e23364.	0.9	12
3	Feasibility of a Very Low Calorie Diet to Achieve a Sustainable 10% Weight Loss in Patients With Nonalcoholic Fatty Liver Disease. <i>Clinical and Translational Gastroenterology</i> , 2020, 11, e00231.	1.3	28
4	The degree of hepatic steatosis associates with impaired cardiac and autonomic function. <i>Journal of Hepatology</i> , 2019, 70, 1203-1213.	1.8	45
5	Supervised walking improves cardiorespiratory fitness, exercise tolerance, and fatigue in women with primary Sjögren's syndrome: a randomized-controlled trial. <i>Rheumatology International</i> , 2019, 39, 227-238.	1.5	20
6	High intensity interval training protects the heart during increased metabolic demand in patients with type 2 diabetes: a randomised controlled trial. <i>Acta Diabetologica</i> , 2019, 56, 321-329.	1.2	9
7	Impact of age on the association between cardiac high-energy phosphate metabolism and cardiac power in women. <i>Heart</i> , 2018, 104, 111-118.	1.2	15
8	Comparison of cardiac output estimates by bioreactance and inert gas rebreathing methods during cardiopulmonary exercise testing. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 483-490.	0.5	11
9	Impact of Age-Related Mitochondrial Dysfunction and Exercise on Intestinal Microbiota Composition. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 571-578.	1.7	28
10	Simultaneous Electrochemical Detection of Glucose and Non-Esterified Fatty Acids (NEFAs) for Diabetes Management. <i>IEEE Sensors Journal</i> , 2018, 18, 9075-9080.	2.4	12
11	Automating the Placement of Time Series Models for IoT Healthcare Applications. , 2018, , .		7
12	Accelerometer-derived physical activity in those with cardio-metabolic disease compared to healthy adults: a UK Biobank study of 52,556 participants. <i>Acta Diabetologica</i> , 2018, 55, 975-979.	1.2	33
13	Skeletal muscle mitochondrial oxidative phosphorylation function in idiopathic pulmonary arterial hypertension: in vivo and in vitro study. <i>Pulmonary Circulation</i> , 2018, 8, 1-5.	0.8	10
14	Systematic review assessing the effectiveness of dietary intervention on gut microbiota in adults with type 2 diabetes. <i>Diabetologia</i> , 2018, 61, 1700-1711.	2.9	74
15	Physical activity but not sedentary activity is reduced in primary Sjögren's syndrome. <i>Rheumatology International</i> , 2017, 37, 623-631.	1.5	16
16	Effects of Exercise on Liver Fat and Metabolism in Alcohol Drinkers. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 1596-1603.e3.	2.4	9
17	Lifestyle Behavior Change in Patients With Nonalcoholic Fatty Liver Disease: A Qualitative Study of Clinical Practice. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 1968-1971.	2.4	37
18	Pathophysiology of exercise intolerance in chronic diseases: the role of diminished cardiac performance in mitochondrial and heart failure patients. <i>Open Heart</i> , 2017, 4, e000632.	0.9	19

#	ARTICLE	IF	CITATIONS
19	Low physical activity, high television viewing and poor sleep duration cluster in overweight and obese adults; a cross-sectional study of 398,984 participants from the UK Biobank. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 57.	2.0	51
20	A study of physical activity comparing people with Charcot-Marie-Tooth disease to normal control subjects. <i>Disability and Rehabilitation</i> , 2017, 39, 1753-1758.	0.9	19
21	Does the liver accelerate ageing: Talking muscles and liver?. <i>Journal of Hepatology</i> , 2017, 66, 8-10.	1.8	2
22	Exercise Reduces Liver Lipids and Visceral Adiposity in Patients With Nonalcoholic Steatohepatitis in a Randomized Controlled Trial. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 96-102.e3.	2.4	163
23	High-intensity interval training: a review of its impact on glucose control and cardiometabolic health. <i>Diabetologia</i> , 2017, 60, 7-23.	2.9	157
24	Measuring Habitual Physical Activity in Neuromuscular Disorders: A Systematic Review. <i>Journal of Neuromuscular Diseases</i> , 2017, 4, 25-52.	1.1	28
25	Large Scale Population Assessment of Physical Activity Using Wrist Worn Accelerometers: The UK Biobank Study. <i>PLoS ONE</i> , 2017, 12, e0169649.	1.1	654
26	The cardio-metabolic impact of taking commonly prescribed analgesic drugs in 133,401 UK Biobank participants. <i>PLoS ONE</i> , 2017, 12, e0187982.	1.1	8
27	Age-related decline in cardiac autonomic function is not attenuated with increased physical activity. <i>Oncotarget</i> , 2016, 7, 76390-76397.	0.8	7
28	Gut Microbiota and Lifestyle Interventions in NAFLD. <i>International Journal of Molecular Sciences</i> , 2016, 17, 447.	1.8	75
29	Dietary nitrate does not affect physical activity or outcomes in healthy older adults in a randomized, cross-over trial. <i>Nutrition Research</i> , 2016, 36, 1361-1369.	1.3	25
30	Prevalence and risk factors for prolonged QT interval and QT dispersion in patients with type 2 diabetes. <i>Acta Diabetologica</i> , 2016, 53, 737-744.	1.2	63
31	Exercise therapy in primary biliary cirrhosis: the importance of moving while sitting on a surgical waiting list—a case study: Table 1. <i>Frontline Gastroenterology</i> , 2016, 7, 167-169.	0.9	7
32	Cross-sectional study of diet, physical activity, television viewing and sleep duration in 233,110 adults from the UK Biobank; the behavioural phenotype of cardiovascular disease and type 2 diabetes. <i>BMJ Open</i> , 2016, 6, e010038.	0.8	128
33	The effect of percutaneous coronary intervention on habitual physical activity in older patients. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 248.	0.7	14
34	The effect of age on the relationship between cardiac and vascular function. <i>Mechanisms of Ageing and Development</i> , 2016, 153, 1-6.	2.2	35
35	Sucrose ingestion after exhaustive exercise accelerates liver, but not muscle glycogen repletion compared with glucose ingestion in trained athletes. <i>Journal of Applied Physiology</i> , 2016, 120, 1328-1334.	1.2	43
36	Targeting Lifestyle Behavior Change in Adults with NAFLD During a 20-min Consultation: Summary of the Dietary and Exercise Literature. <i>Current Gastroenterology Reports</i> , 2016, 18, 11.	1.1	34

#	ARTICLE	IF	CITATIONS
37	Exercise Induces Peripheral Muscle But Not Cardiac Adaptations After Stroke: A Randomized Controlled Pilot Trial. Archives of Physical Medicine and Rehabilitation, 2016, 97, 596-603.	0.5	12
38	High intensity intermittent exercise improves cardiac structure and function and reduces liver fat in patients with type 2 diabetes: a randomised controlled trial. Diabetologia, 2016, 59, 56-66.	2.9	141
39	A comparison of subjective and objective measures of physical activity from the Newcastle 85+ study. Age and Ageing, 2015, 44, 691-694.	0.7	53
40	Modified high-intensity interval training reduces liver fat and improves cardiac function in non-alcoholic fatty liver disease: a randomized controlled trial. Clinical Science, 2015, 129, 1097-1105.	1.8	165
41	Preliminary Evaluation of Clinician Rated Outcome Measures in Mitochondrial Disease. Journal of Neuromuscular Diseases, 2015, 2, 151-155.	1.1	8
42	Systematic development of a theory-informed multifaceted behavioural intervention to increase physical activity of adults with type 2 diabetes in routine primary care: Movement as Medicine for Type 2 Diabetes. Implementation Science, 2015, 11, 99.	2.5	19
43	A Novel, Open Access Method to Assess Sleep Duration Using a Wrist-Worn Accelerometer. PLoS ONE, 2015, 10, e0142533.	1.1	432
44	Ingestion of glucose or sucrose prevents liver but not muscle glycogen depletion during prolonged endurance-type exercise in trained cyclists. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E1032-E1039.	1.8	60
45	Non-alcoholic fatty liver disease is associated with higher levels of objectively measured sedentary behaviour and lower levels of physical activity than matched healthy controls. Frontline Gastroenterology, 2015, 6, 44-51.	0.9	91
46	Effect of Physical Activity on Age-Related Changes in Cardiac Function and Performance in Women. Circulation: Cardiovascular Imaging, 2015, 8, .	1.3	27
47	Sedentary behaviour, physical activity, and NAFLD: Curse of the chair. Journal of Hepatology, 2015, 63, 1064-1065.	1.8	19
48	Effects of Community Exercise Therapy on Metabolic, Brain, Physical, and Cognitive Function Following Stroke. Neurorehabilitation and Neural Repair, 2015, 29, 623-635.	1.4	102
49	In Vivo Mitochondrial Function in HIV-Infected Persons Treated with Contemporary Anti-Retroviral Therapy: A Magnetic Resonance Spectroscopy Study. PLoS ONE, 2014, 9, e84678.	1.1	10
50	Bioimpedance and bioreactance methods for monitoring cardiac output. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2014, 28, 381-394.	1.7	56
51	Association Between Questionnaire- and Accelerometer-Assessed Physical Activity: The Role of Sociodemographic Factors. American Journal of Epidemiology, 2014, 179, 781-790.	1.6	225
52	Effect of Left Ventricular Assist Device Implantation and Heart Transplantation on Habitual Physical Activity and Quality of Life. American Journal of Cardiology, 2014, 114, 88-93.	0.7	65
53	A Low-Glycemic Index Meal and Bedtime Snack Prevents Postprandial Hyperglycemia and Associated Rises in Inflammatory Markers, Providing Protection From Early but Not Late Nocturnal Hypoglycemia Following Evening Exercise in Type 1 Diabetes. Diabetes Care, 2014, 37, 1845-1853.	4.3	52
54	Autocalibration of accelerometer data for free-living physical activity assessment using local gravity and temperature: an evaluation on four continents. Journal of Applied Physiology, 2014, 117, 738-744.	1.2	413

#	ARTICLE	IF	CITATIONS
55	Movement Recognition Technology as a Method of Assessing Spontaneous General Movements in High Risk Infants. <i>Frontiers in Neurology</i> , 2014, 5, 284.	1.1	100
56	Metabolic Implications when Employing Heavy Pre- and Post-Exercise Rapid-Acting Insulin Reductions to Prevent Hypoglycaemia in Type 1 Diabetes Patients: A Randomised Clinical Trial. <i>PLoS ONE</i> , 2014, 9, e97143.	1.1	38
57	Increased Daily Walking Improves Lipid Oxidation Without Changes in Mitochondrial Function in Type 2 Diabetes. <i>Diabetes Care</i> , 2008, 31, 1644-1649.	4.3	61
58	Effect of high and low glycaemic index recovery diets on intramuscular lipid oxidation during aerobic exercise. <i>British Journal of Nutrition</i> , 2008, 99, 326-332.	1.2	17