

Martin Bahls

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,088
citations

430843

18
h-index

501174

28
g-index

80
all docs

80
docs citations

80
times ranked

1909
citing authors

#	ARTICLE	IF	CITATIONS
1	Low cardiopulmonary fitness is associated with higher liver fat content and higher $\gamma\text{-glutamyltransferase}$ concentrations in the general population – The Sedentary Liver. <i>Liver International</i> , 2022, 42, 585-594.	3.9	3
2	How to establish causality between physical inactivity and mortality?. <i>European Journal of Preventive Cardiology</i> , 2022, 29, e266-e267.	1.8	5
3	Association of Cardiopulmonary Exercise Capacity and Adipokines in the General Population. <i>International Journal of Sports Medicine</i> , 2022, 43, 616-624.	1.7	4
4	Simultaneous assessment of spontaneous cage activity and voluntary wheel running in group-housed mice. <i>Scientific Reports</i> , 2022, 12, 4444.	3.3	0
5	Cohort Profile Update: The Study of Health in Pomerania (SHIP). <i>International Journal of Epidemiology</i> , 2022, 51, e372-e383.	1.9	73
6	Sphingosine-1-phosphate and vascular disease in the general population. <i>Atherosclerosis</i> , 2022, 350, 73-81.	0.8	3
7	Physical activity and Parkinson's disease: a two-sample Mendelian randomisation study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 334-335.	1.9	6
8	Lower Cardiorespiratory Fitness Is Associated With a Smaller and Stiffer Heart. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 310-313.	5.3	10
9	Physical activity and cardiorespiratory fitness – A ten-year follow-up. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 742-751.	2.9	10
10	Association of proton pump inhibitor use with endothelial function and metabolites of the nitric oxide pathway: A cross-sectional study. <i>Pharmacotherapy</i> , 2021, 41, 198-204.	2.6	15
11	Physical activity, sedentary behavior and risk of coronary artery disease, myocardial infarction and ischemic stroke: a two-sample Mendelian randomization study. <i>Clinical Research in Cardiology</i> , 2021, 110, 1564-1573.	3.3	28
12	Low serum TSH levels are associated with low values of fat-free mass and body cell mass in the elderly. <i>Scientific Reports</i> , 2021, 11, 10547.	3.3	2
13	Applications of artificial intelligence/machine learning approaches in cardiovascular medicine: a systematic review with recommendations. <i>European Heart Journal Digital Health</i> , 2021, 2, 424-436.	1.7	33
14	Association of sex-specific differences in lipoprotein(a) concentrations with cardiovascular mortality in individuals with type 2 diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2021, 20, 168.	6.8	11
15	Cardiac Hypertrophy Is Associated With Advanced Brain Aging in the General Population. <i>Journal of the American Heart Association</i> , 2021, 10, e020994.	3.7	5
16	Lower muscular strength is associated with smaller left and right chambers and lower cardiac mass in the general population – The Sedentary's Heart. <i>Progress in Cardiovascular Diseases</i> , 2021, 68, 36-51.	3.1	9
17	Cardiac MRI shows an association of lower cardiorespiratory fitness with decreased myocardial mass and higher cardiac stiffness in the general population – The Sedentary's Heart. <i>Progress in Cardiovascular Diseases</i> , 2021, 68, 25-35.	3.1	8
18	Arginine metabolism and nitric oxide turnover in the ZSF1 animal model for heart failure with preserved ejection fraction. <i>Scientific Reports</i> , 2021, 11, 20684.	3.3	9

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19	A 10-year follow-up of key gas exchange exercise parameters in a general population: results of the Study of Health in Pomerania. ERJ Open Research, 2021, 7, 00350-2020.	2.6	0
20	Lower Cardiorespiratory Fitness Is Associated With Right Ventricular Geometry and Function â€“ The Sedentaryâ€™s Heart: SHIP. Journal of the American Heart Association, 2021, 10, e021116.	3.7	8
21	Cardioprotective effect of the secretome of Sca-1+ and Sca-1â™ cells in heart failure: not equal, but equally important?. Cardiovascular Research, 2020, 116, 566-575.	3.8	8
22	Towards a personalised approach in exercise-based cardiovascular rehabilitation: How can translational research help? A â€“call to actionâ€™ from the Section on Secondary Prevention and Cardiac Rehabilitation of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2020, 27, 1369-1385.	1.8	43
23	Progression of conventional cardiovascular risk factors and vascular disease risk in individuals: insights from the PROG-IMT consortium. European Journal of Preventive Cardiology, 2020, 27, 234-243.	1.8	10
24	Do accelerometer-based physical activity patterns differentially affect cardiorespiratory fitness? A growth mixture modeling approach. Journal of Behavioral Medicine, 2020, 43, 99-107.	2.1	2
25	Cardiorespiratory Fitness and Gray Matter Volume in the Temporal, Frontal, and Cerebellar Regions in the General Population. Mayo Clinic Proceedings, 2020, 95, 44-56.	3.0	53
26	Physical activity and risk of Alzheimer disease. Neurology, 2020, 95, e1897-e1905.	1.1	17
27	The association between thyroid function biomarkers and attention deficit hyperactivity disorder. Scientific Reports, 2020, 10, 18285.	3.3	9
28	Carotid Lumen Diameter Is Associated With All-cause Mortality in the General Population. Journal of the American Heart Association, 2020, 9, e015630.	3.7	14
29	Arginine derivatives in atrial fibrillation progression phenotypes. Journal of Molecular Medicine, 2020, 98, 999-1008.	3.9	4
30	Physical Activity Does Not Lower the Risk of Lung Cancer. Cancer Research, 2020, 80, 3765-3769.	0.9	13
31	Epidemiology: Physical Activity, Exercise and Mortality. , 2020, , 703-717.		1
32	Cardiorespiratory and metabolic responses to exercise testing during lower-body positive pressure running. Journal of Applied Physiology, 2020, 128, 778-784.	2.5	1
33	The Immune Response To Cardiorespiratory Exercise Testing In Heart Failure Patients With Reduced Ejection Fraction. Medicine and Science in Sports and Exercise, 2020, 52, 16-16.	0.4	0
34	Glucose and insulin levels are associated with arterial stiffness and concentric remodeling of the heart. Cardiovascular Diabetology, 2019, 18, 145.	6.8	58
35	Sex-Specific Associations of Brain-Derived Neurotrophic Factor and Cardiorespiratory Fitness in the General Population. Biomolecules, 2019, 9, 630.	4.0	7
36	Differential activation of the renin-angiotensin-aldosterone-system in response to childhood and adulthood trauma. Psychoneuroendocrinology, 2019, 107, 232-240.	2.7	17

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37	Heterogeneous Metabolic Response to Exercise Training in Heart Failure with Preserved Ejection Fraction. <i>Journal of Clinical Medicine</i> , 2019, 8, 591.	2.4	4
38	Brain-derived neurotrophic factor is related with adverse cardiac remodeling and high NTproBNP. <i>Scientific Reports</i> , 2019, 9, 15421.	3.3	24
39	Exercise training to reduce cardiovascular risk in patients with metabolic syndrome and type 2 diabetes mellitus: How does it work?. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 701-708.	1.8	37
40	The Influence of BDNF and Exercise on the Progression of Heart Failure in Mice. <i>FASEB Journal</i> , 2019, 33, 532.11.	0.5	1
41	Extracellular Cyclophilin A Inhibitor MM284 Supports Proliferation and Migration of Human Coronary Artery Endothelial Cells. <i>FASEB Journal</i> , 2019, 33, 527.7.	0.5	0
42	Exercise, but not statins improve endothelial function in obese rats. <i>FASEB Journal</i> , 2019, 33, 541.20.	0.5	0
43	Cardiopulmonary fitness is strongly associated with body cell mass and fat-free mass. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1628-1635.	2.9	21
44	Alcohol consumption and cardiorespiratory fitness in five population-based studies. <i>European Journal of Preventive Cardiology</i> , 2018, 25, 164-172.	1.8	15
45	Association of domain-specific physical activity and cardiorespiratory fitness with all-cause and cause-specific mortality in two population-based cohort studies. <i>Scientific Reports</i> , 2018, 8, 16066.	3.3	29
46	Metabolomic profiling implicates adiponectin as mediator of a favorable lipoprotein profile associated with NT-proBNP. <i>Cardiovascular Diabetology</i> , 2018, 17, 120.	6.8	19
47	The pattern of a broken heart: Can circulating miRs help to distinguish cardiac pathologies from normal post-exercise recovery?. <i>International Journal of Cardiology</i> , 2018, 264, 145-146.	1.7	0
48	Low-Circulating Homocysteine is Associated with Dilatation and Decreased Function of the Left Ventricle in the General Population. <i>Biomolecules</i> , 2018, 8, 63.	4.0	11
49	Exercise, but not statins improve vasodilation in obesity-induced endothelial dysfunction in Wistar rats. <i>FASEB Journal</i> , 2018, 32, 855.26.	0.5	0
50	Reference intervals for serum sphingosine-1-phosphate in the population-based Study of Health in Pomerania. <i>Clinica Chimica Acta</i> , 2017, 468, 25-31.	1.1	25
51	Domains of physical activity and brain volumes: A population-based study. <i>NeuroImage</i> , 2017, 156, 101-108.	4.2	20
52	Data on subgroup specific baseline characteristics and serum sphingosine-1-phosphate concentrations in the Study of Health in Pomerania. <i>Data in Brief</i> , 2017, 12, 46-50.	1.0	8
53	Changes in Body Weight and Composition Are Associated With Changes in Left Ventricular Geometry and Function in the General Population. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, e005544.	2.6	24
54	Prediabetes is associated with lower brain gray matter volume in the general population. The Study of Health in Pomerania (SHIP). <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017, 27, 1114-1122.	2.6	15

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55	Association between serum neuron-specific enolase, age, overweight, and structural MRI patterns in 901 subjects. <i>Translational Psychiatry</i> , 2017, 7, 1272.	4.8	9
56	Statins are related to impaired exercise capacity in males but not females. <i>PLoS ONE</i> , 2017, 12, e0179534.	2.5	10
57	Associations of Leisure-Time and Occupational Physical Activity and Cardiorespiratory Fitness With Incident and Recurrent Major Depressive Disorder, Depressive Symptoms, and Incident Anxiety in a General Population. <i>Journal of Clinical Psychiatry</i> , 2017, 78, e41-e47.	2.2	43
58	Circulating Irisin Concentrations Are Associated with a Favourable Lipid Profile in the General Population. <i>PLoS ONE</i> , 2016, 11, e0154319.	2.5	60
59	Cachexia and right ventricular dysfunction in chronic heart failure: what is the chicken and what the egg?. <i>European Heart Journal</i> , 2016, 37, 1692-1694.	2.2	7
60	L-Arginine Derivatives Are Associated with the Hyperthyroid State in the General Population. <i>Thyroid</i> , 2016, 26, 212-218.	4.5	10
61	Effect of High-Calcium Diet on Coronary Artery Disease in Ossabaw Miniature Swine With Metabolic Syndrome. <i>Journal of the American Heart Association</i> , 2015, 4, e001620.	3.7	24
62	Regulation of the endothelial apelin/APJ system by hemodynamic fluid flow. <i>Cellular Signalling</i> , 2015, 27, 1286-1296.	3.6	40
63	L-Arginine and SDMA Serum Concentrations Are Associated with Subclinical Atherosclerosis in the Study of Health in Pomerania (SHIP). <i>PLoS ONE</i> , 2015, 10, e0131293.	2.5	14
64	Abstract 11597: Voluntary and Occupational Physical Activity Have Different Effects on Mortality. <i>Circulation</i> , 2015, 132, .	1.6	0
65	Mother's exercise during pregnancy programmes vasomotor function in adult offspring. <i>Experimental Physiology</i> , 2014, 99, 205-219.	2.0	16
66	Gene expression differences during the heterogeneous progression of peripheral atherosclerosis in familial hypercholesterolemic swine. <i>BMC Genomics</i> , 2013, 14, 443.	2.8	9
67	Altered resting hemodynamics in lower-extremity arteries of individuals with spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2013, 36, 104-111.	1.4	8
68	Impact of porcine maternal aerobic exercise training during pregnancy on endothelial cell function of offspring at birth. <i>Journal of Developmental Origins of Health and Disease</i> , 2012, 3, 04-09.	1.4	20
69	Maternal exercise during pregnancy alters vascular smooth muscle relaxation in offspring. <i>FASEB Journal</i> , 2012, 26, 1138.6.	0.5	0
70	Impact of maternal and postnatal nutrition on femoral artery vascular function of offspring. <i>FASEB Journal</i> , 2012, 26, 829.2.	0.5	0
71	Mechanostasis in apoptosis and medicine. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 106, 517-524.	2.9	28
72	Evidence for greater burden of peripheral arterial disease in lower extremity arteries of spinal cord-injured individuals. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H766-H772.	3.2	24

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73	Gene expression differences in healthy brachial and femoral arteries of Rapacz familial hypercholesterolemic swine. <i>Physiological Genomics</i> , 2011, 43, 781-788.	2.3	11
74	Maternal Exercise Leads to Altered Vascular Endothelial Function in Female Porcine Offspring.. <i>Biology of Reproduction</i> , 2011, 85, 261-261.	2.7	0
75	Impact of COVID-19 on young healthcare professionals. <i>European Journal of Preventive Cardiology</i> , 0, , .	1.8	1