Mathieu Gayda

List of Publications by Year
in descending order

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96	2,025	236925	265206
papers	citations	25 h-index	42 g-index

98	98	98	2668
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performances on the Montreal Cognitive Assessment Along the Cardiovascular Disease Continuum. Archives of Clinical Neuropsychology, 2022, 37, 117-124.	0.5	7
2	Cardiopulmonary Rehabilitation in Long-COVID-19 Patients with Persistent Breathlessness and Fatigue: The COVID-Rehab Study. International Journal of Environmental Research and Public Health, 2022, 19, 4133.	2.6	45
3	Effects of Nine-Month Lifestyle Intervention on Cardiometabolic Risk Factors: Sex Differences in Obese Individuals. Obesities, 2021, 1, 29-35.	0.8	0
4	Women and men with coronary heart disease respond similarly to different aerobic exercise training modalities: a pooled analysis of prospective randomized trials. Applied Physiology, Nutrition and Metabolism, 2021, 46, 417-425.	1.9	6
5	Coronary artery disease and its impact on the pulsatile brain: AÂfunctional NIRS study. Human Brain Mapping, 2021, 42, 3760-3776.	3.6	3
6	Impact of 2 different aerobic periodization training protocols on left ventricular function in patients with stable coronary artery disease: an exploratory study. Applied Physiology, Nutrition and Metabolism, 2021, 46, 436-442.	1.9	4
7	COVEPIC (Cognitive and spOrt Virtual EPIC training) investigating the effects of home-based physical exercise and cognitive training on cognitive and physical functions in community-dwelling older adults: study protocol of a randomized single-blinded clinical trial. Trials, 2021, 22, 505.	1.6	6
8	Impact of aerobic training periodisation on global and regional right ventricular strain in coronary heart disease. Applied Physiology, Nutrition and Metabolism, 2021, 46, 1502-1509.	1.9	0
9	Investigation of the Effects of Home-Based Exercise and Cognitive Training on Cognitive and Physical Functions in Cardiac Patients: The COVEPICARDIO Study Protocol of a Randomized Clinical Trial. Frontiers in Cardiovascular Medicine, 2021, 8, 740834.	2.4	3
10	Moderate-intensity continuous exercise is superior to high-intensity interval training in the proportion of VO2peak responders after ACS. Revista Espanola De Cardiologia (English Ed), 2020, 73, 725-733.	0.6	7
11	Non-linear is not superior to linear aerobic training periodization in coronary heart disease patients. European Journal of Preventive Cardiology, 2020, 27, 1691-1698.	1.8	11
12	Cardiorespiratory Fitness Mediates Cognitive Performance in Chronic Heart Failure Patients and Heart Transplant Recipients. International Journal of Environmental Research and Public Health, 2020, 17, 8591.	2.6	4
13	Cardiac Rehabilitation During Quarantine in COVID-19 Pandemic: Challenges for Center-Based Programs. Archives of Physical Medicine and Rehabilitation, 2020, 101, 1835-1838.	0.9	65
14	Association between Statin Use and Balance in Older Adults. International Journal of Environmental Research and Public Health, 2020, 17, 4662.	2.6	9
15	Eighteen months of combined Mediterranean diet and high-intensity interval training successfully maintained body mass loss in obese individuals. Annals of Physical and Rehabilitation Medicine, 2020, 63, 245-248.	2.3	2
16	Obese but Fit: The Benefits of Fitness on Cognition in Obese Older Adults. Canadian Journal of Cardiology, 2020, 36, 1747-1753.	1.7	12
17	The impact of highâ€intensity interval training on ventricular remodeling in patients with a recent acute myocardial infarctionâ€”A randomized training intervention pilot study. Clinical Cardiology, 2019, 42, 1222-1231.	1.8	23
18	Ambulatory blood pressure reduction following 2 weeks of high-intensity interval training on an immersed ergocycle. Archives of Cardiovascular Diseases, 2019, 112, 680-690.	1.6	8

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19	Effects of interval training on risk markers for arrhythmic death: a randomized controlled trial. Clinical Rehabilitation, 2019, 33, 1320-1330.	2.2	11
20	Beta-Blocker Type Effect on Substrate Oxidation during HIIE in Heart Failure Patients: Pilot Data. Arquivos Brasileiros De Cardiologia, 2019, 112, 304-308.	0.8	0
21	Cardiopulmonary, biomarkers, and vascular responses to acute hypoxia following cardiac transplantation. Clinical Transplantation, 2018, 32, e13352.	1.6	2
22	Pulmonary Responses During Exercise On Dryland Vs. Immersible Ergocycle. Medicine and Science in Sports and Exercise, 2018, 50, 277.	0.4	0
23	High-intensity interval training in patients with coronary heart disease: Prescription models and perspectives. Annals of Physical and Rehabilitation Medicine, 2017, 60, 50-57.	2.3	81
24	Immersible ergocycle prescription as a function of relative exercise intensity. Journal of Sport and Health Science, 2017, 6, 219-224.	6.5	11
25	Comparison of Carbohydrate and Lipid Oxidation During Different High-Intensity Interval Exercise in Patients with Chronic Heart Failure. American Journal of Physical Medicine and Rehabilitation, 2017, 96, 50-54.	1.4	2
26	Cardiovascular and cerebral hemodynamics during exercise and recovery in obese individuals as a function of their fitness status. Physiological Reports, 2017, 5, e13321.	1.7	11
27	Thermoneutral immersion exercise accelerates heart rate recovery: A potential novel training modality. European Journal of Sport Science, 2017, 17, 310-316.	2.7	6
28	Whole-body strength training with Huber Motion Lab and traditional strength training in cardiac rehabilitation: A randomized controlled study. Annals of Physical and Rehabilitation Medicine, 2017, 60, 20-26.	2.3	9
29	Cognitive function in patients with stable coronary heart disease: Related cerebrovascular and cardiovascular responses. PLoS ONE, 2017, 12, e0183791.	2.5	27
30	Parasympathetic Reactivation Is Improved After Maximal Cycling Exercise In Immersion As Compared To Dryland Condition. Medicine and Science in Sports and Exercise, 2016, 48, 371.	0.4	0
31	Relationships Between Vo2peak, Cerebral Hemodynamics During Exercise And Cognitive Function In Type 2 Diabetes Patients.. Medicine and Science in Sports and Exercise, 2016, 48, 535.	0.4	0
32	A single Mediterranean meal does not impair postprandial flow-mediated dilatation in healthy men with subclinical metabolic dysregulations. Applied Physiology, Nutrition and Metabolism, 2016, 41, 888-894.	1.9	15
33	Net Blood Pressure Reduction Following 9 Months of Lifestyle and Highâ€Intensity Interval Training Intervention in Individuals With Abdominal Obesity. Journal of Clinical Hypertension, 2016, 18, 1128-1134.	2.0	7
34	Comparison of Different Forms of Exercise Training in Patients With Cardiac Disease: Where Does High-Intensity Interval Training Fit?. Canadian Journal of Cardiology, 2016, 32, 485-494.	1.7	70
35	Ambulatory blood pressure reduction following high-intensity interval exercise performed in water or dryland condition. Journal of the American Society of Hypertension, 2016, 10, 420-428.	2.3	26
36	Cerebral Hemodynamics During Exercise and Recovery in Heart Transplant Recipients. Canadian Journal of Cardiology, 2016, 32, 539-546.	1.7	7

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37	Lower Methylation of the ANGPTL2 Gene in Leukocytes from Post-Acute Coronary Syndrome Patients. PLoS ONE, 2016, 11, e0153920.	2.5	18
38	Exercise Lowers Plasma Angiopoietin-Like 2 in Men with Post-Acute Coronary Syndrome. PLoS ONE, 2016, 11, e0164598.	2.5	12
39	Cerebral And Cardiac Hemodynamics During Exercise Are Related To Cognitive Function In Heart Transplant Recipients. Medicine and Science in Sports and Exercise, 2016, 48, 260.	0.4	0
40	External Work Efficiency On Immersed Ergocycle Vs. Dryland Ergocycle. Medicine and Science in Sports and Exercise, 2016, 48, 705.	0.4	0
41	Muscle VO2 and forearm blood flow repeatability during venous and arterial occlusions in healthy and coronary heart disease subjects. Clinical Hemorheology and Microcirculation, 2015, 59, 177-183.	1.7	5
42	Acute High-Intensity Intermittent Aerobic Exercise ReducesÂPlasma Angiopoietin-Like 2 in Patients With Coronary Artery Disease. Canadian Journal of Cardiology, 2015, 31, 1232-1239.	1.7	14
43	Effect of aquatic interval training with Mediterranean diet counseling in obese patients: Results of a preliminary study. Annals of Physical and Rehabilitation Medicine, 2015, 58, 269-275.	2.3	23
44	Cardiometabolic and traditional cardiovascular risk factors and their potential impact on macrovascular and microvascular function: Preliminary data. Clinical Hemorheology and Microcirculation, 2015, 59, 53-65.	1.7	27
45	Cardiovascular and hemodynamic responses on dryland vs. immersed cycling. Journal of Science and Medicine in Sport, 2015, 18, 619-623.	1.3	23
46	Whole-Body Strength Training Using a Huber Motion Lab in Coronary Heart Disease Patients. American Journal of Physical Medicine and Rehabilitation, 2015, 94, 385-394.	1.4	6
47	Intensive lifestyle intervention including high-intensity interval training program improves insulin resistance and fasting plasma glucose in obese patients. Preventive Medicine Reports, 2015, 2, 314-318.	1.8	13
48	Letter regarding the article: Changes in BNP and cardiac troponin I after high-intensity interval and endurance exercise in heart failure patients and healthy controls. International Journal of Cardiology, 2015, 187, 151.	1.7	1
49	Biomechanical analysis to determine the external power output on an immersible ergocycle. European Journal of Sport Science, 2015, 15, 271-278.	2.7	16
50	Discussion of â€œCardiorespiratory alterations induced by low-intensity exercise performed in water or on landâ€• Applied Physiology, Nutrition and Metabolism, 2015, 40, 963-963.	1.9	1
51	Effect of interval training on cognitive functioning and cerebral oxygenation in obese patients: A pilot study. Journal of Rehabilitation Medicine, 2014, 46, 1050-1054.	1.1	55
52	Provocative Issues in Heart Disease Prevention. Canadian Journal of Cardiology, 2014, 30, S401-S409.	1.7	26
53	Changes in Cardiopulmonary Reserve and Peripheral Arterial Function Concomitantly with Subclinical Inflammation and Oxidative Stress in Patients with Heart Failure with Preserved Ejection Fraction. International Journal of Vascular Medicine, 2014, 2014, 1-8.	1.0	14
54	Are Drastic Caloric Restrictions and Moderate-Intensity Physical Activity Still Relevant Lifestyle Interventions for Obese Patients With Type 2 Diabetes?. Canadian Journal of Cardiology, 2014, 30, 465.e9.	1.7	1

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55	Intensive Lifestyle Intervention Improves Cardiometabolic and Exercise Parameters in Metabolically Healthy Obese and Metabolically Unhealthy Obese Individuals. Canadian Journal of Cardiology, 2014, 30, 434-440.	1.7	70
56	Body composition and insulin sensitivity after highâ€intensity interval training in overweight/obese patients. Obesity, 2014, 22, 624-624.	3.0	2
57	Relationship Between %VO2max, %HRmax, %HRR and %VO2R For Exercise Training Prescription On Immersible Ergocycle. Medicine and Science in Sports and Exercise, 2014, 46, 837-838.	0.4	0
58	A Single Bout of High-Intensity Interval Exercise Does Not Increase Endothelial or Platelet Microparticles in Stable, Physically Fit Men With Coronary Heart Disease. Canadian Journal of Cardiology, 2013, 29, 1285-1291.	1.7	30
59	Comparison of Carbohydrate and Lipid Oxidation During Continuous and Intermittent Exercise in Patients With Chronic Heart Failure. Canadian Journal of Cardiology, 2013, 29, 990-992.	1.7	9
60	Eighteen Months of Intense Lifestyle Intervention Including High Intensity Interval Training Improved and Maintained Body Composition, Cardiometabolic Risk and Exercise Parameters in Obese Patients. Canadian Journal of Cardiology, 2013, 29, S333.	1.7	1
61	Acute Responses to Intermittent and Continuous Exercise in Heart Failure Patients. Canadian Journal of Cardiology, 2013, 29, 466-471.	1.7	30
62	High-Intensity Aerobic Interval Exercise in Chronic Heart Failure. Current Heart Failure Reports, 2013, 10, 130-138.	3.3	68
63	Angiopoietinâ€Like 2 Promotes Atherogenesis in Mice. Journal of the American Heart Association, 2013, 2, e000201.	3.7	53
64	Abstract 500: Basal Peripheral Arterial Blood Flow Increases Concomitantly with Decreased Cardiopulmonary Reserve and Biomarkers Activation in Patients with Heart Failure and Preserved Ejection Fraction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
65	Effects of Sauna Alone Versus Postexercise Sauna Baths on Short-term Heart Rate Variability in Patients With Untreated Hypertension. Journal of Cardiopulmonary Rehabilitation and Prevention, 2012, 32, 147-154.	2.1	16
66	Effects of an aerobic and resistance training program on functional capacity and glucose regulation in patients with heart failure and diabetes. Cardiovascular Endocrinology, 2012, 1, 43-48.	0.8	0
67	Reproducibility of near-infrared spectroscopy parameters measured during brachial artery occlusion and reactive hyperemia in healthy men. Journal of Biomedical Optics, 2012, 17, 0770101.	2.6	37
68	Long-term Lifestyle Intervention with Optimized High-Intensity Interval Training Improves Body Composition, Cardiometabolic Risk, and Exercise Parameters in Patients with Abdominal Obesity. American Journal of Physical Medicine and Rehabilitation, 2012, 91, 941-950.	1.4	79
69	High-Intensity Interval Exercise in Chronic Heart Failure: Protocol Optimization. Journal of Cardiac Failure, 2012, 18, 126-133.	1.7	61
70	Effects of fasting and/or postprandial glucose on heart rate recovery in patients with coronary heart disease. Diabetes and Metabolism, 2012, 38, 20-26.	2.9	3
71	Heart Rate Recovery After Exercise and Long-term Prognosis in Patients With Coronary Artery Disease. Canadian Journal of Cardiology, 2012, 28, 201-207.	1.7	23
72	749 Cognitive Performance, Cerebral Oxygenation, Exercise Capacity and Cardiac Output in Patients with Coronary Heart Disease. Canadian Journal of Cardiology, 2012, 28, S386-S387.	1.7	4

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73	Central hemodynamic responses during acute high-intensity interval exercise and moderate continuous exercise in patients with heart failure. Applied Physiology, Nutrition and Metabolism, 2012, 37, 1171-1178.	1.9	29
74	Exercise and longevity. Maturitas, 2012, 73, 312-317.	2.4	157
75	Comparison of the metabolic energy cost of overground and treadmill walking in older adults. European Journal of Applied Physiology, 2012, 112, 1613-1620.	2.5	52
76	Effects of Sauna Alone and Postexercise Sauna Baths on Blood Pressure and Hemodynamic Variables in Patients With Untreated Hypertension. Journal of Clinical Hypertension, 2012, 14, 553-560.	2.0	38
77	Comment on the paper by Gibala, Little, Macdonald and Hawley entitled Physiological adaptations to lowâ€volume, highâ€intensity interval training in health and disease. Journal of Physiology, 2012, 590, 3389-3389.	2.9	2
78	Long-term high-intensity interval training improves QT dispersion parameters in metabolic syndrome patients. Canadian Journal of Diabetes, 2011, 35, 189.	0.8	0
79	Acute Responses to High-Intensity Intermittent Exercise in CHD Patients. Medicine and Science in Sports and Exercise, 2011, 43, 211-217.	0.4	65
80	Response to the letter of M. Brugnoli. European Journal of Applied Physiology, 2011, 111, 895-896.	2.5	2
81	High-Intensity Aerobic Interval Training in a Patient with Stable Angina Pectoris. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 83-86.	1.4	15
82	Optimization and Reliability of a Deep Water Running Test in Healthy Adults Older than 45 Years. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 722-730.	1.4	7
83	Optimization of high intensity interval exercise in coronary heart disease. European Journal of Applied Physiology, 2010, 108, 733-740.	2.5	86
84	Comparison of gas exchange data using the AquatrainerÂ® system and the facemask with Cosmed K4b2 during exercise in healthy subjects. European Journal of Applied Physiology, 2010, 109, 191-199.	2.5	26
85	Long-Term Exercise-Training Improves QT Dispersion in the Metabolic Syndrome. International Heart Journal, 2010, 51, 41-46.	1.0	14
86	â€œHigh-intensity interval training may reduce in-stent restenosis following percutaneous coronary intervention with stent implantation: A randomized controlled trial evaluating the relationship to endothelial function and inflammation.â€•Am Heart J 2009;158:734-41. American Heart Journal, 2010, 159, e21.	2.7	2
87	Exposure to extreme cold lowers the ischemic threshold in coronary artery disease patients. Canadian Journal of Cardiology, 2010, 26, e50-e53.	1.7	21
88	Cardiopulmonary exercise data during quadriceps isometric contraction sustained to fatigue in children with cerebral palsy. Isokinetics and Exercise Science, 2009, 17, 27-33.	0.4	5
89	Effects of exercise training modality on skeletal muscle fatigue in men with coronary heart disease. Journal of Electromyography and Kinesiology, 2009, 19, e32-e39.	1.7	26
90	Usefulness of Self-Reported Leisure-Time Physical Activity to Predict Long-Term Survival in Patients With Coronary Heart Disease. American Journal of Cardiology, 2008, 102, 375-379.	1.6	60

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91	Long-term cardiac rehabilitation and exercise training programs improve metabolic parameters in metabolic syndrome patients with and without coronary heart disease. Nutrition, Metabolism and Cardiovascular Diseases, 2008, 18, 142-151.	2.6	41
92	Effects of Longâ€Term and Ongoing Cardiac Rehabilitation in Elderly Patients With Coronary Heart Disease. The American Journal of Geriatric Cardiology, 2006, 15, 345-351.	0.6	12
93	Assessment of skeletal muscle fatigue in men with coronary artery disease using surface electromyography during isometric contraction of quadriceps muscles. Archives of Physical Medicine and Rehabilitation, 2005, 86, 210-215.	0.9	32
94	Cardiorespiratory requirements and reproducibility of the six-minute walk test in elderly patients with coronary artery disease 11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2004, 85, 1543-1548.	0.9	68
95	Cardiorespiratory fitness and functional capacity assessed by the 20-meter shuttle walking test in patients with coronary artery disease 11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit on the authors or on any organization with which the authors are associated.. Archives of Physical Medicine and Rehabilitation, 2003, 84, 1012-1016.	0.9	13
96	Aptitudes cardiorespiratoires et fonction musculaire pÃ©riphÃ©rique chez des patients coronariens. Science and Sports, 2003, 18, 150-157.	0.5	3