

Djordje G Jakovljevic

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95
papers

1,811
citations

23
h-index

40
g-index

101
ext. papers

2,255
ext. citations

4
avg, IF

4.77
L-index

#	Paper	IF	Citations
95	Validity and reliability of short-term heart-rate variability from the Polar S810. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 243-50	1.2	185
94	Exercise modalities and endothelial function: a systematic review and dose-response meta-analysis of randomized controlled trials. <i>Sports Medicine</i> , 2015 , 45, 279-96	10.6	137
93	High intensity intermittent exercise improves cardiac structure and function and reduces liver fat in patients with type 2 diabetes: a randomised controlled trial. <i>Diabetologia</i> , 2016 , 59, 56-66	10.3	108
92	Cardiac structure and function are altered in adults with non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2013 , 58, 757-62	13.4	99
91	Levels of agreement for RR intervals and short-term heart rate variability obtained from the Polar S810 and an alternative system. <i>European Journal of Applied Physiology</i> , 2008 , 103, 529-37	3.4	82
90	Effects of Community Exercise Therapy on Metabolic, Brain, Physical, and Cognitive Function Following Stroke: A Randomized Controlled Pilot Trial. <i>Neurorehabilitation and Neural Repair</i> , 2015 , 29, 623-35	4.7	74
89	Left Ventricular Assist Device as a Bridge to Recovery for Patients With Advanced Heart Failure. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 1924-1933	15.1	59
88	The impact of acute reduction of continuous-flow left ventricular assist device support on cardiac and exercise performance. <i>Heart</i> , 2010 , 96, 1390-5	5.1	54
87	Effect of left ventricular assist device implantation and heart transplantation on habitual physical activity and quality of life. <i>American Journal of Cardiology</i> , 2014 , 114, 88-93	3	51
86	Large pre- and postexercise rapid-acting insulin reductions preserve glycemia and prevent early- but not late-onset hypoglycemia in patients with type 1 diabetes. <i>Diabetes Care</i> , 2013 , 36, 2217-24	14.6	51
85	Bioimpedance and bioreactance methods for monitoring cardiac output. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2014 , 28, 381-94	4	48
84	Prevalence and risk factors for prolonged QT interval and QT dispersion in patients with type 2 diabetes. <i>Acta Diabetologica</i> , 2016 , 53, 737-44	3.9	48
83	Physical activity and cardiovascular aging: Physiological and molecular insights. <i>Experimental Gerontology</i> , 2018 , 109, 67-74	4.5	45
82	Comparison of cardiac output determined by different rebreathing methods at rest and at peak exercise. <i>European Journal of Applied Physiology</i> , 2008 , 102, 593-9	3.4	42
81	Loss of capacity to recover from acidosis on repeat exercise in chronic fatigue syndrome: a case-control study. <i>European Journal of Clinical Investigation</i> , 2012 , 42, 186-94	4.6	40
80	Comparison of cardiac power output and exercise performance in patients with left ventricular assist devices, explanted (recovered) patients, and those with moderate to severe heart failure. <i>American Journal of Cardiology</i> , 2010 , 105, 1780-5	3	35
79	Ultra short-term heart rate recovery after maximal exercise in continuous versus intermittent endurance athletes. <i>European Journal of Applied Physiology</i> , 2010 , 108, 1055-9	3.4	32

78	Comparison of cardiac output determined by bioimpedance and bioreactance methods at rest and during exercise. <i>Journal of Clinical Monitoring and Computing</i> , 2012 , 26, 63-8	2	30
77	Defining cardiac adaptations and safety of endurance training in patients with m.3243A>G-related mitochondrial disease. <i>International Journal of Cardiology</i> , 2013 , 168, 3599-608	3.2	29
76	Cardiac structure and function are altered in type 2 diabetes and non-alcoholic fatty liver disease and associate with glycemic control. <i>Cardiovascular Diabetology</i> , 2015 , 14, 23	8.7	28
75	Bioreactance is a reliable method for estimating cardiac output at rest and during exercise. <i>British Journal of Anaesthesia</i> , 2015 , 115, 386-91	5.4	27
74	The effect of age on the relationship between cardiac and vascular function. <i>Mechanisms of Ageing and Development</i> , 2016 , 153, 1-6	5.6	25
73	Heart rate recovery after submaximal exercise in four different recovery protocols in male athletes and non-athletes. <i>Journal of Sports Science and Medicine</i> , 2011 , 10, 369-75	2.7	24
72	Metabolic effects of bezafibrate in mitochondrial disease. <i>EMBO Molecular Medicine</i> , 2020 , 12, e11589	12	23
71	Influence of different breathing frequencies on the severity of inspiratory muscle fatigue induced by high-intensity front crawl swimming. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 1169-74 ^{3,2}	3.2	22
70	Heart rate variability before and after cycle exercise in relation to different body positions. <i>Journal of Sports Science and Medicine</i> , 2010 , 9, 176-82	2.7	21
69	Resistance exercise improves autonomic regulation at rest and haemodynamic response to exercise in non-alcoholic fatty liver disease. <i>Clinical Science</i> , 2013 , 125, 143-9	6.5	20
68	Concentric hypertrophic remodelling and subendocardial dysfunction in mitochondrial DNA point mutation carriers. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 650-8	4.1	20
67	Discrepancy between cardiac and physical functional reserves in stroke. <i>Stroke</i> , 2012 , 43, 1422-5	6.7	20
66	Relationship between peak cardiac pumping capability and selected exercise-derived prognostic indicators in patients treated with left ventricular assist devices. <i>European Journal of Heart Failure</i> , 2011 , 13, 992-9	12.3	18
65	Resting autonomic modulations and the heart rate response to exercise. <i>Clinical Autonomic Research</i> , 2010 , 20, 213-21	4.3	18
64	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	4	18
63	Effect of physical activity on age-related changes in cardiac function and performance in women. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	16
62	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	3	13
61	The effect of aerobic versus resistance exercise training on peak cardiac power output and physical functional capacity in patients with chronic heart failure. <i>International Journal of Cardiology</i> , 2010 , 145, 526-8	3.2	11

60	Reproducibility of cardiac power output and other cardiopulmonary exercise indices in patients with chronic heart failure. <i>Clinical Science</i> , 2012 , 122, 175-81	6.5	11
59	Insights into heart failure hospitalizations, management, and services during and beyond COVID-19. <i>ESC Heart Failure</i> , 2021 , 8, 175-182	3.7	11
58	Exercise Induces Peripheral Muscle But Not Cardiac Adaptations After Stroke: A Randomized Controlled Pilot Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016 , 97, 596-603	2.8	10
57	Cardiac power output and its response to exercise in athletes and non-athletes. <i>Clinical Physiology and Functional Imaging</i> , 2013 , 33, 201-5	2.4	10
56	Changes of functional status and volume of triceps brachii measured by magnetic resonance imaging after maximal resistance training. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 671-6	5.6	10
55	Application of bioreactance for cardiac output assessment during exercise in healthy individuals. <i>European Journal of Applied Physiology</i> , 2010 , 109, 945-51	3.4	10
54	Unsupervised high-intensity interval training improves glycaemic control but not cardiovascular autonomic function in type 2 diabetes patients: A randomised controlled trial. <i>Diabetes and Vascular Disease Research</i> , 2019 , 16, 69-76	3.3	10
53	Impact of age on the association between cardiac high-energy phosphate metabolism and cardiac power in women. <i>Heart</i> , 2018 , 104, 111-118	5.1	9
52	Morpho-functional response of the elbow extensor muscles to twelve-week self-perceived maximal resistance training. <i>Clinical Physiology and Functional Imaging</i> , 2010 , 30, 413-9	2.4	9
51	Genetic determinants of clinical phenotype in hypertrophic cardiomyopathy. <i>BMC Cardiovascular Disorders</i> , 2020 , 20, 516	2.3	8
50	Estimating minute ventilation and air pollution inhaled dose using heart rate, breath frequency, age, sex and forced vital capacity: A pooled-data analysis. <i>PLoS ONE</i> , 2019 , 14, e0218673	3.7	8
49	Discrete gait characteristics are associated with m.3243A>G and m.8344A>G variants of mitochondrial disease and its pathological consequences. <i>Journal of Neurology</i> , 2014 , 261, 73-82	5.5	8
48	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	2.4	7
47	NT-proBNP is a weak indicator of cardiac function and haemodynamic response to exercise in chronic heart failure. <i>ESC Heart Failure</i> , 2019 , 6, 449-454	3.7	6
46	Liver and muscle glycogen repletion using ¹³ C magnetic resonance spectroscopy following ingestion of maltodextrin, galactose, protein and amino acids. <i>British Journal of Nutrition</i> , 2013 , 110, 848-55	3.6	6
45	Lack of agreement between gas exchange variables measured by two metabolic systems. <i>Journal of Sports Science and Medicine</i> , 2008 , 7, 15-22	2.7	6
44	Age-related decline in cardiac autonomic function is not attenuated with increased physical activity. <i>Oncotarget</i> , 2016 , 7, 76390-76397	3.3	6
43	The effect of percutaneous coronary intervention on habitual physical activity in older patients. <i>BMC Cardiovascular Disorders</i> , 2016 , 16, 248	2.3	5

42	Relationship between bioelectance and magnetic resonance imaging stroke volumes. <i>British Journal of Anaesthesia</i> , 2016 , 117, 134-6	5.4	5
41	Cardiovascular autonomic control in patients undergoing left ventricular assist device (LVAD) support and pharmacologic therapy. <i>International Journal of Cardiology</i> , 2013 , 168, 4145-9	3.2	5
40	Acceptability, Feasibility and Preliminary Evaluation of a Novel, Personalised, Home-Based Physical Activity Intervention for Chronic Heart Failure (Active-at-Home-HF): a Pilot Study. <i>Sports Medicine - Open</i> , 2019 , 5, 45	6.1	5
39	Overcoming barriers to engagement and adherence to a home-based physical activity intervention for patients with heart failure: a qualitative focus group study. <i>BMJ Open</i> , 2020 , 10, e036382	3	5
38	A novel cardiac output response to stress test developed to improve diagnosis and monitoring of heart failure in primary care. <i>ESC Heart Failure</i> , 2018 , 5, 703-712	3.7	5
37	A machine learning-based risk stratification model for ventricular tachycardia and heart failure in hypertrophic cardiomyopathy. <i>Computers in Biology and Medicine</i> , 2021 , 135, 104648	7	5
36	Quantification of coronary artery disease using different modalities of cardiopulmonary exercise testing. <i>International Journal of Cardiology</i> , 2019 , 285, 11-13	3.2	4
35	Left Ventricular Filling Pressures Contribute to Exercise Limitation in Patients with Continuous Flow Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2020 , 66, 247-252	3.6	4
34	Design of the SILICOFM study: Effect of sacubitril/valsartan vs lifestyle intervention on functional capacity in patients with hypertrophic cardiomyopathy. <i>Clinical Cardiology</i> , 2020 , 43, 430-440	3.3	4
33	Preliminary Evaluation of Clinician Rated Outcome Measures in Mitochondrial Disease. <i>Journal of Neuromuscular Diseases</i> , 2015 , 2, 151-155	5	4
32	Neutrophil to Lymphocyte Ratio Is Related to Thrombotic Complications and Survival in Continuous Flow Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2020 , 66, 199-204	3.6	4
31	The role of exercise hemodynamics in assessing patients with chronic heart failure and left ventricular assist devices. <i>Expert Review of Medical Devices</i> , 2019 , 16, 891-898	3.5	3
30	Relationship between peak cardiac pumping capability and indices of cardio-respiratory fitness in healthy individuals. <i>Clinical Physiology and Functional Imaging</i> , 2012 , 32, 388-93	2.4	3
29	A computational pipeline for data augmentation towards the improvement of disease classification and risk stratification models: A case study in two clinical domains. <i>Computers in Biology and Medicine</i> , 2021 , 134, 104520	7	3
28	Assessing the feasibility and acceptability of Changing Health for the management of prediabetes: protocol for a pilot study of a digital behavioural intervention. <i>Pilot and Feasibility Studies</i> , 2019 , 5, 139	1.9	3
27	A systematic review of rehabilitation in chronic heart failure: evaluating the reporting of exercise interventions. <i>ESC Heart Failure</i> , 2021 , 8, 3458-3471	3.7	3
26	LVAD decommissioning for myocardial recovery: Long-term ventricular remodeling and adverse events. <i>Journal of Heart and Lung Transplantation</i> , 2021 , 40, 1560-1570	5.8	3
25	Cardiac Metabolic Limitations Contribute to Diminished Performance of the Heart in Aging. <i>Biophysical Journal</i> , 2019 , 117, 2295-2302	2.9	2

24	Disease Progression of Hypertrophic Cardiomyopathy: Modeling Using Machine Learning.. <i>JMIR Medical Informatics</i> , 2022 , 10, e30483	3.6	2
23	Interventions for promoting physical activity in people with neuromuscular disease. <i>The Cochrane Library</i> , 2021 , 5, CD013544	5.2	2
22	Reproducibility of Inert Gas Rebreathing Method to Estimate Cardiac Output at Rest and During Cardiopulmonary Exercise Stress Testing. <i>International Journal of Sports Medicine</i> , 2019 , 40, 125-132	3.6	2
21	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	3.9	2
20	Opportunities and challenges of a novel cardiac output response to stress (CORS) test to enhance diagnosis of heart failure in primary care: qualitative study. <i>BMJ Open</i> , 2019 , 9, e028122	3	1
19	Association between heart rate variability and haemodynamic response to exercise in chronic heart failure. <i>Scandinavian Cardiovascular Journal</i> , 2019 , 53, 77-82	2	1
18	Ventricular arrhythmias not meeting criteria for terminating cardiopulmonary exercise testing stratify prognosis and disease severity in heart failure of preserved, midrange, and reduced ejection fraction. <i>Clinical Cardiology</i> , 2020 , 43, 698-705	3.3	1
17	Ventriculoatrial synchrony induced heart failure. <i>Acta Clinica Belgica</i> , 2018 , 73, 439-443	1.8	1
16	Defining the importance of stress reduction in managing cardiovascular disease - the role of exercise.. <i>Progress in Cardiovascular Diseases</i> , 2022 ,	8.5	1
15	Markers of Right Ventricular Dysfunction Predict Maximal Exercise Capacity After Left Ventricular Assist Device Implantation. <i>ASAIO Journal</i> , 2021 , 67, 284-289	3.6	1
14	Adiposity predicts low cardiorespiratory fitness in individuals with metabolic diseases. <i>Diabetes Research and Clinical Practice</i> , 2018 , 146, 300-304	7.4	1
13	Dynamic right ventricular outflow tract obstruction caused by a large interventricular membranous septal aneurysm. <i>Netherlands Heart Journal</i> , 2018 , 26, 575-576	2.2	1
12	The alpha-melanocyte stimulating hormone is related to heart rate during exercise recovery. <i>Heliyon</i> , 2020 , 6, e05380	3.6	0
11	The effect of age on mechanisms of exercise tolerance: Reduced arteriovenous oxygen difference causes lower oxygen consumption in older people. <i>Experimental Gerontology</i> , 2021 , 149, 111340	4.5	0
10	Noninvasive Assessment of Cardiac Output in Advanced Heart Failure and Heart Transplant Candidates Using the Bioreactance Method. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 , 35, 1776-1781	2.1	0
9	Prognostic Value of Peak Oxygen Uptake in Patients Supported With Left Ventricular Assist Devices (PRO-VAD). <i>JACC: Heart Failure</i> , 2021 , 9, 758-767	7.9	0
8	Reply: Left Ventricle Assist Device Recovery Should Include Recovery of Ventilatory and Autonomic Nervous System Abnormalities. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 1538-1539	15.1	
7	Frequency and changes in trends of leading risk factors of coronary heart disease in women in the city of Novi Sad during a 20-year period. <i>Vojnosanitetski Pregled</i> , 2012 , 69, 163-167	0.1	

- 6 What are the Physiological Benefits of Increased Daily Number of Steps in Middle-Aged Women?. *American Journal of the Medical Sciences*, **2020**, 360, 591-595 2.2
- 5 Comparison of cardiac output estimates by echocardiography and bioreactance at rest and peak dobutamine stress test in heart failure patients with preserved ejection fraction. *Echocardiography*, **2020**, 37, 1603-1609 1.5
- 4 Exercise Hemodynamics to Evaluate the Breathless Patient: Defining the Normal Pulmonary Arterial Wedge Pressure. *Journal of Cardiac Failure*, **2019**, 25, 123-124 3.3
- 3 Cardiac function is not associated with glucose control in older women. *Experimental Gerontology*, **2019**, 116, 31-36 4.5
- 2 Validity of Hemodynamic Monitoring Using Inert Gas Rebreathing Method in Patients With Chronic Heart Failure and Those Implanted With a Left Ventricular Assist Device. *Journal of Cardiac Failure*, **2021**, 27, 414-418 3.3
- 1 The impact of total sleep deprivation upon supine and head up tilt hemodynamics using non-linear analysis in firefighters. *Biomedical Signal Processing and Control*, **2021**, 70, 102989 4.9