# Djordje G Jakovljevic

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 99 papers | 2,650 citations | 218662 26 h-index | 214788 47 g-index |
| 101 all docs | 101 docs citations | 101 times ranked | 4306 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Validity and Reliability of Short-Term Heart-Rate Variability from the Polar S810. Medicine and Science in Sports and Exercise, 2009, 41, 243-250. | 0.4 | 233 |
| 2 | Exercise Modalities and Endothelial Function: A Systematic Review and Doseâ€“Response Meta-Analysis of Randomized Controlled Trials. Sports Medicine, 2015, 45, 279-296. | 6.5 | 208 |
| 3 | 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. | 6.3 | 141 |
| 4 | Cardiac structure and function are altered in adults with non-alcoholic fatty liver disease. Journal of Hepatology, 2013, 58, 757-762. | 3.7 | 122 |
| 5 | Effects of Community Exercise Therapy on Metabolic, Brain, Physical, and Cognitive Function Following Stroke. Neurorehabilitation and Neural Repair, 2015, 29, 623-635. | 2.9 | 102 |
| 6 | Levels of agreement for RR intervals and short-term heart rate variability obtained from the Polar S810 and an alternative system. European Journal of Applied Physiology, 2008, 103, 529-537. | 2.5 | 101 |
| 7 | Left Ventricular Assist Device as a BridgeÂto Recovery for Patients With Advanced Heart Failure. Journal of the American College of Cardiology, 2017, 69, 1924-1933. | 2.8 | 96 |
| 8 | Physical activity and cardiovascular aging: Physiological and molecular insights. Experimental Gerontology, 2018, 109, 67-74. | 2.8 | 94 |
| 9 | Large Pre- and Postexercise Rapid-Acting Insulin Reductions Preserve Glycemia and Prevent Early- but Not Late-Onset Hypoglycemia in Patients With Type 1 Diabetes. Diabetes Care, 2013, 36, 2217-2224. | 8.6 | 66 |
| 10 | 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. | 1.6 | 65 |
| 11 | Prevalence and risk factors for prolonged QT interval and QT dispersion in patients with type 2 diabetes. Acta Diabetologica, 2016, 53, 737-744. | 2.5 | 63 |
| 12 | The impact of acute reduction of continuous-flow left ventricular assist device support on cardiac and exercise performance. Heart, 2010, 96, 1390-1395. | 2.9 | 60 |
| 13 | Bioimpedance and bioreactance methods for monitoring cardiac output. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2014, 28, 381-394. | 4.0 | 56 |
| 14 | Loss of capacity to recover from acidosis on repeat exercise in chronic fatigue syndrome: a caseâ€“control study. European Journal of Clinical Investigation, 2012, 42, 186-194. | 3.4 | 52 |
| 15 | Comparison of cardiac output determined by different rebreathing methods at rest and at peak exercise. European Journal of Applied Physiology, 2008, 102, 593-599. | 2.5 | 45 |
| 16 | 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. American Journal of Cardiology, 2010, 105, 1780-1785. | 1.6 | 45 |
| 17 | Metabolic effects of bezafibrate in mitochondrial disease. EMBO Molecular Medicine, 2020, 12, e11589. | 6.9 | 45 |
| 18 | Defining cardiac adaptations and safety of endurance training in patients with m.3243A>G-related mitochondrial disease. International Journal of Cardiology, 2013, 168, 3599-3608. | 1.7 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Cardiac structure and function are altered in type 2 diabetes and Non-alcoholic fatty liver disease and associate with glycemic control. Cardiovascular Diabetology, 2015, 14, 23. | 6.8 | 37 |
| 20 | Ultra short-term heart rate recovery after maximal exercise in continuous versus intermittent endurance athletes. European Journal of Applied Physiology, 2010, 108, 1055-1059. | 2.5 | 36 |
| 21 | The effect of age on the relationship between cardiac and vascular function. Mechanisms of Ageing and Development, 2016, 153, 1-6. | 4.6 | 35 |
| 22 | Bioreactance is a reliable method for estimating cardiac output at rest and during exercise. British Journal of Anaesthesia, 2015, 115, 386-391. | 3.4 | 33 |
| 23 | Genetic determinants of clinical phenotype in hypertrophic cardiomyopathy. BMC Cardiovascular Disorders, 2020, 20, 516. | 1.7 | 33 |
| 24 | Comparison of cardiac output determined by bioimpedance and bioreactance methods at rest and during exercise. Journal of Clinical Monitoring and Computing, 2012, 26, 63-68. | 1.6 | 31 |
| 25 | Concentric hypertrophic remodelling and subendocardial dysfunction in mitochondrial DNA point mutation carriersâ€. European Heart Journal Cardiovascular Imaging, 2013, 14, 650-658. | 1.2 | 30 |
| 26 | Heart rate variability before and after cycle exercise in relation to different body positions. Journal of Sports Science and Medicine, 2010, 9, 176-82. | 1.6 | 28 |
| 27 | Effect of Physical Activity on Age-Related Changes in Cardiac Function and Performance in Women. Circulation: Cardiovascular Imaging, 2015, 8, . | 2.6 | 27 |
| 28 | A machine learning-based risk stratification model for ventricular tachycardia and heart failure in hypertrophic cardiomyopathy. Computers in Biology and Medicine, 2021, 135, 104648. | 7.0 | 27 |
| 29 | Influence of Different Breathing Frequencies on the Severity of Inspiratory Muscle Fatigue Induced by High-Intensity Front Crawl Swimming. Journal of Strength and Conditioning Research, 2009, 23, 1169-1174. | 2.1 | 26 |
| 30 | Unsupervised high-intensity interval training improves glycaemic control but not cardiovascular autonomic function in type 2 diabetes patients: A randomised controlled trial. Diabetes and Vascular Disease Research, 2019, 16, 69-76. | 2.0 | 26 |
| 31 | Heart rate recovery after submaximal exercise in four different recovery protocols in male athletes and non-athletes. Journal of Sports Science and Medicine, 2011, 10, 369-75. | 1.6 | 26 |
| 32 | Dietary nitrate does not affect physical activity or outcomes in healthy older adults in a randomized, cross-over trial. Nutrition Research, 2016, 36, 1361-1369. | 2.9 | 25 |
| 33 | Discrepancy Between Cardiac and Physical Functional Reserves in Stroke. Stroke, 2012, 43, 1422-1425. | 2.0 | 24 |
| 34 | Resting autonomic modulations and the heart rate response to exercise. Clinical Autonomic Research, 2010, 20, 213-221. | 2.5 | 23 |
| 35 | Relationship between peak cardiac pumping capability and selected exerciseâ€derived prognostic indicators in patients treated with left ventricular assist devices. European Journal of Heart Failure, 2011, 13, 992-999. | 7.1 | 23 |
| 36 | Resistance exercise improves autonomic regulation at rest and haemodynamic response to exercise in non-alcoholic fatty liver disease. Clinical Science, 2013, 125, 143-149. | 4.3 | 23 |

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|---|---|---|---|
| 37 | Overcoming barriers to engagement and adherence to a home-based physical activity intervention for patients with heart failure: a qualitative focus group study. BMJ Open, 2020, 10, e036382. | 1.9 | 22 |
| 38 | Insights into heart failure hospitalizations, management, and services during and beyond COVIDâ€19. ESC Heart Failure, 2021, 8, 175-182. | 3.1 | 22 |
| 39 | Defining the importance of stress reduction in managing cardiovascular disease - the role of exercise. Progress in Cardiovascular Diseases, 2022, 70, 84-93. | 3.1 | 21 |
| 40 | Prognostic Value of Peak Oxygen Uptake in Patients Supported With Left Ventricular Assist Devices (PRO-VAD). JACC: Heart Failure, 2021, 9, 758-767. | 4.1 | 20 |
| 41 | Pathophysiology of exercise intolerance in chronic diseases: the role of diminished cardiac performance in mitochondrial and heart failure patients. Open Heart, 2017, 4, e000632. | 2.3 | 19 |
| 42 | Cardiac power output and its response to exercise in athletes and nonâ€athletes. Clinical Physiology and Functional Imaging, 2013, 33, 201-205. | 1.2 | 17 |
| 43 | Estimating minute ventilation and air pollution inhaled dose using heart rate, breath frequency, age, sex and forced vital capacity: A pooled-data analysis. PLoS ONE, 2019, 14, e0218673. | 2.5 | 17 |
| 44 | The effect of aerobic versus resistance exercise training on peak cardiac power output and physical functional capacity in patients with chronic heart failure. International Journal of Cardiology, 2010, 145, 526-528. | 1.7 | 16 |
| 45 | Reproducibility of cardiac power output and other cardiopulmonary exercise indices in patients with chronic heart failure. Clinical Science, 2012, 122, 175-181. | 4.3 | 15 |
| 46 | Impact of age on the association between cardiac high-energy phosphate metabolism and cardiac power in women. Heart, 2018, 104, 111-118. | 2.9 | 15 |
| 47 | Design of the SILICOFCM study: Effect of sacubitril/valsartan vs lifestyle intervention on functional capacity in patients with hypertrophic cardiomyopathy. Clinical Cardiology, 2020, 43, 430-440. | 1.8 | 15 |
| 48 | A systematic review of rehabilitation in chronic heart failure: evaluating the reporting of exercise interventions. ESC Heart Failure, 2021, 8, 3458-3471. | 3.1 | 15 |
| 49 | The effect of percutaneous coronary intervention on habitual physical activity in older patients. BMC Cardiovascular Disorders, 2016, 16, 248. | 1.7 | 14 |
| 50 | LVAD decommissioning for myocardial recovery: Long-term ventricular remodeling and adverse events. Journal of Heart and Lung Transplantation, 2021, 40, 1560-1570. | 0.6 | 13 |
| 51 | 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. | 0.9 | 12 |
| 52 | Changes of functional status and volume of triceps brachii measured by magnetic resonance imaging after maximal resistance training. Journal of Magnetic Resonance Imaging, 2009, 29, 671-676. | 3.4 | 11 |
| 53 | Discrete gait characteristics are associated with m.3243A>G and m.8344A>G variants of mitochondrial disease and its pathological consequences. Journal of Neurology, 2014, 261, 73-82. | 3.6 | 11 |
| 54 | Comparison of cardiac output estimates by bioreactance and inert gas rebreathing methods during cardiopulmonary exercise testing. Clinical Physiology and Functional Imaging, 2018, 38, 483-490. | 1.2 | 11 |

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|---|---|---|---|
| 55 | A novel cardiac output response to stress test developed to improve diagnosis and monitoring of heart failure in primary care. ESC Heart Failure, 2018, 5, 703-712. | 3.1 | 11 |
| 56 | Quantification of coronary artery disease using different modalities of cardiopulmonary exercise testing. International Journal of Cardiology, 2019, 285, 11-13. | 1.7 | 11 |
| 57 | 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. Sports Medicine - Open, 2019, 5, 45. | 3.1 | 11 |
| 58 | Application of bioreactance for cardiac output assessment during exercise in healthy individuals. European Journal of Applied Physiology, 2010, 109, 945-951. | 2.5 | 10 |
| 59 | A computational pipeline for data augmentation towards the improvement of disease classification and risk stratification models: A case study in two clinical domains. Computers in Biology and Medicine, 2021, 134, 104520. | 7.0 | 10 |
| 60 | Gender Related Differences in the Clinical Presentation of Hypertrophic Cardiomyopathyâ€”An Analysis from the SILICOFCM Database. Medicina (Lithuania), 2022, 58, 314. | 2.0 | 10 |
| 61 | Morphoâ€functional response of the elbow extensor muscles to twelveâ€week selfâ€perceived maximal resistance training. Clinical Physiology and Functional Imaging, 2010, 30, 413-419. | 1.2 | 9 |
| 62 | High intensity interval training protects the heart during increased metabolic demand in patients with type 2 diabetes: a randomised controlled trial. Acta Diabetologica, 2019, 56, 321-329. | 2.5 | 9 |
| 63 | Preliminary Evaluation of Clinician Rated Outcome Measures in Mitochondrial Disease. Journal of Neuromuscular Diseases, 2015, 2, 151-155. | 2.6 | 8 |
| 64 | NTâ€proBNP is a weak indicator of cardiac function and haemodynamic response to exercise in chronic heart failure. ESC Heart Failure, 2019, 6, 449-454. | 3.1 | 8 |
| 65 | Assessing the feasibility and acceptability of Changing Health for the management of prediabetes: protocol for a pilot study of a digital behavioural intervention. Pilot and Feasibility Studies, 2019, 5, 139. | 1.2 | 8 |
| 66 | Neutrophil to Lymphocyte Ratio Is Related to Thrombotic Complications and Survival in Continuous Flow Left Ventricular Assist Devices. ASAIO Journal, 2020, 66, 199-204. | 1.6 | 8 |
| 67 | Liver and muscle glycogen repletion using‹sup›13‹/sup›C magnetic resonance spectroscopy following ingestion of maltodextrin, galactose, protein and amino acids. British Journal of Nutrition, 2013, 110, 848-855. | 2.3 | 7 |
| 68 | Age-related decline in cardiac autonomic function is not attenuated with increased physical activity. Oncotarget, 2016, 7, 76390-76397. | 1.8 | 7 |
| 69 | Cardiac Metabolic Limitations Contribute to Diminished Performance of the Heart in Aging. Biophysical Journal, 2019, 117, 2295-2302. | 0.5 | 7 |
| 70 | Interventions for promoting physical activity in people with neuromuscular disease. The Cochrane Library, 2021, 2021, CD013544. | 2.8 | 7 |
| 71 | Lack of agreement between gas exchange variables measured by two metabolic systems. Journal of Sports Science and Medicine, 2008, 7, 15-22. | 1.6 | 7 |
| 72 | Cardiovascular autonomic control in patients undergoing left ventricular assist device (LVAD) support and pharmacologic therapy. International Journal of Cardiology, 2013, 168, 4145-4149. | 1.7 | 6 |

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|---|---|---|---|
| 73 | Relationship between bioreactance and magnetic resonance imaging stroke volumes. British Journal of Anaesthesia, 2016, 117, 134-136. | 3.4 | 6 |
| 74 | Left Ventricular Filling Pressures Contribute to Exercise Limitation in Patients with Continuous Flow Left Ventricular Assist Devices. ASAIO Journal, 2020, 66, 247-252. | 1.6 | 6 |
| 75 | Reproducibility of Inert Gas Rebreathing Method to Estimate Cardiac Output at Rest and During Cardiopulmonary Exercise Stress Testing. International Journal of Sports Medicine, 2019, 40, 125-132. | 1.7 | 5 |
| 76 | The effect of age on mechanisms of exercise tolerance: Reduced arteriovenous oxygen difference causes lower oxygen consumption in older people. Experimental Gerontology, 2021, 149, 111340. | 2.8 | 5 |
| 77 | Disease Progression of Hypertrophic Cardiomyopathy: Modeling Using Machine Learning. JMIR Medical Informatics, 2022, 10, e30483. | 2.6 | 5 |
| 78 | Relationship between peak cardiac pumping capability and indices of cardioâ€respiratory fitness in healthy individuals. Clinical Physiology and Functional Imaging, 2012, 32, 388-393. | 1.2 | 4 |
| 79 | The role of exercise hemodynamics in assessing patients with chronic heart failure and left ventricular assist devices. Expert Review of Medical Devices, 2019, 16, 891-898. | 2.8 | 4 |
| 80 | Association between heart rate variability and haemodynamic response to exercise in chronic heart failure. Scandinavian Cardiovascular Journal, 2019, 53, 77-82. | 1.2 | 4 |
| 81 | Markers of Right Ventricular Dysfunction Predict Maximal Exercise Capacity After Left Ventricular Assist Device Implantation. ASAIO Journal, 2021, 67, 284-289. | 1.6 | 4 |
| 82 | Adiposity predicts low cardiorespiratory fitness in individuals with metabolic diseases. Diabetes Research and Clinical Practice, 2018, 146, 300-304. | 2.8 | 3 |
| 83 | Opportunities and challenges of a novel cardiac output response to stress (CORS) test to enhance diagnosis of heart failure in primary care: qualitative study. BMJ Open, 2019, 9, e028122. | 1.9 | 3 |
| 84 | Peak atrio-ventricular mechanics predicts exercise tolerance in heart failure patients. International Journal of Cardiology, 2022, 359, 84-90. | 1.7 | 3 |
| 85 | Ventriculoatrial synchrony induced heart failure. Acta Clinica Belgica, 2018, 73, 439-443. | 1.2 | 2 |
| 86 | Dynamic right ventricular outflow tract obstruction caused by aÂlarge interventricular membranous septal aneurysm. Netherlands Heart Journal, 2018, 26, 575-576. | 0.8 | 2 |
| 87 | The alpha-melanocyte stimulating hormone is related to heart rate during exercise recovery. Heliyon, 2020, 6, e05380. | 3.2 | 1 |
| 88 | 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. Clinical Cardiology, 2020, 43, 698-705. | 1.8 | 1 |
| 89 | Noninvasive Assessment of Cardiac Output in Advanced Heart Failure and Heart Transplant Candidates Using the Bioreactance Method. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 1776-1781. | 1.3 | 1 |
| 90 | Feasibility of the cardiac output response to stress test in suspected heart failure patients. Family Practice, 2022, , . | 1.9 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | 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. Vojnosanitetski Pregled, 2012, 69, 163-167. | 0.2 | 0 |
| 92 | Response to Letter Regarding Article, â€œDiscrepancy Between Cardiac and Physical Functional Reserves in Strokeâ€• Stroke, 2012, 43, . | 2.0 | 0 |
| 93 | Reply. Journal of the American College of Cardiology, 2017, 70, 1538-1539. | 2.8 | 0 |
| 94 | Exercise Hemodynamics to Evaluate the Breathless Patient: Defining the Normal Pulmonary Arterial Wedge Pressure. Journal of Cardiac Failure, 2019, 25, 123-124. | 1.7 | 0 |
| 95 | Cardiac function is not associated with glucose control in older women. Experimental Gerontology, 2019, 116, 31-36. | 2.8 | 0 |
| 96 | 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. | 1.1 | 0 |
| 97 | 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. | 0.9 | 0 |
| 98 | 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. | 1.7 | 0 |
| 99 | 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. | 5.7 | 0 |