# Djordje G Jakovljevic

## List of Publications by Year in Descending Order



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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 | Disease Progression of Hypertrophic Cardiomyopathy: Modeling Using Machine Learning.. *JMIR Medical Informatics*, **2022**, 10, e30483 | 3.6 | 2 |
| 94 | Defining the importance of stress reduction in managing cardiovascular disease - the role of exercise.. *Progress in Cardiovascular Diseases*, **2022**, | 8.5 | 1 |
| 93 | Markers of Right Ventricular Dysfunction Predict Maximal Exercise Capacity After Left Ventricular Assist Device Implantation. *ASAIO Journal*, **2021**, 67, 284-289 | 3.6 | 1 |
| 92 | Interventions for promoting physical activity in people with neuromuscular disease. *The Cochrane Library*, **2021**, 5, CD013544 | 5.2 | 2 |
| 91 | 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 | 4.5 | 0 |
| 90 | 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 | 3 |
| 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 | 2.1 | 0 |
| 88 | Insights into heart failure hospitalizations, management, and services during and beyond COVID-19. *ESC Heart Failure*, **2021**, 8, 175-182 | 3.7 | 11 |
| 87 | 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 | |
| 86 | A systematic review of rehabilitation in chronic heart failure: evaluating the reporting of exercise interventions. *ESC Heart Failure*, **2021**, 8, 3458-3471 | 3.7 | 3 |
| 85 | LVAD decommissioning for myocardial recovery: Long-term ventricular remodeling and adverse events. *Journal of Heart and Lung Transplantation*, **2021**, 40, 1560-1570 | 5.8 | 3 |
| 84 | 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 | 5 |
| 83 | 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 | |
| 82 | Prognostic Value of Peak Oxygen Uptake in Patients Supported With Left Ventricular Assist Devices (PRO-VAD). *JACC: Heart Failure*, **2021**, 9, 758-767 | 7.9 | 0 |
| 81 | Genetic determinants of clinical phenotype in hypertrophic cardiomyopathy. *BMC Cardiovascular Disorders*, **2020**, 20, 516 | 2.3 | 8 |
| 80 | Left Ventricular Filling Pressures Contribute to Exercise Limitation in Patients with Continuous Flow Left Ventricular Assist Devices. *ASAIO Journal*, **2020**, 66, 247-252 | 3.6 | 4 |
| 79 | Metabolic effects of bezafibrate in mitochondrial disease. *EMBO Molecular Medicine*, **2020**, 12, e11589 | 12 | 23 |

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| 78 | 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 | 3.3 | 4 |
| 77 | 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 | 3.3 | 1 |
| 76 | Neutrophil to Lymphocyte Ratio Is Related to Thrombotic Complications and Survival in Continuous Flow Left Ventricular Assist Devices. *ASAIO Journal*, **2020**, 66, 199-204 | 3.6 | 4 |
| 75 | The alpha-melanocyte stimulating hormone is related to heart rate during exercise recovery. *Heliyon*, **2020**, 6, e05380 | 3.6 | 0 |
| 74 | 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 | 3 | 5 |
| 73 | 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 | |
| 72 | 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 | |
| 71 | 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 | 3.5 | 3 |
| 70 | 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 | 3 | 1 |
| 69 | Association between heart rate variability and haemodynamic response to exercise in chronic heart failure. *Scandinavian Cardiovascular Journal*, **2019**, 53, 77-82 | 2 | 1 |
| 68 | NT-proBNP is a weak indicator of cardiac function and haemodynamic response to exercise in chronic heart failure. *ESC Heart Failure*, **2019**, 6, 449-454 | 3.7 | 6 |
| 67 | Quantification of coronary artery disease using different modalities of cardiopulmonary exercise testing. *International Journal of Cardiology*, **2019**, 285, 11-13 | 3.2 | 4 |
| 66 | 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 | 3.7 | 8 |
| 65 | Cardiac Metabolic Limitations Contribute to Diminished Performance of the Heart in Aging. *Biophysical Journal*, **2019**, 117, 2295-2302 | 2.9 | 2 |
| 64 | 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 | 6.1 | 5 |
| 63 | Exercise Hemodynamics to Evaluate the Breathless Patient: Defining the Normal Pulmonary Arterial Wedge Pressure. *Journal of Cardiac Failure*, **2019**, 25, 123-124 | 3.3 | |
| 62 | 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 | 1.9 | 3 |
| 61 | Cardiac function is not associated with glucose control in older women. *Experimental Gerontology*, **2019**, 116, 31-36 | 4.5 | |

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| 60 | 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 | 3.3 | 10 |
| 59 | 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 | 3.6 | 2 |
| 58 | 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 | 3.9 | 2 |
| 57 | Ventriculoatrial synchrony induced heart failure. *Acta Clinica Belgica*, **2018**, 73, 439-443 | 1.8 | 1 |
| 56 | Impact of age on the association between cardiac high-energy phosphate metabolism and cardiac power in women. *Heart*, **2018**, 104, 111-118 | 5.1 | 9 |
| 55 | 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 | 2.4 | 7 |
| 54 | Physical activity and cardiovascular aging: Physiological and molecular insights. *Experimental Gerontology*, **2018**, 109, 67-74 | 4.5 | 45 |
| 53 | Adiposity predicts low cardiorespiratory fitness in individuals with metabolic diseases. *Diabetes Research and Clinical Practice*, **2018**, 146, 300-304 | 7.4 | 1 |
| 52 | Dynamic right ventricular outflow tract obstruction caused by a large interventricular membranous septal aneurysm. *Netherlands Heart Journal*, **2018**, 26, 575-576 | 2.2 | 1 |
| 51 | 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 | 3.7 | 5 |
| 50 | Left Ventricular Assist Device as a Bridge to Recovery for Patients With Advanced Heart Failure. *Journal of the American College of Cardiology*, **2017**, 69, 1924-1933 | 15.1 | 59 |
| 49 | Reply: Left Ventricle Assist Device Recovery Should Include Recovery of Ventilatory and Autonomic Nervous System Abnormalities. *Journal of the American College of Cardiology*, **2017**, 70, 1538-1539 | 15.1 | |
| 48 | Pathophysiology of exercise intolerance in chronic diseases: the role of diminished cardiac performance in mitochondrial and heart failure patients. *Open Heart*, **2017**, 4, e000632 | 3 | 13 |
| 47 | 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 | 10.3 | 108 |
| 46 | The effect of percutaneous coronary intervention on habitual physical activity in older patients. *BMC Cardiovascular Disorders*, **2016**, 16, 248 | 2.3 | 5 |
| 45 | The effect of age on the relationship between cardiac and vascular function. *Mechanisms of Ageing and Development*, **2016**, 153, 1-6 | 5.6 | 25 |
| 44 | Relationship between bioreactance and magnetic resonance imaging stroke volumes. *British Journal of Anaesthesia*, **2016**, 117, 134-6 | 5.4 | 5 |
| 43 | 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 | 2.8 | 10 |

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| 42 | Age-related decline in cardiac autonomic function is not attenuated with increased physical activity. *Oncotarget*, **2016**, 7, 76390-76397 | 3.3 | 6 |
| 41 | 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 | 4 | 18 |
| 40 | Prevalence and risk factors for prolonged QT interval and QT dispersion in patients with type 2 diabetes. *Acta Diabetologica*, **2016**, 53, 737-44 | 3.9 | 48 |
| 39 | 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 | 8.7 | 28 |
| 38 | Bioreactance is a reliable method for estimating cardiac output at rest and during exercise. *British Journal of Anaesthesia*, **2015**, 115, 386-91 | 5.4 | 27 |
| 37 | Effect of physical activity on age-related changes in cardiac function and performance in women. *Circulation: Cardiovascular Imaging*, **2015**, 8, | 3.9 | 16 |
| 36 | Effects of Community Exercise Therapy on Metabolic, Brain, Physical, and Cognitive Function Following Stroke: A Randomized Controlled Pilot Trial. *Neurorehabilitation and Neural Repair*, **2015**, 29, 623-35 | 4.7 | 74 |
| 35 | Exercise modalities and endothelial function: a systematic review and dose-response meta-analysis of randomized controlled trials. *Sports Medicine*, **2015**, 45, 279-96 | 10.6 | 137 |
| 34 | Preliminary Evaluation of Clinician Rated Outcome Measures in Mitochondrial Disease. *Journal of Neuromuscular Diseases*, **2015**, 2, 151-155 | 5 | 4 |
| 33 | 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 | 3 | 51 |
| 32 | Bioimpedance and bioreactance methods for monitoring cardiac output. *Baillieres Best Practice and Research in Clinical Anaesthesiology*, **2014**, 28, 381-94 | 4 | 48 |
| 31 | 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 | 5.5 | 8 |
| 30 | Cardiac power output and its response to exercise in athletes and non-athletes. *Clinical Physiology and Functional Imaging*, **2013**, 33, 201-5 | 2.4 | 10 |
| 29 | 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, 2217-24 | 14.6 | 51 |
| 28 | Cardiovascular autonomic control in patients undergoing left ventricular assist device (LVAD) support and pharmacologic therapy. *International Journal of Cardiology*, **2013**, 168, 4145-9 | 3.2 | 5 |
| 27 | Cardiac structure and function are altered in adults with non-alcoholic fatty liver disease. *Journal of Hepatology*, **2013**, 58, 757-62 | 13.4 | 99 |
| 26 | Defining cardiac adaptations and safety of endurance training in patients with m.3243A>G-related mitochondrial disease. *International Journal of Cardiology*, **2013**, 168, 3599-608 | 3.2 | 29 |
| 25 | Resistance exercise improves autonomic regulation at rest and haemodynamic response to exercise in non-alcoholic fatty liver disease. *Clinical Science*, **2013**, 125, 143-9 | 6.5 | 20 |

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| 24 | Liver and muscle glycogen repletion using 13C magnetic resonance spectroscopy following ingestion of maltodextrin, galactose, protein and amino acids. *British Journal of Nutrition*, **2013**, 110, 848-55 | 3.6 | 6 |
| 23 | Concentric hypertrophic remodelling and subendocardial dysfunction in mitochondrial DNA point mutation carriers. *European Heart Journal Cardiovascular Imaging*, **2013**, 14, 650-8 | 4.1 | 20 |
| 22 | Relationship between peak cardiac pumping capability and indices of cardio-respiratory fitness in healthy individuals. *Clinical Physiology and Functional Imaging*, **2012**, 32, 388-93 | 2.4 | 3 |
| 21 | Comparison of cardiac output determined by bioimpedance and bioreactance methods at rest and during exercise. *Journal of Clinical Monitoring and Computing*, **2012**, 26, 63-8 | 2 | 30 |
| 20 | Loss of capacity to recover from acidosis on repeat exercise in chronic fatigue syndrome: a case-control study. *European Journal of Clinical Investigation*, **2012**, 42, 186-94 | 4.6 | 40 |
| 19 | 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 | 0.1 | |
| 18 | Reproducibility of cardiac power output and other cardiopulmonary exercise indices in patients with chronic heart failure. *Clinical Science*, **2012**, 122, 175-81 | 6.5 | 11 |
| 17 | Discrepancy between cardiac and physical functional reserves in stroke. *Stroke*, **2012**, 43, 1422-5 | 6.7 | 20 |
| 16 | Relationship between peak cardiac pumping capability and selected exercise-derived prognostic indicators in patients treated with left ventricular assist devices. *European Journal of Heart Failure*, **2011**, 13, 992-9 | 12.3 | 18 |
| 15 | 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 | 2.7 | 24 |
| 14 | Morpho-functional response of the elbow extensor muscles to twelve-week self-perceived maximal resistance training. *Clinical Physiology and Functional Imaging*, **2010**, 30, 413-9 | 2.4 | 9 |
| 13 | The impact of acute reduction of continuous-flow left ventricular assist device support on cardiac and exercise performance. *Heart*, **2010**, 96, 1390-5 | 5.1 | 54 |
| 12 | 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, 526-8 | 3.2 | 11 |
| 11 | Ultra short-term heart rate recovery after maximal exercise in continuous versus intermittent endurance athletes. *European Journal of Applied Physiology*, **2010**, 108, 1055-9 | 3.4 | 32 |
| 10 | Application of bioreactance for cardiac output assessment during exercise in healthy individuals. *European Journal of Applied Physiology*, **2010**, 109, 945-51 | 3.4 | 10 |
| 9 | Resting autonomic modulations and the heart rate response to exercise. *Clinical Autonomic Research*, **2010**, 20, 213-21 | 4.3 | 18 |
| 8 | 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, 1780-5 | 3 | 35 |
| 7 | Heart rate variability before and after cycle exercise in relation to different body positions. *Journal of Sports Science and Medicine*, **2010**, 9, 176-82 | 2.7 | 21 |

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| 6 | 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, 671-6 | 5.6 | 10 |
| 5 | Validity and reliability of short-term heart-rate variability from the Polar S810. *Medicine and Science in Sports and Exercise*, **2009**, 41, 243-50 | 1.2 | 185 |
| 4 | 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, 1169-74 | 3.2 | 22 |
| 3 | Comparison of cardiac output determined by different rebreathing methods at rest and at peak exercise. *European Journal of Applied Physiology*, **2008**, 102, 593-9 | 3.4 | 42 |
| 2 | 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, 529-37 | 3.4 | 82 |
| 1 | Lack of agreement between gas exchange variables measured by two metabolic systems. *Journal of Sports Science and Medicine*, **2008**, 7, 15-22 | 2.7 | 6 |