

# Jose A Adams

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

1,421  
citations

304743

22  
h-index

395702

33  
g-index

77  
all docs

77  
docs citations

77  
times ranked

762  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Endothelium and cardiopulmonary resuscitation. <i>Critical Care Medicine</i> , 2006, 34, S458-S465.   | 0.9 | 75        |
| 2  | Tidal Volume Measurements in Newborns Using Respiratory Inductive Plethysmography. <i>The American Review of Respiratory Disease</i> , 1993, 148, 585-588.  | 2.9 | 70        |
| 3  | Nitric Oxide Is Released Into Circulation With Whole-Body, Periodic Acceleration * Dr. Sackner is Chief Executive Officer and Chairman Board of Directors, Non-Invasive Monitoring Systems, Inc., and owns approximately 37% of Non-Invasive Monitoring Systems, Inc. shares. He is also a member of the Board of Directors, Vivometrics, Inc., Ventura CA. Ms. Gummels owns approximately 0.2% of Non-Invasive Monitoring Systems shares. Dr. Adams is a member of the Scientific Advisory Board and owns approximately 0.1% o. <i>Chest</i> , 2005, 127, 30-39. | 0.8 | 66        |
| 4  | Regional blood flow during periodic acceleration. <i>Critical Care Medicine</i> , 2001, 29, 1983-1988.  | 0.9 | 59        |
| 5  | Different roles of nitric oxide synthase isoforms in cardiopulmonary resuscitation in pigs. <i>Resuscitation</i> , 2007, 73, 144-153.   | 3.0 | 54        |
| 6  | Comparison of supine and prone noninvasive measurements of breathing patterns in fullterm newborns. <i>Pediatric Pulmonology</i> , 1994, 18, 8-12.  | 2.0 | 53        |
| 7  | Periodic acceleration: effects on vasoactive, fibrinolytic, and coagulation factors. <i>Journal of Applied Physiology</i> , 2005, 98, 1083-1090.  | 2.5 | 51        |
| 8  | Hemodynamic effects of periodic G<sub>z</sub> acceleration in meconium aspiration in pigs. <i>Journal of Applied Physiology</i> , 2000, 89, 2447-2452.  | 2.5 | 38        |
| 9  | Effects of Periodic Body Acceleration on the In Vivo Vasoactive Response to N-w-nitroâ€”L-arginine and the In Vitro Nitric Oxide Production. <i>Annals of Biomedical Engineering</i> , 2003, 31, 1337-1346.   | 2.5 | 38        |
| 10 | Age-dependent changes in diastolic Ca <sup>2+</sup> and Na <sup>+</sup> concentrations in dystrophic cardiomyopathy: Role of Ca <sup>2+</sup> entry and IP <sub>3</sub> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 1054-1059.  | 2.1 | 38        |
| 11 | Noninvasive motion ventilation (NIMV): a novel approach to ventilatory support. <i>Journal of Applied Physiology</i> , 2000, 89, 2438-2446.   | 2.5 | 36        |
| 12 | Effect of Moderate-Intensity Exercise, Whole-Body Periodic Acceleration, and Passive Cycling on Nitric Oxide Release Into Circulation. <i>Chest</i> , 2005, 128, 2794-2803.   | 0.8 | 34        |
| 13 | Low-amplitude pulses to the circulation through periodic acceleration induces endothelial-dependent vasodilatation. <i>Journal of Applied Physiology</i> , 2009, 106, 1840-1847.  | 2.5 | 31        |
| 14 | Nitric oxide synthase isoform inhibition before whole body ischemia reperfusion in pigs: Vital or protective?. <i>Resuscitation</i> , 2007, 74, 516-525.  | 3.0 | 30        |
| 15 | Say NO to fibromyalgia and chronic fatigue syndrome: an alternative and complementary therapy to aerobic exercise. <i>Medical Hypotheses</i> , 2004, 63, 118-123.   | 1.5 | 28        |
| 16 | In vivo upregulation of nitric oxide synthases in healthy rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2009, 21, 63-68.  | 2.7 | 28        |
| 17 | Post-resuscitation reperfusion injury: Comparison of periodic G <sub>z</sub> acceleration versus Thumper CPR. <i>Resuscitation</i> , 2006, 70, 454-462.   | 3.0 | 27        |
| 18 | Novel CPR with periodic G <sub>z</sub> acceleration. <i>Resuscitation</i> , 2001, 51, 55-62.  | 3.0 | 26        |

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|----|--|------|-----------|
| 19 | A novel RyR1-selective inhibitor prevents and rescues sudden death in mouse models of malignant hyperthermia and heat stroke. <i>Nature Communications</i> , 2021, 12, 4293.   | 12.8 | 26        |
| 20 | Survival and normal neurological outcome after CPR with periodic Gz acceleration and vasopressin. <i>Resuscitation</i> , 2003, 56, 215-221.  | 3.0  | 25        |
| 21 | Adrenomedullin is increased by pulsatile shear stress on the vascular endothelium via periodic acceleration (pGz). <i>Peptides</i> , 2008, 29, 73-78.  | 2.4  | 25        |
| 22 | Whole Body Periodic Acceleration Is an Effective Therapy to Ameliorate Muscular Dystrophy in mdx Mice. <i>PLoS ONE</i> , 2014, 9, e106590.   | 2.5  | 25        |
| 23 | Antioxidant Properties of Whole Body Periodic Acceleration (pGz). <i>PLoS ONE</i> , 2015, 10, e0131392.  | 2.5  | 24        |
| 24 | Echocardiographic comparison of cardiopulmonary resuscitation (CPR) using periodic acceleration (pGz) versus chest compression. <i>Resuscitation</i> , 2005, 66, 91-97.  | 3.0  | 23        |
| 25 | Memory and Learning Deficits Are Associated With Ca <sup>2+</sup> Dyshomeostasis in Normal Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 224.  | 3.4  | 23        |
| 26 | Periodic acceleration (pGz) acutely increases endothelial and neuronal nitric oxide synthase expression in endomyocardium of normal swine. <i>Peptides</i> , 2009, 30, 373-377.  | 2.4  | 22        |
| 27 | Dysregulation of Intracellular Ca <sup>2+</sup> in Dystrophic Cortical and Hippocampal Neurons. <i>Molecular Neurobiology</i> , 2018, 55, 603-618.   | 4.0  | 22        |
| 28 | Na <sup>+</sup> /H <sup>+</sup> EXCHANGE INHIBITION DELAYS THE ONSET OF HYPOVOLEMIC CIRCULATORY SHOCK IN PIGS. <i>Shock</i> , 2008, 29, 519-525.   | 2.1  | 21        |
| 29 | Increased constitutive nitric oxide production by whole body periodic acceleration ameliorates alterations in cardiomyocytes associated with utrophin/dystrophin deficiency. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 108, 149-157. | 1.9  | 21        |
| 30 | Periodic acceleration (pGz) prior to whole body Ischemia reperfusion injury provides early cardioprotective preconditioning. <i>Life Sciences</i> , 2010, 86, 707-715.   | 4.3  | 20        |
| 31 | The Endothelium as a Therapeutic Target in Diabetes: A Narrative Review and Perspective. <i>Frontiers in Physiology</i> , 2021, 12, 638491.  | 2.8  | 20        |
| 32 | Effect of Whole-Body Periodic Acceleration on Exercise-Induced Muscle Damage after Eccentric Exercise. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 985-992.   | 2.3  | 18        |
| 33 | Changes of blood pressure following initiation of physical inactivity and after external addition of pulses to circulation. <i>European Journal of Applied Physiology</i> , 2019, 119, 201-211.  | 2.5  | 17        |
| 34 | Contribution of TRPC Channels to Intracellular Ca <sup>2+</sup> + Dyshomeostasis in Smooth Muscle From mdx Mice. <i>Frontiers in Physiology</i> , 2020, 11, 126.   | 2.8  | 16        |
| 35 | Whole-Body Periodic Acceleration Modifies Experimental Asthma in Sheep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 743-752.  | 5.6  | 15        |
| 36 | Cardiopulmonary resuscitation (CPR) using periodic acceleration (pGz) in an older porcine model of ventricular fibrillation. <i>Resuscitation</i> , 2004, 60, 327-334.   | 3.0  | 14        |

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|----|--|-----|-----------|
| 37 | Mechanisms of Periodic Acceleration Induced Endothelial Nitric Oxide Synthase (eNOS) Expression and Upregulation Using an In Vitro Human Aortic Endothelial Cell Model. <i>Cardiovascular Engineering and Technology</i> , 2012, 3, 292-301. | 1.6 | 14        |
| 38 | Preconditioning with periodic acceleration (pGz) provides second window of cardioprotection. <i>Life Sciences</i> , 2012, 91, 178-185.   | 4.3 | 14        |
| 39 | The Effects of Passive Simulated Jogging on Short-Term Heart Rate Variability in a Heterogeneous Group of Human Subjects. Hindawi Publishing Corporation, 2018, 2018, 1-9.   | 1.1 | 14        |
| 40 | Transient Receptor Potential Cation Channels and Calcium Dyshomeostasis in a Mouse Model Relevant to Malignant Hyperthermia. <i>Anesthesiology</i> , 2020, 133, 364-376.   | 2.5 | 14        |
| 41 | Periodic acceleration (pGz) CPR in a swine model of asphyxia induced cardiac arrest. <i>Resuscitation</i> , 2008, 77, 132-138.   | 3.0 | 13        |
| 42 | Microcirculatory and therapeutic effects of whole body periodic acceleration (pGz) applied after cardiac arrest in pigs. <i>Resuscitation</i> , 2011, 82, 767-775.   | 3.0 | 12        |
| 43 | Whole Body Periodic Acceleration Improves Muscle Recovery after Eccentric Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1485-1494.  | 0.4 | 12        |
| 44 | Enhancing Endogenous Nitric Oxide by Whole Body Periodic Acceleration Elicits Neuroprotective Effects in Dystrophic Neurons. <i>Molecular Neurobiology</i> , 2018, 55, 8680-8694.  | 4.0 | 12        |
| 45 | Is malignant hyperthermia associated with hyperglycaemia?. <i>British Journal of Anaesthesia</i> , 2019, 122, e3-e5.   | 3.4 | 12        |
| 46 | Portable Gentle Jogger Improves Glycemic Indices in Type 2 Diabetic and Healthy Subjects Living at Home: A Pilot Study. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-9.   | 2.3 | 12        |
| 47 | Increases in [IP3]i aggravates diastolic [Ca2+] and contractile dysfunction in Chagasâ€™ human cardiomyocytes. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008162.   | 3.0 | 11        |
| 48 | Non-selective cyclooxygenase inhibition before periodic acceleration (pGz) cardiopulmonary resuscitation (CPR) in a porcine model of ventricular fibrillation. <i>Resuscitation</i> , 2008, 77, 250-257.                                     | 3.0 | 9         |
| 49 | The effects of prostaglandin inhibition on whole-body ischemia-reperfusion in swine. <i>American Journal of Emergency Medicine</i> , 2008, 26, 45-53.  | 1.6 | 9         |
| 50 | Acute Effects of â€œDelayed Postconditioningâ€•With Periodic Acceleration After Asphyxia Induced Shock in Pigs. <i>Pediatric Research</i> , 2008, 64, 533-537.   | 2.3 | 9         |
| 51 | Whole Body Periodic Acceleration (pGz) Improves Survival and Allows for Resuscitation in a Model of Severe Hemorrhagic Shock in Pigs. <i>Journal of Surgical Research</i> , 2010, 164, e281-e289.  | 1.6 | 8         |
| 52 | A single arm trial using passive simulated jogging for blunting acute hyperglycemia. <i>Scientific Reports</i> , 2021, 11, 6437.   | 3.3 | 8         |
| 53 | Endothelial pulsatile shear stress is a backstop for COVID-19. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 391-399.   | 2.6 | 8         |
| 54 | Non-Invasive Technology That Improves Cardiac Function after Experimental Myocardial Infarction: Whole Body Periodic Acceleration (pGz). <i>PLoS ONE</i> , 2015, 10, e0121069.   | 2.5 | 8         |

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|----|---|-----|-----------|
| 55 | Diaphragmatic flutter in three babies with bronchopulmonary dysplasia and respiratory syncytial virus bronchiolitis. <i>Pediatric Pulmonology</i> , 1995, 19, 312-316.                          | 2.0 | 7         |
| 56 | Noninvasive monitoring of cardiac output in human neonates and juvenile piglets by inductance cardiography (Thoracocardiography). <i>Journal of Critical Care</i> , 2002, 17, 259-266.          | 2.2 | 7         |
| 57 | Biological basis of neuroprotection and neurotherapeutic effects of Whole Body Periodic Acceleration (pGz). <i>Medical Hypotheses</i> , 2014, 82, 681-687.                                      | 1.5 | 7         |
| 58 | Whole body periodic acceleration improves survival and microvascular leak in a murine endotoxin model. <i>PLoS ONE</i> , 2019, 14, e0208681.  | 2.5 | 7         |
| 59 | Calcitonin gene-related peptide protects against whole body ischemia in a porcine model of cardiopulmonary resuscitation. <i>Resuscitation</i> , 2003, 59, 139-145.                             | 3.0 | 5         |
| 60 | Whole body periodic acceleration (pGz) preserves heart rate variability after cardiac arrest. <i>Resuscitation</i> , 2016, 99, 20-25.   | 3.0 | 5         |
| 61 | Whole Body Periodic Acceleration (pGz) as a non-invasive preconditioning strategy for pediatric cardiac surgery. <i>Medical Hypotheses</i> , 2018, 110, 144-149.                                | 1.5 | 5         |
| 62 | Can Physical Activity While Sedentary Produce Health Benefits? A Single-Arm Randomized Trial. <i>Sports Medicine - Open</i> , 2020, 6, 47.  | 3.1 | 5         |
| 63 | Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. <i>PLoS ONE</i> , 2019, 14, e0224764.  | 2.5 | 4         |
| 64 | Whole body periodic acceleration (pGz) improves endotoxin induced cardiomyocyte contractile dysfunction and attenuates the inflammatory response in mice. <i>Heliyon</i> , 2021, 7, e06444.     | 3.2 | 4         |
| 65 | Cardioprotective Effect of Whole Body Periodic Acceleration in Dystrophic Phenotype mdx Rodent. <i>Frontiers in Physiology</i> , 2021, 12, 658042.  | 2.8 | 4         |
| 66 | Cyclooxygenase inhibition prior to ventricular fibrillation induced ischemia reperfusion injury impairs survival and outcomes. <i>Medical Hypotheses</i> , 2020, 135, 109485.                   | 1.5 | 2         |
| 67 | pGz Reverses Cardiac Dysfunction in Dystrophic Mice. <i>Biophysical Journal</i> , 2014, 106, 116a.  | 0.5 | 1         |
| 68 | Release of Nitric Oxide From Endothelium With Periodic Acceleration and Effect on Health Related Quality of Lif. <i>Chest</i> , 2003, 124, 134S.  | 0.8 | 0         |
| 69 | Neuronal Intracellular Ca <sup>2+</sup> and Na <sup>+</sup> Dyshomeostasis in the MDX Mouse. <i>Biophysical Journal</i> , 2016, 110, 260a-261a.   | 0.5 | 0         |
| 70 | Effects of Exercise and Periodic Acceleration on Nitric Oxide Release. <i>Chest</i> , 2003, 124, 165S.  | 0.8 | 0         |
| 71 | Targeting the Endothelium. <i>Signa Vitae</i> , 2010, 5, 17.  | 0.3 | 0         |
| 72 | The Effects of Passive Simulated Jogging on Parameters of Explosive Handgrip in Nondiabetics and Type 2 Diabetics: A Single Arm Study. <i>BioMed Research International</i> , 2022, 2022, 1-11. | 1.9 | 0         |

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|----|--|----|-----------|
| 73 | Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. , 2019, 14, e0224764. |    | 0         |
| 74 | Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. , 2019, 14, e0224764. |    | 0         |
| 75 | Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. , 2019, 14, e0224764. |    | 0         |
| 76 | Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. , 2019, 14, e0224764. |    | 0         |