Jose A Adams

List of Publications by Year
in descending order

75 papers	1,421 citations	304368 22 h-index	395343 33 g-index
77 all docs	77 docs citations	77 times ranked	762 citing authors

#	Article	IF	Citations
1	The Effects of Passive Simulated Jogging on Parameters of Explosive Handgrip in Nondiabetics and Type 2 Diabetics: A Single Arm Study. BioMed Research International, 2022, 2022, 1-11.	0.9	0
2	The Endothelium as a Therapeutic Target in Diabetes: A Narrative Review and Perspective. Frontiers in Physiology, 2021, 12, 638491.	1.3	20
3	A single arm trial using passive simulated jogging for blunting acute hyperglycemia. Scientific Reports, 2021, 11, 6437.	1.6	8
4	Whole body periodic acceleration (pGz) improves endotoxin induced cardiomyocyte contractile dysfunction and attenuates the inflammatory response in mice. Heliyon, 2021, 7, e06444.	1.4	4
5	Cardioprotective Effect of Whole Body Periodic Acceleration in Dystrophic Phenotype mdx Rodent. Frontiers in Physiology, 2021, 12, 658042.	1.3	4
6	A novel RyR1-selective inhibitor prevents and rescues sudden death in mouse models of malignant hyperthermia and heat stroke. Nature Communications, 2021, 12, 4293.	5.8	26
7	Cyclooxygenase inhibition prior to ventricular fibrillation induced ischemia reperfusion injury impairs survival and outcomes. Medical Hypotheses, 2020, 135, 109485.	0.8	2
8	Memory and Learning Deficits Are Associated With Ca2+ Dyshomeostasis in Normal Aging. Frontiers in Aging Neuroscience, 2020, 12, 224.	1.7	23
9	Portable Gentle Jogger Improves Glycemic Indices in Type 2 Diabetic and Healthy Subjects Living at Home: A Pilot Study. Journal of Diabetes Research, 2020, 2020, 1-9.	1.0	12
10	Contribution of TRPC Channels to Intracellular Ca2 + Dyshomeostasis in Smooth Muscle From mdx Mice. Frontiers in Physiology, 2020, 11, 126.	1.3	16
11	Increases in [IP3]i aggravates diastolic [Ca2+] and contractile dysfunction in Chagasâ€™ human cardiomyocytes. PLoS Neglected Tropical Diseases, 2020, 14, e0008162.	1.3	11
12	Endothelial pulsatile shear stress is a backstop for COVID-19. Emerging Topics in Life Sciences, 2020, 4, 391-399.	1.1	8
13	Transient Receptor Potential Cation Channels and Calcium Dyshomeostasis in a Mouse Model Relevant to Malignant Hyperthermia. Anesthesiology, 2020, 133, 364-376.	1.3	14
14	Can Physical Activity While Sedentary Produce Health Benefits? A Single-Arm Randomized Trial. Sports Medicine - Open, 2020, 6, 47.	1.3	5
15	Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. PLoS ONE, 2019, 14, e0224764.	1.1	4
16	Whole body periodic acceleration improves survival and microvascular leak in a murine endotoxin model. PLoS ONE, 2019, 14, e0208681.	1.1	7
17	Is malignant hyperthermia associated with hyperglycaemia?. British Journal of Anaesthesia, 2019, 122, e3-e5.	1.5	12
18	Changes of blood pressure following initiation of physical inactivity and after external addition of pulses to circulation. European Journal of Applied Physiology, 2019, 119, 201-211.	1.2	17

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19	Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. , 2019, 14, e0224764.		0
20	Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. , 2019, 14, e0224764.		0
21	Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. , 2019, 14, e0224764.		0
22	Whole body periodic acceleration in normal and reduced mucociliary clearance of conscious sheep. , 2019, 14, e0224764.		0
23	Whole Body Periodic Acceleration (pGz) as a non-invasive preconditioning strategy for pediatric cardiac surgery. Medical Hypotheses, 2018, 110, 144-149.	0.8	5
24	Enhancing Endogenous Nitric Oxide by Whole Body Periodic Acceleration Elicits Neuroprotective Effects in Dystrophic Neurons. Molecular Neurobiology, 2018, 55, 8680-8694.	1.9	12
25	Dysregulation of Intracellular Ca2+ in Dystrophic Cortical and Hippocampal Neurons. Molecular Neurobiology, 2018, 55, 603-618.	1.9	22
26	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.	2.3	14
27	Increased constitutive nitric oxide production by whole body periodic acceleration ameliorates alterations in cardiomyocytes associated with utrophin/dystrophin deficiency. Journal of Molecular and Cellular Cardiology, 2017, 108, 149-157.	0.9	21
28	Whole Body Periodic Acceleration Improves Muscle Recovery after Eccentric Exercise. Medicine and Science in Sports and Exercise, 2016, 48, 1485-1494.	0.2	12
29	Neuronal Intracellular Ca2+ and Na+ Dyshomeostasis in the MDX Mouse. Biophysical Journal, 2016, 110, 260a-261a.	0.2	0
30	Whole body periodic acceleration (pGz) preserves heart rate variability after cardiac arrest. Resuscitation, 2016, 99, 20-25.	1.3	5
31	Antioxidant Properties of Whole Body Periodic Acceleration (pGz). PLoS ONE, 2015, 10, e0131392.	1.1	24
32	Non-Invasive Technology That Improves Cardiac Function after Experimental Myocardial Infarction: Whole Body Periodic Acceleration (pGz). PLoS ONE, 2015, 10, e0121069.	1.1	8
33	Whole Body Periodic Acceleration Is an Effective Therapy to Ameliorate Muscular Dystrophy in mdx Mice. PLoS ONE, 2014, 9, e106590.	1.1	25
34	pGz Reverses Cardiac Dysfunction in Dystrophic Mice. Biophysical Journal, 2014, 106, 116a.	0.2	1
35	Age-dependent changes in diastolic Ca2+ and Na+ concentrations in dystrophic cardiomyopathy: Role of Ca2+ entry and IP3. Biochemical and Biophysical Research Communications, 2014, 452, 1054-1059.	1.0	38
36	Biological basis of neuroprotection and neurotherapeutic effects of Whole Body Periodic Acceleration (pGz). Medical Hypotheses, 2014, 82, 681-687.	0.8	7

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37	Effect of Whole-Body Periodic Acceleration on Exercise-Induced Muscle Damage after Eccentric Exercise. International Journal of Sports Physiology and Performance, 2014, 9, 985-992.	1.1	18
38	Mechanisms of Periodic Acceleration Induced Endothelial Nitric Oxide Synthase (eNOS) Expression and Upregulation Using an In Vitro Human Aortic Endothelial Cell Model. Cardiovascular Engineering and Technology, 2012, 3, 292-301.	0.7	14
39	Preconditioning with periodic acceleration (pGz) provides second window of cardioprotection. Life Sciences, 2012, 91, 178-185.	2.0	14
40	Microcirculatory and therapeutic effects of whole body periodic acceleration (pGz) applied after cardiac arrest in pigs. Resuscitation, 2011, 82, 767-775.	1.3	12
41	Whole Body Periodic Acceleration (pGz) Improves Survival and Allows for Resuscitation in a Model of Severe Hemorrhagic Shock in Pigs. Journal of Surgical Research, 2010, 164, e281-e289.	0.8	8
42	Periodic acceleration (pGz) prior to whole body Ischemia reperfusion injury provides early cardioprotective preconditioning. Life Sciences, 2010, 86, 707-715.	2.0	20
43	Low-amplitude pulses to the circulation through periodic acceleration induces endothelial-dependent vasodilatation. Journal of Applied Physiology, 2009, 106, 1840-1847.	1.2	31
44	In vivo upregulation of nitric oxide synthases in healthy rats. Nitric Oxide - Biology and Chemistry, 2009, 21, 63-68.	1.2	28
45	Periodic acceleration (pGz) acutely increases endothelial and neuronal nitric oxide synthase expression in endomyocardium of normal swine. Peptides, 2009, 30, 373-377.	1.2	22
46	Periodic acceleration (pGz) CPR in a swine model of asphyxia induced cardiac arrest. Resuscitation, 2008, 77, 132-138.	1.3	13
47	Non-selective cyclooxygenase inhibition before periodic acceleration (pGz) cardiopulmonary resuscitation (CPR) in a porcine model of ventricular fibrillation. Resuscitation, 2008, 77, 250-257.	1.3	9
48	The effects of prostaglandin inhibition on whole-body ischemia-reperfusion in swine. American Journal of Emergency Medicine, 2008, 26, 45-53.	0.7	9
49	Adrenomedullin is increased by pulsatile shear stress on the vascular endothelium via periodic acceleration (pGz). Peptides, 2008, 29, 73-78.	1.2	25
50	Acute Effects of â€œDelayed Postconditioningâ€• With Periodic Acceleration After Asphyxia Induced Shock in Pigs. Pediatric Research, 2008, 64, 533-537.	1.1	9
51	Na+/H+ EXCHANGE INHIBITION DELAYS THE ONSET OF HYPOVOLEMIC CIRCULATORY SHOCK IN PIGS. Shock, 2008, 29, 519-525.	1.0	21
52	Different roles of nitric oxide synthase isoforms in cardiopulmonary resuscitation in pigs. Resuscitation, 2007, 73, 144-153.	1.3	54
53	Nitric oxide synthase isoform inhibition before whole body ischemia reperfusion in pigs: Vital or protective?. Resuscitation, 2007, 74, 516-525.	1.3	30
54	Endothelium and cardiopulmonary resuscitation. Critical Care Medicine, 2006, 34, S458-S465.	0.4	75

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55	Post-resuscitation reperfusion injury: Comparison of periodic Gz acceleration versus Thumper CPR. Resuscitation, 2006, 70, 454-462.	1.3	27
56	Whole-Body Periodic Acceleration Modifies Experimental Asthma in Sheep. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 743-752.	2.5	15
57	Effect of Moderate-Intensity Exercise, Whole-Body Periodic Acceleration, and Passive Cycling on Nitric Oxide Release Into Circulation. Chest, 2005, 128, 2794-2803.	0.4	34
58	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. Chest, 2005, 127, 30-39.	0.4	66
59	Echocardiographic comparison of cardiopulmonary resuscitation (CPR) using periodic acceleration (pGz) versus chest compression. Resuscitation, 2005, 66, 91-97.	1.3	23
60	Periodic acceleration: effects on vasoactive, fibrinolytic, and coagulation factors. Journal of Applied Physiology, 2005, 98, 1083-1090.	1.2	51
61	Cardiopulmonary resuscitation (CPR) using periodic acceleration (pGz) in an older porcine model of ventricular fibrillation. Resuscitation, 2004, 60, 327-334.	1.3	14
62	Say NO to fibromyalgia and chronic fatigue syndrome: an alternative and complementary therapy to aerobic exercise. Medical Hypotheses, 2004, 63, 118-123.	0.8	28
63	Survival and normal neurological outcome after CPR with periodic Gz acceleration and vasopressin. Resuscitation, 2003, 56, 215-221.	1.3	25
64	Calcitonin gene-related peptide protects against whole body ischemia in a porcine model of cardiopulmonary resuscitation. Resuscitation, 2003, 59, 139-145.	1.3	5
65	Effects of Periodic Body Acceleration on the In Vivo Vasoactive Response to N-w-nitroâ€“L-arginine and the In Vitro Nitric Oxide Production. Annals of Biomedical Engineering, 2003, 31, 1337-1346.	1.3	38
66	Release of Nitric Oxide From Endothelium With Periodic Acceleration and Effect on Health Related Quality of Lif. Chest, 2003, 124, 134S.	0.4	0
67	Effects of Exercise and Periodic Acceleration on Nitric Oxide Release. Chest, 2003, 124, 165S.	0.4	0
68	Noninvasive monitoring of cardiac output in human neonates and juvenile piglets by inductance cardiography (Thoracocardiography). Journal of Critical Care, 2002, 17, 259-266.	1.0	7
69	Regional blood flow during periodic acceleration. Critical Care Medicine, 2001, 29, 1983-1988.	0.4	59
70	Novel CPR with periodic Gz acceleration. Resuscitation, 2001, 51, 55-62.	1.3	26
71	Noninvasive motion ventilation (NIMV): a novel approach to ventilatory support. Journal of Applied Physiology, 2000, 89, 2438-2446.	1.2	36
72	Hemodynamic effects of periodic G_z acceleration in meconium aspiration in pigs. Journal of Applied Physiology, 2000, 89, 2447-2452.	1.2	38

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73	Diaphragmatic flutter in three babies with bronchopulmonary dysplasia and respiratory syncytial virus bronchiolitis. Pediatric Pulmonology, 1995, 19, 312-316.	1.0	7
74	Comparison of supine and prone noninvasive measurements of breathing patterns in fullterm newborns. Pediatric Pulmonology, 1994, 18, 8-12.	1.0	53
75	Tidal Volume Measurements in Newborns Using Respiratory Inductive Plethysmography. The American Review of Respiratory Disease, 1993, 148, 585-588.	2.9	70