

Jason D Allen

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

3,015
citations

136950

32
h-index

168389

53
g-index

73
all docs

73
docs citations

73
times ranked

3596
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary nitrate supplementation enhances exercise performance in peripheral arterial disease. <i>Journal of Applied Physiology</i> , 2011, 110, 1582-1591.	2.5	254
2	Impact of dietary nitrate supplementation via beetroot juice on exercising muscle vascular control in rats. <i>Journal of Physiology</i> , 2013, 591, 547-557.	2.9	249
3	Inhibition of Maximal Voluntary Isometric Torque Production by Acute Stretching is Joint-Angle Specific. <i>Research Quarterly for Exercise and Sport</i> , 2001, 72, 68-70.	1.4	123
4	Modulation of Circulating Angiogenic Factors and Tumor Biology by Aerobic Training in Breast Cancer Patients Receiving Neoadjuvant Chemotherapy. <i>Cancer Prevention Research</i> , 2013, 6, 925-937.	1.5	109
5	Relationship between leg muscle capillary density and peak hyperemic blood flow with endurance capacity in peripheral artery disease. <i>Journal of Applied Physiology</i> , 2011, 111, 81-86.	2.5	103
6	Acoustic Radiation Force Impulse Imaging for Noninvasive Characterization of Carotid Artery Atherosclerotic Plaques: A Feasibility Study. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 707-716.	1.5	98
7	The effects of resistance training on muscle strength, quality of life and aerobic capacity in patients with chronic heart failure – A meta-analysis. <i>International Journal of Cardiology</i> , 2017, 227, 413-423.	1.7	96
8	Angiogenesis in Skeletal Muscle Precede Improvements in Peak Oxygen Uptake in Peripheral Artery Disease Patients. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2742-2748.	2.4	94
9	Microvascular oxygen pressures in muscles comprised of different fiber types: Impact of dietary nitrate supplementation. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 48, 38-43.	2.7	91
10	A stepwise reduction in plasma and salivary nitrite with increasing strengths of mouthwash following a dietary nitrate load. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 54, 1-7.	2.7	87
11	Plasma nitrite flux predicts exercise performance in peripheral arterial disease after 3months of exercise training. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1138-1144.	2.9	80
12	The biocompatibility of titanium cardiovascular devices seeded with autologous blood-derived endothelial progenitor cells. <i>Biomaterials</i> , 2011, 32, 10-18.	11.4	77
13	Salivary nitrite production is elevated in individuals with a higher abundance of oral nitrate-reducing bacteria. <i>Free Radical Biology and Medicine</i> , 2018, 120, 80-88.	2.9	73
14	Plasma nitrite response and arterial reactivity differentiate vascular health and performance. <i>Nitric Oxide - Biology and Chemistry</i> , 2009, 20, 231-237.	2.7	70
15	Stability and reproducibility of brachial artery flow-mediated dilation. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 960-965.	0.4	67
16	Effects of Nonlinear Aerobic Training on Erectile Dysfunction and Cardiovascular Function Following Radical Prostatectomy for Clinically Localized Prostate Cancer. <i>European Urology</i> , 2014, 65, 852-855.	1.9	67
17	Time Course of Improved Flow-Mediated Dilation after Short-Term Exercise Training. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 847-853.	0.4	64
18	Nitrate pharmacokinetics: Taking note of the difference. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 48, 44-50.	2.7	62

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19	Blood Pressure-Lowering Mechanisms of the DASH Dietary Pattern. <i>Journal of Nutrition and Metabolism</i> , 2012, 2012, 1-10.	1.8	59
20	Effects of nitrate supplementation via beetroot juice on contracting rat skeletal muscle microvascular oxygen pressure dynamics. <i>Respiratory Physiology and Neurobiology</i> , 2013, 187, 250-255.	1.6	56
21	Nitrite and nitric oxide metabolism in peripheral artery disease. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 217-222.	2.7	54
22	Acute Effects of Nitrate-Rich Beetroot Juice on Blood Pressure, Hemostasis and Vascular Inflammation Markers in Healthy Older Adults: A Randomized, Placebo-Controlled Crossover Study. <i>Nutrients</i> , 2017, 9, 1270.	4.1	53
23	Ginseng Supplementation Does Not Enhance Healthy Young Adults' Peak Aerobic Exercise Performance. <i>Journal of the American College of Nutrition</i> , 1998, 17, 462-466.	1.8	51
24	Regional and whole-body markers of nitric oxide production following hyperemic stimuli. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1164-1169.	2.9	49
25	The development and potential of acoustic radiation force impulse (ARFI) imaging for carotid artery plaque characterization. <i>Vascular Medicine</i> , 2011, 16, 302-311.	1.5	49
26	Effect of Low Versus High Dialysate Sodium Concentration on Blood Pressure and Endothelial-Derived Vasoregulators During Hemodialysis: A Randomized Crossover Study. <i>American Journal of Kidney Diseases</i> , 2015, 65, 464-473.	1.9	49
27	Lower-limb vascular imaging with acoustic radiation force elastography: Demonstration of in vivo feasibility. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009, 56, 931-944.	3.0	43
28	Acute ingestion of dietary nitrate increases muscle blood flow via local vasodilation during handgrip exercise in young adults. <i>Physiological Reports</i> , 2018, 6, e13572.	1.7	40
29	Rationale and design of the Exercise Intensity Trial (EXCITE): A randomized trial comparing the effects of moderate versus moderate to high-intensity aerobic training in women with operable breast cancer. <i>BMC Cancer</i> , 2010, 10, 531.	2.6	36
30	Dietary nitrate supplementation in cardiovascular health: an ergogenic aid or exercise therapeutic?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H195-H212.	3.2	35
31	Dietary nitrate supplementation: impact on skeletal muscle vascular control in exercising rats with chronic heart failure. <i>Journal of Applied Physiology</i> , 2016, 121, 661-669.	2.5	34
32	Beet the Best?. <i>Circulation Research</i> , 2018, 123, 654-659.	4.5	34
33	Acute Dietary Nitrate Supplementation Improves Flow Mediated Dilatation of the Superficial Femoral Artery in Healthy Older Males. <i>Nutrients</i> , 2019, 11, 954.	4.1	34
34	Diabetes status differentiates endothelial function and plasma nitrite response to exercise stress in peripheral arterial disease following supervised training. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 219-225.	2.3	32
35	Parallel-plate Flow Chamber and Continuous Flow Circuit to Evaluate Endothelial Progenitor Cells under Laminar Flow Shear Stress. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	31
36	Effect of dietary nitrate supplementation on conduit artery blood flow, muscle oxygenation, and metabolic rate during handgrip exercise. <i>Journal of Applied Physiology</i> , 2018, 125, 254-262.	2.5	28

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37	Sodium nitrate alleviates functional muscle ischaemia in patients with Becker muscular dystrophy. <i>Journal of Physiology</i> , 2015, 593, 5183-5200.	2.9	26
38	Comparison of Acoustic Radiation Force Impulse Imaging Derived Carotid Plaque Stiffness With Spatially Registered MRI Determined Composition. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2354-2365.	8.9	26
39	Dietary Inorganic Nitrate as an Ergogenic Aid: An Expert Consensus Derived via the Modified Delphi Technique. <i>Sports Medicine</i> , 2022, 52, 2537-2558.	6.5	26
40	Total nitrogen oxide following exercise testing reflects endothelial function and discriminates health status. <i>Free Radical Biology and Medicine</i> , 2006, 41, 740-747.	2.9	23
41	Dose dependent effects of nitrate supplementation on cardiovascular control and microvascular oxygenation dynamics in healthy rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 39, 51-58.	2.7	23
42	Skeletal Muscle Vascular Control During Exercise. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2016, 21, 201-208.	2.0	20
43	Influence of age and normal plasma fibrinogen levels on flow-mediated dilation in healthy adults. <i>American Journal of Cardiology</i> , 2000, 86, 703-705.	1.6	19
44	Nitrite, NO and hypoxic vasodilation. <i>British Journal of Pharmacology</i> , 2009, 158, 1653-1654.	5.4	19
45	Potential mechanisms for reduced delivery of nitric oxide to peripheral tissues in diabetes mellitus. <i>Annals of the New York Academy of Sciences</i> , 2010, 1203, 101-106.	3.8	18
46	Isolation of Functional Human Endothelial Cells from Small Volumes of Umbilical Cord Blood. <i>Annals of Biomedical Engineering</i> , 2013, 41, 2181-2192.	2.5	17
47	Forearm Vasoreactivity in Type I Diabetic Subjects. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2001, 26, 34-43.	1.7	14
48	Skeletal muscle capillary density is related to anaerobic threshold and claudication in peripheral artery disease. <i>Vascular Medicine</i> , 2020, 25, 411-418.	1.5	14
49	Effect of inorganic nitrate on exercise capacity, mitochondria respiration, and vascular function in heart failure with reduced ejection fraction. <i>Journal of Applied Physiology</i> , 2020, 128, 1355-1364.	2.5	12
50	Effects of inorganic nitrate supplementation on cardiovascular function and exercise tolerance in heart failure. <i>Journal of Applied Physiology</i> , 2021, 130, 914-922.	2.5	12
51	Biphasic responses of the brachial artery diameter following forearm occlusion: a blunted response in the elderly. <i>Dynamic Medicine: DM</i> , 2006, 5, 4.	2.8	11
52	The effect of aspirin on endothelial progenitor cell biology: Preliminary investigation of novel properties. <i>Thrombosis Research</i> , 2010, 126, e175-e179.	1.7	10
53	Unlocking the barriers to improved functional capacity in the elderly: Rationale and design for the "Fit for Life" trial. <i>Contemporary Clinical Trials</i> , 2013, 36, 266-275.	1.8	10
54	Increased yield of endothelial cells from peripheral blood for cell therapies and tissue engineering. <i>Regenerative Medicine</i> , 2015, 10, 447-460.	1.7	10

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55	PRIME. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1005-1014.	0.4	7
56	The effect of acute exercise on pre-prandial ghrelin levels in healthy adults: A systematic review and meta-analysis. <i>Peptides</i> , 2021, 145, 170625.	2.4	7
57	Combined Dietary Nitrate and Exercise Intervention in Peripheral Artery Disease: Protocol Rationale and Design. <i>JMIR Research Protocols</i> , 2017, 6, e139.	1.0	7
58	Inorganic nitrate as a treatment for acute heart failure: a protocol for a single center, randomized, double-blind, placebo-controlled pilot and feasibility study. <i>Journal of Translational Medicine</i> , 2017, 15, 172.	4.4	6
59	The Effect of Dietary Inorganic Nitrate Supplementation on Cardiac Function during Submaximal Exercise in Men with Heart Failure with Reduced Ejection Fraction (HFrEF): A Pilot Study. <i>Nutrients</i> , 2020, 12, 2132.	4.1	6
60	Effects of Dietary Inorganic Nitrate Supplementation on Exercise Performance in Patients With Heart Failure: Protocol for a Randomized, Placebo-Controlled, Cross-Over Trial. <i>JMIR Research Protocols</i> , 2018, 7, e86.	1.0	6
61	Aerobic Versus Resistance Training Effects on Ventricular-Arterial Coupling and Vascular Function in the STRRIDE-AT/RT Trial. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 638929.	2.4	4
62	Reply to Lundberg, Larsen, and Weitzberg. <i>Journal of Applied Physiology</i> , 2011, 111, 618-618.	2.5	3
63	Research Toolbox for Peripheral Arterial Disease—Minimally Invasive Assessment of the Vasculature and Skeletal Muscle. <i>Circulation Journal</i> , 2018, 82, 2462-2469.	1.6	3
64	The association of homocysteine and related factors to brachial artery diameter and flow-mediated dilation. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 641-648.	3.4	2
65	A critical examination of the ergogenic/therapeutic effects of supplementation to increase nitric oxide bioavailability. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 48, 1-2.	2.7	2
66	Assessing the Value of BMI and Aerobic Capacity as Surrogate Markers for the Severity of Left Ventricular Diastolic Dysfunction in Patients with Type 2 Diabetes who are Obese. <i>Clinical Medicine Insights: Cardiology</i> , 2016, 10, CMC.S38116.	1.8	2
67	A harmonic tracking method for improved visualization of arterial structures with acoustic radiation force impulse imaging. , 2013, , .		0
68	Inorganic nitrate supplementation and exercise. Is skeletal muscle involved in the heavy lifting?. <i>Journal of Physiology</i> , 2019, 597, 5521-5522.	2.9	0
69	Impact of a Novel Training Approach on Hemodynamic and Vascular Profiles in Older Adults. <i>Journal of Aging and Physical Activity</i> , 2021, , 1-8.	1.0	0
70	Association between uric acid, lean mass, and muscle strength gains in the elderly. <i>FASEB Journal</i> , 2012, 26, 1077.6.	0.5	0