

Alvaro N Gurovich

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

515
citations

840119

11
h-index

676716

22
g-index

97
all docs

97
docs citations

97
times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	Central, peripheral and resistance arterial reactivity: fluctuates during the phases of the menstrual cycle. <i>Experimental Biology and Medicine</i> , 2010, 235, 111-118.	1.1	154
2	Redox Balance in the Aging Microcirculation: New Friends, New Foes, and New Clinical Directions. <i>Microcirculation</i> , 2012, 19, 19-28.	1.0	50
3	Enhanced external counterpulsation creates acute blood flow patterns responsible for improved flow-mediated dilation in humans. <i>Hypertension Research</i> , 2013, 36, 297-305.	1.5	46
4	Age and exercise training alter signaling through reactive oxygen species in the endothelium of skeletal muscle arterioles. <i>Journal of Applied Physiology</i> , 2013, 114, 681-693.	1.2	45
5	The acute effects of smokeless tobacco on central aortic blood pressure and wave reflection characteristics. <i>Experimental Biology and Medicine</i> , 2010, 235, 1263-1268.	1.1	28
6	Pulse wave analysis and pulse wave velocity techniques: are they ready for the clinic?. <i>Hypertension Research</i> , 2011, 34, 166-169.	1.5	28
7	Aortic Pulse Wave Analysis Is Not a Surrogate for Central Arterial Pulse Wave Velocity. <i>Experimental Biology and Medicine</i> , 2009, 234, 1339-1344.	1.1	19
8	Analysis of both pulsatile and streamline blood flow patterns during aerobic and resistance exercise. <i>European Journal of Applied Physiology</i> , 2012, 112, 3755-3764.	1.2	17
9	Validity of a Novel Wristband Tonometer for Measuring Central Hemodynamics and Augmentation Index. <i>American Journal of Hypertension</i> , 2014, 27, 926-931.	1.0	14
10	Flow-mediated dilation is associated with endothelial oxidative stress in human venous endothelial cells. <i>Vascular Medicine</i> , 2014, 19, 251-256.	0.8	12
11	Association of Age With Timing and Amplitude of Reflected Pressure Waves During Exercise in Men. <i>American Journal of Hypertension</i> , 2011, 24, 415-420.	1.0	11
12	Internal validation of an automated system for brachial and femoral flow mediated dilation. <i>Clinical Hypertension</i> , 2017, 23, 17.	0.7	10
13	Characterization of blood flow patterns and endothelial shear stress during flow-mediated dilation. <i>Clinical Physiology and Functional Imaging</i> , 2019, 39, 240-245.	0.5	7
14	Comparison between cuff-based and radial tonometry exercise-induced central blood pressure. <i>European Journal of Applied Physiology</i> , 2019, 119, 901-911.	1.2	7
15	Comparison of the Observed Heart Rate during Blood Lactate-based Exercise Intensity vs. Three Heart Rate-based Methods in Cardiovascular Rehabilitation. <i>Cardiopulmonary Physical Therapy Journal</i> , 2014, 25, 50-54.	0.2	6
16	Putting the Physiology Back in Physiotherapy. <i>Cardiopulmonary Physical Therapy Journal</i> , 2019, 30, 136-138.	0.2	6
17	Blood flow patterns during incremental and steady-state aerobic exercise. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018, 58, 1537-1543.	0.4	5
18	Clinical Markers of Exercise Intensity as a Surrogate for Blood Lactate Levels Only During Low-Intensity Exercise in Patients With Coronary Artery Disease. <i>Cardiopulmonary Physical Therapy Journal</i> , 2018, 29, 144-151.	0.2	5

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19	Patients with refractory angina have increased aortic wave reflection and wasted left ventricular pressure energy. <i>Artery Research</i> , 2014, 8, 9.	0.3	4
20	Acute dietary nitrate does not reduce resting metabolic rate or oxidative stress marker 8-isoprostane in healthy males and females. <i>International Journal of Food Sciences and Nutrition</i> , 2019, 70, 887-893.	1.3	4
21	Differences in Determining Exercise Intensity in Males and Females. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 765-766.	0.2	4
22	Differences in Blood Flow Patterns and Endothelial Shear Stress at the Carotid Artery Using Different Exercise Modalities and Intensities. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	4
23	Reproducibility Of Brachial And Femoral Arterial Diameter And Flow-mediated Dilation Via Automatic Edge-detection Software. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 315.	0.2	3
24	Imaging Ultrasound Assessment of Exercise-Induced Endothelial Shear Stress of the Brachial and Carotid Arteries. <i>Cardiopulmonary Physical Therapy Journal</i> , 2021, 32, 30-36.	0.2	3
25	There are no differences in brachial artery endothelial shear stress and blood flow patterns between males and females during exercise. <i>Clinical Physiology and Functional Imaging</i> , 2021, 41, 471-479.	0.5	3
26	Wasted Left Ventricular Pressure Energy is Increased In Patients With Refractory Angina. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 69.	0.2	3
27	Three-Dimension Blood Flow Classification Scheme Better Describes NO-Mediated Arterial Vasodilation. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 7.	0.2	3
28	Lower Limb Muscle Activity During Normal and Altered Over Head Squats - A Preliminary Report. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 963-964.	0.2	2
29	Effects of 1 MHz Therapeutic Ultrasound on Limb Blood Flow and Microvascular Reactivity: A Randomized Pilot Trial. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11444.	1.2	2
30	Differences between Males and Females in Determining Exercise Intensity. <i>International Journal of Exercise Science</i> , 2020, 13, 1305-1316.	0.5	2
31	Controlled Re-Injury of a Thigh Muscle Tear in a Soccer Player: a Case Study. <i>Journal of Physical Therapy Science</i> , 2012, 24, 295-299.	0.2	1
32	Changes in Oxidative Stress and Resting Metabolic Rate after Acute Dietary Nitrate Supplementation. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 592.	0.2	1
33	Effects of inâ€vitro exerciseâ€induced endothelial shear stress on adhesion molecule gene expression. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
34	P51 Effects of Pulsatile Exercise-induced Shear Stress on eNOS, SOD, VCAM-1, and ICAM-1 mRNA Expression of Human Carotid Artery Endothelial Cells. <i>Artery Research</i> , 2019, 25, S92-S92.	0.3	1
35	EMG Comparison between Sixth Grade Students. <i>FASEB Journal</i> , 2018, 32, 629.6.	0.2	1
36	Effect of Increased Nitric Oxide Bioavailability on Endothelial Function and Pulse Wave Velocity. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 592-593.	0.2	1

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37	A Novel "Eccentric" Therapeutic Approach for Individuals Recovering From COVID-19. <i>Cardiopulmonary Physical Therapy Journal</i> , 2021, 32, S15-S21.	0.2	1
38	Exercise-Induced Shear Stress Upregulates eNOS Protein <i>in vitro</i> . <i>FASEB Journal</i> , 2022, 36, .	0.2	1
39	Myocardial Energetics Is Altered In Patients With Coronary Artery Disease. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 541.	0.2	0
40	A Prospective Look at the Impact of Aging On Central Hemodynamics During Exercise in Men. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 308.	0.2	0
41	Exercise-Induced Blood Flow Decreases Endothelial Oxidative Stress and Upregulates Endothelial Nitric Oxide Synthase. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 746-747.	0.2	0
42	CLINICAL VARIABLES COULD SURROGATE BLOOD LACTATE LEVELS AS AN EXERCISE INTENSITY MARKER ONLY DURING LOW INTENSITY EXERCISE IN PATIENTS WITH CORONARY ARTERY DISEASE.. <i>Cardiopulmonary Physical Therapy Journal</i> , 2014, 25, 117.	0.2	0
43	Bone Mineral Density In Women 45 To 65 Years Of Age Is Associated With Height And Body Weight At A Younger Age. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 616-617.	0.2	0
44	Bone Mineral Density in Women 65 to 95 Years of Age is Associated with Current Body Weight Rather than Age or Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 618.	0.2	0
45	Comparison of Whole Blood Lactate Values Between YSI 1500 Sports and Lactate Plus. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 13-14.	0.2	0
46	Effect Of Different Cool-down Protocols In Swimmers. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 537.	0.2	0
47	Acute Pain Elicits Changes in Pulse Wave Analysis and Pulse Wave Velocity. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 371.	0.2	0
48	Aortic Root Dilation in Professional SCUBA Diver. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 20.	0.2	0
49	Exercise-Induced Blood Flow Patterns Changes Based on Lactate Levels. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 253-254.	0.2	0
50	Dietary Nitrate and Pulse Wave Analysis. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 818.	0.2	0
51	Internal Laboratory Validation of Flow Mediated Dilation Analysis. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 812.	0.2	0
52	Comparison of Exercise-induce Endothelial Shear Stress Between Poiseuille's Law and Womersley's Approximation. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 181.	0.2	0
53	Impact Of The Fractioned Distance On Endurance Training In Soccer Players. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 138.	0.2	0
54	Lactate Threshold Velocity At 4 mMol/l Does Not Maintain Blood Lactate Levels During Steady State Intensity. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 325-325.	0.2	0

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55	Blood Flow Patterns during Flow-Mediated Dilation. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 489-489.	0.2	0
56	Comparison Of Oxyhemoglobin, Deoxyhemoglobin, Tissue Oxygen Saturation, And Venous Occlusion Plethysmography. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 801-801.	0.2	0
57	Special Issue Guest Editorial: Basic and Applied Physiology Research. <i>Cardiopulmonary Physical Therapy Journal</i> , 2021, 32, 2-2.	0.2	0
58	Blood Lactate Steady State During High Intensity Interval Training Could Be Sustained Over Continuous Maximal Lactate Steady State. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 39-39.	0.2	0
59	Estimation Of Skeletal Muscle Tissue In Athletes Using Dual X Ray Absorptiometry, Anthropometry, And Bioelectrical Impedance. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 125-125.	0.2	0
60	Keeping the Torch Burning. <i>Cardiopulmonary Physical Therapy Journal</i> , 2021, 32, 129-129.	0.2	0
61	Determination of Central Arterial Pulse Wave Velocity from Pulse Wave Analysis. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S91.	0.2	0
62	Validation Of A Novel Wristband Micromanometer Used For Applanation Tonometry. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 69-70.	0.2	0
63	The Acute Effects Of Smokeless Tobacco On Central Hemodynamics. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 70.	0.2	0
64	Changes in in vivo renal artery hemodynamics after exercise training. <i>FASEB Journal</i> , 2011, 25, lb439.	0.2	0
65	Endothelial cell oxidative stress decreases after short-term, moderate-intensity exercise training. <i>FASEB Journal</i> , 2011, 25, 1056.2.	0.2	0
66	Aerobic exercise affects body weight differently in young and old rats. <i>FASEB Journal</i> , 2012, 26, lb731.	0.2	0
67	Local adiponectin production in skeletal muscle resistance arteries: effects of exercise and shear stress. <i>FASEB Journal</i> , 2012, 26, 681.6.	0.2	0
68	Assessment of an APS PhUn week activity in second grade school children of a rural area (531.22). <i>FASEB Journal</i> , 2014, 28, 531.22.	0.2	0
69	Exertional Rhabdomyolysis. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 199-200.	0.2	0
70	Rate of Perceived Exertion is not a Surrogate of Blood Lactate during Graded Exercise Test. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 841.	0.2	0
71	Reaction Time as a Physiological Process in Fourth Grade Students. <i>FASEB Journal</i> , 2015, 29, 541.12.	0.2	0
72	How to teach physiology to 4 th grade children? High Tech PhUn!. <i>FASEB Journal</i> , 2015, 29, 541.11.	0.2	0

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73	The Cardiovascular System for Fourth Graders: Heart Rate and Physical Activity during PhUn Week. FASEB Journal, 2015, 29, 541.13.	0.2	0
74	Measuring Brain Activity in Fourth Grade Students Through Biopac Science Lab. FASEB Journal, 2015, 29, 541.14.	0.2	0
75	Abstract P243: Endothelial Function, Arterial Stiffness and Central Blood Pressure are Not Affected by a Single Dose of Dietary Nitrate in Healthy Normotensive Females. Circulation, 2018, 137, .	1.6	0
76	Abstract P242: Dietary Nitrate Does not Reduce Resting Metabolic Rate or Oxidative Stress in Healthy Males. Circulation, 2018, 137, .	1.6	0
77	Effects of Exercise-Induced Shear Stress on Endothelial Gene Expression. FASEB Journal, 2018, 32, .	0.2	0
78	Middle School Females Have More Efficient Multitasking Abilities than Males. FASEB Journal, 2018, 32, 629.5.	0.2	0
79	PhUn week 101: New Institution, New Partners, New Hope. FASEB Journal, 2018, 32, 629.9.	0.2	0
80	Acute Dietary Nitrate Supplementation has no Significant Effect on Wasted Left Ventricular Energy in Young Healthy Individuals. Medicine and Science in Sports and Exercise, 2018, 50, 592.	0.2	0
81	Blood Lactate Steady state Level Sustained During Rest Time In Moderate Intensity Interval Training. Medicine and Science in Sports and Exercise, 2018, 50, 137-138.	0.2	0
82	PhUn Week: Bigger and Better. FASEB Journal, 2019, 33, 766.15.	0.2	0
83	Differences in Exercise-Induced Blood Flow Patterns between Apparently Healthy Female and Male Subjects. FASEB Journal, 2019, 33, 534.4.	0.2	0
84	Heart Rate Differences in Males and Females during Similar Physiological Work. FASEB Journal, 2019, 33, 534.5.	0.2	0
85	Reliability of a Novel Ultrasound Transducer Holder for Flow-Mediated Dilatation. FASEB Journal, 2020, 34, 1-1.	0.2	0
86	PhUn Day: Third Times a Charm. FASEB Journal, 2020, 34, 1-1.	0.2	0
87	Effects of in Vitro Exercise-Induced Endothelial Shear Stress on Oxidative Stress and Vasoconstriction Gene Expression. FASEB Journal, 2020, 34, 1-1.	0.2	0
88	Effects Of Boxing Training On Peripheral And Central Blood Pressure And Arterial Stiffness In Prehypertension. Medicine and Science in Sports and Exercise, 2020, 52, 799-799.	0.2	0
89	Endothelial shear stress in the common carotid artery during boxing training in prehypertension. FASEB Journal, 2020, 34, 1-1.	0.2	0
90	Blood Lactate Steady State Is Maintained During Moderate Intensity Interval Training Depending Rest Time Duration. Medicine and Science in Sports and Exercise, 2020, 52, 834-834.	0.2	0

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91	Boxing Training Effects On Cardiorespiratory Fitness In Individuals With Prehypertension. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 440-441.	0.2	0
92	Endothelial Shear Stress In The Common Carotid Artery During Boxing Training. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 222-222.	0.2	0
93	Vo 2 Max And Ventilatory Threshold Comparison Between Boxing And Arm-crank Exercise Tests. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 54-54.	0.2	0
94	Boxing Training Effects On Brachial And Popliteal Endothelial Function In Prehypertensive Individuals. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 798-799.	0.2	0
95	New Year, New Volume, New Cover, Same High-Quality Relevant Research. <i>Cardiopulmonary Physical Therapy Journal</i> , 2022, 33, 1-1.	0.2	0
96	Current Research, Exciting Future. <i>Cardiopulmonary Physical Therapy Journal</i> , 2022, 33, 49-49.	0.2	0
97	Higher Levels of Shear Stress Downregulate Endothelinâ€”1 mRNA Expression. <i>FASEB Journal</i> , 2022, 36, .	0.2	0