

Jesse C Craig

List of Publications by Year in descending order

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54
papers

846
citations

516710

16
h-index

526287

27
g-index

54
all docs

54
docs citations

54
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for animal exercise and training protocols for cardiovascular studies. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1100-H1138.	3.2	66
2	Influence of blood flow occlusion on the development of peripheral and central fatigue during small muscle mass handgrip exercise. Journal of Physiology, 2015, 593, 4043-4054.	2.9	65
3	Dynamics of middle cerebral artery blood flow velocity during moderate-intensity exercise. Journal of Applied Physiology, 2017, 122, 1125-1133.	2.5	57
4	Influence of duty cycle on the power-duration relationship: Observations and potential mechanisms. Respiratory Physiology and Neurobiology, 2014, 192, 102-111.	1.6	56
5	Effect of healthy aging and sex on middle cerebral artery blood velocity dynamics during moderate-intensity exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H492-H501.	3.2	54
6	Influence of blood flow occlusion on muscle oxygenation characteristics and the parameters of the power-duration relationship. Journal of Applied Physiology, 2015, 118, 880-889.	2.5	48
7	Effect of adipose tissue thickness, muscle site, and sex on near-infrared spectroscopy derived total-[hemoglobin + myoglobin]. Journal of Applied Physiology, 2017, 123, 1571-1578.	2.5	48
8	Skeletal muscle microvascular and interstitial from rest to contractions. Journal of Physiology, 2018, 596, 869-883.	2.9	42
9	Dietary nitrate supplementation: impact on skeletal muscle vascular control in exercising rats with chronic heart failure. Journal of Applied Physiology, 2016, 121, 661-669.	2.5	34
10	Exercise intensity and middle cerebral artery dynamics in humans. Respiratory Physiology and Neurobiology, 2019, 262, 32-39.	1.6	30
11	Skeletal muscle interstitial O_2 pressures: bridging the gap between the capillary and myocyte. Microcirculation, 2019, 26, e12497.	1.8	29
12	Effect of dietary nitrate supplementation on conduit artery blood flow, muscle oxygenation, and metabolic rate during handgrip exercise. Journal of Applied Physiology, 2018, 125, 254-262.	2.5	28
13	The relationship between critical speed and the respiratory compensation point: Coincidence or equivalence. European Journal of Sport Science, 2015, 15, 631-639.	2.7	26
14	Central and peripheral factors mechanistically linked to exercise intolerance in heart failure with reduced ejection fraction. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H434-H444.	3.2	24
15	The Respiratory Compensation Point and the Deoxygenation Break Point Are Not Valid Surrogates for Critical Power and Maximum Lactate Steady State. Medicine and Science in Sports and Exercise, 2018, 50, 2379-2382.	0.4	23
16	Impact of presymptomatic COVID-19 on vascular and skeletal muscle function: a case study. Journal of Applied Physiology, 2021, 130, 1961-1970.	2.5	17
17	$\dot{V}O_2$ expenditure and reconstitution during severe intensity constant power exercise: mechanistic insight into the determinants of $\dot{V}O_2$. Physiological Reports, 2016, 4, e12856.	1.7	15
18	Transcapillary PO_2 gradients in contracting muscles across the fibre type and oxidative continuum. Journal of Physiology, 2020, 598, 3187-3202.	2.9	15

#	ARTICLE	IF	CITATIONS
19	Relationship between simulated extravehicular activity tasks and measurements of physical performance. <i>Respiratory Physiology and Neurobiology</i> , 2014, 203, 19-27.	1.6	14
20	Effect of sodium nitrite on local control of contracting skeletal muscle microvascular oxygen pressure in healthy rats. <i>Journal of Applied Physiology</i> , 2017, 122, 153-160.	2.5	13
21	Sexual dimorphism in the control of skeletal muscle interstitial P_{O_2} of heart failure rats: effects of dietary nitrate supplementation. <i>Journal of Applied Physiology</i> , 2019, 126, 1184-1192.	2.5	13
22	Critical Power. , 2019, , 159-181.		11
23	Sex and nitric oxide bioavailability interact to modulate interstitial P_{O_2} in healthy rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2018, 124, 1558-1566.	2.5	10
24	Impact of Acute Dietary Nitrate Supplementation during Exercise in Hypertensive Women. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1014-1021.	0.4	10
25	Vascular KATP channels mitigate severe muscle O_2 delivery-utilization mismatch during contractions in chronic heart failure rats. <i>Respiratory Physiology and Neurobiology</i> , 2017, 238, 33-40.	1.6	9
26	The role of the endothelium in the hyperemic response to passive leg movement: looking beyond nitric oxide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H668-H678.	3.2	9
27	Skeletal muscle interstitial P_{O_2} kinetics during recovery from contractions. <i>Journal of Applied Physiology</i> , 2019, 127, 930-939.	2.5	8
28	ATP-sensitive K^+ channel inhibition in rats decreases kidney and skeletal muscle blood flow without increasing sympathetic nerve discharge. <i>Respiratory Physiology and Neurobiology</i> , 2020, 278, 103444.	1.6	8
29	Upper Body Aerobic Exercise as a Possible Predictor of Lower Body Performance. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 599-605.	0.4	7
30	Considerations for Identifying the Boundaries of Sustainable Performance. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1997.	0.4	7
31	The effect of resting blood flow occlusion on exercise tolerance and \dot{V}_{O_2} . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R684-R691.	1.8	7
32	Use of electromyography to detect muscle exhaustion in finishing barrows fed ractopamine HCl. <i>Journal of Animal Science</i> , 2016, 94, 2344-2356.	0.5	7
33	Prediction of Lunar- and Martian-Based Intra- and Site-to-Site Task Performance. <i>Aerospace Medicine and Human Performance</i> , 2016, 87, 367-374.	0.4	6
34	The dynamic adjustment of mean arterial pressure during exercise: a potential tool for discerning cardiovascular health status. <i>Journal of Applied Physiology</i> , 2021, 130, 1544-1554.	2.5	4
35	Standardized Exercise Tests and Simulated Terrestrial Mission Task Performance. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 982-989.	0.4	4
36	The role of endothelin A receptors in peripheral vascular control at rest and during exercise in patients with hypertension. <i>Journal of Physiology</i> , 2020, 598, 71-84.	2.9	3

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37	The relationship between $\dot{V}O_2$ and peripheral fatigue considered. <i>Experimental Physiology</i> , 2020, 105, 211-212.	2.0	3
38	Systemic NOS inhibition reduces contracting muscle oxygenation more in intact female than male rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 100-101, 38-44.	2.7	3
39	Regulation of capillary hemodynamics by K ATP channels in resting skeletal muscle. <i>Physiological Reports</i> , 2021, 9, e14803.	1.7	3
40	Critical Power: Over 95 years of evidence and evolution. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022, 32, 933-934.	2.9	3
41	Commentaries on Viewpoint: Managing the power grid: How myoglobin can regulate Po ₂ and energy distribution in skeletal muscle. <i>Journal of Applied Physiology</i> , 2019, 126, 791-794.	2.5	2
42	Regulation of Capillary Hemodynamics by K ATP Channels in Resting Skeletal Muscle. <i>FASEB Journal</i> , 2018, 32, 581.8.	0.5	2
43	Beetroot Supplementation Improves Microvascular Hemodynamics and Diffusive Oxygen Transport in Chronic Heart Failure Rats. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 669.	0.4	1
44	Influence of Ischemia on Peripheral and Central Fatigue During Handgrip Exercise. <i>FASEB Journal</i> , 2015, 29, 824.19.	0.5	1
45	The Impact of Short-Term Tetrahydrobiopterin (BH ₄) Supplementation on Peripheral Vascular Function in Heart Failure with Preserved Ejection Fraction (HFpEF). <i>FASEB Journal</i> , 2022, 36, .	0.5	1
46	Low Fitness and High Fatness: The "Double Whammy" on Vascular Health. <i>The Korean Journal of Sports Medicine</i> , 2021, 39, 91-94.	0.2	0
47	Effect of Beetroot Juice Supplementation on Conduit Artery and Microvascular Hemodynamics During Small Muscle Mass Handgrip Exercise. <i>FASEB Journal</i> , 2015, 29, 994.9.	0.5	0
48	Beetroot Supplementation and Small Muscle Mass Handgrip Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 192.	0.4	0
49	Central Cardiac Determinants of the Speed-duration Relationship in Heart Failure Rats. <i>FASEB Journal</i> , 2018, 32, 853.15.	0.5	0
50	Effect of Dietary Nitrate on Blood Pressure and Vascular Control in Postmenopausal Hypertensive Women. <i>FASEB Journal</i> , 2018, 32, 847.15.	0.5	0
51	The Role of Endothelin-1 in Exercising Blood Flow and Blood Pressure Regulation in Patients with Hypertension. <i>FASEB Journal</i> , 2019, 33, 696.11.	0.5	0
52	Distribution Of Passive Leg Movement-induced Hyperemia In Old And Impact Of Occluding The Lower Leg. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 240-240.	0.4	0
53	Pre-fatiguing Isometric Quadriceps Exercise Impairs Contralateral Quadriceps $\dot{V}O_2$ During All-out and Not Target Torque Time to Task Failure Exercise. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
54	Targeting Endogenous Antioxidant Capacity to Prevent Vascular Dysfunction Induced by Limb Immobilization. <i>FASEB Journal</i> , 2022, 36, .	0.5	0