

Joshua R Smith

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

982
citations

393982

19
h-index

552369

26
g-index

71
all docs

71
docs citations

71
times ranked

994
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Intensity Interval Training in Cardiac Rehabilitation. <i>Clinics in Geriatric Medicine</i> , 2019, 35, 469-487.	1.0	51
2	Sex differences in the cardiovascular consequences of the inspiratory muscle metaboreflex. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R574-R581.	0.9	46
3	High-intensity interval training improves metabolic syndrome and body composition in outpatient cardiac rehabilitation patients with myocardial infarction. <i>Cardiovascular Diabetology</i> , 2019, 18, 104.	2.7	43
4	Dysanapsis ratio as a predictor for expiratory flow limitation. <i>Respiratory Physiology and Neurobiology</i> , 2014, 198, 25-31.	0.7	41
5	Influence of Sex, Menstrual Cycle, and Menopause Status on the Exercise Pressor Reflex. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 874-881.	0.2	38
6	High-Intensity Interval Training in Cardiac Rehabilitation: Impact on Fat Mass in Patients With Myocardial Infarction. <i>Mayo Clinic Proceedings</i> , 2019, 94, 1718-1730.	1.4	30
7	Elevated sympathetic vasomotor outflow in response to increased inspiratory muscle activity during exercise is less in young women compared with men. <i>Experimental Physiology</i> , 2018, 103, 570-580.	0.9	29
8	Cardiovascular consequences of the inspiratory muscle metaboreflex: effects of age and sex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1013-H1020.	1.5	28
9	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.	1.2	28
10	Sex Differences in Cardiac Rehabilitation Outcomes. <i>Circulation Research</i> , 2022, 130, 552-565.	2.0	26
11	Does menstrual cycle phase affect lung diffusion capacity during exercise?. <i>Respiratory Physiology and Neurobiology</i> , 2015, 205, 99-104.	0.7	24
12	The noninvasive simultaneous measurement of tissue oxygenation and microvascular hemodynamics during incremental handgrip exercise. <i>Journal of Applied Physiology</i> , 2018, 124, 604-614.	1.2	24
13	Locomotor muscle group III/IV afferents constrain stroke volume and contribute to exercise intolerance in human heart failure. <i>Journal of Physiology</i> , 2020, 598, 5379-5390.	1.3	24
14	Effect of chronic heart failure in older rats on respiratory muscle and hindlimb blood flow during submaximal exercise. <i>Respiratory Physiology and Neurobiology</i> , 2017, 243, 20-26.	0.7	23
15	Resistive and elastic work of breathing in older and younger adults during exercise. <i>Journal of Applied Physiology</i> , 2018, 125, 190-197.	1.2	23
16	Lung volume and expiratory flow rates from pre- to post-puberty. <i>European Journal of Applied Physiology</i> , 2015, 115, 1645-1652.	1.2	22
17	Expiratory flow limitation and operating lung volumes during exercise in older and younger adults. <i>Respiratory Physiology and Neurobiology</i> , 2017, 240, 26-31.	0.7	22
18	The Role of Cardiac Rehabilitation in Reducing Major Adverse Cardiac Events in Heart Transplant Patients. <i>Journal of Cardiac Failure</i> , 2020, 26, 645-651.	0.7	22

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19	Effects of an acute bout of moderate-intensity exercise on postprandial lipemia and airway inflammation. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 284-291.	0.9	21
20	Influence of exercise intensity on respiratory muscle fatigue and brachial artery blood flow during cycling exercise. <i>European Journal of Applied Physiology</i> , 2014, 114, 1767-1777.	1.2	20
21	Ventilatory constraints influence physiological dead space in heart failure. <i>Experimental Physiology</i> , 2019, 104, 70-80.	0.9	20
22	Improved lung function following dietary antioxidant supplementation in exercise-induced asthmatics. <i>Respiratory Physiology and Neurobiology</i> , 2016, 220, 95-101.	0.7	18
23	Predictors of Exercise Capacity in Patients with Hypertrophic Obstructive Cardiomyopathy. <i>Journal of Clinical Medicine</i> , 2018, 7, 447.	1.0	18
24	The effect of exercise training with an additional inspiratory load on inspiratory muscle fatigue and time-trial performance. <i>Respiratory Physiology and Neurobiology</i> , 2016, 230, 54-59.	0.7	17
25	Respiratory muscle blood flow during exercise: Effects of sex and ovarian cycle. <i>Journal of Applied Physiology</i> , 2017, 122, 918-924.	1.2	17
26	Impaired central hemodynamics in chronic obstructive pulmonary disease during submaximal exercise. <i>Journal of Applied Physiology</i> , 2019, 127, 691-697.	1.2	17
27	Exercise ventilatory inefficiency in heart failure and chronic obstructive pulmonary disease. <i>International Journal of Cardiology</i> , 2019, 274, 232-236.	0.8	17
28	The effects of antioxidant vitamin supplementation on expiratory flow rates at rest and during exercise. <i>European Journal of Applied Physiology</i> , 2015, 115, 2049-2058.	1.2	16
29	Microvascular blood flow during vascular occlusion tests assessed by diffuse correlation spectroscopy. <i>Experimental Physiology</i> , 2020, 105, 201-210.	0.9	16
30	Metabolic and mechanoreceptor expression in human heart failure: Relationships with the locomotor muscle afferent influence on exercise responses. <i>Experimental Physiology</i> , 2020, 105, 809-818.	0.9	16
31	Decreased Prevalence of Exercise Expiratory Flow Limitation from Pre- to Postpuberty. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1503-1511.	0.2	15
32	Chronic femoral artery ligation exaggerates the pressor and sympathetic nerve responses during dynamic skeletal muscle stretch in decerebrate rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H246-H254.	1.5	15
33	Inspiratory muscle weakness in cardiovascular diseases: Implications for cardiac rehabilitation. <i>Progress in Cardiovascular Diseases</i> , 2022, 70, 49-57.	1.6	14
34	Household Air Pollution Exposure and Influence of Lifestyle on Respiratory Health and Lung Function in Belizean Adults and Children: A Field Study. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 643.	1.2	13
35	Absence of Respiratory Muscle Fatigue in High-Intensity Continuous or Interval Cycling Exercise. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 3171-3176.	1.0	11
36	Acute supplementation of N-acetylcysteine does not affect muscle blood flow and oxygenation characteristics during handgrip exercise. <i>Physiological Reports</i> , 2016, 4, e12748.	0.7	11

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37	Dietary nitrate supplementation opposes the elevated diaphragm blood flow in chronic heart failure during submaximal exercise. <i>Respiratory Physiology and Neurobiology</i> , 2018, 247, 140-145.	0.7	11
38	Clinical and Rehabilitative Predictors of Peak Oxygen Uptake Following Cardiac Transplantation. <i>Journal of Clinical Medicine</i> , 2019, 8, 119.	1.0	10
39	Predictors of exercise capacity following septal myectomy in patients with hypertrophic cardiomyopathy. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1066-1073.	0.8	10
40	Exercise tolerance through severe and extreme intensity domains. <i>Physiological Reports</i> , 2019, 7, e14014.	0.7	9
41	The Effect of Low Volume Interval Training on Resting Blood Pressure in Pre-hypertensive Subjects: A Preliminary Study. <i>Physician and Sportsmedicine</i> , 2016, 44, 177-183.	1.0	8
42	Does chronic physical activity level modify the airway inflammatory response to an acute bout of exercise in the postprandial period?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 173-180.	0.9	8
43	Respiratory muscle work influences locomotor convective and diffusive oxygen transport in human heart failure during exercise. <i>Physiological Reports</i> , 2020, 8, e14484.	0.7	8
44	Post-prandial systemic 8-isoprostane increases after consumption of moderate and high-fat meals in insufficiently active males. <i>Nutrition Research</i> , 2017, 39, 61-68.	1.3	7
45	Effect of cyclooxygenase inhibition on the inspiratory muscle metaboreflex-induced cardiovascular consequences in men. <i>Journal of Applied Physiology</i> , 2017, 123, 197-204.	1.2	6
46	Intercostal muscle blood flow is elevated in old rats during submaximal exercise. <i>Respiratory Physiology and Neurobiology</i> , 2019, 263, 26-30.	0.7	6
47	Influence of muscular contraction on vascular conductance during exercise above versus below critical power. <i>Respiratory Physiology and Neurobiology</i> , 2021, 293, 103718.	0.7	6
48	Age-Related Differences for Cardiorespiratory Fitness Improvement in Patients Undergoing Cardiac Rehabilitation. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 872757.	1.1	6
49	Impact of varying physical activity levels on airway sensitivity and bronchodilation in healthy humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1287-1293.	0.9	5
50	Bradykinin does not acutely sensitize the reflex pressor response during hindlimb skeletal muscle stretch in decerebrate rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 313, R463-R472.	0.9	5
51	Ventilatory Limitation of Exercise in Pediatric Subjects Evaluated for Exertional Dyspnea. <i>Frontiers in Physiology</i> , 2019, 10, 20.	1.3	5
52	Exercise Ventilatory Efficiency in Older and Younger Heart Failure Patients With Preserved Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2019, 25, 278-285.	0.7	5
53	The Association of Sleep Apnea and Cardiorespiratory Fitness With Long-Term Major Cardiovascular Events. <i>Mayo Clinic Proceedings</i> , 2021, 96, 636-647.	1.4	5
54	Alveolar Air and O ₂ Uptake During Exercise in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2018, 24, 695-705.	0.7	4

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55	The Influence of Sex Differences on Cardiopulmonary Exercise Metrics Following Heart Transplant. Canadian Journal of Cardiology, 2020, 36, 54-59.	0.8	3
56	The Prevalence of Expiratory Flow Limitation in Youth Elite Male Cyclists. Medicine and Science in Sports and Exercise, 2020, 52, 1933-1939.	0.2	3
57	Influence of locomotor muscle group III/IV afferents on cardiovascular and ventilatory responses in human heart failure during submaximal exercise. Journal of Applied Physiology, 2022, 132, 903-914.	1.2	3
58	Left ventricular strain rate is reduced during voluntary apnea in healthy humans. Journal of Applied Physiology, 2017, 123, 1730-1737.	1.2	2
59	Older women exhibit greater airway 8-isoprostane responses to strenuous exercise compared with older men and younger controls. Applied Physiology, Nutrition and Metabolism, 2018, 43, 497-503.	0.9	2
60	Type II diabetes accentuates diaphragm blood flow increases during submaximal exercise in the rat. Respiratory Physiology and Neurobiology, 2020, 281, 103518.	0.7	2
61	Cardiac Rehabilitation Referral and Participation Rates for Heart Failure With Reduced Ejection Fraction. Journal of Cardiopulmonary Rehabilitation and Prevention, 2021, 41, 126-127.	1.2	2
62	Exercise training decreases intercostal and transversus abdominis muscle blood flows in heart failure rats during submaximal exercise. Respiratory Physiology and Neurobiology, 2021, 292, 103710.	0.7	2
63	Comment on: "Sex Dimorphism of $\dot{V}_{O_{2\max}}$ Trainability: A Systematic Review and Meta-analysis". Sports Medicine, 2020, 50, 1047-1048.	3.1	2
64	Cardiorespiratory Responses During High-Intensity Interval Training Prescribed by Rating of Perceived Exertion in Patients After Myocardial Infarction Enrolled in Early Outpatient Cardiac Rehabilitation. Frontiers in Cardiovascular Medicine, 2021, 8, 772815.	1.1	1
65	Reply to Barbosa and Müller. Experimental Physiology, 2019, 104, 777-778.	0.9	0
66	Combined influence of inspiratory loading and locomotor subsystolic cuff inflation on cardiovascular responses during submaximal exercise. Journal of Applied Physiology, 2020, 128, 1338-1345.	1.2	0
67	The Effect of N-Acetylcysteine on Peripheral Hemodynamics and Fatigue during Exercise. FASEB Journal, 2015, 29, 994.10.	0.2	0
68	Sex Differences in Normal Pulmonary Structure and Function at Rest and During Exercise. Respiratory Medicine, 2016, , 1-26.	0.1	0
69	Deoxyhemoglobin Kinetics During Low Intensity Exercise Step-Transitions in Aging Men and Women. FASEB Journal, 2018, 32, 853.21.	0.2	0
70	Predictors of Rehabilitation Referral Among Cardiovascular Surgical Patients. Frontiers in Cardiovascular Medicine, 2022, 9, 848610.	1.1	0
71	Cutaneous Microvascular Endothelial Function: Effects of Sex and Menopause Stage. FASEB Journal, 2022, 36, .	0.2	0