

Scott K Ferguson

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,032
citations

623734

14
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of nitric oxide in convective and diffusive skeletal muscle microvascular oxygen kinetics. Nitric Oxide - Biology and Chemistry, 2022, 121, 34-44.	2.7	2
2	HDAC6 modulates myofibril stiffness and diastolic function of the heart. Journal of Clinical Investigation, 2022, 132, .	8.2	12
3	Effects of inorganic nitrate supplementation on cardiovascular function and exercise tolerance in heart failure. Journal of Applied Physiology, 2021, 130, 914-922.	2.5	12
4	Exercise training decreases intercostal and transversus abdominis muscle blood flows in heart failure rats during submaximal exercise. Respiratory Physiology and Neurobiology, 2021, 292, 103710.	1.6	2
5	Hemopexin dosing improves cardiopulmonary dysfunction in murine sickle cell disease. Free Radical Biology and Medicine, 2021, 175, 95-107.	2.9	10
6	Commentaries on Viewpoint: The interaction between SARS-CoV-2 and ACE2 may have consequences for skeletal muscle viral susceptibility and myopathies. Journal of Applied Physiology, 2020, 129, 868-871.	2.5	2
7	The effect of dietary nitrate supplementation on the speed-duration relationship in mice with sickle cell disease. Journal of Applied Physiology, 2020, 129, 474-482.	2.5	9
8	Transcapillary PO ₂ gradients in contracting muscles across the fibre type and oxidative continuum. Journal of Physiology, 2020, 598, 3187-3202.	2.9	15
9	Effects of living at moderate altitude on pulmonary vascular function and exercise capacity in mice with sickle cell anaemia. Journal of Physiology, 2019, 597, 1073-1085.	2.9	11
10	Pre-clinical assessment of a water-in-fluorocarbon emulsion for the treatment of pulmonary vascular diseases. Drug Delivery, 2019, 26, 147-157.	5.7	6
11	An Hb-mediated circulating macrophage contributing to pulmonary vascular remodeling in sickle cell disease. JCI Insight, 2019, 4, .	5.0	17
12	Neuronal nitric oxide synthase regulation of skeletal muscle functional hyperemia: exercise training and moderate compensated heart failure. Nitric Oxide - Biology and Chemistry, 2018, 74, 1-9.	2.7	12
13	Impact of cell-free hemoglobin on contracting skeletal muscle microvascular oxygen pressure dynamics. Nitric Oxide - Biology and Chemistry, 2018, 76, 29-36.	2.7	10
14	Dietary nitrate supplementation opposes the elevated diaphragm blood flow in chronic heart failure during submaximal exercise. Respiratory Physiology and Neurobiology, 2018, 247, 140-145.	1.6	11
15	Discrete physiological effects of beetroot juice and potassium nitrate supplementation following 4-wk sprint interval training. Journal of Applied Physiology, 2018, 124, 1519-1528.	2.5	22
16	Pre-clinical application of aerosolized water-in-fluorocarbon emulsion intrapulmonary drug delivery system for targeting pulmonary vascular diseases. FASEB Journal, 2018, 32, 858.1.	0.5	0
17	Impact of cell-free hemoglobin on contracting skeletal muscle oxygen pressure dynamics: Potential therapeutic role of haptoglobin. FASEB Journal, 2018, 32, 853.20.	0.5	0
18	Vascular KATP channels mitigate severe muscle O ₂ delivery-utilization mismatch during contractions in chronic heart failure rats. Respiratory Physiology and Neurobiology, 2017, 238, 33-40.	1.6	9

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19	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
20	Hemoglobin induced cell trauma indirectly influences endothelial TLR9 activity resulting in pulmonary vascular smooth muscle cell activation. <i>PLoS ONE</i> , 2017, 12, e0171219.	2.5	10
21	Fiber Type-Specific Effects of Dietary Nitrate. <i>Exercise and Sport Sciences Reviews</i> , 2016, 44, 53-60.	3.0	107
22	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
23	Modulation of rat skeletal muscle microvascular O ₂ pressure via KATP channel inhibition following the onset of contractions. <i>Respiratory Physiology and Neurobiology</i> , 2016, 222, 48-54.	1.6	6
24	Skeletal Muscle Vascular Control During Exercise. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2016, 21, 201-208.	2.0	20
25	Effects of nitrite infusion on skeletal muscle vascular control during exercise in rats with chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1354-H1360.	3.2	18
26	Acute inhibition of ATP-sensitive K ⁺ channels impairs skeletal muscle vascular control in rats during treadmill exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H1434-H1442.	3.2	15
27	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
28	Sympathetic Neural Contributions to Vascular Control: Role of K _{ATP} Channels. <i>FASEB Journal</i> , 2015, 29, 793.6.	0.5	0
29	Chronic heart failure and nitrate supplementation: Impact on skeletal muscle vascular control in exercising rats. <i>FASEB Journal</i> , 2015, 29, 1055.25.	0.5	0
30	Skeletal muscle microvascular oxygenation dynamics in heart failure: exercise training and nitric oxide-mediated function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H690-H698.	3.2	32
31	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
32	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
33	Skeletal muscle capillary function: contemporary observations and novel hypotheses. <i>Experimental Physiology</i> , 2013, 98, 1645-1658.	2.0	115
34	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
35	Muscle fibre type dependence of neuronal nitric oxide synthase-mediated vascular control in the rat during high speed treadmill running. <i>Journal of Physiology</i> , 2013, 591, 2885-2896.	2.9	42
36	Exercise training and muscle microvascular oxygenation: functional role of nitric oxide. <i>Journal of Applied Physiology</i> , 2012, 113, 557-565.	2.5	39

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37	Exercise training and muscle microvascular oxygenation: role of nitric oxide bioavailability. FASEB Journal, 2012, 26, 860.18.	0.5	0
38	Chronic heart failure (CHF) alters nNOS-mediated control of skeletal muscle contractile function. FASEB Journal, 2012, 26, 860.19.	0.5	0