

# 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	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
2	Skeletal muscle capillary function: contemporary observations and novel hypotheses. <i>Experimental Physiology</i> , 2013, 98, 1645-1658.	2.0	115
3	Fiber Type-Specific Effects of Dietary Nitrate. <i>Exercise and Sport Sciences Reviews</i> , 2016, 44, 53-60.	3.0	107
4	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
5	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
6	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
7	Exercise training and muscle microvascular oxygenation: functional role of nitric oxide. <i>Journal of Applied Physiology</i> , 2012, 113, 557-565.	2.5	39
8	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
9	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
10	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
11	Discrete physiological effects of beetroot juice and potassium nitrate supplementation following 4-wk sprint interval training. <i>Journal of Applied Physiology</i> , 2018, 124, 1519-1528.	2.5	22
12	Skeletal Muscle Vascular Control During Exercise. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2016, 21, 201-208.	2.0	20
13	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
14	An Hb-mediated circulating macrophage contributing to pulmonary vascular remodeling in sickle cell disease. <i>JCI Insight</i> , 2019, 4, .	5.0	17
15	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
16	Transcapillary PO <sub>2</sub> gradients in contracting muscles across the fibre type and oxidative continuum. <i>Journal of Physiology</i> , 2020, 598, 3187-3202.	2.9	15
17	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
18	Neuronal nitric oxide synthase regulation of skeletal muscle functional hyperemia: exercise training and moderate compensated heart failure. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 74, 1-9.	2.7	12

#	ARTICLE	IF	CITATIONS
19	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
20	HDAC6 modulates myofibril stiffness and diastolic function of the heart. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	12
21	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.	1.6	11
22	Effects of living at moderate altitude on pulmonary vascular function and exercise capacity in mice with sickle cell anaemia. <i>Journal of Physiology</i> , 2019, 597, 1073-1085.	2.9	11
23	Impact of cell-free hemoglobin on contracting skeletal muscle microvascular oxygen pressure dynamics. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 76, 29-36.	2.7	10
24	Hemopexin dosing improves cardiopulmonary dysfunction in murine sickle cell disease. <i>Free Radical Biology and Medicine</i> , 2021, 175, 95-107.	2.9	10
25	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
26	Vascular KATP channels mitigate severe muscle O <sub>2</sub> delivery-utilization mismatch during contractions in chronic heart failure rats. <i>Respiratory Physiology and Neurobiology</i> , 2017, 238, 33-40.	1.6	9
27	The effect of dietary nitrate supplementation on the speed-duration relationship in mice with sickle cell disease. <i>Journal of Applied Physiology</i> , 2020, 129, 474-482.	2.5	9
28	Modulation of rat skeletal muscle microvascular O <sub>2</sub> pressure via KATP channel inhibition following the onset of contractions. <i>Respiratory Physiology and Neurobiology</i> , 2016, 222, 48-54.	1.6	6
29	Pre-clinical assessment of a water-in-fluorocarbon emulsion for the treatment of pulmonary vascular diseases. <i>Drug Delivery</i> , 2019, 26, 147-157.	5.7	6
30	Commentaries on Viewpoint: The interaction between SARS-CoV-2 and ACE2 may have consequences for skeletal muscle viral susceptibility and myopathies. <i>Journal of Applied Physiology</i> , 2020, 129, 868-871.	2.5	2
31	Exercise training decreases intercostal and transversus abdominis muscle blood flows in heart failure rats during submaximal exercise. <i>Respiratory Physiology and Neurobiology</i> , 2021, 292, 103710.	1.6	2
32	Role of nitric oxide in convective and diffusive skeletal muscle microvascular oxygen kinetics. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, 121, 34-44.	2.7	2
33	Exercise training and muscle microvascular oxygenation: role of nitric oxide bioavailability. <i>FASEB Journal</i> , 2012, 26, 860.18.	0.5	0
34	Chronic heart failure (CHF) alters nNOS-mediated control of skeletal muscle contractile function. <i>FASEB Journal</i> , 2012, 26, 860.19.	0.5	0
35	Sympathetic Neural Contributions to Vascular Control: Role of K <sup>ATP</sup> Channels. <i>FASEB Journal</i> , 2015, 29, 793.6.	0.5	0
36	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

#	ARTICLE	IF	CITATIONS
37	Pre-clinical application of aerosolized water-in-oil fluorocarbon emulsion intrapulmonary drug delivery system for targeting pulmonary vascular diseases. FASEB Journal, 2018, 32, 858.1.	0.5	0
38	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