

Donal S O'leary

List of Publications by Year in descending order

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72
papers

2,103
citations

201674

27
h-index

254184

43
g-index

73
all docs

73
docs citations

73
times ranked

1292
citing authors

#	ARTICLE	IF	CITATIONS
1	Spinal Reflex Control of Arterial Blood Pressure: The Role of TRP Channels and Their Endogenous Eicosanoid Modulators. <i>Frontiers in Physiology</i> , 2022, 13, 838175.	2.8	4
2	Arterial Baroreflex Inhibits Muscle Metaboreflex Induced Increases in Effective Arterial Elastance: Implications for Ventricular-Vascular Coupling. <i>Frontiers in Physiology</i> , 2022, 13, 841076.	2.8	5
3	Ventricular-Vascular Uncoupling in Heart Failure: Effects of Arterial Baroreflex-Induced Sympathoexcitation at Rest and During Exercise. <i>Frontiers in Physiology</i> , 2022, 13, 835951.	2.8	5
4	Purinergic receptor antagonism: A viable strategy for the management of autonomic dysreflexia?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021, 230, 102741.	2.8	1
5	Ventricular contraction and relaxation rates during muscle metaboreflex activation in heart failure: are they coupled?. <i>Experimental Physiology</i> , 2021, 106, 401-411.	2.0	10
6	Chronic ablation of TRPV1-sensitive skeletal muscle afferents attenuates the muscle metaboreflex. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R385-R395.	1.8	11
7	Clinical safety of blood flow-restricted training? A comprehensive review of altered muscle metaboreflex in cardiovascular disease during ischemic exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H90-H109.	3.2	59
8	Recent advances in exercise pressor reflex function in health and disease. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2020, 228, 102698.	2.8	47
9	Muscle metaboreflex-induced increases in effective arterial elastance: effect of heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R1-R10.	1.8	12
10	Guidelines for animal exercise and training protocols for cardiovascular studies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1100-H1138.	3.2	66
11	Development of a decerebrate model for investigating mechanisms mediating viscerosympathetic reflexes in the spinalized rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1332-H1340.	3.2	4
12	Muscle metaboreflex-induced central blood volume mobilization in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1047-H1052.	3.2	11
13	Muscle metaboreflex-induced vasoconstriction in the ischemic active muscle is exaggerated in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H11-H18.	3.2	33
14	Colocalization of A _{2a} but not A ₁ adenosine receptors with GABA-ergic neurons in cardiopulmonary chemoreflex network in the caudal nucleus of the solitary tract. <i>Physiological Reports</i> , 2018, 6, e13913.	1.7	3
15	Neural Control of Cardiovascular Function During Exercise in Hypertension. <i>Frontiers in Physiology</i> , 2018, 9, 1829.	2.8	6
16	Altered arterial baroreflex-muscle metaboreflex interaction in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1383-H1392.	3.2	18
17	Role of endothelial nitric oxide in control of peripheral vascular conductance during muscle metaboreflex activation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 313, R29-R34.	1.8	3
18	Exaggerated coronary vasoconstriction limits muscle metaboreflex-induced increases in ventricular performance in hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H68-H79.	3.2	18

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19	Interaction between the muscle metaboreflex and the arterial baroreflex in control of arterial pressure and skeletal muscle blood flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H1268-H1276.	3.2	23
20	Reply to "Letter to the editor: Applying the blood flow restriction pressure: the elephant in the room". <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H134-H135.	3.2	1
21	NTS adenosine A _{2a} receptors inhibit the cardiopulmonary chemoreflex control of regional sympathetic outputs via a GABAergic mechanism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H185-H197.	3.2	10
22	Muscle metaboreflex activation during dynamic exercise vasoconstricts ischemic active skeletal muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H2145-H2151.	3.2	26
23	Muscle metaboreflex activation during dynamic exercise evokes epinephrine release resulting in $\dot{V}O_2$ -mediated vasodilation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H524-H529.	3.2	28
24	Neural control of circulation and exercise: a translational approach disclosing interactions between central command, arterial baroreflex, and muscle metaboreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H381-H392.	3.2	90
25	The pathophysiology of hypertensive acute heart failure. <i>Heart</i> , 2015, 101, 1861-1867.	2.9	53
26	Attenuated muscle metaboreflex-induced pressor response during postexercise muscle ischemia in renovascular hypertension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R650-R658.	1.8	10
27	Blood flow restriction training and the exercise pressor reflex: a call for concern. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1440-H1452.	3.2	166
28	Neural Regulation of Cardiovascular Response to Exercise: Role of Central Command and Peripheral Afferents. <i>BioMed Research International</i> , 2014, 2014, 1-20.	1.9	144
29	Severe hemorrhage attenuates cardiopulmonary chemoreflex control of regional sympathetic outputs via NTS adenosine receptors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H904-H909.	3.2	6
30	Nucleus tractus solitarius A _{2a} adenosine receptors inhibit cardiopulmonary chemoreflex control of sympathetic outputs. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2014, 180, 32-42.	2.8	7
31	Stimulation of the cardiopulmonary baroreflex enhances ventricular contractility in awake dogs: a mathematical analysis study. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R455-R464.	1.8	7
32	Hypertension impairs spontaneous baroreflex heart rate control during exercise and muscle metaboreflex activation (1132.9). <i>FASEB Journal</i> , 2014, 28, 1132.9.	0.5	0
33	Attenuated muscle metaboreflex-induced increases in cardiac function in hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1548-H1554.	3.2	19
34	Role of cardiac output versus peripheral vasoconstriction in mediating muscle metaboreflex pressor responses: dynamic exercise versus postexercise muscle ischemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R657-R663.	1.8	38
35	Muscle metaboreflex-induced coronary vasoconstriction limits ventricular contractility during dynamic exercise in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H1029-H1037.	3.2	36
36	Muscle metaboreflex-induced increases in ventricular performance are limited in hypertension due to exaggerated coronary vasoconstriction. <i>FASEB Journal</i> , 2013, 27, 1118.16.	0.5	1

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37	Severe hemorrhage attenuates cardiopulmonary chemoreflex (CCR) control of renal and adrenal sympathetic nerves via adenosine operating in the nucleus of the solitary tract (NTS). <i>FASEB Journal</i> , 2013, 27, 1118.13.	0.5	1
38	Immunohistochemistry confirms the functional evidence that the cardiopulmonary chemoreflex (CCR) pathways in the caudal nucleus of the solitary tract (cNTS) are directly inhibited by A ₁ adenosine receptors and indirectly inhibited by A _{2a} receptors via GABA release. <i>FASEB Journal</i> , 2013, 27, 1118.15.	0.5	0
39	Dynamic cardiac output regulation at rest, during exercise, and muscle metaboreflex activation: impact of congestive heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R757-R768.	1.8	13
40	Role of cardiac output vs. peripheral vasoconstriction in mediating the muscle metaboreflex pressor response during dynamic exercise and post-exercise muscle ischemia. <i>FASEB Journal</i> , 2012, 26, 1091.45.	0.5	0
41	Neural and humoral control of regional vascular beds via A ₁ adenosine receptors located in the nucleus tractus solitarii. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R744-R755.	1.8	9
42	Pilot investigation of the cardiopulmonary baroreflex control of ventricular contractility. <i>FASEB Journal</i> , 2011, 25, 645.10.	0.5	0
43	Muscle metaboreflex-induced coronary vasoconstriction functionally limits increases in ventricular contractility. <i>Journal of Applied Physiology</i> , 2010, 109, 271-278.	2.5	34
44	Modulation of cardiac output alters the mechanisms of the muscle metaboreflex pressor response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H245-H250.	3.2	48
45	Dynamic control of maximal ventricular elastance via the baroreflex and force-frequency relation in awake dogs before and after pacing-induced heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H62-H69.	3.2	9
46	Mechanisms Mediating Heart Rate (HR) Responses Evoked by Activation of NTS A ₁ Adenosine Receptors. <i>FASEB Journal</i> , 2010, 24, 624.6.	0.5	0
47	Activation of NTS A _{2a} Adenosine Receptors Impairs Cardiopulmonary Chemoreflex Control of Renal (RSNA), Adrenal (ASNA) and Lumbar (LSNA) Sympathetic Nerve Activity. <i>FASEB Journal</i> , 2010, 24, 624.11.	0.5	0
48	Spontaneous baroreflex control of heart rate during exercise and muscle metaboreflex activation in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1929-H1936.	3.2	24
49	Muscle metaboreflex attenuates spontaneous heart rate baroreflex sensitivity during dynamic exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2867-H2873.	3.2	28
50	Heart failure attenuates muscle metaboreflex control of ventricular contractility during dynamic exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2159-H2166.	3.2	31
51	Muscle metaboreflex-induced increases in cardiac sympathetic activity vasoconstrict the coronary vasculature. <i>Journal of Applied Physiology</i> , 2007, 103, 190-194.	2.5	26
52	Activation of NTS A ₁ Adenosine Receptors Differentially Resets Baroreflex Control of Adrenal (ASNA) and Renal (RSNA) Sympathetic Nerve Activity. <i>FASEB Journal</i> , 2007, 21, A466.	0.5	1
53	Cardiovascular responses to exercise and muscle metaboreflex activation during the recovery from pacing-induced heart failure. <i>Journal of Applied Physiology</i> , 2006, 101, 14-22.	2.5	18
54	Altered reflex cardiovascular control during exercise in heart failure: animal studies. <i>Experimental Physiology</i> , 2006, 91, 73-77.	2.0	46

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55	Point: The muscle metaboreflex does restore blood flow to contracting muscles. <i>Journal of Applied Physiology</i> , 2006, 100, 357-361.	2.5	20
56	Muscle metaboreflex control of ventricular contractility during dynamic exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H751-H757.	3.2	66
57	Stimulation of NTS A1 adenosine receptors evokes counteracting effects on hindlimb vasculature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2536-H2542.	3.2	16
58	Attenuated arterial baroreflex buffering of muscle metaboreflex in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2416-H2423.	3.2	36
59	Altered muscle metaboreflex control of coronary blood flow and ventricular function in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H1381-H1388.	3.2	45
60	Arterial baroreflex alters strength and mechanisms of muscle metaboreflex during dynamic exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H1374-H1380.	3.2	68
61	Heart failure alters the strength and mechanisms of arterial baroreflex pressor responses during dynamic exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1682-H1688.	3.2	23
62	Impaired muscle metaboreflex-induced increases in ventricular function in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H2612-H2618.	3.2	58
63	Muscle metaboreflex control of coronary blood flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H526-H532.	3.2	26
64	Severe exercise alters the strength and mechanisms of the muscle metaboreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1645-H1652.	3.2	81
65	Carotid baroreflex pressor responses at rest and during exercise: cardiac output vs. regional vasoconstriction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H642-H648.	3.2	47
66	Mechanisms mediating NTS P2x receptor-evoked hypotension: cardiac output vs. total peripheral resistance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H2198-H2203.	3.2	9
67	Alteration of humoral and peripheral vascular responses during graded exercise in heart failure. <i>Journal of Applied Physiology</i> , 2001, 90, 55-61.	2.5	53
68	Experimental Biology 2000 Symposium on Differential Control of Sympathetic Outflow DIFFERENTIAL PATTERNS OF SYMPATHETIC RESPONSES TO SELECTIVE STIMULATION OF NUCLEUS TRACTUS SOLITARIUS PURINERGIC RECEPTOR SUBTYPES. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2001, 28, 120-124.	1.9	51
69	NTS A2a purinoceptor activation elicits hindlimb vasodilation primarily via a $\hat{1}^2$ -adrenergic mechanism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1775-H1782.	3.2	24
70	Endothelin-1 in hypertension in the baroreflex-intact SHR: a role independent from vasopressin release. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E18-E24.	3.5	10
71	Muscle metaboreflex control of cardiac output and peripheral vasoconstriction exhibit different latencies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H530-H537.	3.2	41
72	Heart failure alters the strength and mechanisms of the muscle metaboreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H818-H828.	3.2	101