Darren P Casey

List of Publications by Year
in descending order

127 papers	3,538 citations	136950 32 h-index	155660 55 g-index
127 all docs	127 docs citations	127 times ranked	3789 citing authors

#	Article	IF	Citations
1	Combined inorganic nitrate/nitrite supplementation blunts Î±-mediated vasoconstriction during exercise in patients with type 2 diabetes. Nitric Oxide - Biology and Chemistry, 2022, 118, 17-25.	2.7	5
2	Sodium nitrate supplementation improves blood pressure reactivity in patients with peripheral artery disease. Nutrition, Metabolism and Cardiovascular Diseases, 2022, 32, 710-714.	2.6	3
3	Dietary Inorganic Nitrate/Nitrite Supplementation Reduces Central and Peripheral Blood Pressure in Patients With Type 2 Diabetes Mellitus. American Journal of Hypertension, 2022, 35, 803-809.	2.0	6
4	Arterial Stiffness Predicts General Anesthesiaâ€“Induced Vasopressor-Resistant Hypotension in Patients Taking Angiotensin-Converting Enzyme Inhibitors. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 73-80.	1.3	7
5	Acute inorganic nitrate supplementation and the hypoxic ventilatory response in patients with obstructive sleep apnea. Journal of Applied Physiology, 2021, 130, 87-95.	2.5	8
6	Sex-related differences in rapid-onset vasodilation: impact of aging. Journal of Applied Physiology, 2021, 130, 206-214.	2.5	6
7	Effects of menstrual cycle and menopause on internal carotid artery shear-mediated dilation in women. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H679-H689.	3.2	20
8	Inorganic nitrate supplementation attenuates conduit artery retrograde and oscillatory shear in older adults. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H991-H998.	3.2	6
9	Glycemic management is inversely related to skeletal muscle microvascular endothelial function in patients with type 2 diabetes. Physiological Reports, 2021, 9, e14764.	1.7	4
10	Commentaries on Viewpoint: Differential impact of shear rate in the cerebral and systemic circulation: implications for endothelial function. Journal of Applied Physiology, 2021, 130, 1155-1160.	2.5	1
11	Effect of Age and Acute Exercise on Circulating Angioregulatory Factors. Journal of Aging and Physical Activity, 2021, 29, 423-430.	1.0	6
12	Assessment of resistance vessel function in human skeletal muscle: guidelines for experimental design, Doppler ultrasound, and pharmacology. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H301-H325.	3.2	78
13	Rapidâ€onset vasodilator responses to exercise in humans: Effect of increased baseline blood flow. Experimental Physiology, 2020, 105, 88-95.	2.0	2
14	Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. Journal of Applied Physiology, 2020, 129, 1122-1135.	2.5	8
15	Intermittent hypoxia enhances shear-mediated dilation of the internal carotid artery in young adults. Journal of Applied Physiology, 2020, 129, 603-611.	2.5	25
16	Greater Î±₁-adrenergic-mediated vasoconstriction in contracting skeletal muscle of patients with type 2 diabetes. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H797-H807.	3.2	12
17	Aerobic exercise offsets endothelial dysfunction induced by repetitive consumption of sugar-sweetened beverages in young healthy men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R11-R18.	1.8	8
18	Dietary nitrate does not acutely enhance skeletal muscle blood flow and vasodilation in the lower limbs of older adults during single-limb exercise. European Journal of Applied Physiology, 2020, 120, 1357-1369.	2.5	6

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19	Age-Associated Differences in Central Artery Responsiveness to Sympathoexcitatory Stimuli. American Journal of Hypertension, 2019, 32, 564-569.	2.0	8
20	Greater Î± 1 â€•and Î± 2 â€Adrenergic Mediated Vasoconstriction in Contracting Skeletal Muscle of Type 2 Diabetic Humans. FASEB Journal, 2019, 33, 696.19.	0.5	2
21	Ageâ€Associated Differences in Central Artery Responsiveness to Sympathoexcitation: Influence of Blood Pressure. FASEB Journal, 2019, 33, 838.17.	0.5	0
22	Acute Effects of Interrupting Sitting on Discomfort and Alertness of Office Workers. Journal of Occupational and Environmental Medicine, 2018, 60, 804-809.	1.7	10
23	Ageâ€associated impairments in contractionâ€induced rapidâ€onset vasodilatation within the forearm are independent of mechanical factors. Experimental Physiology, 2018, 103, 728-737.	2.0	3
24	Inorganic nitrate supplementation attenuates peripheral chemoreflex sensitivity but does not improve cardiovagal baroreflex sensitivity in older adults. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H45-H51.	3.2	22
25	Evidence of a greater functional sympatholysis in habitually aerobic trained postmenopausal women. Journal of Applied Physiology, 2018, 124, 583-591.	2.5	12
26	Workplace Strategies to Prevent Sitting-induced Endothelial Dysfunction. Medicine and Science in Sports and Exercise, 2018, 50, 801-808.	0.4	42
27	High-Intensity Exercise Enhances Conduit Artery Vascular Function in Older Adults. Medicine and Science in Sports and Exercise, 2018, 50, 124-130.	0.4	23
28	Reduced blood pressure responsiveness to skeletal muscle metaboreflex activation in older adults following inorganic nitrate supplementation. Nitric Oxide - Biology and Chemistry, 2018, 78, 81-88.	2.7	18
29	Mechanistic insights into the modulatory role of the mechanoreflex on central hemodynamics using passive leg movement in humans. Journal of Applied Physiology, 2018, 125, 545-552.	2.5	10
30	Eight weeks of nitrate supplementation improves blood flow and reduces the exaggerated pressor response during forearm exercise in peripheral artery disease. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H101-H108.	3.2	16
31	Blunted shear-mediated dilation of the internal but not common carotid artery in response to lower body negative pressure. Journal of Applied Physiology, 2018, 124, 1326-1332.	2.5	17
32	Habitual exercise training in older adults offsets the age-related prolongation in leg vasodilator kinetics during single-limb lower body exercise. Journal of Applied Physiology, 2018, 125, 746-754.	2.5	3
33	Impaired modulation of postjunctional Î±₁â€•but not Î±₂â€adrenergic vasoconstriction in contracting forearm muscle of postmenopausal women. Journal of Physiology, 2018, 596, 2507-2519.	2.9	4
34	Hypercapnia-induced shear-mediated dilation in the internal carotid artery is blunted in healthy older adults. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1279-H1286.	3.2	19
35	Inorganic nitrate supplementation enhances functional capacity and lower-limb microvascular reactivity in patients with peripheral artery disease. Nitric Oxide - Biology and Chemistry, 2018, 80, 45-51.	2.7	20
36	Hypercapniaâ€induced Shearâ€mediated Dilation in the Internal Carotid Arteries Is Blunted in Healthy Older Adults. FASEB Journal, 2018, 32, 713.4.	0.5	0

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37	Patterns of Suppressed Mitochondrial Respiration in Isolated Muscle Fibers from Type 2 Diabetics. FASEB Journal, 2018, 32, 618.26.	0.5	0
38	Prolonged Leg Vasodilator Kinetics across an Exercise Transient in Older Adults. FASEB Journal, 2018, 32, 726.8.	0.5	0
39	Aortic Wave Reflection During Orthostatic Challenges: Influence of Body Position and Venous Pooling. American Journal of Hypertension, 2017, 30, 166-172.	2.0	10
40	Vasoconstrictor responsiveness in contracting human muscle: influence of contraction frequency, contractile work, and metabolic rate. European Journal of Applied Physiology, 2017, 117, 1697-1706.	2.5	5
41	Influence of sympathetic nerve activity on aortic hemodynamics and pulse wave velocity in women. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H340-H346.	3.2	46
42	Sympathetic nervous system activation reduces contraction-induced rapid vasodilation in the leg of humans independent of age. Journal of Applied Physiology, 2017, 123, 106-115.	2.5	8
43	Muscle contraction induced arterial shear stress increases endothelial nitric oxide synthase phosphorylation in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H854-H859.	3.2	32
44	Effects of acute dietary nitrate supplementation on aortic blood pressure and aortic augmentation index in young and older adults. Nitric Oxide - Biology and Chemistry, 2016, 59, 21-27.	2.7	35
45	Influence of chronic endurance exercise training on conduit artery retrograde and oscillatory shear in older adults. European Journal of Applied Physiology, 2016, 116, 1931-1940.	2.5	11
46	Chronic endurance exercise training offsets the age-related attenuation in contraction-induced rapid vasodilation. Journal of Applied Physiology, 2016, 120, 1335-1342.	2.5	15
47	Rapid onset vasodilation with single muscle contractions in the leg: influence of age. Physiological Reports, 2015, 3, e12516.	1.7	17
48	Aging is associated with altered vasodilator kinetics in dynamically contracting muscle: role of nitric oxide. Journal of Applied Physiology, 2015, 119, 232-241.	2.5	26
49	Enhanced external counterpulsation reduces indices of central blood pressure and myocardial oxygen demand in patients with left ventricular dysfunction. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 315-320.	1.9	13
50	Regulation of Increased Blood Flow (Hyperemia) to Muscles During Exercise: A Hierarchy of Competing Physiological Needs. Physiological Reviews, 2015, 95, 549-601.	28.8	493
51	Commentaries on Viewpoint: Can elite athletes benefit from dietary nitrate supplementation?. Journal of Applied Physiology, 2015, 119, 762-769.	2.5	15
52	Acute dietary nitrate supplementation enhances compensatory vasodilation during hypoxic exercise in older adults. Journal of Applied Physiology, 2015, 118, 178-186.	2.5	55
53	Impact of Aging on Aortic Wave Reflection during Lower Body Negative Pressure. FASEB Journal, 2015, 29, 649.11.	0.5	0
54	Enhanced External Counterpulsation Reduces Indices of Left Ventricular Wasted Energy and Myocardial Oxygen Demand in Patients with Left Ventricular Dysfunction and Refractory Angina. FASEB Journal, 2015, 29, 952.11.	0.5	0

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55	Relationship between Exercise Capacity and Rapid Vasodilator Responses to Single Skeletal Muscle Contractions in Young and Older Adults. FASEB Journal, 2015, 29, 994.15.	0.5	0
56	Rapid Onset Vasodilation is Blunted with Aging: Evidence for Limb Specificity?. FASEB Journal, 2015, 29, 675.12.	0.5	0
57	Sex Differences in Peripheral Augmentation Index and Arterial Reservoir Pressure during Upper Limb Postural Shifts. Physiology Journal, 2014, 2014, 1-10.	0.4	3
58	Enhanced external counterpulsation improves peripheral resistance artery blood flow in patients with coronary artery disease. Applied Physiology, Nutrition and Metabolism, 2014, 39, 405-408.	1.9	8
59	Acute Effects of a Mixed Meal on Arterial Stiffness and Central Hemodynamics in Healthy Adults. American Journal of Hypertension, 2014, 27, 331-337.	2.0	29
60	Enhanced external counterpulsation improves endothelial function and exercise capacity in patients with ischaemic left ventricular dysfunction. Clinical and Experimental Pharmacology and Physiology, 2014, 41, 628-636.	1.9	24
61	Sex and vasodilator responses to hypoxia at rest and during exercise. Journal of Applied Physiology, 2014, 116, 927-936.	2.5	41
62	Muscle blood flow, hypoxia, and hypoperfusion. Journal of Applied Physiology, 2014, 116, 852-857.	2.5	64
63	Effect of vitamin C on hyperoxia-induced vasoconstriction in exercising skeletal muscle. Journal of Applied Physiology, 2014, 117, 1207-1211.	2.5	13
64	Exercise training improves endothelial function in young prehypertensives. Experimental Biology and Medicine, 2013, 238, 433-441.	2.4	72
65	Exercise Training Reduces Peripheral Arterial Stiffness and Myocardial Oxygen Demand in Young Prehypertensive Subjects. American Journal of Hypertension, 2013, 26, 1093-1102.	2.0	103
66	Roles of nitric oxide and prostaglandins in the hyperemic response to a maximal metabolic stimulus: redundancy prevails. European Journal of Applied Physiology, 2013, 113, 1449-1456.	2.5	8
67	Role of nitric oxide and adenosine in the onset of vasodilation during dynamic forearm exercise. European Journal of Applied Physiology, 2013, 113, 295-303.	2.5	17
68	Vasoconstrictor responsiveness during hyperbaric hyperoxia in contracting human muscle. Journal of Applied Physiology, 2013, 114, 217-224.	2.5	18
69	Aortic pulse wave velocity and reflecting distance estimation from peripheral waveforms in humans: detection of age- and exercise training-related differences. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H135-H142.	3.2	17
70	Relationship between sympathetic nerve activity and aortic wave reflection characteristics in postmenopausal women. Menopause, 2013, 20, 960-966.	2.0	18
71	The Effects of Acute Beta-Adrenergic Blockade on Aortic Wave Reflection in Postmenopausal Women. American Journal of Hypertension, 2013, 26, 503-510.	2.0	8
72	Contribution of nitric oxide in the contraction-induced rapid vasodilation in young and older adults. Journal of Applied Physiology, 2013, 115, 446-455.	2.5	50

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73	Contribution of nitric oxide in the contractionâ€induced rapid vasodilation in young and older adults. FASEB Journal, 2013, 27, 1136.7.	0.5	0
74	Î±-Adrenergic Blockade Unmasks a Greater Compensatory Vasodilation in Hypoperfused Contracting Muscle. Frontiers in Physiology, 2012, 3, 271.	2.8	6
75	Cyclooxygenase inhibition augments central blood pressure and aortic wave reflection in aging humans. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H2629-H2634.	3.2	12
76	Î±-Adrenergic Vasoconstriction Contributes to the Age-Related Increase in Conduit Artery Retrograde and Oscillatory Shear. Hypertension, 2012, 60, 1016-1022.	2.7	46
77	Acute Î²-Adrenergic Blockade Increases Aortic Wave Reflection in Young Men and Women. Hypertension, 2012, 59, 145-150.	2.7	24
78	Enhanced External Counterpulsation for Ischemic Heart Disease. Exercise and Sport Sciences Reviews, 2012, 40, 145-152.	3.0	29
79	Influence of Î±-adrenergic vasoconstriction on the blunted skeletal muscle contraction-induced rapid vasodilation with aging. Journal of Applied Physiology, 2012, 113, 1201-1212.	2.5	36
80	Compensatory vasodilatation during hypoxic exercise: mechanisms responsible for matching oxygen supply to demand. Journal of Physiology, 2012, 590, 6321-6326.	2.9	110
81	Comments on Point:Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. Journal of Applied Physiology, 2012, 112, 1788-1794.	2.5	34
82	Ischemic exercise hyperemia in the human forearm: reproducibility and roles of adenosine and nitric oxide. European Journal of Applied Physiology, 2012, 112, 2065-2072.	2.5	7
83	Higher aortic wave reflection is mediated in part by greater autonomic support in older women. FASEB Journal, 2012, 26, 864.11.	0.5	0
84	The effects of acute Î²â€Adrenergic blockade on aortic wave reflection in postâ€menopausal women. FASEB Journal, 2012, 26, .	0.5	0
85	Aging and the effect of autonomic blockade on central and peripheral pulse wave velocity. FASEB Journal, 2012, 26, 1092.1.	0.5	0
86	Local control of skeletal muscle blood flow during exercise: influence of available oxygen. Journal of Applied Physiology, 2011, 111, 1527-1538.	2.5	75
87	Nitric oxide-mediated vasodilation becomes independent of Î²-adrenergic receptor activation with increased intensity of hypoxic exercise. Journal of Applied Physiology, 2011, 110, 687-694.	2.5	31
88	Comments on Point:Counterpoint: High altitude is/is not for the birds!. Journal of Applied Physiology, 2011, 111, 1520-1524.	2.5	1
89	Contribution of adenosine to compensatory dilation in hypoperfused contracting human muscles is independent of nitric oxide. Journal of Applied Physiology, 2011, 110, 1181-1189.	2.5	21
90	Ageing reduces the compensatory vasodilatation during hypoxic exercise: the role of nitric oxide. Journal of Physiology, 2011, 589, 1477-1488.	2.9	38

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91	Effects of Enhanced External Counterpulsation on Arterial Stiffness and Myocardial Oxygen Demand in Patients With Chronic Angina Pectoris. American Journal of Cardiology, 2011, 107, 1466-1472.	1.6	49
92	Relationship Between Muscle Sympathetic Nerve Activity and Aortic Wave Reflection Characteristics in Young Men and Women. Hypertension, 2011, 57, 421-427.	2.7	69
93	Impact of Aging on Conduit Artery Retrograde and Oscillatory Shear at Rest and During Exercise. Hypertension, 2011, 57, 484-489.	2.7	56
94	Association of Age With Timing and Amplitude of Reflected Pressure Waves During Exercise in Men. American Journal of Hypertension, 2011, 24, 415-420.	2.0	11
95	Hyperbaric hyperoxia reduces exercising forearm blood flow in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1892-H1897.	3.2	22
96	Prostaglandins do not contribute to the nitric oxide-mediated compensatory vasodilation in hypoperfused exercising muscle. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H261-H268.	3.2	13
97	Aging reduces the compensatory vasodilation during hypoxic exercise: The role of nitric oxide. FASEB Journal, 2011, 25, 1110.3.	0.5	0
98	Nitric oxide but not prostaglandins is obligatory to the blood flow response during recovery following forearm exercise in humans. FASEB Journal, 2011, 25, 1108.11.	0.5	0
99	Impact of aging on conduit artery retrograde and oscillatory shear at rest and during exercise: Role of nitric oxide. FASEB Journal, 2011, 25, 1056.18.	0.5	0
100	Roles of Nitric Oxide and Prostaglandins in the Hyperemic Response to a Maximal Metabolic Stimulus: Redundancy Prevails. FASEB Journal, 2011, 25, .	0.5	0
101	Nitric oxide contributes to the augmented vasodilatation during hypoxic exercise. Journal of Physiology, 2010, 588, 373-385.	2.9	105
102	Altered microvascular control of exercising skeletal muscle blood flow: the unfortunate male?. Journal of Physiology, 2010, 588, 3851-3852.	2.9	0
103	Relationship between endogenous concentrations of vasoactive substances and measures of peripheral vasodilator function in patients with coronary artery disease. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 24-28.	1.9	15
104	Enhanced External Counterpulsation Improves Peripheral Artery Flow-Mediated Dilation in Patients With Chronic Angina. Circulation, 2010, 122, 1612-1620.	1.6	117
105	Central, peripheral and resistance arterial reactivity: fluctuates during the phases of the menstrual cycle. Experimental Biology and Medicine, 2010, 235, 111-118.	2.4	154
106	Effect of combined inhibition of adenosine and nitric oxide on compensatory vasodilation during exercise with acute hypoperfusion. FASEB Journal, 2010, 24, .	0.5	0
107	Intraâ€individual Reproducibility of Hyperemic Responses to Ischemic Exercise. FASEB Journal, 2010, 24, 804.9.	0.5	0
108	Restoration of blood flow to hypoperfused contracting muscle is related to changes in vascular resistance. FASEB Journal, 2010, 24, 1039.4.	0.5	0

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109	NOS inhibition blunts and delays the compensatory dilation in hypoperfused contracting human muscles. Journal of Applied Physiology, 2009, 107, 1685-1692.	2.5	28
110	Skeletal muscle blood flow responses to hypoperfusion at rest and during rhythmic exercise in humans. Journal of Applied Physiology, 2009, 107, 429-437.	2.5	23
111	Adenosine receptor antagonist and augmented vasodilation during hypoxic exercise. Journal of Applied Physiology, 2009, 107, 1128-1137.	2.5	30
112	The Catecholamines Strike Back What NO Does Not Do. Circulation Journal, 2009, 73, 1783-1792.	1.6	19
113	Changes in central artery blood pressure and wave reflection during a cold pressor test in young adults. European Journal of Applied Physiology, 2008, 103, 539-543.	2.5	29
114	Cardiovascular function in humans during exercise: role of the muscle pump. Journal of Physiology, 2008, 586, 5045-5046.	2.9	13
115	Effect of Enhanced External Counterpulsation on Inflammatory Cytokines and Adhesion Molecules in Patients With Angina Pectoris and Angiographic Coronary Artery Disease. American Journal of Cardiology, 2008, 101, 300-302.	1.6	46
116	Exercise Training Attenuates Progressive Decline in Brachial Artery Reactivity in Heart Transplant Recipients. Journal of Heart and Lung Transplantation, 2008, 27, 52-59.	0.6	46
117	Assessment of Central Arterial Blood Pressure During Exercise: Is it Reproducible?. American Journal of Hypertension, 2008, 21, 1073-1073.	2.0	0
118	Effects of exercise training on forearm and calf vasodilation and proinflammatory markers in recent heart transplant recipients: a pilot study. European Journal of Cardiovascular Prevention and Rehabilitation, 2008, 15, 10-18.	2.8	34
119	Impact of Aging on Central Pressure Wave Reflection Characteristics During Exercise. American Journal of Hypertension, 2008, 21, 419-424.	2.0	55
120	Measuring muscle blood flow: a key link between systemic and regional metabolism. Current Opinion in Clinical Nutrition and Metabolic Care, 2008, 11, 580-586.	2.5	30
121	Effect of Adenosine Receptor Antagonists on Augmented Vasodilation During Hypoxic Exercise. FASEB Journal, 2008, 22, 1173.9.	0.5	0
122	Progressive Resistance Training Without Volume Increases Does Not Alter Arterial Stiffness and Aortic Wave Reflection. Experimental Biology and Medicine, 2007, 232, 1228-1235.	2.4	92
123	Comparison of Alendronate vs Alendronate Plus Mechanical Loading as Prophylaxis for Osteoporosis in Lung Transplant Recipients: a Pilot Study. Journal of Heart and Lung Transplantation, 2007, 26, 132-137.	0.6	60
124	SYSTEMIC PLASMA LEVELS OF NITRITE/NITRATE (NO_X) REFLECT BRACHIAL FLOWâ€MEDIATED DILATION RESPONSES IN YOUNG MEN AND WOMEN. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 1291-1293.	1.9	41
125	Effect of resistance training on arterial wave reflection and brachial artery reactivity in normotensive postmenopausal women. European Journal of Applied Physiology, 2007, 100, 403-408.	2.5	109
126	Measurement of Pulse Wave Velocity and Augmentation Index is Reproducible in Young, Healthy Men. Medicine and Science in Sports and Exercise, 2006, 38, S185-S186.	0.4	5

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127	Growth hormone responses to varying doses of oral arginine. Growth Hormone and IGF Research, 2005, 15, 136-139.	1.1	83