William G Schrage

List of Publications by Year
in descending order

53	1,111	430874	395702
papers	citations	18 h-index	33 g-index

53	53	53	1218
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preserved Î²-adrenergic-mediated vasodilation in skeletal muscle of young adults with obesity despite shifts in cyclooxygenase and nitric oxide synthase. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H25-H35.	3.2	4
2	Nitric oxide synthase inhibition in healthy adults reduces regional and total cerebral macrovascular blood flow and microvascular perfusion. Journal of Physiology, 2021, 599, 4973-4989.	2.9	11
3	Differential contribution of cyclooxygenase to basal cerebral blood flow and hypoxic cerebral vasodilation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R468-R479.	1.8	11
4	Reactive oxygen species and cyclooxygenase products explain the majority of hypoxic cerebral vasodilation in healthy humans. Acta Physiologica, 2019, 226, e13288.	3.8	9
5	Phosphodiesterase-5 inhibition preserves exercise-onset vasodilator kinetics when NOS activity is reduced. Journal of Applied Physiology, 2018, 124, 276-282.	2.5	6
6	Cerebrovascular Regulation During an Insulinâ€Glucose Challenge: Contribution of Nitric Oxide. FASEB Journal, 2018, 32, 712.16.	0.5	0
7	Insulin resistance is associated with lower arterial blood flow and reduced cortical perfusion in cognitively asymptomatic middle-aged adults. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2249-2261.	4.3	46
8	Regional hypoxic cerebral vasodilation facilitated by diameter changes primarily in anterior versus posterior circulation. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2025-2034.	4.3	28
9	Cerebral blood flow regulation in women across menstrual phase: differential contribution of cyclooxygenase to basal, hypoxic, and hypercapnic vascular tone. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R222-R231.	1.8	44
10	Greater Beta-Adrenergic Receptor Mediated Vasodilation in Women Using Oral Contraceptives. Frontiers in Physiology, 2016, 7, 215.	2.8	19
11	Peripheral Blood Flow Regulation in Human Obesity and Metabolic Syndrome. Exercise and Sport Sciences Reviews, 2016, 44, 116-122.	3.0	17
12	Quantitative cerebrovascular 4D flow MRI at rest and during hypercapnia challenge. Magnetic Resonance Imaging, 2016, 34, 422-428.	1.8	23
13	Î²-Adrenergic-mediated vasodilation in young men and women: cyclooxygenase restrains nitric oxide synthase. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H756-H764.	3.2	19
14	Preserved Microvascular Endothelial Function in Young, Obese Adults with Functional Loss of Nitric Oxide Signaling. Frontiers in Physiology, 2015, 6, 387.	2.8	9
15	Cerebrovascular regulation in men and women: stimulus-specific role of cyclooxygenase. Physiological Reports, 2015, 3, e12451.	1.7	33
16	Exercise vasodilation is greater in women: contributions of nitric oxide synthase and cyclooxygenase. European Journal of Applied Physiology, 2015, 115, 1735-1746.	2.5	33
17	Hypoxic Cerebral Vasodilation in Healthy and Metabolic Syndrome Adults: Distinct Interactions between Cyclooxygenase and Reactive Oxygen Species Signaling. FASEB Journal, 2015, 29, 994.12.	0.5	0
18	Neural control of blood flow during exercise in human metabolic syndrome. Experimental Physiology, 2014, 99, 1191-1202.	2.0	16

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19	Increased leg blood flow and improved femoral artery shear patterns in metabolic syndrome after a diet and exercise programme. Clinical Physiology and Functional Imaging, 2014, 34, 282-289.	1.2	5
20	Effect of Î² ₂ -adrenergic receptor polymorphisms on epinephrine and exercise-stimulated lipolysis in humans. Physiological Reports, 2014, 2, e12017.	1.7	2
21	Cyclooxygenase-derived vasoconstriction restrains hypoxia-mediated cerebral vasodilation in young adults with metabolic syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H261-H269.	3.2	14
22	Exercise-mediated vasodilation in human obesity and metabolic syndrome: effect of acute ascorbic acid infusion. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H840-H847.	3.2	9
23	Mechanical and metabolic reflex activation of the sympathetic nervous system in younger adults with metabolic syndrome. Autonomic Neuroscience: Basic and Clinical, 2014, 183, 100-105.	2.8	13
24	Impaired hypoxic cerebral vasodilation in younger adults with metabolic syndrome. Diabetes and Vascular Disease Research, 2013, 10, 135-142.	2.0	13
25	Microvascular function in younger adults with obesity and metabolic syndrome: role of oxidative stress. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H1230-H1237.	3.2	32
26	Respiratory influences on muscle sympathetic nerve activity and limb vascular conductance in the steadyâ€state. FASEB Journal, 2013, 27, 1118.8.	0.5	0
27	Metabolic Syndrome alters the balance of prostaglandins in hypoxiaâ€mediated cerebral vasodilation. FASEB Journal, 2013, 27, 1203.10.	0.5	0
28	Endothelium dependent vasodilation in young, obese adults: contribution of NOS. FASEB Journal, 2013, 27, 1133.1.	0.5	0
29	Reduced contribution of NOS and CO to beta adrenergic vasodilation in obesity. FASEB Journal, 2013, 27, 1133.2.	0.5	0
30	Contributions of nitric oxide and prostaglandins to exercise hyperemia in young obese adults. FASEB Journal, 2013, 27, 1136.5.	0.5	0
31	Altered neurovascular control of the resting circulation in human metabolic syndrome. Journal of Physiology, 2012, 590, 6109-6119.	2.9	16
32	Heterogeneous vascular responses to hypoxic forearm exercise in young and older adults. European Journal of Applied Physiology, 2012, 112, 3087-3095.	2.5	6
33	Effect of obesity and metabolic syndrome on hypoxic vasodilation. European Journal of Applied Physiology, 2012, 112, 699-709.	2.5	9
34	Stimulusâ€specific cerebrovascular dysfunction in humans with metabolic syndrome. FASEB Journal, 2012, 26, 896.2.	0.5	0
35	Paradoxical relationship between alphaâ€adrenergic tone and muscle sympathetic nerve activity in human metabolic syndrome. FASEB Journal, 2012, 26, 1091.33.	0.5	0
36	Hypoxia: just say NO?. Journal of Physiology, 2011, 589, 2111-2112.	2.9	1

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37	Exercise Hyperemia and Acute Ascorbic Acid Infusion in Obesity and Metabolic Syndrome. FASEB Journal, 2011, 25, 1108.7.	0.5	0
38	Muscle blood flow responses to dynamic exercise in young obese humans. Journal of Applied Physiology, 2010, 108, 349-355.	2.5	31
39	Î±-Adrenergic control of blood flow during exercise: effect of sex and menstrual phase. Journal of Applied Physiology, 2010, 109, 1360-1368.	2.5	56
40	Roles of nitric oxide synthase and cyclooxygenase in leg vasodilation and oxygen consumption during prolonged low-intensity exercise in untrained humans. Journal of Applied Physiology, 2010, 109, 768-777.	2.5	34
41	Hypoxic exercise responses in lean and obese humans. FASEB Journal, 2010, 24, 990.7.	0.5	0
42	Endotheliumâ€dependent vasodilatation and exercise hyperaemia in ageing humans: impact of acute ascorbic acid administration. Journal of Physiology, 2009, 587, 1989-2003.	2.9	104
43	Challenges in Exercise Physiology Research and Education. Quest, 2008, 60, 13-18.	1.2	3
44	Ascorbic acid does not influence skeletal muscle contractionâ€induced rapid vasodilation in older healthy humans. FASEB Journal, 2008, 22, 957.3.	0.5	0
45	Ageing reduces nitric-oxide- and prostaglandin-mediated vasodilatation in exercising humans. Journal of Physiology, 2007, 579, 227-236.	2.9	110
46	Systemic hypoxia and vasoconstrictor responsiveness in exercising human muscle. Journal of Applied Physiology, 2006, 101, 1343-1350.	2.5	44
47	Effects of combined inhibition of ATP-sensitive potassium channels, nitric oxide, and prostaglandins on hyperemia during moderate exercise. Journal of Applied Physiology, 2006, 100, 1506-1512.	2.5	28
48	Dietary sodium restriction and Î²2-adrenergic receptor polymorphism modulate cardiovascular function in humans. Journal of Physiology, 2006, 574, 955-965.	2.9	28
49	Effect of aging on resistance to oxidative stress in human endothelial progenitor cells (EPCs). FASEB Journal, 2006, 20, A747.	0.5	0
50	Altered vasodilatory mechanisms during exercise in aging humans. FASEB Journal, 2006, 20, A812.	0.5	0
51	Agonist-dependent variablity of contributions of nitric oxide and prostaglandins in human skeletal muscle. Journal of Applied Physiology, 2005, 98, 1251-1257.	2.5	38
52	Exercise hyperemia and vasoconstrictor responses in humans with cystic fibrosis. Journal of Applied Physiology, 2005, 99, 1866-1871.	2.5	32
53	Local inhibition of nitric oxide and prostaglandins independently reduces forearm exercise hyperaemia in humans. Journal of Physiology, 2004, 557, 599-611.	2.9	155