Barbara J Morgan

List of Publications by Year in Descending Order

76 papers	4,880 citations	36 h-index	69 g-index
79 ext. papers	5,370 ext. citations	5.6 avg, IF	5.31 L-index

#	Paper	IF	Citations
76	The need for specificity in quantifying neurocirculatory vs. respiratory effects of eucapnic hypoxia and transient hyperoxia. *Journal of Physiology*, **2020**, 598, 4803-4819	3.9	13
75	Effects of losartan and allopurinol on cardiorespiratory regulation in obstructive sleep apnoea. *Experimental Physiology*, **2018**, 103, 941-955	2.4	5
74	Cerebrovascular Reactivity in Obstructive Sleep Apnea: Impact of Physical Activity. *FASEB Journal*, **2018**, 32, 712.17	0.9	
73	Effect of Chronic Intermittent Hypoxia on Angiotensin II Receptors in the Central Nervous System. *Clinical and Experimental Hypertension*, **2018**, 1-7	2.2	
72	Revisiting the Debate: Does Exercise Build Strong Bones in the Mature and Senescent Skeleton?. *Frontiers in Physiology*, **2016**, 7, 369	4.6	7
71	Peripheral Blood Flow Regulation in Human Obesity and Metabolic Syndrome. *Exercise and Sport Sciences Reviews*, **2016**, 44, 116-22	6.7	14
70	Chronic intermittent hypoxia alters ventilatory and metabolic responses to acute hypoxia in rats. *Journal of Applied Physiology*, **2016**, 120, 1186-95	3.7	14
69	Oxidative stress augments chemoreflex sensitivity in rats exposed to chronic intermittent hypoxia. *Respiratory Physiology and Neurobiology*, **2016**, 234, 47-59	2.8	19
68	Humans In Hypoxia: A Conspiracy Of Maladaptation?!. *Physiology*, **2015**, 30, 304-16	9.8	49
67	Effects of chronic intermittent hypoxia on allergen-induced airway inflammation in rats. *American Journal of Respiratory Cell and Molecular Biology*, **2015**, 52, 162-70	5.7	38
66	Mechanical and metabolic reflex activation of the sympathetic nervous system in younger adults with metabolic syndrome. *Autonomic Neuroscience: Basic and Clinical*, **2014**, 183, 100-5	2.4	9
65	Quantifying hypoxia-induced chemoreceptor sensitivity in the awake rodent. *Journal of Applied Physiology*, **2014**, 117, 816-24	3.7	27
64	Reply to Joseph. *Journal of Applied Physiology*, **2014**, 117, 1525	3.7	
63	Neural control of blood flow during exercise in human metabolic syndrome. *Experimental Physiology*, **2014**, 99, 1191-202	2.4	14
62	Impaired hypoxic cerebral vasodilation in younger adults with metabolic syndrome. *Diabetes and Vascular Disease Research*, **2013**, 10, 135-42	3.3	12
61	Respiratory influences on muscle sympathetic nerve activity and vascular conductance in the steady state. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 304, H1615-23	5.2	20
60	The sympathetic nervous system and control of resting blood flow in adults with metabolic syndrome **2013**, 36-36		

59	Respiratory influences on muscle sympathetic nerve activity and limb vascular conductance in the steady-state. *FASEB Journal*, **2013**, 27, 1118.8	0.9	
58	Chronic Intermittent Hypoxia Induces Airflow Limitation in a Rodent Model of Allergen-Induced Lower Airway Inflammation. *FASEB Journal*, **2013**, 27, lb797	0.9	1
57	Effect of AT1 receptor blockade on intermittent hypoxia-induced endothelial dysfunction. *Respiratory Physiology and Neurobiology*, **2012**, 183, 67-74	2.8	32
56	Altered neurovascular control of the resting circulation in human metabolic syndrome. *Journal of Physiology*, **2012**, 590, 6109-19	3.9	13
55	Stimulus-specific cerebrovascular dysfunction in humans with metabolic syndrome. *FASEB Journal*, **2012**, 26, 896.2	0.9	
54	Augmented alpha-adrenergic vasoconstriction during exercise in human metabolic syndrome. *FASEB Journal*, **2012**, 26, 1092.4	0.9	
53	Paradoxical relationship between alpha-adrenergic tone and muscle sympathetic nerve activity in human metabolic syndrome. *FASEB Journal*, **2012**, 26, 1091.33	0.9	
52	Xanthine oxidase inhibition attenuates endothelial dysfunction caused by chronic intermittent hypoxia in rats. *Respiration*, **2011**, 82, 458-67	3.7	47
51	Effects of sleep-disordered breathing on cerebrovascular regulation: A population-based study. *American Journal of Respiratory and Critical Care Medicine*, **2010**, 182, 1445-52	10.2	37
50	Pathophysiology of sleep apnea. *Physiological Reviews*, **2010**, 90, 47-112	47.9	1194
49	Pharmacologic approaches for the management of symptoms and cardiovascular consequences of obstructive sleep apnea in adults. *Sleep and Breathing*, **2010**, 14, 307-15	3.1	4
48	Time course of intermittent hypoxia-induced impairments in resistance artery structure and function. *Respiratory Physiology and Neurobiology*, **2010**, 170, 157-63	2.8	24
47	Chronic intermittent hypoxia augments chemoreflex control of sympathetic activity: role of the angiotensin II type 1 receptor. *Respiratory Physiology and Neurobiology*, **2010**, 171, 36-45	2.8	116
46	Effect of AT1 receptor blockade on intermittent hypoxia-induced endothelial dysfunction. *FASEB Journal*, **2010**, 24, 1022.7	0.9	1
45	Exercise: alternative therapy for heart failure-associated sleep apnea?. *Sleep*, **2009**, 32, 585-6	1.1	4
44	Impaired vascular regulation in patients with obstructive sleep apnea: effects of continuous positive airway pressure treatment. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 180, 1143-50	10.2	77
43	Time-dependent adaptation in the hemodynamic response to hypoxia. *Respiratory Physiology and Neurobiology*, **2009**, 165, 90-6	2.8	23
42	Sleep-disordered breathing and obesity: pathophysiology, complications, and treatment. *Nutrition in Clinical Practice*, **2009**, 24, 675-87	3.6	42

41	Influence of cerebral blood flow on breathing stability. *Journal of Applied Physiology*, **2009**, 106, 850-6	3.7	55
40	Carotid chemoreceptor modulation of sympathetic vasoconstrictor outflow during exercise in healthy humans. *Journal of Physiology*, **2008**, 586, 1743-54	3.9	55
39	Cerebrovascular response to arousal from NREM and REM sleep. *Sleep*, **2008**, 31, 321-7	1.1	36
38	Coronary flow velocity changes in response to hypercapnia: assessment by transthoracic Doppler echocardiography. *Journal of the American Society of Echocardiography*, **2007**, 20, 421-6	5.8	17
37	Obstructive sleep apnea and hypertension: mechanisms, evaluation, and management. *Current Hypertension Reports*, **2007**, 9, 529-34	4.7	49
36	Vascular consequences of intermittent hypoxia. *Advances in Experimental Medicine and Biology*, **2007**, 618, 69-84	3.6	37
35	Evidence for a carotid chemoreceptor contribution to exercise-induced sympathetic vasoconstrictor outflow in humans. *FASEB Journal*, **2007**, 21, A566	0.9	
34	Chronic intermittent hypoxia alters NE reactivity and mechanics of skeletal muscle resistance arteries. *Journal of Applied Physiology*, **2006**, 100, 1117-23	3.7	59
33	Cardiovascular consequences of sleep-disordered breathing. *Journal of Cardiopulmonary Rehabilitation and Prevention*, **2006**, 26, 123-30		1
32	Influence of cerebrovascular function on the hypercapnic ventilatory response in healthy humans. *Journal of Physiology*, **2006**, 577, 319-29	3.9	117
31	Differential responses to CO2 and sympathetic stimulation in the cerebral and femoral circulations in humans. *Journal of Physiology*, **2005**, 566, 613-24	3.9	95
30	Cerebrovascular response to carbon dioxide in patients with congestive heart failure. *American Journal of Respiratory and Critical Care Medicine*, **2005**, 172, 371-8	10.2	129
29	Role of sensory input from the lungs in control of muscle sympathetic nerve activity during and after apnea in humans. *Journal of Applied Physiology*, **2004**, 97, 635-40	3.7	25
28	Chronic intermittent hypoxia impairs endothelium-dependent dilation in rat cerebral and skeletal muscle resistance arteries. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 286, H388-93	5.2	108
27	Cardiovascular variability after arousal from sleep: time-varying spectral analysis. *Journal of Applied Physiology*, **2003**, 95, 1394-404	3.7	73
26	Mechanisms of the cerebrovascular response to apnoea in humans. *Journal of Physiology*, **2003**, 548, 323-332	3.9	66
25	Baroreflex-induced sympathetic activation does not alter cerebrovascular CO2 responsiveness in humans. *Journal of Physiology*, **2003**, 551, 609-16	3.9	51
24	Peripheral chemoreflex and baroreflex interactions in cardiovascular regulation in humans. *Journal of Physiology*, **2003**, 552, 295-302	3.9	82

23	Effects of expiratory muscle work on muscle sympathetic nerve activity. *Journal of Applied Physiology*, **2002**, 92, 1539-52	3.7	77
22	Respiratory influences on sympathetic vasomotor outflow in humans. *Respiratory Physiology and Neurobiology*, **2002**, 130, 3-20	2.8	108
21	Effect of Burst-Mode Transcutaneous Electrical Nerve Stimulation on Peripheral Vascular Resistance. *Physical Therapy*, **2001**, 81, 1183-1191	3.3	44
20	Fatiguing inspiratory muscle work causes reflex reduction in resting leg blood flow in humans. *Journal of Physiology*, **2001**, 537, 277-89	3.9	200
19	Exposure to hypoxia produces long-lasting sympathetic activation in humans. *Journal of Applied Physiology*, **2001**, 91, 1555-62	3.7	211
18	Circulatory Responses to Voluntary and Electrically Induced Muscle Contractions in Humans. *Physical Therapy*, **2000**, 80, 53-60	3.3	36
17	Fatiguing inspiratory muscle work causes reflex sympathetic activation in humans. *Journal of Physiology*, **2000**, 529 Pt 2, 493-504	3.9	194
16	Neurocirculatory consequences of intermittent asphyxia in humans. *Journal of Applied Physiology*, **2000**, 89, 1333-9	3.7	84
15	Daytime blood pressure elevation after nocturnal hypoxia. *Journal of Applied Physiology*, **1999**, 87, 689-98	3.7	45
14	Role of respiratory motor output in within-breath modulation of muscle sympathetic nerve activity in humans. *Circulation Research*, **1999**, 85, 457-69	15.7	111
13	Arousal from sleep shortens sympathetic burst latency in humans. *Journal of Physiology*, **1999**, 515 (Pt 2), 621-8	3.9	20
12	Blood pressure perturbations caused by subclinical sleep-disordered breathing. *Sleep*, **1998**, 21, 737-46	1.1	50
11	Effect of transcutaneous electrical nerve stimulation on the pressor response to static handgrip exercise. *Physical Therapy*, **1997**, 77, 28-36	3.3	28
10	Ventilatory response to induced auditory arousals during NREM sleep. *Sleep*, **1997**, 20, 707-14	1.1	35
9	Neural mechanism of the pressor response to obstructive and nonobstructive apnea. *Journal of Applied Physiology*, **1997**, 83, 2048-54	3.7	68
8	Acute and chronic cardiovascular responses to sleep disordered breathing. *Sleep*, **1996**, 19, S206-9	1.1	18
7	Snoring as part of a dose-response relationship between sleep-disordered breathing and blood pressure. *Sleep*, **1996**, 19, S202-5	1.1	82
6	Effect of interference current on forearm vascular resistance in asymptomatic humans. *Physical Therapy*, **1995**, 75, 306-12	3.3	6

5	Hypertension and sleep apnoea. *Journal of Sleep Research*, **1995**, 4, 34-36	5.8	3
4	Effects of high-frequency transcutaneous electrical nerve stimulation on limb blood flow in healthy humans. *Physical Therapy*, **1994**, 74, 361-7	3.3	30
3	Chemoreflex sensitization augments sympathetic vasomotor outflow in awake humans. *Advances in Experimental Medicine and Biology*, **1994**, 360, 269-71	3.6	1
2	Vasovagal syncope after infusion of a vasodilator in a heart-transplant recipient. *New England Journal of Medicine*, **1990**, 322, 602-4	59.2	142
1	Cyclosporine-induced sympathetic activation and hypertension after heart transplantation. *New England Journal of Medicine*, **1990**, 323, 693-9	59.2	367