

# Jacqueline K Limberg

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

1,161  
citations

430874

18  
h-index

454955

30  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1524  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-COVID postural tachycardia syndrome: an American Autonomic Society statement. <i>Clinical Autonomic Research</i> , 2021, 31, 365-368.	2.5	144
2	Assessment of resistance vessel function in human skeletal muscle: guidelines for experimental design, Doppler ultrasound, and pharmacology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H301-H325.	3.2	78
3	Neurovascular control of blood pressure is influenced by aging, sex, and sex hormones. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R1271-R1275.	1.8	64
4	$\hat{\text{I}}\pm$ -Adrenergic control of blood flow during exercise: effect of sex and menstrual phase. <i>Journal of Applied Physiology</i> , 2010, 109, 1360-1368.	2.5	56
5	Respiratory influences on muscle sympathetic nerve activity and vascular conductance in the steady state. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H1615-H1623.	3.2	44
6	Three hours of intermittent hypoxia increases circulating glucose levels in healthy adults. <i>Physiological Reports</i> , 2017, 5, e13106.	1.7	42
7	Aging Alters the Relative Contributions of the Sympathetic and Parasympathetic Nervous System to Blood Pressure Control in Women. <i>Hypertension</i> , 2018, 72, 1236-1242.	2.7	40
8	Roles of nitric oxide synthase and cyclooxygenase in leg vasodilation and oxygen consumption during prolonged low-intensity exercise in untrained humans. <i>Journal of Applied Physiology</i> , 2010, 109, 768-777.	2.5	34
9	Microvascular function in younger adults with obesity and metabolic syndrome: role of oxidative stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1230-H1237.	3.2	32
10	Muscle blood flow responses to dynamic exercise in young obese humans. <i>Journal of Applied Physiology</i> , 2010, 108, 349-355.	2.5	31
11	Effect of Bilateral Carotid Body Resection on Cardiac Baroreflex Control of Blood Pressure During Hypoglycemia. <i>Hypertension</i> , 2015, 65, 1365-1371.	2.7	28
12	Interindividual variability in the dose-specific effect of dopamine on carotid chemoreceptor sensitivity to hypoxia. <i>Journal of Applied Physiology</i> , 2016, 120, 138-147.	2.5	28
13	Role of the carotid body chemoreceptors in glucose homeostasis and thermoregulation in humans. <i>Journal of Physiology</i> , 2018, 596, 3079-3085.	2.9	28
14	Autonomic control during acute hypoglycemia in type 1 diabetes mellitus. <i>Clinical Autonomic Research</i> , 2014, 24, 275-283.	2.5	22
15	Inorganic nitrate supplementation attenuates peripheral chemoreflex sensitivity but does not improve cardiovagal baroreflex sensitivity in older adults. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H45-H51.	3.2	22
16	Is insulin the new intermittent hypoxia?. <i>Medical Hypotheses</i> , 2014, 82, 730-735.	1.5	21
17	Greater Beta-Adrenergic Receptor Mediated Vasodilation in Women Using Oral Contraceptives. <i>Frontiers in Physiology</i> , 2016, 7, 215.	2.8	19
18	$\hat{\text{I}}\pm$ -Adrenergic-mediated vasodilation in young men and women: cyclooxygenase restrains nitric oxide synthase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H756-H764.	3.2	19

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19	Role of the carotid body chemoreceptors in baroreflex control of blood pressure during hypoglycaemia in humans. <i>Experimental Physiology</i> , 2014, 99, 640-650.	2.0	18
20	Sex differences in integrated neurocardiovascular control of blood pressure following acute intermittent hypercapnic hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R626-R636.	1.8	18
21	Peripheral Blood Flow Regulation in Human Obesity and Metabolic Syndrome. <i>Exercise and Sport Sciences Reviews</i> , 2016, 44, 116-122.	3.0	17
22	Insulin increases ventilation during euglycemia in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R84-R89.	1.8	17
23	Altered neurovascular control of the resting circulation in human metabolic syndrome. <i>Journal of Physiology</i> , 2012, 590, 6109-6119.	2.9	16
24	Neural control of blood flow during exercise in human metabolic syndrome. <i>Experimental Physiology</i> , 2014, 99, 1191-1202.	2.0	16
25	Sympathetic neural recruitment strategies following acute intermittent hypoxia in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R961-R971.	1.8	16
26	Effect of hypoxia on heart rate variability and baroreflex sensitivity during hypoglycemia in type 1 diabetes mellitus. <i>Clinical Autonomic Research</i> , 2015, 25, 243-250.	2.5	14
27	Sympathetically mediated increases in cardiac output, not restraint of peripheral vasodilation, contribute to blood pressure maintenance during hyperinsulinemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H162-H170.	3.2	14
28	Mechanical and metabolic reflex activation of the sympathetic nervous system in younger adults with metabolic syndrome. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2014, 183, 100-105.	2.8	13
29	Pharmacological assessment of the contribution of the arterial baroreflex to sympathetic discharge patterns in healthy humans. <i>Journal of Neurophysiology</i> , 2018, 119, 2166-2175.	1.8	13
30	Effect of oral hormonal contraceptive pill use on the hemodynamic response to the cold pressor test. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H1072-H1079.	3.2	13
31	Role of the carotid chemoreceptors in insulin-mediated sympathoexcitation in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R173-R181.	1.8	12
32	Forearm vasodilatation to a $\beta_2$ adrenergic receptor agonist in premenopausal and postmenopausal women. <i>Experimental Physiology</i> , 2020, 105, 886-892.	2.0	12
33	Reductions in carotid chemoreceptor activity with low-dose dopamine improves baroreflex control of heart rate during hypoxia in humans. <i>Physiological Reports</i> , 2016, 4, e12859.	1.7	11
34	The role of the paravertebral ganglia in human sympathetic neural discharge patterns. <i>Journal of Physiology</i> , 2018, 596, 4497-4510.	2.9	11
35	Sex differences in the vascular response to sympathetic activation during acute hypoxaemia. <i>Experimental Physiology</i> , 2021, 106, 1689-1698.	2.0	11
36	Acute cyclooxygenase inhibition and baroreflex sensitivity in lean and obese adults. <i>Clinical Autonomic Research</i> , 2017, 27, 17-23.	2.5	10

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37	Asynchronous action potential discharge in human muscle sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H754-H764.	3.2	10
38	Hyperinsulinemia blunts sympathetic vasoconstriction: a possible role of $\hat{\text{I}}^2$ -adrenergic activation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R771-R779.	1.8	10
39	Effect of obesity and metabolic syndrome on hypoxic vasodilation. <i>European Journal of Applied Physiology</i> , 2012, 112, 699-709.	2.5	9
40	Exercise-mediated vasodilation in human obesity and metabolic syndrome: effect of acute ascorbic acid infusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H840-H847.	3.2	9
41	Blood Pressure: Return of the Sympathetics?. <i>Current Hypertension Reports</i> , 2016, 18, 7.	3.5	9
42	Role of the Autonomic Nervous System in the Hemodynamic Response to Hyperinsulinemiaâ€™ Implications for Obesity and Insulin Resistance. <i>Current Diabetes Reports</i> , 2022, 22, 169-175.	4.2	9
43	Effect of varying chemoreflex stress on sympathetic neural recruitment strategies during apnea. <i>Journal of Neurophysiology</i> , 2019, 122, 1386-1396.	1.8	8
44	Exercise-induced hyperemia is associated with knee extensor fatigability in adults with type 2 diabetes. <i>Journal of Applied Physiology</i> , 2019, 126, 658-667.	2.5	8
45	Greater Influence of Aerobic Fitness on Autonomic Support of Blood Pressure in Young Women Than in Older Women. <i>Hypertension</i> , 2020, 75, 1497-1504.	2.7	8
46	Carotid body size measured by computed tomographic angiography in individuals born prematurely. <i>Respiratory Physiology and Neurobiology</i> , 2018, 258, 47-52.	1.6	7
47	Heterogeneous vascular responses to hypoxic forearm exercise in young and older adults. <i>European Journal of Applied Physiology</i> , 2012, 112, 3087-3095.	2.5	6
48	Resting sympathetic activity is associated with the sympathetically mediated component of energy expenditure following a meal. <i>Physiological Reports</i> , 2017, 5, e13389.	1.7	6
49	Impact of sleep disordered breathing on carotid body size. <i>Respiratory Physiology and Neurobiology</i> , 2017, 236, 5-10.	1.6	6
50	Glucose, insulin, and the carotid body chemoreceptors in humans. <i>Physiological Genomics</i> , 2018, 50, 504-509.	2.3	6
51	Identifying responders versus nonâ€™responders: Incorporation of controls is required for sound statistical inference. <i>Experimental Physiology</i> , 2021, 106, 375-376.	2.0	6
52	Role of the arterial baroreflex in the sympathetic response to hyperinsulinemia in adult humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E355-E365.	3.5	6
53	Increased leg blood flow and improved femoral artery shear patterns in metabolic syndrome after a diet and exercise programme. <i>Clinical Physiology and Functional Imaging</i> , 2014, 34, 282-289.	1.2	5
54	Intact blood pressure, but not sympathetic, responsiveness to sympathoexcitatory stimuli in a patient with unilateral carotid body resection. <i>Physiological Reports</i> , 2017, 5, e13212.	1.7	5

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55	Early blood pressure response to isometric exercise is attenuated in obese individuals who have undergone bariatric surgery. <i>Journal of Applied Physiology</i> , 2018, 124, 960-969.	2.5	5
56	Sex differences in the effect of acute intermittent hypoxia on respiratory modulation of sympathetic activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R903-R911.	1.8	4
57	Preserved $\beta_2$ -adrenergic-mediated vasodilation in skeletal muscle of young adults with obesity despite shifts in cyclooxygenase and nitric oxide synthase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H25-H35.	3.2	4
58	Hitting the wall: glycogen, glucose and the carotid bodies. <i>Journal of Physiology</i> , 2014, 592, 4413-4414.	2.9	3
59	Hypoxia: just say NO?. <i>Journal of Physiology</i> , 2011, 589, 2111-2112.	2.9	1
60	Ageing uncompensated: exercise, nitric oxide and hypoxia. <i>Journal of Physiology</i> , 2011, 589, 2923-2924.	2.9	1
61	Warm-up exercise in human type 2 diabetes: is high-intensity exercise required?. <i>Journal of Applied Physiology</i> , 2020, 128, 225-226.	2.5	1
62	Sympathetic Transduction During Euglycemic Hyperinsulinemia in Humans. <i>FASEB Journal</i> , 2021, 35, .	0.5	1
63	Effect of Voluntary End Expiratory Apnea During Varying Chemoreflex Stress on Sympathetic Neural Recruitment Strategies. <i>FASEB Journal</i> , 2019, 33, 838.14.	0.5	1
64	Sympathetic Discharge Patterns and Neurovascular Transduction Following Acute Intermittent Hypoxia. <i>FASEB Journal</i> , 2019, 33, 562.8.	0.5	1
65	Effect of Hyperinsulinemia on Cerebral Autoregulation and Myogenic Control of Cerebral Blood Flow in Healthy Young Adults. <i>FASEB Journal</i> , 2022, 36, .	0.5	1
66	Endothelin-1 as a novel target for the prevention of metabolic dysfunction with intermittent hypoxia in male participants. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 0, , .	1.8	1
67	Harder, better, faster, longer? Investigating the physiological threshold of endurance exercise. <i>Journal of Physiology</i> , 2016, 594, 7175-7176.	2.9	0
68	Reply to "Letter to the editor: Sympathetically mediated increases in cardiac output, or peripheral vasoconstriction as primary regulator of BP during hyperinsulinemia?". <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H394-H395.	3.2	0
69	Hypoxic exercise responses in lean and obese humans. <i>FASEB Journal</i> , 2010, 24, 990.7.	0.5	0
70	Exercise Hyperemia and Acute Ascorbic Acid Infusion in Obesity and Metabolic Syndrome. <i>FASEB Journal</i> , 2011, 25, 1108.7.	0.5	0
71	Paradoxical relationship between alpha-adrenergic tone and muscle sympathetic nerve activity in human metabolic syndrome. <i>FASEB Journal</i> , 2012, 26, 1091.33.	0.5	0
72	Respiratory influences on muscle sympathetic nerve activity and limb vascular conductance in the steady-state. <i>FASEB Journal</i> , 2013, 27, 1118.8.	0.5	0

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73	Endothelium dependent vasodilation in young, obese adults: contribution of NOS. FASEB Journal, 2013, 27, 1133.1.	0.5	0
74	Reduced contribution of NOS and CO to beta adrenergic vasodilation in obesity. FASEB Journal, 2013, 27, 1133.2.	0.5	0
75	Contributions of nitric oxide and prostaglandins to exercise hyperemia in young obese adults. FASEB Journal, 2013, 27, 1136.5.	0.5	0
76	Carotid Chemoreceptor Desensitization Improves Baroreflex Control of Blood Pressure During Hypoxia in Humans. FASEB Journal, 2015, 29, 1060.4.	0.5	0
77	Effect of Carotid Body Resection on Baroreflex Control of Blood Pressure During Hypoglycemia. FASEB Journal, 2015, 29, 652.3.	0.5	0
78	Hypoxic Vasodilation is Augmented During the High versus Low Estrogen Phase of the Menstrual and Oral Hormonal Contraceptive Pill Cycle. FASEB Journal, 2022, 36, .	0.5	0
79	Increased Muscle Sympathetic Nerve Activity with Acute Hyperinsulinemia: Role of Insulinâ€stimulated Peripheral Vasodilation and the Response of the Arterial Baroreflex. FASEB Journal, 2022, 36, .	0.5	0
80	A Nonâ€invasive Method to Estimate Pulmonary Oxygen Transfer Rate. FASEB Journal, 2022, 36, .	0.5	0
81	Peripheral Chemoreflex Sensitivity is Augmented in Human Type 2 Diabetes. FASEB Journal, 2022, 36, .	0.5	0
82	Sexâ€related differences in the peripheral vascular response to reflex coactivation: Fun physiology or window of opportunity?. Journal of Physiology, 2022, 600, 3639-3640.	2.9	0