

Jacqueline K Limberg

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

1,161
citations

430754

18
h-index

454834

30
g-index

82
all docs

82
docs citations

82
times ranked

1524
citing authors

#	ARTICLE	IF	CITATIONS
1	Preserved \hat{I}^2 -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.	1.5	4
2	Role of the Autonomic Nervous System in the Hemodynamic Response to Hyperinsulinemiaâ€™ Implications for Obesity and Insulin Resistance. Current Diabetes Reports, 2022, 22, 169-175.	1.7	9
3	Role of the arterial baroreflex in the sympathetic response to hyperinsulinemia in adult humans. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E355-E365.	1.8	6
4	Effect of oral hormonal contraceptive pill use on the hemodynamic response to the cold pressor test. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H1072-H1079.	1.5	13
5	Hypoxic Vasodilation is Augmented During the High versus Low Estrogen Phase of the Menstrual and Oral Hormonal Contraceptive Pill Cycle. FASEB Journal, 2022, 36, .	0.2	0
6	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, .	0.2	0
7	Effect of Hyperinsulinemia on Cerebral Autoregulation and Myogenic Control of Cerebral Blood Flow in Healthy Young Adults. FASEB Journal, 2022, 36, .	0.2	1
8	A Nonâ€™invasive Method to Estimate Pulmonary Oxygen Transfer Rate. FASEB Journal, 2022, 36, .	0.2	0
9	Peripheral Chemoreflex Sensitivity is Augmented in Human Type 2 Diabetes. FASEB Journal, 2022, 36, .	0.2	0
10	Sexâ€™related differences in the peripheral vascular response to reflex coactivation: Fun physiology or window of opportunity?. Journal of Physiology, 2022, 600, 3639-3640.	1.3	0
11	Identifying responders versus nonâ€™responders: Incorporation of controls is required for sound statistical inference. Experimental Physiology, 2021, 106, 375-376.	0.9	6
12	Long-COVID postural tachycardia syndrome: an American Autonomic Society statement. Clinical Autonomic Research, 2021, 31, 365-368.	1.4	144
13	Hyperinsulinemia blunts sympathetic vasoconstriction: a possible role of \hat{I}^2 -adrenergic activation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R771-R779.	0.9	10
14	Sympathetic Transduction During Euglycemicâ€™Hyperinsulinemia in Humans. FASEB Journal, 2021, 35, .	0.2	1
15	Sex differences in the vascular response to sympathetic activation during acute hypoxaemia. Experimental Physiology, 2021, 106, 1689-1698.	0.9	11
16	Sex differences in the effect of acute intermittent hypoxia on respiratory modulation of sympathetic activity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R903-R911.	0.9	4
17	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.	1.5	78
18	Role of the carotid chemoreceptors in insulin-mediated sympathoexcitation in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R173-R181.	0.9	12

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19	Reply to "Letter to the editor: Sympathetically mediated increases in cardiac output, or peripheral vasoconstriction as primary regulator of BP during hyperinsulinemia?" American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H394-H395.	1.5	0
20	Sex differences in integrated neurocardiovascular control of blood pressure following acute intermittent hypercapnic hypoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R626-R636.	0.9	18
21	Greater Influence of Aerobic Fitness on Autonomic Support of Blood Pressure in Young Women Than in Older Women. Hypertension, 2020, 75, 1497-1504.	1.3	8
22	Sympathetically mediated increases in cardiac output, not restraint of peripheral vasodilation, contribute to blood pressure maintenance during hyperinsulinemia. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H162-H170.	1.5	14
23	Forearm vasodilatation to a β_2 adrenergic receptor agonist in premenopausal and postmenopausal women. Experimental Physiology, 2020, 105, 886-892.	0.9	12
24	Warm-up exercise in human type 2 diabetes: is high-intensity exercise required?. Journal of Applied Physiology, 2020, 128, 225-226.	1.2	1
25	Sympathetic neural recruitment strategies following acute intermittent hypoxia in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R961-R971.	0.9	16
26	Effect of varying chemoreflex stress on sympathetic neural recruitment strategies during apnea. Journal of Neurophysiology, 2019, 122, 1386-1396.	0.9	8
27	Asynchronous action potential discharge in human muscle sympathetic nerve activity. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H754-H764.	1.5	10
28	Exercise-induced hyperemia is associated with knee extensor fatigability in adults with type 2 diabetes. Journal of Applied Physiology, 2019, 126, 658-667.	1.2	8
29	Effect of Voluntary End-Tidal Expiratory Apnea During Varying Chemoreflex Stress on Sympathetic Neural Recruitment Strategies. FASEB Journal, 2019, 33, 838.14.	0.2	1
30	Sympathetic Discharge Patterns and Neurovascular Transduction Following Acute Intermittent Hypoxia. FASEB Journal, 2019, 33, 562.8.	0.2	1
31	Role of the carotid body chemoreceptors in glucose homeostasis and thermoregulation in humans. Journal of Physiology, 2018, 596, 3079-3085.	1.3	28
32	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.	1.5	22
33	The role of the paravertebral ganglia in human sympathetic neural discharge patterns. Journal of Physiology, 2018, 596, 4497-4510.	1.3	11
34	Aging Alters the Relative Contributions of the Sympathetic and Parasympathetic Nervous System to Blood Pressure Control in Women. Hypertension, 2018, 72, 1236-1242.	1.3	40
35	Carotid body size measured by computed tomographic angiography in individuals born prematurely. Respiratory Physiology and Neurobiology, 2018, 258, 47-52.	0.7	7
36	Insulin increases ventilation during euglycemia in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R84-R89.	0.9	17

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37	Glucose, insulin, and the carotid body chemoreceptors in humans. <i>Physiological Genomics</i> , 2018, 50, 504-509.	1.0	6
38	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.	0.9	13
39	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.	1.2	5
40	Three hours of intermittent hypoxia increases circulating glucose levels in healthy adults. <i>Physiological Reports</i> , 2017, 5, e13106.	0.7	42
41	Resting sympathetic activity is associated with the sympathetically mediated component of energy expenditure following a meal. <i>Physiological Reports</i> , 2017, 5, e13389.	0.7	6
42	Impact of sleep disordered breathing on carotid body size. <i>Respiratory Physiology and Neurobiology</i> , 2017, 236, 5-10.	0.7	6
43	Acute cyclooxygenase inhibition and baroreflex sensitivity in lean and obese adults. <i>Clinical Autonomic Research</i> , 2017, 27, 17-23.	1.4	10
44	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.	0.7	5
45	Greater Beta-Adrenergic Receptor Mediated Vasodilation in Women Using Oral Contraceptives. <i>Frontiers in Physiology</i> , 2016, 7, 215.	1.3	19
46	Peripheral Blood Flow Regulation in Human Obesity and Metabolic Syndrome. <i>Exercise and Sport Sciences Reviews</i> , 2016, 44, 116-122.	1.6	17
47	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.	0.7	11
48	Harder, better, faster, longer? Investigating the physiological threshold of endurance exercise. <i>Journal of Physiology</i> , 2016, 594, 7175-7176.	1.3	0
49	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.	0.9	64
50	Blood Pressure: Return of the Sympathetics?. <i>Current Hypertension Reports</i> , 2016, 18, 7.	1.5	9
51	Î²-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.	1.5	19
52	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.	1.2	28
53	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.	1.4	14
54	Effect of Bilateral Carotid Body Resection on Cardiac Baroreflex Control of Blood Pressure During Hypoglycemia. <i>Hypertension</i> , 2015, 65, 1365-1371.	1.3	28

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55	Carotid Chemoreceptor Desensitization Improves Baroreflex Control of Blood Pressure During Hypoxia in Humans. <i>FASEB Journal</i> , 2015, 29, 1060.4.	0.2	0
56	Effect of Carotid Body Resection on Baroreflex Control of Blood Pressure During Hypoglycemia. <i>FASEB Journal</i> , 2015, 29, 652.3.	0.2	0
57	Autonomic control during acute hypoglycemia in type 1 diabetes mellitus. <i>Clinical Autonomic Research</i> , 2014, 24, 275-283.	1.4	22
58	Neural control of blood flow during exercise in human metabolic syndrome. <i>Experimental Physiology</i> , 2014, 99, 1191-1202.	0.9	16
59	Role of the carotid body chemoreceptors in baroreflex control of blood pressure during hypoglycaemia in humans. <i>Experimental Physiology</i> , 2014, 99, 640-650.	0.9	18
60	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.	0.5	5
61	Hitting the wall: glycogen, glucose and the carotid bodies. <i>Journal of Physiology</i> , 2014, 592, 4413-4414.	1.3	3
62	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.	1.5	9
63	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.	1.4	13
64	Is insulin the new intermittent hypoxia?. <i>Medical Hypotheses</i> , 2014, 82, 730-735.	0.8	21
65	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.	1.5	32
66	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.	1.5	44
67	Respiratory influences on muscle sympathetic nerve activity and limb vascular conductance in the steady state. <i>FASEB Journal</i> , 2013, 27, 1118.8.	0.2	0
68	Endothelium dependent vasodilation in young, obese adults: contribution of NOS. <i>FASEB Journal</i> , 2013, 27, 1133.1.	0.2	0
69	Reduced contribution of NOS and CO to beta adrenergic vasodilation in obesity. <i>FASEB Journal</i> , 2013, 27, 1133.2.	0.2	0
70	Contributions of nitric oxide and prostaglandins to exercise hyperemia in young obese adults. <i>FASEB Journal</i> , 2013, 27, 1136.5.	0.2	0
71	Altered neurovascular control of the resting circulation in human metabolic syndrome. <i>Journal of Physiology</i> , 2012, 590, 6109-6119.	1.3	16
72	Heterogeneous vascular responses to hypoxic forearm exercise in young and older adults. <i>European Journal of Applied Physiology</i> , 2012, 112, 3087-3095.	1.2	6

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73	Effect of obesity and metabolic syndrome on hypoxic vasodilation. <i>European Journal of Applied Physiology</i> , 2012, 112, 699-709.	1.2	9
74	Paradoxical relationship between alpha β -adrenergic tone and muscle sympathetic nerve activity in human metabolic syndrome. <i>FASEB Journal</i> , 2012, 26, 1091.33.	0.2	0
75	Hypoxia: just say NO?. <i>Journal of Physiology</i> , 2011, 589, 2111-2112.	1.3	1
76	Ageing uncompensated: exercise, nitric oxide and hypoxia. <i>Journal of Physiology</i> , 2011, 589, 2923-2924.	1.3	1
77	Exercise Hyperemia and Acute Ascorbic Acid Infusion in Obesity and Metabolic Syndrome. <i>FASEB Journal</i> , 2011, 25, 1108.7.	0.2	0
78	Muscle blood flow responses to dynamic exercise in young obese humans. <i>Journal of Applied Physiology</i> , 2010, 108, 349-355.	1.2	31
79	$\hat{\text{I}}\pm$ -Adrenergic control of blood flow during exercise: effect of sex and menstrual phase. <i>Journal of Applied Physiology</i> , 2010, 109, 1360-1368.	1.2	56
80	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.	1.2	34
81	Hypoxic exercise responses in lean and obese humans. <i>FASEB Journal</i> , 2010, 24, 990.7.	0.2	0
82	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, , .	0.9	1