

Timothy Curry

List of Publications by Year in descending order

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70
papers

2,366
citations

236925

25
h-index

214800

47
g-index

70
all docs

70
docs citations

70
times ranked

2396
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex Differences in Sympathetic Neural-Hemodynamic Balance. <i>Hypertension</i> , 2009, 53, 571-576.	2.7	264
2	Sex and ageing differences in resting arterial pressure regulation: the role of the β_2 -adrenergic receptors. <i>Journal of Physiology</i> , 2011, 589, 5285-5297.	2.9	258
3	Vascular adrenergic responsiveness is inversely related to tonic activity of sympathetic vasoconstrictor nerves in humans. <i>Journal of Physiology</i> , 2006, 572, 821-827.	2.9	106
4	Nitric oxide contributes to the augmented vasodilatation during hypoxic exercise. <i>Journal of Physiology</i> , 2010, 588, 373-385.	2.9	105
5	Effects of respiratory muscle work on blood flow distribution during exercise in heart failure. <i>Journal of Physiology</i> , 2010, 588, 2487-2501.	2.9	92
6	Aging Enhances Autonomic Support of Blood Pressure in Women. <i>Hypertension</i> , 2014, 63, 303-308.	2.7	89
7	Excessive heart rate response to orthostatic stress in postural tachycardia syndrome is not caused by anxiety. <i>Journal of Applied Physiology</i> , 2007, 102, 896-903.	2.5	83
8	Reductions in central venous pressure by lower body negative pressure or blood loss elicit similar hemodynamic responses. <i>Journal of Applied Physiology</i> , 2014, 117, 131-141.	2.5	80
9	Age-Related Differences in the Sympathetic-Hemodynamic Balance in Men. <i>Hypertension</i> , 2009, 54, 127-133.	2.7	78
10	Relationship Between Muscle Sympathetic Nerve Activity and Aortic Wave Reflection Characteristics in Young Men and Women. <i>Hypertension</i> , 2011, 57, 421-427.	2.7	69
11	Influence of locomotor muscle afferent inhibition on the ventilatory response to exercise in heart failure. <i>Experimental Physiology</i> , 2014, 99, 414-426.	2.0	68
12	Hyperoxia blunts counterregulation during hypoglycaemia in humans: possible role for the carotid bodies?. <i>Journal of Physiology</i> , 2010, 588, 4593-4601.	2.9	65
13	Cardiac Baroreflex Sensitivity Is Not Correlated to Sympathetic Baroreflex Sensitivity Within Healthy, Young Humans. <i>Hypertension</i> , 2010, 56, 1118-1123.	2.7	59
14	Oral Contraceptive Use, Muscle Sympathetic Nerve Activity, and Systemic Hemodynamics in Young Women. <i>Hypertension</i> , 2015, 66, 590-597.	2.7	51
15	Exercise intensity-dependent contribution of β_2 -adrenergic receptor-mediated vasodilatation in hypoxic humans. <i>Journal of Physiology</i> , 2008, 586, 1195-1205.	2.9	49
16	Hysteresis in the sympathetic baroreflex: role of baseline nerve activity. <i>Journal of Physiology</i> , 2011, 589, 3395-3404.	2.9	47
17	Three hours of intermittent hypoxia increases circulating glucose levels in healthy adults. <i>Physiological Reports</i> , 2017, 5, e13106.	1.7	42
18	Ageing 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

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19	Ageing reduces the compensatory vasodilatation during hypoxic exercise: the role of nitric oxide. <i>Journal of Physiology</i> , 2011, 589, 1477-1488.	2.9	38
20	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
21	Nitric oxide-mediated vasodilation becomes independent of β^2 -adrenergic receptor activation with increased intensity of hypoxic exercise. <i>Journal of Applied Physiology</i> , 2011, 110, 687-694.	2.5	31
22	Influence of high affinity haemoglobin on the response to normoxic and hypoxic exercise. <i>Journal of Physiology</i> , 2020, 598, 1475-1490.	2.9	31
23	Measuring muscle blood flow: a key link between systemic and regional metabolism. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2008, 11, 580-586.	2.5	30
24	Acute Effects of a Mixed Meal on Arterial Stiffness and Central Hemodynamics in Healthy Adults. <i>American Journal of Hypertension</i> , 2014, 27, 331-337.	2.0	29
25	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
26	Forearm vasodilator responses to a β^2 -adrenergic receptor agonist in premenopausal and postmenopausal women. <i>Physiological Reports</i> , 2014, 2, e12032.	1.7	27
27	Acute β^2 -Adrenergic Blockade Increases Aortic Wave Reflection in Young Men and Women. <i>Hypertension</i> , 2012, 59, 145-150.	2.7	24
28	Locomotor muscle group III/IV afferents constrain stroke volume and contribute to exercise intolerance in human heart failure. <i>Journal of Physiology</i> , 2020, 598, 5379-5390.	2.9	24
29	Effect of bilateral carotid body resection on the counterregulatory response to hypoglycaemia in humans. <i>Experimental Physiology</i> , 2015, 100, 69-78.	2.0	22
30	Is insulin the new intermittent hypoxia?. <i>Medical Hypotheses</i> , 2014, 82, 730-735.	1.5	21
31	Association of Cardiac Baroreflex Sensitivity with Blood Pressure Transients: Influence of Sex and Menopausal Status. <i>Frontiers in Physiology</i> , 2012, 3, 187.	2.8	20
32	Self-Reported and Objective Physical Activity in Postgastric Bypass Surgery, Obese and Lean Adults: Association With Body Composition and Cardiorespiratory Fitness. <i>Journal of Physical Activity and Health</i> , 2014, 11, 145-151.	2.0	20
33	Vasoconstrictor responsiveness during hyperbaric hyperoxia in contracting human muscle. <i>Journal of Applied Physiology</i> , 2013, 114, 217-224.	2.5	18
34	Metabolic and mechanoreceptor expression in human heart failure: Relationships with the locomotor muscle afferent influence on exercise responses. <i>Experimental Physiology</i> , 2020, 105, 809-818.	2.0	16
35	The Oxygen Cascade During Exercise in Health and Disease. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1017-1032.	3.0	16
36	White blood cell concentrations during lower body negative pressure and blood loss in humans. <i>Experimental Physiology</i> , 2016, 101, 1265-1275.	2.0	15

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37	Improved Ventilatory Efficiency with Locomotor Muscle Afferent Inhibition is Strongly Associated with Leg Composition in Heart Failure. <i>International Journal of Cardiology</i> , 2016, 202, 159-166.	1.7	15
38	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
39	Dissociating the effects of oxygen pressure and content on the control of breathing and acute hypoxic response. <i>Journal of Applied Physiology</i> , 2019, 127, 1622-1631.	2.5	14
40	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
41	Pharmacogenomics education and perceptions: is there a gap between internal medicine resident and attending physicians?. <i>Pharmacogenomics</i> , 2021, 22, 195-201.	1.3	13
42	Adenosine transporter antagonism in humans augments vasodilator responsiveness to adenosine, but not exercise, in both adenosine responders and non-responders. <i>Journal of Physiology</i> , 2007, 579, 237-245.	2.9	12
43	Forearm vasodilatation to a β_2 -adrenergic receptor agonist in premenopausal and postmenopausal women. <i>Experimental Physiology</i> , 2020, 105, 886-892.	2.0	12
44	β_2 -Adrenoceptor gene variation and systemic vasodilatation during ganglionic blockade. <i>Journal of Physiology</i> , 2010, 588, 2669-2678.	2.9	11
45	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
46	The role of the paravertebral ganglia in human sympathetic neural discharge patterns. <i>Journal of Physiology</i> , 2018, 596, 4497-4510.	2.9	11
47	Neural control of blood pressure in women: differences according to age. <i>Clinical Autonomic Research</i> , 2017, 27, 157-165.	2.5	10
48	Acute cyclooxygenase inhibition and baroreflex sensitivity in lean and obese adults. <i>Clinical Autonomic Research</i> , 2017, 27, 17-23.	2.5	10
49	Effects of an allosteric hemoglobin affinity modulator on arterial blood gases and cardiopulmonary responses during normoxic and hypoxic low-intensity exercise. <i>Journal of Applied Physiology</i> , 2020, 128, 1467-1476.	2.5	10
50	Changes in Red Blood Cell Transfusion Practice during the Turn of the Millennium: A Retrospective Analysis of Adult Patients Undergoing Elective Open Abdominal Aortic Aneurysm Repair Using the Mayo Database. <i>Annals of Vascular Surgery</i> , 2010, 24, 447-454.	0.9	9
51	Prolonged adenosine triphosphate infusion and exercise hyperemia in humans. <i>Journal of Applied Physiology</i> , 2016, 121, 629-635.	2.5	9
52	The Effects of Acute Beta-Adrenergic Blockade on Aortic Wave Reflection in Postmenopausal Women. <i>American Journal of Hypertension</i> , 2013, 26, 503-510.	2.0	8
53	Effect of acute hypoxemia on cerebral blood flow velocity control during lower body negative pressure. <i>Physiological Reports</i> , 2018, 6, e13594.	1.7	8
54	Respiratory muscle work influences locomotor convective and diffusive oxygen transport in human heart failure during exercise. <i>Physiological Reports</i> , 2020, 8, e14484.	1.7	8

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55	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
56	Impact of Pharmacologically Left Shifting the Oxygen-Hemoglobin Dissociation Curve on Arterial Blood Gases and Pulmonary Gas Exchange During Maximal Exercise in Hypoxia. <i>High Altitude Medicine and Biology</i> , 2021, 22, 249-262.	0.9	8
57	Acute cyclooxygenase inhibition does not alter muscle sympathetic nerve activity or forearm vasodilator responsiveness in lean and obese adults. <i>Physiological Reports</i> , 2014, 2, e12079.	1.7	7
58	Team Approach: Multimodal Perioperative Pain Management in Upper-Extremity Surgery. <i>JBJS Reviews</i> , 2018, 6, e5-e5.	2.0	7
59	Relationship of muscle sympathetic nerve activity to insulin sensitivity. <i>Clinical Autonomic Research</i> , 2014, 24, 77-85.	2.5	6
60	Potential of the NO-cGMP pathway and blood flow responses during dynamic exercise in healthy humans. <i>European Journal of Applied Physiology</i> , 2017, 117, 237-246.	2.5	6
61	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
62	Impact of sleep disordered breathing on carotid body size. <i>Respiratory Physiology and Neurobiology</i> , 2017, 236, 5-10.	1.6	6
63	Phosphodiesterase-5 inhibition preserves exercise-onset vasodilator kinetics when NOS activity is reduced. <i>Journal of Applied Physiology</i> , 2018, 124, 276-282.	2.5	6
64	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
65	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
66	What we talk about when we talk with medical students. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2011, 35, 16-21.	1.6	3
67	Effect of β_2 -adrenergic receptor polymorphisms on epinephrine and exercise-stimulated lipolysis in humans. <i>Physiological Reports</i> , 2014, 2, e12017.	1.7	2
68	Rapid-onset vasodilator responses to exercise in humans: Effect of increased baseline blood flow. <i>Experimental Physiology</i> , 2020, 105, 88-95.	2.0	2
69	Sustained exercise hyperemia during prolonged adenosine infusion in humans. <i>Physiological Reports</i> , 2019, 7, e14009.	1.7	1
70	Reply from P. Dominelli, C. Wiggins, S. E. Baker, J. R. A. Shepherd, S. Roberts, T. K. Roy, T. Curry, J. Hoyer, J. L. Oliveira and M. J. Joyner. <i>Journal of Physiology</i> , 2020, 598, 3533-3534.	2.9	1