

Craig D Steinback

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

2,229
citations

257101

24
h-index

264894

42
g-index

113
all docs

113
docs citations

113
times ranked

2202
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of physical activity on arterial stiffness during pregnancy: an observational study. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 234-242.	0.9	1
2	Prenatal exercise and cardiovascular health (PEACH) study: impact of acute and chronic exercise on cerebrovascular hemodynamics and dynamic cerebral autoregulation. <i>Journal of Applied Physiology</i> , 2022, 132, 247-260.	1.2	7
3	Cerebrovascular and blood pressure responses during voluntary apneas are larger than rebreathing. <i>European Journal of Applied Physiology</i> , 2022, 122, 735.	1.2	2
4	Acid-base balance at high altitude in lowlanders and indigenous highlanders. <i>Journal of Applied Physiology</i> , 2022, 132, 575-580.	1.2	5
5	Global REACH 2018: Andean highlanders, chronic mountain sickness and the integrative regulation of resting blood pressure. <i>Experimental Physiology</i> , 2021, 106, 104-116.	0.9	12
6	The 2018 Global Research Expedition on Altitude Related Chronic Health (Global REACH) to Cerro de Pasco, Peru: an Experimental Overview. <i>Experimental Physiology</i> , 2021, 106, 86-103.	0.9	24
7	The sympathetic muscle metaboreflex is not different in the third trimester in normotensive pregnant women. <i>Journal of Applied Physiology</i> , 2021, 130, 640-650.	1.2	5
8	Preeclampsia is not associated with elevated muscle sympathetic reactivity. <i>Journal of Applied Physiology</i> , 2021, 130, 139-148.	1.2	6
9	Short-term hypoxia does not promote arrhythmia during voluntary apnea. <i>Physiological Reports</i> , 2021, 9, e14703.	0.7	2
10	Prior oxygenation, but not chemoreflex responsiveness, determines breath-hold duration during voluntary apnea. <i>Physiological Reports</i> , 2021, 9, e14664.	0.7	4
11	Blunted sympathetic neurovascular transduction is associated to the severity of obstructive sleep apnea. <i>Clinical Autonomic Research</i> , 2021, 31, 443-451.	1.4	11
12	Time course and magnitude of ventilatory and renal acid-base acclimatization following rapid ascent to and residence at 3,800 m over nine days. <i>Journal of Applied Physiology</i> , 2021, 130, 1705-1715.	1.2	12
13	Cardioautonomic control in healthy singleton and twin pregnancies. <i>Journal of Applied Physiology</i> , 2021, 130, 923-932.	1.2	0
14	Assessing static and dynamic sympathetic transduction using microneurography. <i>Journal of Applied Physiology</i> , 2021, 130, 1626-1634.	1.2	6
15	Cardiovascular function during triplet pregnancy. <i>Journal of Applied Physiology</i> , 2021, 130, 1286-1292.	1.2	3
16	Duration at High Altitude Influences the Onset of Arrhythmogenesis During Apnea. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
17	The Effects of Moderate-to-Vigorous Physical Activity on Arterial Stiffness during Pregnancy. <i>FASEB Journal</i> , 2021, 35, .	0.2	1
18	Prenatal exercise and cardiovascular health (PEACH) study: the remote effect of aerobic exercise training on conduit artery and resistance vessel function. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1459-1468.	0.9	5

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19	The Impact of Hospitalization on Physical Activity During Pregnancy. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2021, 43, 766-768.	0.3	4
20	Prenatal Exercise and Cardiovascular Health (PEACH) Study. <i>Medicine and Science in Sports and Exercise</i> , 2021, Publish Ahead of Print, 2605-2617.	0.2	2
21	Blood glucose concentration is unchanged during exposure to acute normobaric hypoxia in healthy humans. <i>Physiological Reports</i> , 2021, 9, e14932.	0.7	5
22	Global REACH 2018: volume regulation in high-altitude Andeans with and without chronic mountain sickness. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R504-R512.	0.9	8
23	The 9-Month Stress Test: Pregnancy and Exercise—Similarities and Interactions. <i>Canadian Journal of Cardiology</i> , 2021, 37, 2014-2025.	0.8	7
24	Sympathetic neurovascular transduction following acute hypoxia. <i>Clinical Autonomic Research</i> , 2021, 31, 755-765.	1.4	2
25	A sympathetic view of blood pressure control at high altitude: new insights from microneurographic studies. <i>Experimental Physiology</i> , 2021, 106, 377-384.	0.9	13
26	Prenatal Exercise and Cardiovascular Health (PEACH) Study: Impact on Muscle Sympathetic Nerve (Re)Activity. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1101-1113.	0.2	12
27	Cardiac Responses to Prenatal Resistance Exercise with and without the Valsalva Maneuver. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1260-1269.	0.2	4
28	Duration at high altitude influences the onset of arrhythmogenesis during apnea. <i>European Journal of Applied Physiology</i> , 2021, 122, 475.	1.2	2
29	Muscle sympathetic reactivity to apneic and exercise stress in high-altitude Sherpa. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R493-R502.	0.9	12
30	Acute intermittent hypercapnic hypoxia and sympathetic neurovascular transduction in men. <i>Journal of Physiology</i> , 2020, 598, 473-487.	1.3	35
31	Longitudinal study of cerebral blood flow regulation during exercise in pregnancy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2278-2288.	2.4	8
32	Determining whether sympathetic nervous activity influences cerebral blood velocity at rest: a novel approach. <i>Clinical Autonomic Research</i> , 2020, 30, 357-359.	1.4	4
33	Sympathetic nervous system activity and reactivity in women with gestational diabetes mellitus. <i>Physiological Reports</i> , 2020, 8, e14504.	0.7	14
34	Sex differences in dynamic blood pressure regulation: beat-by-beat responses to muscle sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H531-H538.	1.5	23
35	Global REACH 2018: The carotid artery diameter response to the cold pressor test is governed by arterial blood pressure during normoxic but not hypoxic conditions in healthy lowlanders and Andean highlanders. <i>Experimental Physiology</i> , 2020, 105, 1742-1757.	0.9	2
36	Standardizing the cerebrovascular response to hypercapnia — increasing the flow of data!. <i>Experimental Physiology</i> , 2020, 105, 769-770.	0.9	1

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37	Influence of multiparity on sympathetic nerve activity during normal pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H816-H819.	1.5	6
38	Evidence for a physiological role of pulmonary arterial baroreceptors in sympathetic neural activation in healthy humans. Journal of Physiology, 2020, 598, 955-965.	1.3	18
39	Age, body mass index, and weight gain do not increase sympathetic activity during pregnancy. Applied Physiology, Nutrition and Metabolism, 2020, 45, 1041-1044.	0.9	6
40	Highs and lows of sympathetic neurocardiovascular transduction: influence of altitude acclimatization and adaptation. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1240-H1252.	1.5	20
41	Global REACH 2018: renal oxygen delivery is maintained during early acclimatization to 4,330 m. American Journal of Physiology - Renal Physiology, 2020, 319, F1081-F1089.	1.3	8
42	Maternal cardioautonomic responses during and following exercise throughout pregnancy. Applied Physiology, Nutrition and Metabolism, 2019, 44, 263-270.	0.9	15
43	Cold air exercise screening for exercise induced bronchoconstriction in cold weather athletes. Respiratory Physiology and Neurobiology, 2019, 269, 103262.	0.7	19
44	A review of acute responses, after-effects and chronic complications related to microneurography. Clinical Neurophysiology, 2019, 130, 1781-1788.	0.7	6
45	Steady-state cerebral blood flow regulation at altitude: interaction between oxygen and carbon dioxide. European Journal of Applied Physiology, 2019, 119, 2529-2544.	1.2	16
46	Functional-Optical Coherence Tomography: A Non-invasive Approach to Assess the Sympathetic Nervous System and Intrinsic Vascular Regulation. Frontiers in Physiology, 2019, 10, 1146.	1.3	15
47	Blunted sympathetic neurovascular transduction during normotensive pregnancy. Journal of Physiology, 2019, 597, 3687-3696.	1.3	33
48	Baroreflex control of sympathetic vasomotor activity and resting arterial pressure at high altitude: insight from Lowlanders and Sherpa. Journal of Physiology, 2019, 597, 2379-2390.	1.3	44
49	Mechanisms of sympathetic regulation during Apnea. Physiological Reports, 2019, 7, e13991.	0.7	11
50	Peripheral chemoreceptor deactivation attenuates the sympathetic response to glucose ingestion. Applied Physiology, Nutrition and Metabolism, 2019, 44, 389-396.	0.9	7
51	Spleen reactivity during incremental ascent to altitude. Journal of Applied Physiology, 2019, 126, 152-159.	1.2	15
52	Global REACH: Assessment of Brady-Arrhythmias in Andeans and Lowlanders During Apnea at 4330 m. Frontiers in Physiology, 2019, 10, 1603.	1.3	6
53	Selective Reductions in Pulmonary Artery Pressure Lowers Sympathetic Neural Activity in Healthy Humans at High Altitude. FASEB Journal, 2019, 33, .	0.2	0
54	Maternal Physical Activity Is Associated With Improved Blood Pressure Regulation During Late Pregnancy. Canadian Journal of Cardiology, 2018, 34, 485-491.	0.8	17

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55	Sympathetic neurovascular regulation during pregnancy: A longitudinal case series study. <i>Experimental Physiology</i> , 2018, 103, 318-323.	0.9	20
56	Sympathetic Nervous System Regulation in Human Normotensive and Hypertensive Pregnancies. <i>Hypertension</i> , 2018, 71, 793-803.	1.3	56
57	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018, 19, 4-6.	0.5	324
58	The carotid chemoreceptor contributes to the elevated arterial stiffness and vasoconstrictor outflow in chronic obstructive pulmonary disease. <i>Journal of Physiology</i> , 2018, 596, 3233-3244.	1.3	24
59	Renal reactivity: acid-base compensation during incremental ascent to high altitude. <i>Journal of Physiology</i> , 2018, 596, 6191-6203.	1.3	37
60	UBC-Nepal Expedition: An experimental overview of the 2016 University of British Columbia Scientific Expedition to Nepal Himalaya. <i>PLoS ONE</i> , 2018, 13, e0204660.	1.1	19
61	Activity of muscle sympathetic neurons during normotensive pregnancy. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R153-R160.	0.9	16
62	Chemoreflex mediated arrhythmia during apnea at 5,050 m in low- but not high-altitude natives. <i>Journal of Applied Physiology</i> , 2018, 124, 930-937.	1.2	19
63	Extreme pregnancy: maternal physical activity at Everest Base Camp. <i>Journal of Applied Physiology</i> , 2018, 125, 580-585.	1.2	5
64	How do the Carotid Chemoreceptors Modulate Ventilatory Control and Cardiovascular Regulation at Rest and During Exercise in COPD?. <i>FASEB Journal</i> , 2018, 32, 884.2.	0.2	0
65	Tracking cerebral blood flow regulation during incremental ascent to altitude: Effect of superimposed hypoxia and hypocapnia. <i>FASEB Journal</i> , 2018, 32, lb414.	0.2	0
66	A novel non-invasive method to measure sympathetic activity and autoregulation in humans. <i>FASEB Journal</i> , 2018, 32, 920.4.	0.2	0
67	The Effect of Different Training Loads on the Lung Health of Competitive Youth Swimmers. <i>International Journal of Exercise Science</i> , 2018, 11, 999-1018.	0.5	5
68	UBC-Nepal Expedition: acute alterations in sympathetic nervous activity do not influence brachial artery endothelial function at sea level and high altitude. <i>Journal of Applied Physiology</i> , 2017, 123, 1386-1396.	1.2	13
69	Assessing chemoreflexes and oxygenation in the context of acute hypoxia: Implications for field studies. <i>Respiratory Physiology and Neurobiology</i> , 2017, 246, 67-75.	0.7	11
70	Muscle sympathetic nerve activity and volume-regulating factors in healthy pregnant and nonpregnant women. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H782-H787.	1.5	19
71	The influence of prenatal exercise and pre-eclampsia on maternal vascular function. <i>Clinical Science</i> , 2017, 131, 2223-2240.	1.8	28
72	Glycemic and Metabolic Effects of Two Long Bouts of Moderate-Intensity Exercise in Men with Normal Glucose Tolerance or Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2017, 8, 154.	1.5	6

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73	Is Performance of a Modified Eucapnic Voluntary Hyperpnea Test in High Ventilation Athletes Reproducible?. Allergy, Asthma and Immunology Research, 2017, 9, 229.	1.1	1
74	Central respiratory chemosensitivity and cerebrovascular CO ₂ reactivity: a rebreathing demonstration illustrating integrative human physiology. American Journal of Physiology - Advances in Physiology Education, 2016, 40, 79-92.	0.8	16
75	Chemosensitivity, Cardiovascular Risk, and the Ventilatory Response to Exercise in COPD. PLoS ONE, 2016, 11, e0158341.	1.1	15
76	Maternal Responses to Aerobic Exercise in Pregnancy. Clinical Obstetrics and Gynecology, 2016, 59, 541-551.	0.6	30
77	Comparing and characterizing transient and steady-state tests of the peripheral chemoreflex in humans. Experimental Physiology, 2016, 101, 432-447.	0.9	29
78	Effects of one's sex and sex hormones on sympathetic responses to chemoreflex activation. Experimental Physiology, 2016, 101, 362-367.	0.9	11
79	Quantifying cerebrovascular reactivity in anterior and posterior cerebral circulations during voluntary breath holding. Experimental Physiology, 2016, 101, 1517-1527.	0.9	23
80	Exercise Reduces Insulin and Glucagon, but not Incretin, Responses to Oral Glucose in Type 2 Diabetes. Canadian Journal of Diabetes, 2016, 40, S10.	0.4	0
81	Influence of Hypoxia on Cerebral Blood Flow Regulation in Humans. Advances in Experimental Medicine and Biology, 2016, 903, 131-144.	0.8	25
82	Reduced uterine perfusion pressure decreases functional capillary density in skeletal muscle. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H2002-H2007.	1.5	8
83	Longitudinal cerebrovascular reactivity during pregnancy: a case study. Applied Physiology, Nutrition and Metabolism, 2015, 40, 636-639.	0.9	7
84	Sympathetic baroreflex gain in normotensive pregnant women. Journal of Applied Physiology, 2015, 119, 468-474.	1.2	38
85	Regulation of Sympathetic Nerve Activity During the Cold Pressor Test in Normotensive Pregnant and Nonpregnant Women. Hypertension, 2015, 66, 858-864.	1.3	44
86	The ins and outs of breath holding: simple demonstrations of complex respiratory physiology. American Journal of Physiology - Advances in Physiology Education, 2015, 39, 223-231.	0.8	27
87	The Reduced Uterine Perfusion Pressure (RUPP) Model of Preeclampsia Causes Decreased Capillary Perfusion in Skeletal Muscle. FASEB Journal, 2015, 29, LB551.	0.2	0
88	Sympathetic Neurovascular Regulation During Pregnancy: A Longitudinal Case Study. FASEB Journal, 2015, 29, 1041.8.	0.2	0
89	Effects of aging on the association between cerebrovascular responses to visual stimulation, hypercapnia and arterial stiffness. Frontiers in Physiology, 2014, 5, 49.	1.3	68
90	The effects of head-up and head-down tilt on central respiratory chemoreflex loop gain tested by hyperoxic rebreathing. Progress in Brain Research, 2014, 212, 149-172.	0.9	12

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91	Cyclooxygenases 1 and 2 Differentially Regulate Blood Pressure and Cerebrovascular Responses to Acute and Chronic Intermittent Hypoxia: Implications for Sleep Apnea. <i>Journal of the American Heart Association</i> , 2014, 3, e000875.	1.6	39
92	Test-retest reliability of eucapnic voluntary hyperpnea test performance and pre-post spirometry in elite swimmers (LB783). <i>FASEB Journal</i> , 2014, 28, LB783.	0.2	0
93	Differential regulation of sympathetic burst frequency and amplitude following acute hypoxia in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R633-R638.	0.9	17
94	Cerebral oxygenation following epinephrine infusion. <i>Journal of the Neurological Sciences</i> , 2012, 321, 23-28.	0.3	1
95	Cardiovagal baroreceptor sensitivity and peak oxygen consumption in chronic obstructive pulmonary disease (COPD). <i>FASEB Journal</i> , 2012, 26, 1092.3.	0.2	0
96	Differential regulation of sympathetic burst frequency and amplitude following acute hypoxia. <i>FASEB Journal</i> , 2012, 26, 893.14.	0.2	0
97	Recruitment pattern of sympathetic neurons during breath-holding at different lung volumes in apnea divers and controls. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011, 164, 74-81.	1.4	31
98	Subject specific effects of hyperpnea but not hypocapnia on airway conductance. <i>Respiratory Physiology and Neurobiology</i> , 2011, 177, 127-132.	0.7	1
99	Relationship between size and latency of action potentials in human muscle sympathetic nerve activity. <i>Journal of Neurophysiology</i> , 2011, 105, 2830-2842.	0.9	53
100	JOURNAL CLUB: Quantifying needles in a haystack: the firing properties of single sympathetic vasoconstrictor neurones in chronic obstructive pulmonary disease. <i>Journal of Physiology</i> , 2010, 588, 3137-3138.	1.3	0
101	Sympathetic neural activation: an ordered affair. <i>Journal of Physiology</i> , 2010, 588, 4825-4836.	1.3	71
102	Sympathetic and cardiovascular responses to glossopharyngeal insufflation in trained apnea divers. <i>Journal of Applied Physiology</i> , 2010, 109, 1728-1735.	1.2	17
103	Ventilatory restraint of sympathetic activity during chemoreflex stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1407-R1414.	0.9	28
104	Autonomic and cardiovascular responses to chemoreflex stress in apnoea divers. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 156, 138-143.	1.4	18
105	Hypercapnic vs. hypoxic control of cardiovascular, cardiovagal, and sympathetic function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R402-R410.	0.9	78
106	Impact of pregnancy and obesity on cardiorespiratory responses during weight-bearing exercise. <i>Respiratory Physiology and Neurobiology</i> , 2009, 167, 341-347.	0.7	22
107	Relationship between oxidative stress and HIF-1 α mRNA during sustained hypoxia in humans. <i>Free Radical Biology and Medicine</i> , 2009, 46, 321-326.	1.3	115
108	Cardiovascular and cerebrovascular responses to acute isocapnic and poikilocapnic hypoxia in humans. <i>Journal of Applied Physiology</i> , 2008, 104, 482-489.	1.2	37

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109	Effects of Acetazolamide on Ventilatory, Cerebrovascular, and Pulmonary Vascular Responses to Hypoxia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 277-281.	2.5	107
110	Ventilatory responses to isocapnic and poikilocapnic hypoxia in humans. <i>Respiratory Physiology and Neurobiology</i> , 2007, 155, 104-113.	0.7	56
111	Carotid distensibility, baroreflex sensitivity, and orthostatic stress. <i>Journal of Applied Physiology</i> , 2005, 99, 64-70.	1.2	34
112	Relating drug-induced changes in carotid artery mechanics to cardiovagal and sympathetic baroreflex control. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 439-446.	0.7	13
113	Peripheral pulse pressure responses to postural stress do not reflect those at the carotid artery. <i>Clinical Physiology and Functional Imaging</i> , 2004, 24, 40-45.	0.5	9