

Patrice Brassard

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,916
citations

236612

25
h-index

182168

51
g-index

86
all docs

86
docs citations

86
times ranked

3851
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative physiological assessment of cerebral hemodynamics and metabolism in acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 454-470.	2.4	17
2	Integrative cerebral blood flow regulation in ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 387-403.	2.4	27
3	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
4	Reproducibility and diurnal variation of the directional sensitivity of the cerebral pressure-flow relationship in men and women. <i>Journal of Applied Physiology</i> , 2022, 132, 154-166.	1.2	16
5	Directional sensitivity of the cerebral pressure-flow relationship in young healthy individuals trained in endurance and resistance exercise. <i>Experimental Physiology</i> , 2022, 107, 299-311.	0.9	9
6	Trans-cerebral HCO_3^- and PCO_2 exchange during acute respiratory acidosis and exercise-induced metabolic acidosis in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 559-571.	2.4	6
7	Near Infrared Spectroscopy for Poor Grade Aneurysmal Subarachnoid Hemorrhage—A Concise Review. <i>Frontiers in Neurology</i> , 2022, 13, 874393.	1.1	2
8	Sex-specific effects of cardiorespiratory fitness on age-related differences in cerebral hemodynamics. <i>Journal of Applied Physiology</i> , 2022, 132, 1310-1317.	1.2	8
9	The role of the autonomic nervous system in cerebral blood flow regulation in dementia: A review. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2022, 240, 102985.	1.4	14
10	Point/counterpoint: We should take the direction of blood pressure change into consideration for dynamic cerebral autoregulation quantification. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 2351-2353.	2.4	8
11	Time-course recovery of cerebral blood velocity metrics post aerobic exercise: a systematic review. <i>Journal of Applied Physiology</i> , 2022, 133, 471-489.	1.2	5
12	On the use and misuse of cerebral hemodynamics terminology using transcranial Doppler ultrasound: a call for standardization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H350-H357.	1.5	14
13	Influence of high-intensity interval training to exhaustion on the directional sensitivity of the cerebral pressure-flow relationship in young endurance-trained men. <i>Physiological Reports</i> , 2022, 10, .	0.7	2
14	A proposed algorithm for combining transcranial Doppler ultrasound monitoring with cerebral and somatic oximetry: a case report. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 130-136.	0.7	8
15	Effects of age and sex on middle cerebral artery blood velocity and flow pulsatility index across the adult lifespan. <i>Journal of Applied Physiology</i> , 2021, 130, 1675-1683.	1.2	44
16	What recording duration is required to provide physiologically valid and reliable dynamic cerebral autoregulation transfer functional analysis estimates?. <i>Physiological Measurement</i> , 2021, 42, 044002.	1.2	14
17	Heart Rate Variability in Young Adults with Persisting Post-Concussion Symptoms. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
18	The Relationship Between Cardiorespiratory Fitness and Middle Cerebral Artery Velocity in Women. <i>FASEB Journal</i> , 2021, 35, .	0.2	0

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19	Dynamic cerebral autoregulation and cerebrovascular carbon dioxide reactivity in middle and posterior cerebral arteries in young endurance-trained women. <i>Journal of Applied Physiology</i> , 2021, 130, 1724-1735.	1.2	16
20	Losing the dogmatic view of cerebral autoregulation. <i>Physiological Reports</i> , 2021, 9, e14982.	0.7	73
21	Utilization of the repeated squat-stand model for studying the directional sensitivity of the cerebral pressure-flow relationship. <i>Journal of Applied Physiology</i> , 2021, 131, 927-936.	1.2	18
22	Influence of an osteopathic manipulative intervention on cerebral blood velocity changes: do we have the whole story to appropriately interpret the data?. <i>Journal of Osteopathic Medicine</i> , 2021, 122, 69-70.	0.4	0
23	Continuous reduction in cerebral oxygenation during endurance exercise in patients with pulmonary arterial hypertension. <i>Physiological Reports</i> , 2020, 8, e14389.	0.7	7
24	HITing the brain with exercise: mechanisms, consequences and practical recommendations. <i>Journal of Physiology</i> , 2020, 598, 2513-2530.	1.3	92
25	Comparable blood velocity changes in middle and posterior cerebral arteries during and following acute high-intensity exercise in young fit women. <i>Physiological Reports</i> , 2020, 8, e14430.	0.7	25
26	Cerebral vs. Cardiovascular Responses to Exercise in Type 2 Diabetic Patients. <i>Frontiers in Physiology</i> , 2020, 11, 583155.	1.3	1
27	Six weeks of high-intensity interval training to exhaustion attenuates dynamic cerebral autoregulation without influencing resting cerebral blood velocity in young fit men. <i>Physiological Reports</i> , 2019, 7, e14185.	0.7	35
28	Cardiac remodeling after six weeks of high-intensity interval training to exhaustion in endurance-trained men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H685-H694.	1.5	14
29	A Practical Approach to Cerebro-Somatic Near-Infrared Spectroscopy and Whole-Body Ultrasound. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, S11-S37.	0.6	13
30	Implications of habitual endurance and resistance exercise for dynamic cerebral autoregulation. <i>Experimental Physiology</i> , 2019, 104, 1780-1789.	0.9	16
31	Letter to the Editor: On the need of considering cardiorespiratory fitness when examining the influence of sex on dynamic cerebral autoregulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1229-H1229.	1.5	9
32	Dynamic cerebral autoregulation is attenuated in young fit women. <i>Physiological Reports</i> , 2019, 7, e13984.	0.7	72
33	Effect of PPAR α agonist on aerobic exercise capacity in relation to body fat distribution in men with type 2 diabetes mellitus and coronary artery disease: a 1-yr randomized study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E65-E73.	1.8	17
34	Blood Pressure Measurement in Severely Obese Patients: Validation of the Forearm Approach in Different Arm Positions. <i>American Journal of Hypertension</i> , 2019, 32, 175-185.	1.0	14
35	Rosiglitazone lowers resting and blood pressure response to exercise in men with type 2 diabetes: a 1-year randomized study. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1740-1750.	2.2	7
36	Targeting optimal blood pressure monitoring: what's next?. <i>Journal of Thoracic Disease</i> , 2018, 10, S3281-S3285.	0.6	6

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37	Hypoxia compounds exercise-induced free radical formation in humans; partitioning contributions from the cerebral and femoral circulation. <i>Free Radical Biology and Medicine</i> , 2018, 124, 104-113.	1.3	29
38	Effects of submaximal and supramaximal interval training on determinants of endurance performance in endurance athletes. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 318-326.	1.3	17
39	Sympathetic control of the brain circulation: Appreciating the complexities to better understand the controversy. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 207, 37-47.	1.4	100
40	Evidence for hysteresis in the cerebral pressure-flow relationship in healthy men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H701-H704.	1.5	69
41	Compromised Cerebrovascular Regulation and Cerebral Oxygenation in Pulmonary Arterial Hypertension. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	32
42	Impact of type 2 diabetes on cardiorespiratory function and exercise performance. <i>Physiological Reports</i> , 2017, 5, e13145.	0.7	12
43	Uncoupling between cerebral perfusion and oxygenation during incremental exercise in an athlete with postconcussion syndrome: a case report. <i>Physiological Reports</i> , 2017, 5, e13131.	0.7	9
44	Nitrite and <i>S</i> -Nitrosohemoglobin Exchange Across the Human Cerebral and Femoral Circulation. <i>Circulation</i> , 2017, 135, 166-176.	1.6	63
45	Diminished dynamic cerebral autoregulatory capacity with forced oscillations in mean arterial pressure with elevated cardiorespiratory fitness. <i>Physiological Reports</i> , 2017, 5, e13486.	0.7	60
46	Sympathetic Vasoconstrictor Responsiveness of the Leg Vasculature During Experimental Endotoxemia and Hypoxia in Humans. <i>Critical Care Medicine</i> , 2016, 44, 755-763.	0.4	8
47	Rosiglitazone influences adipose tissue distribution without deleterious impact on heart rate variability in coronary heart disease patients with type 2 diabetes. <i>Clinical Autonomic Research</i> , 2016, 26, 407-414.	1.4	6
48	Cerebral blood flow regulation, exercise and pregnancy: why should we care?. <i>Clinical Science</i> , 2016, 130, 651-665.	1.8	6
49	Determinants of Improvement In Left Ventricular Diastolic Function Following a 1-Year Lifestyle Modification Program in Abdominally Obese Men with Features of the Metabolic Syndrome. <i>Metabolic Syndrome and Related Disorders</i> , 2016, 14, 483-491.	0.5	5
50	Physical activity counteracts the influence of mental work on blood pressure in healthy children. <i>Physiology and Behavior</i> , 2016, 164, 102-106.	1.0	2
51	Exercise Intolerance in Heart Failure: Did We Forget the Brain?. <i>Canadian Journal of Cardiology</i> , 2016, 32, 475-484.	0.8	26
52	Impaired cerebral blood flow and oxygenation during exercise in type 2 diabetic patients. <i>Physiological Reports</i> , 2015, 3, e12430.	0.7	38
53	High-Intensity Interval Exercise and Cerebrovascular Health: Curiosity, Cause, and Consequence. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 902-911.	2.4	150
54	Dietary Nitrate improves Cerebral Perfusion, in Young Adults during Exercise: Relationship to Cognitive Performance. <i>FASEB Journal</i> , 2015, 29, 989.2.	0.2	0

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55	Cerebral oxygenation in health and disease. <i>Frontiers in Physiology</i> , 2014, 5, 458.	1.3	7
56	Influence of Norepinephrine and Phenylephrine on Frontal Lobe Oxygenation During Cardiopulmonary Bypass in Patients with Diabetes. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 608-617.	0.6	19
57	Regarding "The Effects of an Exercise and Lifestyle Intervention Program on Cardiovascular, Metabolic Factors and Cognitive Performance in Middle-Aged Adults with Type 2 Diabetes: A Pilot Study. <i>Can J Diabetes</i> 2013;37:214-219"; <i>Canadian Journal of Diabetes</i> , 2014, 38, 221.	0.4	0
58	Current state of knowledge of post-traumatic stress, sleeping problems, obesity and cardiovascular disease in paramedics. <i>Emergency Medicine Journal</i> , 2014, 31, 242-247.	0.4	89
59	Why is the neural control of cerebral autoregulation so controversial?. <i>F1000prime Reports</i> , 2014, 6, 14.	5.9	72
60	Impact of visceral obesity on cardiac parasympathetic activity in type 2 diabetics after coronary artery bypass graft surgery. <i>Obesity</i> , 2013, 21, 1578-1585.	1.5	11
61	Sex Differences in the Effects of Mental Work and Moderate-Intensity Physical Activity on Energy Intake in Young Adults. <i>ISRN Nutrition</i> , 2013, 2013, 1-6.	1.7	13
62	Hypoxia and exercise provoke both lactate release and lactate oxidation by the human brain. <i>FASEB Journal</i> , 2012, 26, 3012-3020.	0.2	69
63	Endotoxemia reduces cerebral perfusion but enhances dynamic cerebrovascular autoregulation at reduced arterial carbon dioxide tension*. <i>Critical Care Medicine</i> , 2012, 40, 1873-1878.	0.4	24
64	Central and Peripheral Blood Flow During Exercise With a Continuous-Flow Left Ventricular Assist Device. <i>Circulation: Heart Failure</i> , 2011, 4, 554-560.	1.6	94
65	Mental Work Influences Cardiovascular Responses Through a Reduction in Cardiac Parasympathetic Modulation in Healthy Adults. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 747.	0.2	1
66	Phenylephrine decreases frontal lobe oxygenation at rest but not during moderately intense exercise. <i>Journal of Applied Physiology</i> , 2010, 108, 1472-1478.	1.2	56
67	Phenylephrine but not Ephedrine Reduces Frontal Lobe Oxygenation Following Anesthesia-Induced Hypotension. <i>Neurocritical Care</i> , 2010, 12, 17-23.	1.2	100
68	Impact of "noncaloric" activity-related factors on the predisposition to obesity in children. <i>Risk Management and Healthcare Policy</i> , 2010, 3, 27.	1.2	3
69	Hemodynamic Stress Echocardiography in Patients Supported With a Continuous-Flow Left Ventricular Assist Device. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 854-859.	2.3	28
70	Evidence for a release of brain-derived neurotrophic factor from the brain during exercise. <i>Experimental Physiology</i> , 2009, 94, 1062-1069.	0.9	709
71	Cerebral non-oxidative carbohydrate consumption in humans driven by adrenaline. <i>Journal of Physiology</i> , 2009, 587, 285-293.	1.3	37
72	Is Elevated PCWP during Exercise Sufficient to Reduce Exercise Capacity in Diabetics?. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1972-1973.	0.2	1

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73	Is Aspartame Really Safer in Reducing the Risk of Hypoglycemia During Exercise in Patients With Type 2 Diabetes?. <i>Diabetes Care</i> , 2007, 30, e59-e59.	4.3	24
74	Normalization of Diastolic Dysfunction in Type 2 Diabetics after Exercise Training. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 1896-1901.	0.2	61
75	Impact of bariatric surgery-induced weight loss on heart rate variability. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 1425-1430.	1.5	62
76	Skeletal muscle endurance and muscle metabolism in patients with chronic heart failure. <i>Canadian Journal of Cardiology</i> , 2006, 22, 387-392.	0.8	21
77	Exercise capacity and impact of exercise training in patients after a Fontan procedure: A review. <i>Canadian Journal of Cardiology</i> , 2006, 22, 489-495.	0.8	45
78	Influence of glycemic control on pulmonary function and heart rate in response to exercise in subjects with type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 1532-1537.	1.5	22
79	Impact of exercise training on muscle function and ergoreflex in Fontan patients: A pilot study. <i>International Journal of Cardiology</i> , 2006, 107, 85-94.	0.8	63
80	Elevated peak exercise systolic blood pressure is not associated with reduced exercise capacity in subjects with Type 2 diabetes. <i>Journal of Applied Physiology</i> , 2006, 101, 893-897.	1.2	12