

# Samuel Je Lucas

## List of Publications by Year in descending order

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145  
papers

5,075  
citations

117625  
34  
h-index

106344  
65  
g-index

154  
all docs

154  
docs citations

154  
times ranked

5285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utility of transcranial Doppler ultrasound for the integrative assessment of cerebrovascular function. <i>Journal of Neuroscience Methods</i> , 2011, 196, 221-237.	2.5	460
2	Elevation in cerebral blood flow velocity with aerobic fitness throughout healthy human ageing. <i>Journal of Physiology</i> , 2008, 586, 4005-4010.	2.9	341
3	Nicotinamide Riboside Augments the Aged Human Skeletal Muscle NAD <sup>+</sup> Metabolome and Induces Transcriptomic and Anti-inflammatory Signatures. <i>Cell Reports</i> , 2019, 28, 1717-1728.e6.	6.4	253
4	Influence of Changes in Blood Pressure on Cerebral Perfusion and Oxygenation. <i>Hypertension</i> , 2010, 55, 698-705.	2.7	239
5	Cerebral blood flow and cerebrovascular reactivity at rest and during sub-maximal exercise: Effect of age and 12-week exercise training. <i>Age</i> , 2013, 35, 905-920.	3.0	161
6	High-Intensity Interval Exercise and Cerebrovascular Health: Curiosity, Cause, and Consequence. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 902-911.	4.3	150
7	“Exercise snacks” before meals: a novel strategy to improve glycaemic control in individuals with insulin resistance. <i>Diabetologia</i> , 2014, 57, 1437-1445.	6.3	134
8	Effect of age on exercise-induced alterations in cognitive executive function: Relationship to cerebral perfusion. <i>Experimental Gerontology</i> , 2012, 47, 541-551.	2.8	128
9	Breathing and sleep at high altitude. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 233-256.	1.6	122
10	Cerebrovascular Regulation During Transient Hypotension and Hypertension in Humans. <i>Hypertension</i> , 2010, 56, 268-273.	2.7	119
11	Near-Infrared Spectroscopy in the Monitoring of Adult Traumatic Brain Injury: A Review. <i>Journal of Neurotrauma</i> , 2015, 32, 933-941.	3.4	119
12	Evidence cerebral blood-flow regulation mediates exercise–cognition links in healthy young adults.. <i>Neuropsychology</i> , 2015, 29, 1-9.	1.3	103
13	Alterations in cerebral blood flow and cerebrovascular reactivity during 14 days at 5050 m. <i>Journal of Physiology</i> , 2011, 589, 741-753.	2.9	92
14	HillTing the brain with exercise: mechanisms, consequences and practical recommendations. <i>Journal of Physiology</i> , 2020, 598, 2513-2530.	2.9	92
15	Fundamental relationships between arterial baroreflex sensitivity and dynamic cerebral autoregulation in humans. <i>Journal of Applied Physiology</i> , 2010, 108, 1162-1168.	2.5	92
16	Losing the dogmatic view of cerebral autoregulation. <i>Physiological Reports</i> , 2021, 9, e14982.	1.7	73
17	Influence of baroreflex-mediated tachycardia on the regulation of dynamic cerebral perfusion during acute hypotension in humans. <i>Journal of Physiology</i> , 2010, 588, 365-371.	2.9	71
18	Conduit artery structure and function in lowlanders and native highlanders: relationships with oxidative stress and role of sympathoexcitation. <i>Journal of Physiology</i> , 2014, 592, 1009-1024.	2.9	71

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19	Respiratory modulation of cardiovagal baroreflex sensitivity. <i>Journal of Applied Physiology</i> , 2009, 107, 718-724.	2.5	70
20	Influence of high altitude on cerebrovascular and ventilatory responsiveness to CO <sub>2</sub> . <i>Journal of Physiology</i> , 2010, 588, 539-549.	2.9	69
21	Lower-limb hot-water immersion acutely induces beneficial hemodynamic and cardiovascular responses in peripheral arterial disease and healthy, elderly controls. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R281-R291.	1.8	68
22	Diminished dynamic cerebral autoregulatory capacity with forced oscillations in mean arterial pressure with elevated cardiorespiratory fitness. <i>Physiological Reports</i> , 2017, 5, e13486.	1.7	60
23	Influence of high altitude on cerebral blood flow and fuel utilization during exercise and recovery. <i>Journal of Physiology</i> , 2014, 592, 5507-5527.	2.9	59
24	Cerebrovascular and corticomotor function during progressive passive hyperthermia in humans. <i>Journal of Applied Physiology</i> , 2012, 112, 748-758.	2.5	58
25	Alterations in autonomic function and cerebral hemodynamics to orthostatic challenge following a mountain marathon. <i>Journal of Applied Physiology</i> , 2007, 103, 88-96.	2.5	52
26	Dietary flavanols improve cerebral cortical oxygenation and cognition in healthy adults. <i>Scientific Reports</i> , 2020, 10, 19409.	3.3	48
27	Intensity and physiological strain of competitive ultra-endurance exercise in humans. <i>Journal of Sports Sciences</i> , 2008, 26, 477-489.	2.0	44
28	Shining a Light on Awareness: A Review of Functional Near-Infrared Spectroscopy for Prolonged Disorders of Consciousness. <i>Frontiers in Neurology</i> , 2018, 9, 350.	2.4	43
29	Influence of indomethacin on ventilatory and cerebrovascular responsiveness to CO <sub>2</sub> and breathing stability: the influence of P <sub>a</sub> CO <sub>2</sub> gradients. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1648-R1658.	1.8	42
30	Influence of sympathoexcitation at high altitude on cerebrovascular function and ventilatory control in humans. <i>Journal of Applied Physiology</i> , 2012, 113, 1058-1067.	2.5	42
31	Cerebral Pressure-Flow Relationship in Lowlanders and Natives at High Altitude. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 248-257.	4.3	40
32	Substantive hemodynamic and thermal strain upon completing lower-limb hot-water immersion; comparisons with treadmill running. <i>Temperature</i> , 2016, 3, 286-297.	3.0	40
33	Neurovascular coupling and cerebral autoregulation in atrial fibrillation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1647-1657.	4.3	38
34	The impact of 100 hours of exercise and sleep deprivation on cognitive function and physical capacities. <i>Journal of Sports Sciences</i> , 2009, 27, 719-728.	2.0	37
35	Mood, Illness and Injury Responses and Recovery with Adventure Racing. <i>Wilderness and Environmental Medicine</i> , 2008, 19, 30-38.	0.9	34
36	Diurnal variation in time to presyncope and associated circulatory changes during a controlled orthostatic challenge. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R55-R61.	1.8	34

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37	Slow breathing as a means to improve orthostatic tolerance: a randomized sham-controlled trial. <i>Journal of Applied Physiology</i> , 2013, 115, 202-211.	2.5	34
38	Reliability of Contrast-Enhanced Ultrasound for the Assessment of Muscle Perfusion in Health and Peripheral Arterial Disease. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 26-34.	1.5	34
39	Effects of acetazolamide on cerebrovascular function and breathing stability at 5050 m. <i>Journal of Physiology</i> , 2012, 590, 1213-1225.	2.9	32
40	Cerebral hemodynamics during graded Valsalva maneuvers. <i>Frontiers in Physiology</i> , 2014, 5, 349.	2.8	32
41	Resting pulmonary haemodynamics and shunting: a comparison of sea-level inhabitants to high altitude Sherpas. <i>Journal of Physiology</i> , 2014, 592, 1397-1409.	2.9	31
42	Mechanisms of orthostatic intolerance following very prolonged exercise. <i>Journal of Applied Physiology</i> , 2008, 105, 213-225.	2.5	30
43	Worsening of central sleep apnea at high altitude—a role for cerebrovascular function. <i>Journal of Applied Physiology</i> , 2013, 114, 1021-1028.	2.5	29
44	Mild dehydration modifies the cerebrovascular response to the cold pressor test. <i>Experimental Physiology</i> , 2016, 101, 135-142.	2.0	29
45	Cerebral Oxygenation in Traumatic Brain Injury: Can a Non-Invasive Frequency Domain Near-Infrared Spectroscopy Device Detect Changes in Brain Tissue Oxygen Tension as Well as the Established Invasive Monitor?. <i>Journal of Neurotrauma</i> , 2019, 36, 1175-1183.	3.4	28
46	The CO <sub>2</sub> stimulus duration and steady-state time point used for data extraction alters the cerebrovascular reactivity outcome measure. <i>Experimental Physiology</i> , 2020, 105, 893-903.	2.0	28
47	Cognitive Difficulty Intensifies Age-related Changes in Anterior Frontal Hemodynamics: Novel Evidence from Near-infrared Spectroscopy. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 181-188.	3.6	27
48	Advances in the available non-biological pharmacotherapy prevention and treatment of acute mountain sickness and high altitude cerebral and pulmonary oedema. <i>Expert Opinion on Pharmacotherapy</i> , 2018, 19, 1891-1902.	1.8	27
49	Influence of indomethacin on the ventilatory and cerebrovascular responsiveness to hypoxia. <i>European Journal of Applied Physiology</i> , 2011, 111, 601-610.	2.5	26
50	Frequency-domain vs continuous-wave near-infrared spectroscopy devices: a comparison of clinically viable monitors in controlled hypoxia. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 967-974.	1.6	26
51	The effect of partial acclimatization to high altitude on loop gain and central sleep apnoea severity. <i>Respirology</i> , 2012, 17, 835-840.	2.3	25
52	Hypoxia, not pulmonary vascular pressure, induces blood flow through intrapulmonary arteriovenous anastomoses. <i>Journal of Physiology</i> , 2015, 593, 723-737.	2.9	25
53	Fine wine or sour grapes? A systematic review and meta-analysis of the impact of red wine polyphenols on vascular health. <i>European Journal of Nutrition</i> , 2021, 60, 1-28.	3.9	23
54	The effect of hypercapnia on static cerebral autoregulation. <i>Physiological Reports</i> , 2014, 2, e12059.	1.7	22

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55	Postexercise orthostatic intolerance: influence of exercise intensity. <i>Experimental Physiology</i> , 2015, 100, 915-925.	2.0	22
56	Brain train to combat brain drain; focus on exercise strategies that optimize neuroprotection. <i>Experimental Physiology</i> , 2016, 101, 1178-1184.	2.0	22
57	Exacerbation of Obstructive Sleep Apnea by Oral Indomethacin. <i>Chest</i> , 2010, 137, 707-710.	0.8	21
58	Exhaled nitric oxide and pulmonary artery pressures during graded ascent to high altitude. <i>Respiratory Physiology and Neurobiology</i> , 2011, 177, 213-217.	1.6	21
59	Initial orthostatic hypotension and cerebral blood flow regulation: effect of $\beta_1$ -adrenoreceptor activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R147-R154.	1.8	21
60	Swimming-related effects on cerebrovascular and cognitive function. <i>Physiological Reports</i> , 2019, 7, e14247.	1.7	21
61	Nine-, but Not Four-Days Heat Acclimation Improves Self-Paced Endurance Performance in Females. <i>Frontiers in Physiology</i> , 2019, 10, 539.	2.8	21
62	Near-infrared spectroscopy reveals link between chronic physical activity and anterior frontal oxygenated hemoglobin in healthy young women. <i>Psychophysiology</i> , 2015, 52, 609-617.	2.4	20
63	Increased fat oxidation and regulation of metabolic genes with ultraendurance exercise. <i>Acta Physiologica</i> , 2007, 191, 77-86.	3.8	19
64	Exercise-induced wheeze: Fraction of exhaled nitric oxide-directed management. <i>Respirology</i> , 2010, 15, 683-690.	2.3	19
65	Integrative physiological and behavioural responses to sudden cold-water immersion are similar in skilled and less-skilled swimmers. <i>Physiology and Behavior</i> , 2015, 138, 254-259.	2.1	19
66	Isolating the independent effects of hypoxia and hyperventilation-induced hypocapnia on cerebral haemodynamics and cognitive function. <i>Experimental Physiology</i> , 2019, 104, 1482-1493.	2.0	19
67	Concurrent brain endurance training improves endurance exercise performance. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 405-411.	1.3	19
68	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.	2.9	17
69	Evidence for temperature-mediated regional increases in cerebral blood flow during exercise. <i>Journal of Physiology</i> , 2020, 598, 1459-1473.	2.9	17
70	Responses to Sudden Cold-Water Immersion in Inexperienced Swimmers Following Training. <i>Aviation, Space, and Environmental Medicine</i> , 2013, 84, 850-855.	0.5	16
71	The cerebrovascular response to graded Valsalva maneuvers while standing. <i>Physiological Reports</i> , 2014, 2, e00233.	1.7	16
72	Hemodynamic Response to Upright Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 479-487.	0.4	16

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73	Low-Volume Intense Exercise Elicits Post-exercise Hypotension and Subsequent Hypervolemia, Irrespective of Which Limbs Are Exercised. <i>Frontiers in Physiology</i> , 2016, 7, 199.	2.8	16
74	Increasing cerebral blood flow reduces the severity of central sleep apnea at high altitude. <i>Journal of Applied Physiology</i> , 2018, 124, 1341-1348.	2.5	16
75	Implications of habitual endurance and resistance exercise for dynamic cerebral autoregulation. <i>Experimental Physiology</i> , 2019, 104, 1780-1789.	2.0	16
76	Impaired Cerebrovascular Reactivity in Patients With Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1230-1232.	2.8	16
77	Contrasting Measures of Cerebrovascular Reactivity Between MRI and Doppler: A Cross-Sectional Study of Younger and Older Healthy Individuals. <i>Frontiers in Physiology</i> , 2021, 12, 656746.	2.8	16
78	Initial Orthostatic Hypotension at High Altitude. <i>High Altitude Medicine and Biology</i> , 2010, 11, 163-167.	0.9	15
79	$\dot{V}_{O2}$ -Adrenoreceptor activity does not explain lower morning endothelial-dependent, flow-mediated dilation in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1437-R1442.	1.8	15
80	Swimming in warm water is ineffective in heat acclimation and is non-ergogenic for swimmers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 277-286.	2.9	15
81	Advances in Exercise, Physical Activity, and Diabetes Mellitus. <i>Diabetes Technology and Therapeutics</i> , 2016, 18, S-76-S-85.	4.4	15
82	Is There Diurnal Variation in Initial and Delayed Orthostatic Hypotension During Standing and Head-up Tilt?. <i>Chronobiology International</i> , 2011, 28, 135-145.	2.0	14
83	Cerebrovascular responses during rowing: Do circadian rhythms explain morning and afternoon performance differences?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 467-475.	2.9	14
84	Cerebral Blood Flow Responses to Aquatic Treadmill Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1305-1312.	0.4	14
85	A novel mixed living high training low intervention and the hematological module of the athlete biological passport. <i>Drug Testing and Analysis</i> , 2020, 12, 323-330.	2.6	14
86	Cerebral Hemodynamic and Neurotrophic Factor Responses Are Dependent on the Type of Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 609935.	2.8	14
87	Influence of Cerebral Blood Flow on Central Sleep Apnea at High Altitude. <i>Sleep</i> , 2014, 37, 1679-1687.	1.1	13
88	Higher physical fitness levels are associated with less language decline in healthy ageing. <i>Scientific Reports</i> , 2018, 8, 6715.	3.3	13
89	Diurnal Variations in Vascular Endothelial Vasodilation Are Influenced by Chronotype in Healthy Humans. <i>Frontiers in Physiology</i> , 2019, 10, 901.	2.8	13
90	Investigating links between habitual physical activity, cerebrovascular function, and cognitive control in healthy older adults. <i>Neuropsychologia</i> , 2019, 125, 62-69.	1.6	13

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91	Intermittent post-exercise sauna bathing improves markers of exercise capacity in hot and temperate conditions in trained middle-distance runners. <i>European Journal of Applied Physiology</i> , 2021, 121, 621-635.	2.5	13
92	Middle cerebral artery blood flow velocity in response to lower body positive pressure. <i>Clinical Physiology and Functional Imaging</i> , 2013, 33, 483-488.	1.2	12
93	Heat and Dehydration Additively Enhance Cardiovascular Outcomes following Orthostatically-Stressful Calisthenics Exercise. <i>Frontiers in Physiology</i> , 2017, 8, 756.	2.8	12
94	Geographic components of SARS-CoV-2 expansion: a hypothesis. <i>Journal of Applied Physiology</i> , 2020, 129, 257-262.	2.5	12
95	Exercise-induced elevations in cerebral blood velocity are greater in running compared to cycling at higher intensities. <i>Physiological Reports</i> , 2020, 8, e14539.	1.7	12
96	Indomethacin markedly blunts cerebral perfusion and reactivity, with little cognitive consequence in healthy young and older adults. <i>Journal of Physiology</i> , 2021, 599, 1097-1113.	2.9	12
97	The Acute Cardiorespiratory and Cerebrovascular Response to Resistance Exercise. <i>Sports Medicine - Open</i> , 2021, 7, 36.	3.1	12
98	Effect of Whole-Body Vibration Therapy on Performance Recovery. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 388-395.	2.3	11
99	Acetazolamide reduces exercise capacity following a 5-day ascent to 4559 m in a randomised study. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000302.	2.9	11
100	Moving in extreme environments: extreme loading; carriage versus distance. <i>Extreme Physiology and Medicine</i> , 2016, 5, 6.	2.5	10
101	Measuring resting cerebral haemodynamics using MRI arterial spin labelling and transcranial Doppler ultrasound: Comparison in younger and older adults. <i>Brain and Behavior</i> , 2021, 11, e02126.	2.2	10
102	Chemoreceptor Responsiveness at Sea Level Does Not Predict the Pulmonary Pressure Response to High Altitude. <i>Chest</i> , 2015, 148, 219-225.	0.8	9
103	A Systematic Review and Meta-Analysis Examining Whether Changing Ovarian Sex Steroid Hormone Levels Influence Cerebrovascular Function. <i>Frontiers in Physiology</i> , 2021, 12, 687591.	2.8	9
104	The Effect of Time-of-Day and Sympathetic $\beta$ -Blockade on Orthostatic Tolerance. <i>Chronobiology International</i> , 2012, 29, 882-890.	2.0	7
105	Similar metabolic response to lower- versus upper-body interval exercise or endurance exercise. <i>Metabolism: Clinical and Experimental</i> , 2017, 68, 1-10.	3.4	7
106	Assessment of the cerebral pressure-flow relationship using psychological stress to manipulate blood pressure. <i>Psychophysiology</i> , 2018, 55, e13265.	2.4	7
107	Cerebrovascular regulation is not blunted during mental stress. <i>Experimental Physiology</i> , 2019, 104, 1678-1687.	2.0	7
108	Acute exercise-related cognitive effects are not attributable to changes in end-tidal CO <sub>2</sub> or cerebral blood velocity. <i>European Journal of Applied Physiology</i> , 2020, 120, 1637-1649.	2.5	7



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109	The cardiovascular risk factor, soluble CD40 ligand (CD154), but not soluble CD40 is lowered by ultra-endurance exercise in athletes. British Journal of Sports Medicine, 2011, 45, 42-45.	6.7	6
110	A pilot study to assess the effect of acute exercise on brain glutathione. Free Radical Research, 2018, 52, 57-69.	3.3	6
111	Infrared Thermographic Analysis of Surface Temperature of the Hands During Exposure to Normobaric Hypoxia. High Altitude Medicine and Biology, 2018, 19, 388-393.	0.9	6
112	Regulation of cerebral blood flow by arterial $PCO_2$ independent of metabolic acidosis at 5050m. Journal of Physiology, 2021, 599, 3513-3530.	2.9	6
113	Profound hyperventilation and development of periodic breathing during exceptional orthostatic stress in a 21-year-old man. Respiratory Physiology and Neurobiology, 2011, 177, 66-70.	1.6	4
114	Improving the quantitative accuracy of cerebral oxygen saturation in monitoring the injured brain using atlas based Near Infrared Spectroscopy models. Journal of Biophotonics, 2016, 9, 812-826.	2.3	4
115	The Valsalva maneuver: an indispensable physiological tool to differentiate intra versus extracranial near-infrared signal. Biomedical Optics Express, 2020, 11, 1712.	2.9	4
116	Baseline Psychological Traits Contribute to Lake Louise Acute Mountain Sickness Score at High Altitude. High Altitude Medicine and Biology, 2022, 23, 69-77.	0.9	4
117	Does Arterial Health Affect $\dot{V}A\cdot O_2$ peak and Muscle Oxygenation in a Sedentary Cohort?. Medicine and Science in Sports and Exercise, 2015, 47, 272-279.	0.4	3
118	Assessing Cerebrovascular Responsiveness. Medicine and Science in Sports and Exercise, 2017, 49, 825.	0.4	3
119	Hypoxia is not the primary mechanism contributing to exercise-induced proteinuria. BMJ Open Sport and Exercise Medicine, 2020, 6, e000662.	2.9	3
120	Sex differences in adaptation to intermittent post-exercise sauna bathing in trained middle-distance runners. Sports Medicine - Open, 2021, 7, 51.	3.1	3
121	Physiological responses to a five-day adventure race: Continuous blood glucose, hemodynamics and metabolites the 2012 GODZone field-study. Journal of Exercise Science and Fitness, 2018, 16, 78-82.	2.2	2
122	Acetazolamide can impair exercise performance; it depends upon the cohort studied. Journal of Applied Physiology, 2020, 128, 1457-1457.	2.5	2
123	Effect of losartan on performance and physiological responses to exercise at high altitude (5035 m). BMJ Open Sport and Exercise Medicine, 2021, 7, e000982.	2.9	2
124	Imaging Cerebral Blood Flow for Brain Health Measurement. , 2022, , 126-135.		2
125	Response to The Cerebrovascular Pressure-Flow Relationship: A Simple Concept But a Complex Phenomenon. Hypertension, 2010, 56, .	2.7	1
126	Hot-water immersion increases popliteal artery shear stress in Peripheral Arterial Disease. Extreme Physiology and Medicine, 2015, 4, .	2.5	1



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127	Comparison of neurological NIRS signals during standing Valsalva maneuvers, pre and post vasoconstrictor injection. , 2015, , .		1
128	Comparison of near infrared spectroscopy with functional MRI for detection of physiological changes in the brain independent of superficial tissue. Lancet, The, 2016, 387, S34.	13.7	1
129	Losartan Does Not Affect Maximal Exercise Performance at High Altitude (5000 m). Medicine and Science in Sports and Exercise, 2017, 49, 250.	0.4	1
130	Monitoring the Injured Brain “ Registered, patient specific atlas models to improve accuracy of recovered brain saturation values. , 2015, , .		1
131	Postexercise urinary alpha-1 acid glycoprotein is not dependent on hypoxia. Journal of Applied Physiology, 2022, 132, 261-269.	2.5	1
132	Environmental physiology research presented at ICEE2013. Extreme Physiology and Medicine, 2013, 2, 22.	2.5	0
133	Haematological adaptations to High Intensity Interval Training (HIIT) in temperate and hot environments. Extreme Physiology and Medicine, 2015, 4, .	2.5	0
134	Exercising Our Brains, Muscles and Cells to Fight the Ageing Process. Science Progress, 2015, 98, 413-415.	1.9	0
135	Monitoring the injured brain: registered, patient specific atlas models to improve accuracy of recovered brain saturation values. Proceedings of SPIE, 2015, , .	0.8	0
136	Effect Of Aquatic-treadmill Training On Cerebrovascular Function In Community-dwelling Stroke Survivors. Medicine and Science in Sports and Exercise, 2017, 49, 30.	0.4	0
137	[ICâ€159]: A COMPARISON OF BRAIN IMAGING MODALITIES AND ANALYSIS APPROACHES FOR MEASURES OF CEREBROVASCULAR RESPONSIVENESS. Alzheimer's and Dementia, 2017, 13, P121.	0.8	0
138	[P1â€610]: HIGHER AEROBIC FITNESS IMPROVES PERFORMANCE ON COGNITIVE TASKS AND MEASURES OF QUALITY OF LIFE: A CROSSâ€SECTIONAL STUDY OF YOUNG AND OLD INDIVIDUALS. Alzheimer's and Dementia, 2017, 13, P529.	0.8	0
139	Altered Fluid Balance During 100 Hours Of Exercise And Sleep Deprivation. Medicine and Science in Sports and Exercise, 2005, 37, S405.	0.4	0
140	Assessing the quantitative accuracy of continuous wave and frequency domain near infrared spectroscopy for detecting hypoxia in patients with traumatic brain injury. , 2016, , .		0
141	Monitoring the Injured Brain “ High density near infrared probes and registered atlas models improve cerebral saturation recovery. , 2016, , .		0
142	Effect of increasing cerebral blood flow on sleep architecture at high altitude. , 2016, , .		0
143	Neurovascular Coupling is Blunted in Atrial Fibrillation. FASEB Journal, 2019, 33, 696.3.	0.5	0
144	Effect of Cerebral Blood Flow on Cognition across Healthy Adulthood. FASEB Journal, 2020, 34, 1-1.	0.5	0

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145	Subject specific atlas-based frequency domain diffuse optical tomography. , 2021, , .		0