Damian M Bailey

List of Publications by Year
in descending order

207 papers	7,550 citations	50276 46 h-index	64796 79 g-index
211 all docs	211 docs citations	211 times ranked	7379 citing authors

#	Article	IF	Citations
1	13 reasons why the brain is susceptible to oxidative stress. Redox Biology, 2018, 15, 490-503.	9.0	738
2	Utility of transcranial Doppler ultrasound for the integrative assessment of cerebrovascular function. Journal of Neuroscience Methods, 2011, 196, 221-237.	2.5	460
3	Influence of cold-water immersion on indices of muscle damage following prolonged intermittent shuttle running. Journal of Sports Sciences, 2007, 25, 1163-1170.	2.0	183
4	Emerging concepts in acute mountain sickness and high-altitude cerebral edema: from the molecular to the morphological. Cellular and Molecular Life Sciences, 2009, 66, 3583-3594.	5.4	178
5	Elevated Aerobic Fitness Sustained Throughout the Adult Lifespan Is Associated With Improved Cerebral Hemodynamics. Stroke, 2013, 44, 3235-3238.	2.0	175
6	Hypoxemia, oxygen content, and the regulation of cerebral blood flow. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R398-R413.	1.8	171
7	Acute Mountain Sickness: Controversies and Advances. High Altitude Medicine and Biology, 2004, 5, 110-124.	0.9	159
8	Magnetic Resonance Imaging Evidence of Cytotoxic Cerebral Edema in Acute Mountain Sickness. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1064-1071.	4.3	154
9	High-Intensity Interval Exercise and Cerebrovascular Health: Curiosity, Cause, and Consequence. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 902-911.	4.3	150
10	Acute Mountain Sickness; Prophylactic Benefits of Antioxidant Vitamin Supplementation at High Altitude. High Altitude Medicine and Biology, 2001, 2, 21-29.	0.9	135
11	Physiological implications of altitude training for endurance performance at sea level: a review.. British Journal of Sports Medicine, 1997, 31, 183-190.	6.7	131
12	Neuro-oxidative-nitrosative stress in sepsis. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1532-1544.	4.3	125
13	Regulation of free radical outflow from an isolated muscle bed in exercising humans. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H1689-H1699.	3.2	119
14	Free Radical-Mediated Damage to Barrier Function is not Associated with Altered Brain Morphology in High-Altitude Headache. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 99-111.	4.3	116
15	Impaired cerebral haemodynamic function associated with chronic traumatic brain injury in professional boxers. Clinical Science, 2013, 124, 177-189.	4.3	111
16	Intermittent hypoxic training: implications for lipid peroxidation induced by acute normoxic exercise in active men. Clinical Science, 2001, 101, 465-475.	4.3	104
17	Microhemorrhages in Nonfatal High-Altitude Cerebral Edema. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1635-1642.	4.3	99
18	Exercise-induced brachial artery vasodilation: role of free radicals. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1516-H1522.	3.2	98

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19	Increased cerebral output of free radicals during hypoxia: implications for acute mountain sickness?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1283-R1292.	1.8	92
20	HIITing the brain with exercise: mechanisms, consequences and practical recommendations. Journal of Physiology, 2020, 598, 2513-2530.	2.9	92
21	High-Intensity Interval Training After Stroke: An Opportunity to Promote Functional Recovery, Cardiovascular Health, and Neuroplasticity. Neurorehabilitation and Neural Repair, 2018, 32, 543-556.	2.9	89
22	Altered free radical metabolism in acute mountain sickness: implications for dynamic cerebral autoregulation and bloodâ€“brain barrier function. Journal of Physiology, 2009, 587, 73-85.	2.9	88
23	High-altitude pulmonary hypertension is associated with a free radical-mediated reduction in pulmonary nitric oxide bioavailability. Journal of Physiology, 2010, 588, 4837-4847.	2.9	88
24	Training in hypoxia: modulation of metabolic and cardiovascular risk factors in men. Medicine and Science in Sports and Exercise, 2000, 32, 1058-1066.	0.4	87
25	Electron paramagnetic spectroscopic evidence of exercise-induced free radical accumulation in human skeletal muscle. Free Radical Research, 2007, 41, 182-190.	3.3	83
26	Oral antioxidants and cardiovascular health in the exercise-trained and untrained elderly: a radically different outcome. Clinical Science, 2009, 116, 433-441.	4.3	82
27	Exercise-induced oxidative-nitrosative stress is associated with impaired dynamic cerebral autoregulation and blood-brain barrier leakage. Experimental Physiology, 2011, 96, 1196-1207.	2.0	81
28	EPR spectroscopic detection of free radical outflow from an isolated muscle bed in exercising humans. Journal of Applied Physiology, 2003, 94, 1714-1718.	2.5	80
29	Exercise, free radicals, and lipid peroxidation in type 1 diabetes mellitus. Free Radical Biology and Medicine, 2002, 33, 1543-1551.	2.9	78
30	Exercise redox biochemistry: Conceptual, methodological and technical recommendations. Redox Biology, 2017, 12, 540-548.	9.0	75
31	Oxidative-Nitrosative Stress and Systemic Vascular Function in Highlanders With and Without Exaggerated Hypoxemia. Chest, 2013, 143, 444-451.	0.8	73
32	Dynamic cerebral autoregulation is attenuated in young fit women. Physiological Reports, 2019, 7, e13984.	1.7	72
33	Pathophysiological significance of peroxidative stress, neuronal damage, and membrane permeability in acute mountain sickness. Journal of Applied Physiology, 2004, 96, 1459-1463.	2.5	71
34	Conduit artery structure and function in lowlanders and native highlanders: relationships with oxidative stress and role of sympathoexcitation. Journal of Physiology, 2014, 592, 1009-1024.	2.9	71
35	Systemic Vascular Dysfunction in Patients With Chronic Mountain Sickness. Chest, 2012, 141, 139-146.	0.8	70
36	The relationship between total-body mass, fat-free mass and cycle ergometry power components during 20 seconds of maximal exercise. Journal of Science and Medicine in Sport, 2001, 4, 1-9.	1.3	69

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37	Implications of moderate altitude training for sea-level endurance in elite distance runners. European Journal of Applied Physiology, 1998, 78, 360-368.	2.5	68
38	Metabolic implications of resistive force selection for oxidative stress and markers of muscle damage during 30ï¿½s of high-intensity exercise. European Journal of Applied Physiology, 2004, 92, 321-7.	2.5	65
39	Vitamin C prophylaxis promotes oxidative lipid damage during surgical ischemiaâ€“reperfusion. Free Radical Biology and Medicine, 2006, 40, 591-600.	2.9	63
40	Nitrite and S -Nitrosohemoglobin Exchange Across the Human Cerebral and Femoral Circulation. Circulation, 2017, 135, 166-176.	1.6	63
41	Diminished dynamic cerebral autoregulatory capacity with forced oscillations in mean arterial pressure with elevated cardiorespiratory fitness. Physiological Reports, 2017, 5, e13486.	1.7	60
42	No evidence for interstitial lung oedema by extensive pulmonary function testing at 4,559 m. European Respiratory Journal, 2010, 35, 812-820.	6.7	58
43	Sedentary aging increases resting and exercise-induced intramuscular free radical formation. Journal of Applied Physiology, 2010, 109, 449-456.	2.5	58
44	Exerciseâ€induced lipid peroxidation: Implications for deoxyribonucleic acid damage and systemic free radical generation. Environmental and Molecular Mutagenesis, 2011, 52, 35-42.	2.2	55
45	Exaggerated systemic oxidativeâ€inflammatoryâ€nitrosative stress in chronic mountain sickness is associated with cognitive decline and depression. Journal of Physiology, 2019, 597, 611-629.	2.9	55
46	Oxygen, evolution and redox signalling in the human brain; quantum in the quotidian. Journal of Physiology, 2019, 597, 15-28.	2.9	54
47	Nitric oxide is fundamental to neurovascular coupling in humans. Journal of Physiology, 2020, 598, 4927-4939.	2.9	51
48	Acute Exercise Stress Reveals Cerebrovascular Benefits Associated with Moderate Gains in Cardiorespiratory Fitness. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1873-1876.	4.3	50
49	Transpulmonary Plasma ET-1 and Nitrite Differences in High Altitude Pulmonary Hypertension. High Altitude Medicine and Biology, 2009, 10, 17-24.	0.9	49
50	RV Contractility and Exercise-Induced Pulmonary Hypertension in Chronic Mountain Sickness. JACC: Cardiovascular Imaging, 2013, 6, 1287-1297.	5.3	46
51	Elevated Plasma Cholecystokinin at High Altitude: Metabolic Implications for the Anorexia of Acute Mountain Sickness. High Altitude Medicine and Biology, 2000, 1, 9-23.	0.9	45
52	Physical exercise and normobaric hypoxia: independent modulators of peripheral cholecystokinin metabolism in man. Journal of Applied Physiology, 2001, 90, 105-113.	2.5	45
53	Global REACH 2018. Hypertension, 2019, 73, 1327-1335.	2.7	44
54	Evidence against redox regulation of energy homoeostasis in humans at high altitude. Clinical Science, 2004, 107, 589-600.	4.3	40

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55	On the antioxidant properties of erythropoietin and its association with the oxidative-nitrosative stress response to hypoxia in humans. Acta Physiologica, 2014, 212, 175-187.	3.8	40
56	Intermittent hypoxic training: implications for lipid peroxidation induced by acute normoxic exercise in active men. Clinical Science, 2001, 101, 465-75.	4.3	39
57	The effect of oral antioxidants on brachial artery flow-mediated dilation following 5 and 10Âmin of ischemia. European Journal of Applied Physiology, 2009, 107, 445-453.	2.5	36
58	Cerebral oxidative metabolism is decreased with extreme apnoea in humans; impact of hypercapnia. Journal of Physiology, 2016, 594, 5317-5328.	2.9	36
59	Peripheral Blood and Salivary Biomarkers of Bloodâ€“Brain Barrier Permeability and Neuronal Damage: Clinical and Applied Concepts. Frontiers in Neurology, 2020, 11, 577312.	2.4	36
60	Regional redistribution of blood flow in the external and internal carotid arteries during acute hypotension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R747-R751.	1.8	34
61	Time Course Variations in the Mechanisms by Which Cerebral Oxygen Delivery Is Maintained on Exposure to Hypoxia/Altitude. High Altitude Medicine and Biology, 2014, 15, 21-27.	0.9	33
62	A potential role for free radical-mediated skeletal muscle soreness in the pathophysiology of acute mountain sickness. Aviation, Space, and Environmental Medicine, 2001, 72, 513-21.	0.5	32
63	Transcerebral Exchange Kinetics of Nitrite and Calcitonin Gene-Related Peptide in Acute Mountain Sickness. Stroke, 2009, 40, 2205-2208.	2.0	31
64	Internal Carotid Artery Occlusion. Vascular and Endovascular Surgery, 2013, 47, 603-607.	0.7	31
65	Neutrophil to Lymphocyte Ratio Predicts Perioperative Mortality Following Open Elective Repair of Abdominal Aortic Aneurysms. Vascular and Endovascular Surgery, 2014, 48, 311-316.	0.7	31
66	Antioxidants improve vascular function in children conceived by assisted reproductive technologies: A randomized double-blind placebo-controlled trial. European Journal of Preventive Cardiology, 2015, 22, 1399-1407.	1.8	31
67	The cardiopulmonary exercise test grey zone; optimising fitness stratification by application of critical difference. British Journal of Anaesthesia, 2018, 120, 1187-1194.	3.4	29
68	Hypoxia compounds exercise-induced free radical formation in humans; partitioning contributions from the cerebral and femoral circulation. Free Radical Biology and Medicine, 2018, 124, 104-113.	2.9	29
69	Edited MRS is sensitive to changes in lactate concentration during inspiratory hypoxia. Journal of Magnetic Resonance Imaging, 2010, 32, 320-325.	3.4	28
70	Surviving Without Oxygen: How Low Can the Human Brain Go?. High Altitude Medicine and Biology, 2017, 18, 73-79.	0.9	28
71	Stress and Burnout in Training; Requiem for the Surgical Dream. Journal of Surgical Education, 2020, 77, e1-e8.	2.5	28
72	Manipulation of systemic oxygen flux by acute exercise and normobaric hypoxia: implications for reactive oxygen species generation. Clinical Science, 2006, 110, 133-141.	4.3	27

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73	Molecular detection of exercise-induced free radicals following ascorbate prophylaxis in type 1 diabetes mellitus: a randomised controlled trial. Diabetologia, 2008, 51, 2049-2059.	6.3	27
74	Hypercapnia is essential to reduce the cerebral oxidative metabolism during extreme apnea in humans. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3231-3242.	4.3	27
75	The impact of hypoxaemia on vascular function in lowlanders and high altitude indigenous populations. Journal of Physiology, 2019, 597, 5759-5776.	2.9	27
76	Endurance training during a twin pregnancy in a marathon runner. Lancet, The, 1998, 351, 1182.	13.7	26
77	Cardiopulmonary fitness predicts postoperative major morbidity after esophagectomy for patients with cancer. Physiological Reports, 2019, 7, e14174.	1.7	26
78	Oxygen and brain death; back from the brink. Experimental Physiology, 2019, 104, 1769-1779.	2.0	25
79	Continuous and intermittent exposure to the hypoxia of altitude: implications for glutamine metabolism and exercise performance. British Journal of Sports Medicine, 2000, 34, 210-212.	6.7	24
80	The 2018 Global Research Expedition on Altitude Related Chronic Health (Global REACH) to Cerro de Pasco, Peru: an Experimental Overview. Experimental Physiology, 2021, 106, 86-103.	2.0	24
81	Symptoms of Infection and Acute Mountain Sickness; Associated Metabolic Sequelae and Problems in Differential Diagnosis. High Altitude Medicine and Biology, 2003, 4, 319-331.	0.9	23
82	Cerebral Formation of Free Radicals during Hypoxia Does Not Cause Structural Damage and is Associated with a Reduction in Mitochondrial PO₂; Evidence of O₂-Sensing in Humans?. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1020-1026.	4.3	23
83	Brain train to combat brain drain; focus on exercise strategies that optimize neuroprotection. Experimental Physiology, 2016, 101, 1178-1184.	2.0	22
84	Competitive apnea and its effect on the human brain: focus on the redox regulation of bloodâ€brain barrier permeability and neuronalâ€parenchymal integrity. FASEB Journal, 2018, 32, 2305-2314.	0.5	22
85	Heterogeneous Regulation of Brain Blood Flow during Low-Intensity Resistance Exercise. Medicine and Science in Sports and Exercise, 2016, 48, 1829-1834.	0.4	21
86	Nitric oxide contributes to cerebrovascular shearâ€mediated dilatation but not steadyâ€state cerebrovascular reactivity to carbon dioxide. Journal of Physiology, 2022, 600, 1385-1403.	2.9	21
87	Cerebral blood flow and oxygen metabolism measured with the Ketyâ€“Schmidt method using nitrous oxide. Acta Anaesthesiologica Scandinavica, 2009, 53, 159-167.	1.6	20
88	Manipulation of central blood volume and implications for respiratory control function. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1669-H1678.	3.2	20
89	Cardiorespiratory fitness is impaired and predicts midâ€term postoperative survival in patients with abdominal aortic aneurysm disease. Experimental Physiology, 2018, 103, 1505-1512.	2.0	20
90	Erythropoietin Depletes Iron Stores: Antioxidant Neuroprotection for Ischemic Stroke?. Stroke, 2006, 37, 2453-2453.	2.0	19

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91	Sea-Level Assessment of Dynamic Cerebral Autoregulation Predicts Susceptibility to Acute Mountain Sickness at High Altitude. Stroke, 2011, 42, 3628-3630.	2.0	19
92	Temporal dynamics of lactate concentration in the human brain during acute inspiratory hypoxia. Journal of Magnetic Resonance Imaging, 2013, 37, 739-745.	3.4	18
93	Lessons from the laboratory; integrated regulation of cerebral blood flow during hypoxia. Experimental Physiology, 2016, 101, 1160-1166.	2.0	18
94	Hypoxemia increases blood-brain barrier permeability during extreme apnea in humans. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1120-1135.	4.3	18
95	In vitroelectron paramagnetic resonance characterization of free radicals: Relevance to exercise-induced lipid peroxidation and implications of ascorbate prophylaxis. Free Radical Research, 2008, 42, 379-386.	3.3	17
96	Critical difference applied to exercise-induced oxidative stress: the dilemma of distinguishing biological from statistical change. Journal of Physiology and Biochemistry, 2012, 68, 377-384.	3.0	17
97	Systemic oxidativeâ€“nitrosativeâ€“inflammatory stress during acute exercise in hypoxia; implications for microvascular oxygenation and aerobic capacity. Experimental Physiology, 2014, 99, 1648-1662.	2.0	17
98	Effects of submaximal and supramaximal interval training on determinants of endurance performance in endurance athletes. Scandinavian Journal of Medicine and Science in Sports, 2017, 27, 318-326.	2.9	17
99	Cardiorespiratory fitness is associated with increased middle cerebral arterial compliance and decreased cerebral blood flow in young healthy adults: A pulsed ASL MRI study. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1879-1889.	4.3	15
100	Acute reductions in haematocrit increase flowâ€mediated dilatation independent of resting nitric oxide bioavailability in humans. Journal of Physiology, 2020, 598, 4225-4236.	2.9	15
101	Contact events in rugby union and the link to reduced cognition: evidence for impaired redoxâ€regulation of cerebrovascular function. Experimental Physiology, 2021, 106, 1971-1980.	2.0	15
102	Radical Dioxygen. Advances in Experimental Medicine and Biology, 2003, , 201-221.	1.6	15
103	Dynamic cerebral autoregulation is unrelated to decrease in external carotid artery blood flow during acute hypotension in healthy young men. Experimental Physiology, 2016, 101, 1040-1049.	2.0	14
104	Dynamic cerebral autoregulation to induced blood pressure changes in human experimental and clinical sepsis. Clinical Physiology and Functional Imaging, 2016, 36, 490-496.	1.2	14
105	Redoxâ€regulation of haemostasis in hypoxic exercising humans: a randomised doubleâ€blind placeboâ€controlled antioxidant study. Journal of Physiology, 2018, 596, 4879-4891.	2.9	14
106	â€˜Fit for surgeryâ€™: the relationship between cardiorespiratory fitness and postoperative outcomes. Experimental Physiology, 2022, 107, 787-799.	2.0	14
107	The last "oxygenless" ascent of Mt Everest. British Journal of Sports Medicine, 2001, 35, 294-296.	6.7	13
108	Theoretical studies of l-ascorbic acid (vitamin C) and selected oxidised, anionic and free-radical forms. Computational and Theoretical Chemistry, 2009, 910, 61-68.	1.5	13

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109	Kinetics of exerciseâ€induced neural activation; interpretive dilemma of altered cerebral perfusion. Experimental Physiology, 2012, 97, 219-227.	2.0	13
110	Failure to account for practice effects leads to clinical misinterpretation of cognitive outcome following carotid endarterectomy. Physiological Reports, 2017, 5, e13264.	1.7	13
111	Consumerâ€grade biosensor validation for examining stress in healthcare professionals. Physiological Reports, 2020, 8, e14454.	1.7	13
112	The Paradox of Oxidative Stress and Exercise With Advancing Age. Exercise and Sport Sciences Reviews, 2011, 39, 68-76.	3.0	12
113	Brain and skin do not contribute to the systemic rise in erythropoietin during acute hypoxia in humans. FASEB Journal, 2012, 26, 1831-1834.	0.5	12
114	Recovery from infectious mononucleosis after altitude training in an elite middle distance runner.. British Journal of Sports Medicine, 1997, 31, 153-154.	6.7	11
115	Power output of legs during high intensity cycle ergometry: Influence of hand grip. Journal of Science and Medicine in Sport, 2000, 3, 360-368.	1.3	11
116	Haemostatic response to hypoxaemic/exercise stress: the dilemma of plasma volume correction: Figure 1. Journal of Clinical Pathology, 2011, 64, 269-271.	2.0	10
117	Arterial hypoxaemia and its impact on coagulation: significance of altered redox homeostasis. Journal of Clinical Pathology, 2015, 68, 752-754.	2.0	10
118	The dynamic cerebral autoregulatory adaptive response to noradrenaline is attenuated during systemic inflammation in humans. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 740-746.	1.9	10
119	Effects of exercise intensity on clot microstructure and mechanical properties in healthy individuals. Thrombosis Research, 2016, 143, 130-136.	1.7	10
120	Post-prandial hyperlipidaemia results in systemic nitrosative stress and impaired cerebrovascular function in the aged. Clinical Science, 2017, 131, 2807-2812.	4.3	10
121	Dynamic cerebral autoregulation during cognitive task: effect of hypoxia. Journal of Applied Physiology, 2018, 124, 1413-1419.	2.5	10
122	EPR Spectroscopic Evidence of Free Radical Outflow from an Isolated Muscle Bed in Exercising Humans. Advances in Experimental Medicine and Biology, 2003, 540, 297-303.	1.6	10
123	Has Free Radical Release Across the Brain After Carotid Endarterectomy Traditionally Been Underestimated?. Stroke, 2007, 38, 1946-1948.	2.0	9
124	Forced vital capacity and not central chemoreflex predicts maximal hyperoxic breath-hold duration in elite apneists. Respiratory Physiology and Neurobiology, 2017, 242, 8-11.	1.6	9
125	Uncoupling between cerebral perfusion and oxygenation during incremental exercise in an athlete with postconcussion syndrome: a case report. Physiological Reports, 2017, 5, e13131.	1.7	9
126	Making sense of oxygen; quantum leaps with â€˜physicsâ€ologyâ€™. Experimental Physiology, 2019, 104, 453-457.	2.0	9

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127	Gravitational Transitions Increase Posterior Cerebral Perfusion and Systemic Oxidative-nitrosative Stress: Implications for Neurovascular Unit Integrity. Neuroscience, 2020, 441, 142-160.	2.3	9
128	Greater increase in internal carotid artery shear rate during aerobic interval compared to continuous exercise in healthy adult men. Physiological Reports, 2021, 9, e14705.	1.7	9
129	Criteria for endovascular intervention in type B aortic dissection. Journal of Cardiac Surgery, 2022, 37, 987-992.	0.7	9
130	Radiation damage to the crystalline structure of a glass-forming chalcogenide. Radiation Effects, 1971, 10, 65-69.	0.4	8
131	Free Radical-Mediated Lipid Peroxidation and Systemic Nitric Oxide Bioavailability: Implications for Postexercise Hemodynamics. American Journal of Hypertension, 2013, 26, 126-134.	2.0	8
132	Therapeutic benefits of proning to improve pulmonary gas exchange in severe respiratory failure: focus on fundamentals of physiology. Experimental Physiology, 2022, 107, 759-770.	2.0	8
133	Global Research Expedition on Altitude-related Chronic Health 2018 Iron Infusion at High Altitude Reduces Hypoxic Pulmonary Vasoconstriction Equally in Both Lowlanders and Healthy Andean Highlanders. Chest, 2022, 161, 1022-1035.	0.8	8
134	Electron Paramagnetic Resonance Spectroscopic Evidence of Increased Free Radical Generation and Selective Damage to Skeletal Muscle Following Lightning Injury. High Altitude Medicine and Biology, 2003, 4, 281-289.	0.9	7
135	A reassessment of the bloodâ€“brain barrier transport of large neutral amino acids during acute systemic inflammation in humans. Clinical Physiology and Functional Imaging, 2018, 38, 656-662.	1.2	7
136	Long-term Exercise Confers Equivalent Neuroprotection in Females Despite Lower Cardiorespiratory Fitness. Neuroscience, 2020, 427, 58-63.	2.3	7
137	Concussion history in rugby union players is associated with depressed cerebrovascular reactivity and cognition. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 2291-2299.	2.9	7
138	Radical dioxygen: from gas to (unpaired!) electrons. Advances in Experimental Medicine and Biology, 2003, 543, 201-21.	1.6	7
139	Subjective assessment underestimates surgical risk: On the potential benefits of cardiopulmonary exercise testing for open thoracoabdominal repair. Journal of Cardiac Surgery, 2022, 37, 2258-2265.	0.7	7
140	Catecholamine responses to high intensity cycle ergometer exercise: Body mass or body composition?. Journal of Physiology and Biochemistry, 2003, 59, 77-83.	3.0	6
141	UBCâ€Nepal expedition: The use of oral antioxidants does not alter cerebrovascular function at sea level or high altitude. Experimental Physiology, 2018, 103, 523-534.	2.0	6
142	Highâ€intensity exercise training improves perioperative risk stratification in the highâ€risk patient. Physiological Reports, 2020, 8, e14409.	1.7	6
143	Impaired cerebral blood flow regulation and cognition in male football players. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1908-1913.	2.9	6
144	The influence of hemoconcentration on hypoxic pulmonary vasoconstriction in acute, prolonged, and lifelong hypoxemia. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H738-H747.	3.2	6

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145	Trans-cerebral HCO₃^{â˜} and PCO₂ exchange during acute respiratory acidosis and exercise-induced metabolic acidosis in humans. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 559-571.	4.3	6
146	The brain in hypoxia; curiosity, cause and consequence. Experimental Physiology, 2016, 101, 1157-1159.	2.0	5
147	Differential impact of shear rate in the cerebral and systemic circulation: implications for endothelial function. Journal of Applied Physiology, 2021, 130, 1152-1154.	2.5	5
148	EPR spectroscopic evidence of iron-catalysed free radical formation in chronic mountain sickness: Dietary causes and vascular consequences. Free Radical Biology and Medicine, 2022, 184, 99-113.	2.9	5
149	Supplemental ascorbate and exercise-induced IL-6 metabolism: focus on Fenton chemistry and redox-regulation of vascular homeostasis. European Journal of Applied Physiology, 2005, 94, 487-489.	2.5	4
150	Effects of lipopolysaccharide infusion on arterial levels and transcerebral exchange kinetics of glutamate and glycine in healthy humans. Apmis, 2012, 120, 761-766.	2.0	4
151	Intervisceral artery origins in patients with abdominal aortic aneurysmal disease; evidence for systemic vascular remodelling. Experimental Physiology, 2016, 101, 1143-1153.	2.0	4
152	Heterogeneous regulation of cerebral blood flow in hypoxia; implications for dynamic cerebral autoregulation and susceptibility to acute mountain sickness. Experimental Physiology, 2017, 102, 383-383.	2.0	4
153	A Systematic Review and Meta-Analysis Reveals Altered Drug Pharmacokinetics in Humans During Acute Exposure to Terrestrial High Altitudeâ€"Clinical Justification for Dose Adjustment?. High Altitude Medicine and Biology, 2018, 19, 141-148.	0.9	4
154	Bowel cancer surgery outcomes and preâ€operative cardiopulmonary exercise testing: insights from realâ€world data. Anaesthesia, 2018, 73, 1445-1446.	3.8	4
155	Transcerebral exchange kinetics of large neutral amino acids during acute inspiratory hypoxia in humans. Scandinavian Journal of Clinical and Laboratory Investigation, 2019, 79, 595-600.	1.2	4
156	Oxygen is rocket fuel for the human brain; a radical perspective!. Journal of Physiology, 2019, 597, 659-660.	2.9	4
157	Plasma brain-derived neurotrophic factor and dynamic cerebral autoregulation in acute response to glycemic control following breakfast in young men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R69-R79.	1.8	4
158	Personal protective equipment impairs pulmonary gas exchange causing systemic hypercapniaâ€"hypoxaemia and cerebral hyperperfusion-induced cephalalgia. British Journal of Surgery, 2021, 108, e205-e206.	0.3	4
159	Integrated respiratory chemoreflexâ€mediated regulation of cerebral blood flow in hypoxia: Implications for oxygen delivery and acute mountain sickness. Experimental Physiology, 2021, 106, 1922-1938.	2.0	4
160	Some effects of sympathomimetic amines on isolated smooth muscle preparations from the stomach of the guinea-pig. British Journal of Pharmacology, 1968, 34, 204P.	5.4	4
161	Blood Lipid and Lipoprotein Concentrations in Active, Sedentary, Healthy and Diseased Men. European Journal of Cardiovascular Prevention and Rehabilitation, 1998, 5, 309-312.	2.8	3
162	Decreased Chronotiropic Drive as an Adaptation to Chronic Exercise; Possible Mechanisms. International Journal of Sports Medicine, 1999, 20, 219-221.	1.7	3

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163	On the Significance of Altered Drug Pharmacokinetics-Pharmacodynamics at High Altitude. High Altitude Medicine and Biology, 2017, 18, 88-89.	0.9	3
164	Drugs for dementia: exercise is medicine. BMJ: British Medical Journal, 2019, 364, k5438.	2.3	3
165	Electrons or ions? That is the (quantum) question!. Experimental Physiology, 2019, 104, 985-986.	2.0	3
166	Similar improvements in inhibitory control following low-volume high-intensity interval exercise and moderate-intensity continuous exercise. Psychology of Sport and Exercise, 2020, 51, 101791.	2.1	3
167	Physiological performance and inflammatory markers as indicators of complications after oesophageal cancer surgery. BJS Open, 2020, 4, 840-846.	1.7	3
168	A method for modelling the oxyhaemoglobin dissociation curve at the level of the cerebral capillary in humans. Experimental Physiology, 2020, 105, 1063-1070.	2.0	3
169	Cardiorespiratory fitness fails to predict short-term postoperative mortality in patients undergoing elective open surgery for abdominal aortic aneurysm. Annals of the Royal College of Surgeons of England, 2020, 102, 536-539.	0.6	3
170	Global Reach 2018: Nitric oxide-mediated cutaneous vasodilation is reduced in chronic, but not acute, hypoxia independently of enzymatic superoxide formation. Free Radical Biology and Medicine, 2021, 172, 451-458.	2.9	3
171	Elevated cerebral perfusion and preserved cognition in elite Brazilian Jiuâ€Jitsu athletes: Evidence for neuroprotection. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 2115-2122.	2.9	3
172	Acute mountain sickness--the "poison of the pass". British Journal of Sports Medicine, 1999, 33, 376.	6.7	3
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