

Damian M Bailey

List of Publications by Year in descending order

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Version: 2024-02-01

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	Therapeutic benefits of proning to improve pulmonary gas exchange in severe respiratory failure: focus on fundamentals of physiology. <i>Experimental Physiology</i> , 2022, 107, 759-770.	2.0	8
2	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. <i>Chest</i> , 2022, 161, 1022-1035.	0.8	8
3	Criteria for endovascular intervention in type B aortic dissection. <i>Journal of Cardiac Surgery</i> , 2022, 37, 987-992.	0.7	9
4	Hypoxemia increases blood-brain barrier permeability during extreme apnea in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1120-1135.	4.3	18
5	EPR spectroscopic evidence of iron-catalysed free radical formation in chronic mountain sickness: Dietary causes and vascular consequences. <i>Free Radical Biology and Medicine</i> , 2022, 184, 99-113.	2.9	5
6	Nitric oxide contributes to cerebrovascular shear-mediated dilatation but not steady-state cerebrovascular reactivity to carbon dioxide. <i>Journal of Physiology</i> , 2022, 600, 1385-1403.	2.9	21
7	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.	4.3	6
8	Subjective assessment underestimates surgical risk: On the potential benefits of cardiopulmonary exercise testing for open thoracoabdominal repair. <i>Journal of Cardiac Surgery</i> , 2022, 37, 2258-2265.	0.7	7
9	Oxygen: Making molecules for a mission to the Moon and Mars. <i>Experimental Physiology</i> , 2022, 107, 557-559.	2.0	1
10	“Fit for surgery”: the relationship between cardiorespiratory fitness and postoperative outcomes. <i>Experimental Physiology</i> , 2022, 107, 787-799.	2.0	14
11	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.	2.0	24
12	Differential impact of shear rate in the cerebral and systemic circulation: implications for endothelial function. <i>Journal of Applied Physiology</i> , 2021, 130, 1152-1154.	2.5	5
13	Plasma brain-derived neurotrophic factor and dynamic cerebral autoregulation in acute response to glycemic control following breakfast in young men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R69-R79.	1.8	4
14	Personal protective equipment impairs pulmonary gas exchange causing systemic hypercapnia-hypoxaemia and cerebral hyperperfusion-induced cephalalgia. <i>British Journal of Surgery</i> , 2021, 108, e205-e206.	0.3	4
15	Last Word on Viewpoint: Differential impact of shear rate in the cerebral and systemic circulation: implications for endothelial function. <i>Journal of Applied Physiology</i> , 2021, 130, 1161-1162.	2.5	2
16	When is extra-anatomical bypass for the left subclavian artery required to prevent ischaemia after thoracic endovascular stent grafting?. <i>Asian Cardiovascular and Thoracic Annals</i> , 2021, 29, 524-531.	0.5	1
17	Jumping at a chance to control cerebral blood flow in astronauts. <i>Experimental Physiology</i> , 2021, 106, 1407-1409.	2.0	2
18	Impaired cerebral blood flow regulation and cognition in male football players. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1908-1913.	2.9	6

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19	Contact events in rugby union and the link to reduced cognition: evidence for impaired redox regulation of cerebrovascular function. <i>Experimental Physiology</i> , 2021, 106, 1971-1980.	2.0	15
20	The retroperitoneal approach for contemporary open abdominal aortic aneurysm surgery: The anatomical reasoning. <i>Asian Cardiovascular and Thoracic Annals</i> , 2021, 29, 654-660.	0.5	0
21	Integrated respiratory chemoreflex-mediated regulation of cerebral blood flow in hypoxia: Implications for oxygen delivery and acute mountain sickness. <i>Experimental Physiology</i> , 2021, 106, 1922-1938.	2.0	4
22	Global Reach 2018: Nitric oxide-mediated cutaneous vasodilation is reduced in chronic, but not acute, hypoxia independently of enzymatic superoxide formation. <i>Free Radical Biology and Medicine</i> , 2021, 172, 451-458.	2.9	3
23	Elevated cerebral perfusion and preserved cognition in elite Brazilian Jiu-Jitsu athletes: Evidence for neuroprotection. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 2115-2122.	2.9	3
24	Concussion history in rugby union players is associated with depressed cerebrovascular reactivity and cognition. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 2291-2299.	2.9	7
25	The influence of hemoconcentration on hypoxic pulmonary vasoconstriction in acute, prolonged, and lifelong hypoxemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H738-H747.	3.2	6
26	OUP accepted manuscript. <i>British Journal of Surgery</i> , 2021, 108, e412.	0.3	0
27	Greater increase in internal carotid artery shear rate during aerobic interval compared to continuous exercise in healthy adult men. <i>Physiological Reports</i> , 2021, 9, e14705.	1.7	9
28	Biosensors, Biomarkers and Biometrics: a Bootcamp Perspective. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2021, 7, bmjstel-2020-000631.	0.7	1
29	Response to Letter to Editor "Comments on: Contact events in rugby union and the link to reduced cognition: evidence for impaired redox regulation of cerebrovascular function. <i>Experimental Physiology</i> , 2021, 106, 2558-2559.	2.0	0
30	Acute Gravitational Stress Selectively Impairs Dynamic Cerebrovascular Reactivity in the Anterior Circulation Independent of Changes to the Central Respiratory Chemoreflex. <i>Frontiers in Physiology</i> , 2021, 12, 749255.	2.8	1
31	Cardiorespiratory fitness is associated with increased middle cerebral arterial compliance and decreased cerebral blood flow in young healthy adults: A pulsed ASL MRI study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1879-1889.	4.3	15
32	Stress and Burnout in Training: Requiem for the Surgical Dream. <i>Journal of Surgical Education</i> , 2020, 77, e1-e8.	2.5	28
33	Long-term Exercise Confers Equivalent Neuroprotection in Females Despite Lower Cardiorespiratory Fitness. <i>Neuroscience</i> , 2020, 427, 58-63.	2.3	7
34	Similar improvements in inhibitory control following low-volume high-intensity interval exercise and moderate-intensity continuous exercise. <i>Psychology of Sport and Exercise</i> , 2020, 51, 101791.	2.1	3
35	Nitric oxide is fundamental to neurovascular coupling in humans. <i>Journal of Physiology</i> , 2020, 598, 4927-4939.	2.9	51
36	Physiological performance and inflammatory markers as indicators of complications after oesophageal cancer surgery. <i>BJS Open</i> , 2020, 4, 840-846.	1.7	3

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37	Ureteric complications and left retroperitoneal abdominal aortic surgery. ANZ Journal of Surgery, 2020, 90, 2502-2505.	0.7	2
38	High-intensity exercise training improves perioperative risk stratification in the high-risk patient. Physiological Reports, 2020, 8, e14409.	1.7	6
39	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
40	Gravitational Transitions Increase Posterior Cerebral Perfusion and Systemic Oxidative-nitrosative Stress: Implications for Neurovascular Unit Integrity. Neuroscience, 2020, 441, 142-160.	2.3	9
41	To survive a dive; cerebral oxygen delivery and our aquatic heritage. Experimental Physiology, 2020, 105, 925-927.	2.0	0
42	Acute reductions in haematocrit increase flow-mediated dilatation independent of resting nitric oxide bioavailability in humans. Journal of Physiology, 2020, 598, 4225-4236.	2.9	15
43	Consumer-grade biosensor validation for examining stress in healthcare professionals. Physiological Reports, 2020, 8, e14454.	1.7	13
44	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
45	Elemental α -particle physics cytology™; the Big Bang behind being human. Experimental Physiology, 2020, 105, 401-407.	2.0	1
46	HIITing the brain with exercise: mechanisms, consequences and practical recommendations. Journal of Physiology, 2020, 598, 2513-2530.	2.9	92
47	Peripheral Blood and Salivary Biomarkers of Blood-Brain Barrier Permeability and Neuronal Damage: Clinical and Applied Concepts. Frontiers in Neurology, 2020, 11, 577312.	2.4	36
48	gravitational Transitions Increase Blood-brain Barrier Permeability In Humans. Medicine and Science in Sports and Exercise, 2020, 52, 780-781.	0.4	0
49	AUTHORS™ RESPONSE to Cardiorespiratory fitness in patients undergoing elective open surgery for abdominal aortic aneurysm: does it really fail to predict short-term postoperative mortality?. Annals of the Royal College of Surgeons of England, 2020, 102, 644-645.	0.6	0
50	The changing nature of concussion in rugby union: Looking back to look forward. Journal of Concussion, 2019, 3, 205970021986064.	0.6	2
51	Cardiopulmonary fitness predicts postoperative major morbidity after esophagectomy for patients with cancer. Physiological Reports, 2019, 7, e14174.	1.7	26
52	Cerebral oxygen sensing and the integrated regulation of hypoxic vasodilatation. Experimental Physiology, 2019, 104, 1751-1753.	2.0	0
53	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
54	The impact of hypoxaemia on vascular function in lowlanders and high altitude indigenous populations. Journal of Physiology, 2019, 597, 5759-5776.	2.9	27

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55	Oxygen and brain death; back from the brink. <i>Experimental Physiology</i> , 2019, 104, 1769-1779.	2.0	25
56	Drugs for dementia: exercise is medicine. <i>BMJ: British Medical Journal</i> , 2019, 364, k5438.	2.3	3
57	Physical activity and the stress of shear: Vasoprotective or vasopreventative?. <i>Experimental Physiology</i> , 2019, 104, 1329-1330.	2.0	0
58	Electrons or ions? That is the (quantum) question!. <i>Experimental Physiology</i> , 2019, 104, 985-986.	2.0	3
59	Global REACH 2018. <i>Hypertension</i> , 2019, 73, 1327-1335.	2.7	44
60	Dynamic cerebral autoregulation is attenuated in young fit women. <i>Physiological Reports</i> , 2019, 7, e13984.	1.7	72
61	Exaggerated systemic oxidative-inflammatory-nitrosative stress in chronic mountain sickness is associated with cognitive decline and depression. <i>Journal of Physiology</i> , 2019, 597, 611-629.	2.9	55
62	Metabolomics for the mountains; bring on the biomarkers!. <i>Experimental Physiology</i> , 2019, 104, 13-14.	2.0	0
63	Making sense of oxygen; quantum leaps with "physics"ology™. <i>Experimental Physiology</i> , 2019, 104, 453-457.	2.0	9
64	Oxygen, evolution and redox signalling in the human brain; quantum in the quotidian. <i>Journal of Physiology</i> , 2019, 597, 15-28.	2.9	54
65	Oxygen is rocket fuel for the human brain; a radical perspective!. <i>Journal of Physiology</i> , 2019, 597, 659-660.	2.9	4
66	High-Intensity Interval Training After Stroke: An Opportunity to Promote Functional Recovery, Cardiovascular Health, and Neuroplasticity. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 543-556.	2.9	89
67	A Systematic Review and Meta-Analysis Reveals Altered Drug Pharmacokinetics in Humans During Acute Exposure to Terrestrial High Altitude—Clinical Justification for Dose Adjustment?. <i>High Altitude Medicine and Biology</i> , 2018, 19, 141-148.	0.9	4
68	13 reasons why the brain is susceptible to oxidative stress. <i>Redox Biology</i> , 2018, 15, 490-503.	9.0	738
69	Transcerebral net exchange of vasoactive peptides and catecholamines during lipopolysaccharide-induced systemic inflammation in healthy humans. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 313-316.	1.4	2
70	UBC's Nepal expedition: The use of oral antioxidants does not alter cerebrovascular function at sea level or high altitude. <i>Experimental Physiology</i> , 2018, 103, 523-534.	2.0	6
71	Amputees at High Altitude: The Potentially Sticky Issue of Thrombophilia. <i>High Altitude Medicine and Biology</i> , 2018, 19, 211-212.	0.9	0
72	The cardiopulmonary exercise test grey zone; optimising fitness stratification by application of critical difference. <i>British Journal of Anaesthesia</i> , 2018, 120, 1187-1194.	3.4	29

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73	Letter by Bailey et al Regarding Article, "Cerebral Perfusion and the Risk of Dementia: A Population-Based Study" Circulation, 2018, 137, 1414-1415.	1.6	1
74	Competitive apnea and its effect on the human brain: focus on the redox regulation of blood-brain barrier permeability and neuronal parenchymal integrity. FASEB Journal, 2018, 32, 2305-2314.	0.5	22
75	A reassessment of the blood-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
76	Cardiorespiratory fitness is impaired and predicts mid-term postoperative survival in patients with abdominal aortic aneurysm disease. Experimental Physiology, 2018, 103, 1505-1512.	2.0	20
77	Dynamic cerebral autoregulation during cognitive task: effect of hypoxia. Journal of Applied Physiology, 2018, 124, 1413-1419.	2.5	10
78	Traumatic brain injury and dementia. Lancet Psychiatry, 2018, 5, 782.	7.4	0
79	Bowel cancer surgery outcomes and preoperative cardiopulmonary exercise testing: insights from real-world data. Anaesthesia, 2018, 73, 1445-1446.	3.8	4
80	Letter by Calverley and Bailey Regarding Article, "Reversing the Cardiac Effects of Sedentary Aging in Middle Age" A Randomized Controlled Trial: Implications for Heart Failure Prevention" Circulation, 2018, 138, 1755-1756.	1.6	0
81	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
82	Redox regulation of haemostasis in hypoxic exercising humans: a randomised double-blind placebo-controlled antioxidant study. Journal of Physiology, 2018, 596, 4879-4891.	2.9	14
83	Exercise and the older brain: Trump should walk rather than take the buggy on the golf course. BMJ: British Medical Journal, 2018, 360, k1259.	2.3	0
84	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
85	Commentaries on Viewpoint: "Tighter fit theory" physiologists explain why "higher altitude" and jugular occlusion are unlikely to reduce risks for sports concussion and brain injuries. Journal of Applied Physiology, 2017, 122, 218-220.	2.5	1
86	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
87	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
88	Failure to account for practice effects leads to clinical misinterpretation of cognitive outcome following carotid endarterectomy. Physiological Reports, 2017, 5, e13264.	1.7	13
89	Response by Bailey to Letter Regarding Article, "Nitrite and <i>S</i> -Nitrosohemoglobin Exchange Across the Human Cerebral and Femoral Circulation: Relationship to Basal and Exercise Blood Flow Responses to Hypoxia" Circulation, 2017, 135, e1137-e1138.	1.6	0
90	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

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91	Exercise redox biochemistry: Conceptual, methodological and technical recommendations. Redox Biology, 2017, 12, 540-548.	9.0	75
92	Surviving Without Oxygen: How Low Can the Human Brain Go?. High Altitude Medicine and Biology, 2017, 18, 73-79.	0.9	28
93	On the Significance of Altered Drug Pharmacokinetics-Pharmacodynamics at High Altitude. High Altitude Medicine and Biology, 2017, 18, 88-89.	0.9	3
94	Post-prandial hyperlipidaemia results in systemic nitrosative stress and impaired cerebrovascular function in the aged. Clinical Science, 2017, 131, 2807-2812.	4.3	10
95	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
96	Nitrite and <i>S</i> -Nitrosohemoglobin Exchange Across the Human Cerebral and Femoral Circulation. Circulation, 2017, 135, 166-176.	1.6	63
97	Diminished dynamic cerebral autoregulatory capacity with forced oscillations in mean arterial pressure with elevated cardiorespiratory fitness. Physiological Reports, 2017, 5, e13486.	1.7	60
98	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
99	Effects of exercise intensity on clot microstructure and mechanical properties in healthy individuals. Thrombosis Research, 2016, 143, 130-136.	1.7	10
100	The brain in hypoxia; curiosity, cause and consequence. Experimental Physiology, 2016, 101, 1157-1159.	2.0	5
101	Brain train to combat brain drain; focus on exercise strategies that optimize neuroprotection. Experimental Physiology, 2016, 101, 1178-1184.	2.0	22
102	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
103	Intervisceral artery origins in patients with abdominal aortic aneurysmal disease; evidence for systemic vascular remodelling. Experimental Physiology, 2016, 101, 1143-1153.	2.0	4
104	Lessons from the laboratory; integrated regulation of cerebral blood flow during hypoxia. Experimental Physiology, 2016, 101, 1160-1166.	2.0	18
105	Cerebral oxidative metabolism is decreased with extreme apnoea in humans; impact of hypercapnia. Journal of Physiology, 2016, 594, 5317-5328.	2.9	36
106	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
107	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
108	Arterial hypoxaemia and its impact on coagulation: significance of altered redox homeostasis. Journal of Clinical Pathology, 2015, 68, 752-754.	2.0	10

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109	The dynamic cerebral autoregulatory adaptive response to noradrenaline is attenuated during systemic inflammation in humans. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 740-746.	1.9	10
110	Antioxidants improve vascular function in children conceived by assisted reproductive technologies: A randomized double-blind placebo-controlled trial. <i>European Journal of Preventive Cardiology</i> , 2015, 22, 1399-1407.	1.8	31
111	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
112	Acute Exercise Stress Reveals Cerebrovascular Benefits Associated with Moderate Gains in Cardiorespiratory Fitness. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1873-1876.	4.3	50
113	Regional redistribution of blood flow in the external and internal carotid arteries during acute hypotension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R747-R751.	1.8	34
114	Systemic oxidative-nitrosative-inflammatory stress during acute exercise in hypoxia; implications for microvascular oxygenation and aerobic capacity. <i>Experimental Physiology</i> , 2014, 99, 1648-1662.	2.0	17
115	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
116	Neutrophil to Lymphocyte Ratio Predicts Perioperative Mortality Following Open Elective Repair of Abdominal Aortic Aneurysms. <i>Vascular and Endovascular Surgery</i> , 2014, 48, 311-316.	0.7	31
117	On the antioxidant properties of erythropoietin and its association with the oxidative-nitrosative stress response to hypoxia in humans. <i>Acta Physiologica</i> , 2014, 212, 175-187.	3.8	40
118	Time Course Variations in the Mechanisms by Which Cerebral Oxygen Delivery Is Maintained on Exposure to Hypoxia/Altitude. <i>High Altitude Medicine and Biology</i> , 2014, 15, 21-27.	0.9	33
119	Manipulation of central blood volume and implications for respiratory control function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1669-H1678.	3.2	20
120	Internal Carotid Artery Occlusion. <i>Vascular and Endovascular Surgery</i> , 2013, 47, 603-607.	0.7	31
121	Temporal dynamics of lactate concentration in the human brain during acute inspiratory hypoxia. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 739-745.	3.4	18
122	RV Contractility and Exercise-Induced Pulmonary Hypertension in Chronic Mountain Sickness. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 1287-1297.	5.3	46
123	Impaired cerebral haemodynamic function associated with chronic traumatic brain injury in professional boxers. <i>Clinical Science</i> , 2013, 124, 177-189.	4.3	111
124	Free Radical-Mediated Lipid Peroxidation and Systemic Nitric Oxide Bioavailability: Implications for Postexercise Hemodynamics. <i>American Journal of Hypertension</i> , 2013, 26, 126-134.	2.0	8
125	Oxidative-Nitrosative Stress and Systemic Vascular Function in Highlanders With and Without Exaggerated Hypoxemia. <i>Chest</i> , 2013, 143, 444-451.	0.8	73
126	Elevated Aerobic Fitness Sustained Throughout the Adult Lifespan Is Associated With Improved Cerebral Hemodynamics. <i>Stroke</i> , 2013, 44, 3235-3238.	2.0	175

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127	Brain and skin do not contribute to the systemic rise in erythropoietin during acute hypoxia in humans. <i>FASEB Journal</i> , 2012, 26, 1831-1834.	0.5	12
128	Systemic Vascular Dysfunction in Patients With Chronic Mountain Sickness. <i>Chest</i> , 2012, 141, 139-146.	0.8	70
129	Kinetics of exercise-induced neural activation; interpretive dilemma of altered cerebral perfusion. <i>Experimental Physiology</i> , 2012, 97, 219-227.	2.0	13
130	Critical difference applied to exercise-induced oxidative stress: the dilemma of distinguishing biological from statistical change. <i>Journal of Physiology and Biochemistry</i> , 2012, 68, 377-384.	3.0	17
131	Effects of lipopolysaccharide infusion on arterial levels and transcerebral exchange kinetics of glutamate and glycine in healthy humans. <i>Apmis</i> , 2012, 120, 761-766.	2.0	4
132	Cerebral Formation of Free Radicals during Hypoxia Does Not Cause Structural Damage and is Associated with a Reduction in Mitochondrial PO_2 ; Evidence of O_2 -Sensing in Humans?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1020-1026.	4.3	23
133	Neuro-oxidative-nitrosative stress in sepsis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1532-1544.	4.3	125
134	Exercise-induced oxidative-nitrosative stress is associated with impaired dynamic cerebral autoregulation and blood-brain barrier leakage. <i>Experimental Physiology</i> , 2011, 96, 1196-1207.	2.0	81
135	Exercise-induced lipid peroxidation: Implications for deoxyribonucleic acid damage and systemic free radical generation. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 35-42.	2.2	55
136	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
137	Haemostatic response to hypoxaemic/exercise stress: the dilemma of plasma volume correction: Figure 1. <i>Journal of Clinical Pathology</i> , 2011, 64, 269-271.	2.0	10
138	Sea-Level Assessment of Dynamic Cerebral Autoregulation Predicts Susceptibility to Acute Mountain Sickness at High Altitude. <i>Stroke</i> , 2011, 42, 3628-3630.	2.0	19
139	The Paradox of Oxidative Stress and Exercise With Advancing Age. <i>Exercise and Sport Sciences Reviews</i> , 2011, 39, 68-76.	3.0	12
140	Redox Regulation of Post-exercise Hemodynamics Following Hyperoxia in Man. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 313.	0.4	0
141	Edited MRS is sensitive to changes in lactate concentration during inspiratory hypoxia. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 320-325.	3.4	28
142	High-altitude pulmonary hypertension is associated with a free radical-mediated reduction in pulmonary nitric oxide bioavailability. <i>Journal of Physiology</i> , 2010, 588, 4837-4847.	2.9	88
143	No evidence for interstitial lung oedema by extensive pulmonary function testing at 4,559 m. <i>European Respiratory Journal</i> , 2010, 35, 812-820.	6.7	58
144	Letter by Sullivan et al Regarding Article, "Lower Mortality from Coronary Heart Disease and Stroke at Higher Altitudes in Switzerland". <i>Circulation</i> , 2010, 121, e376.	1.6	2

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145	Sedentary aging increases resting and exercise-induced intramuscular free radical formation. <i>Journal of Applied Physiology</i> , 2010, 109, 449-456.	2.5	58
146	Redox Regulation of Post-Prandial Vascular Endothelial Dysfunction. <i>Journal of the American College of Cardiology</i> , 2010, 55, 258.	2.8	1
147	Transpulmonary Plasma ET-1 and Nitrite Differences in High Altitude Pulmonary Hypertension. <i>High Altitude Medicine and Biology</i> , 2009, 10, 17-24.	0.9	49
148	Transcerebral Exchange Kinetics of Nitrite and Calcitonin Gene-Related Peptide in Acute Mountain Sickness. <i>Stroke</i> , 2009, 40, 2205-2208.	2.0	31
149	Increased cerebral output of free radicals during hypoxia: implications for acute mountain sickness?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R1283-R1292.	1.8	92
150	The effect of oral antioxidants on brachial artery flow-mediated dilation following 5 and 10 min of ischemia. <i>European Journal of Applied Physiology</i> , 2009, 107, 445-453.	2.5	36
151	Emerging concepts in acute mountain sickness and high-altitude cerebral edema: from the molecular to the morphological. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 3583-3594.	5.4	178
152	Altered free radical metabolism in acute mountain sickness: implications for dynamic cerebral autoregulation and blood-brain barrier function. <i>Journal of Physiology</i> , 2009, 587, 73-85.	2.9	88
153	Cerebral blood flow and oxygen metabolism measured with the Kety-Schmidt method using nitrous oxide. <i>Acta Anaesthesiologica Scandinavica</i> , 2009, 53, 159-167.	1.6	20
154	Theoretical studies of L-ascorbic acid (vitamin C) and selected oxidised, anionic and free-radical forms. <i>Computational and Theoretical Chemistry</i> , 2009, 910, 61-68.	1.5	13
155	Oral antioxidants and cardiovascular health in the exercise-trained and untrained elderly: a radically different outcome. <i>Clinical Science</i> , 2009, 116, 433-441.	4.3	82
156	Molecular detection of exercise-induced free radicals following ascorbate prophylaxis in type 1 diabetes mellitus: a randomised controlled trial. <i>Diabetologia</i> , 2008, 51, 2049-2059.	6.3	27
157	Microhemorrhages in Nonfatal High-Altitude Cerebral Edema. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1635-1642.	4.3	99
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