

Michael Stemberge

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

1,587
citations

411340

20
h-index

406436

35
g-index

85
all docs

85
docs citations

85
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.4	8
2	Elevating physiology: Griffith Pugh on the limits of human performance and survival. <i>Journal of Physiology</i> , 2022, 600, 1811-1813.	1.3	2
3	The influence of maturation on exercise-induced cardiac remodelling and haematological adaptation. <i>Journal of Physiology</i> , 2022, 600, 583-601.	1.3	13
4	Kids With Altitude: Acute Mountain Sickness and Changes in Body Mass and Total Body Water in Children Travelling to 3800 m. <i>Wilderness and Environmental Medicine</i> , 2022, 33, 33-42.	0.4	2
5	High prevalence of patent foramen ovale in recreational to elite breath hold divers. <i>Journal of Science and Medicine in Sport</i> , 2022, 25, 553-556.	0.6	2
6	Co-Production at Work: The Process of Breaking Up Sitting Time to Improve Cardiovascular Health. A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 361.	1.2	1
7	The coronary vascular response to the metaboreflex at low altitude and during acute and prolonged high altitude in males. <i>Journal of Applied Physiology</i> , 2022, 132, 1327-1337.	1.2	1
8	Reply from D. R. Perkins and Mike Stemberidge. <i>Journal of Physiology</i> , 2022, 600, 2819-2821.	1.3	0
9	Global REACH 2018: Andean highlanders, chronic mountain sickness and the integrative regulation of resting blood pressure. <i>Experimental Physiology</i> , 2021, 106, 104-116.	0.9	12
10	The 2018 Global Research Expedition on Altitude Related Chronic Health (Global REACH) to Cerro de Pasco, Peru: an Experimental Overview. <i>Experimental Physiology</i> , 2021, 106, 86-103.	0.9	24
11	Influence of iron manipulation on hypoxic pulmonary vasoconstriction and pulmonary reactivity during ascent and acclimatization to 5050Åm. <i>Journal of Physiology</i> , 2021, 599, 1685-1708.	1.3	17
12	Temporal changes in pulmonary gas exchange efficiency when breath-hold diving below residual volume. <i>Experimental Physiology</i> , 2021, 106, 1120-1133.	0.9	7
13	Right Ventricular Function and Region-Specific Adaptation in Athletes Engaged in High-Dynamic Sports: A Meta-Analysis. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012315.	1.3	7
14	Regulation of cerebral blood flow by arterial PCO ₂ independent of metabolic acidosis at 5050Åm. <i>Journal of Physiology</i> , 2021, 599, 3513-3530.	1.3	6
15	Global REACH 2018: the adaptive phenotype to life with chronic mountain sickness and polycythaemia. <i>Journal of Physiology</i> , 2021, 599, 4021-4044.	1.3	13
16	Global REACH 2018: volume regulation in high-altitude Andeans with and without chronic mountain sickness. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R504-R512.	0.9	8
17	THE INFLUENCE OF ANESTHESIA WITH AND WITHOUT MEDETOMIDINE ON CARDIAC STRUCTURE AND FUNCTION IN SANCTUARY CAPTIVE CHIMPANZEES (PAN TROGLODYTES). <i>Journal of Zoo and Wildlife Medicine</i> , 2021, 52, 986-996.	0.3	3
18	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.	1.5	6

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19	The influence of increased venous return on right ventricular dyssynchrony during acute and sustained hypoxaemia. <i>Experimental Physiology</i> , 2021, 106, 925-937.	0.9	3
20	A sympathetic view of blood pressure control at high altitude: new insights from microneurographic studies. <i>Experimental Physiology</i> , 2021, 106, 377-384.	0.9	13
21	Evidence of region-specific right ventricular functional adaptation in endurance-trained men in response to an acute volume infusion. <i>Experimental Physiology</i> , 2021, , .	0.9	0
22	Global REACH 2018: The influence of acute and chronic hypoxia on cerebral haemodynamics and related functional outcomes during cold and heat stress. <i>Journal of Physiology</i> , 2020, 598, 265-284.	1.3	24
23	Muscle sympathetic reactivity to apneic and exercise stress in high-altitude Sherpa. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R493-R502.	0.9	12
24	Stimulus-specific functional remodeling of the left ventricle in endurance and resistance-trained men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H632-H641.	1.5	3
25	The Menopause Alters Aerobic Adaptations to High-Intensity Interval Training. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2096-2106.	0.2	9
26	Acute reductions in haematocrit increase flow-mediated dilatation independent of resting nitric oxide bioavailability in humans. <i>Journal of Physiology</i> , 2020, 598, 4225-4236.	1.3	15
27	Evidence for a physiological role of pulmonary arterial baroreceptors in sympathetic neural activation in healthy humans. <i>Journal of Physiology</i> , 2020, 598, 955-965.	1.3	18
28	Highs and lows of sympathetic neurocardiovascular transduction: influence of altitude acclimatization and adaptation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H1240-H1252.	1.5	20
29	Global REACH 2018: renal oxygen delivery is maintained during early acclimatization to 4,330 m. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F1081-F1089.	1.3	8
30	The independent effects of hypovolaemia and pulmonary vasoconstriction on ventricular function and exercise capacity during acclimatisation to 3800 m. <i>Journal of Physiology</i> , 2019, 597, 1059-1072.	1.3	37
31	UBC-Nepal Expedition: Haemoconcentration underlies the reductions in cerebral blood flow observed during acclimatization to high altitude. <i>Experimental Physiology</i> , 2019, 104, 1963-1972.	0.9	7
32	Left Ventricular Twist Is Augmented in Hypoxia by β_1 -Adrenergic-Dependent and β_2 -Adrenergic-Independent Factors, Without Evidence of Endocardial Dysfunction. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008455.	1.3	5
33	UBC-Nepal expedition: phenotypical evidence for evolutionary adaptation in the control of cerebral blood flow and oxygen delivery at high altitude. <i>Journal of Physiology</i> , 2019, 597, 2993-3008.	1.3	16
34	Baroreflex control of sympathetic vasomotor activity and resting arterial pressure at high altitude: insight from Lowlanders and Sherpa. <i>Journal of Physiology</i> , 2019, 597, 2379-2390.	1.3	44
35	No heartbreak at high altitude; preserved cardiac function in chronic hypoxia. <i>Experimental Physiology</i> , 2019, 104, 619-620.	0.9	3
36	Cardiac performance with chronic hypoxia: mechanisms regulating stroke volume. <i>Current Opinion in Physiology</i> , 2019, 7, 66-71.	0.9	6

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37	The overlooked significance of plasma volume for successful adaptation to high altitude in Sherpa and Andean natives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16177-16179.	3.3	58
38	UBC-Nepal Expedition: Cerebrovascular Responses to Exercise in Sherpa Children Residing at High Altitude. <i>High Altitude Medicine and Biology</i> , 2019, 20, 45-55.	0.5	1
39	Global REACH: Assessment of Brady-Arrhythmias in Andeans and Lowlanders During Apnea at 4330 m. <i>Frontiers in Physiology</i> , 2019, 10, 1603.	1.3	6
40	Selective Reductions in Pulmonary Artery Pressure Lowers Sympathetic Neural Activity in Healthy Humans at High Altitude. <i>FASEB Journal</i> , 2019, 33, .	0.2	0
41	Early exercise for lifelong benefit: sustained cardiac programming in rats and the potential translation to humans. <i>Journal of Physiology</i> , 2018, 596, 1135-1136.	1.3	1
42	UBC-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.	0.9	6
43	Reduced left ventricular filling following blood volume extraction does not result in compensatory augmentation of cardiac mechanics. <i>Experimental Physiology</i> , 2018, 103, 495-501.	0.9	6
44	Right Ventricular Structure and Function in the Veteran Ultramarathon Runner: Is There Evidence for Chronic Maladaptation?. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 598-605.e1.	1.2	5
45	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018, 19, 4-6.	0.5	324
46	Competitive apnea and its effect on the human brain: focus on the redox regulation of blood-brain barrier permeability and neuronal parenchymal integrity. <i>FASEB Journal</i> , 2018, 32, 2305-2314.	0.2	22
47	UBC-Nepal Expedition: An experimental overview of the 2016 University of British Columbia Scientific Expedition to Nepal Himalaya. <i>PLoS ONE</i> , 2018, 13, e0204660.	1.1	19
48	Similarity between carotid and coronary artery responses to sympathetic stimulation and the role of β_1 -receptors in humans. <i>Journal of Applied Physiology</i> , 2018, 125, 409-418.	1.2	10
49	UBC-Nepal expedition: upper and lower limb conduit artery shear stress and flow-mediated dilation on ascent to 5,050 m in lowlanders and Sherpa. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1532-H1543.	1.5	17
50	Chemoreflex mediated arrhythmia during apnea at 5,050 m in low- but not high-altitude natives. <i>Journal of Applied Physiology</i> , 2018, 124, 930-937.	1.2	19
51	Influence of myocardial oxygen demand on the coronary vascular response to arterial blood gas changes in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H132-H140.	1.5	6
52	Oxygen therapy improves cerebral oxygen delivery and neurovascular function in hypoxaemic chronic obstructive pulmonary disease patients. <i>Experimental Physiology</i> , 2018, 103, 1170-1177.	0.9	9
53	Adenosine receptor-dependent signaling is not obligatory for normobaric and hypobaric hypoxia-induced cerebral vasodilation in humans. <i>Journal of Applied Physiology</i> , 2017, 122, 795-808.	1.2	22
54	Systolic and Diastolic Left Ventricular Mechanics during and after Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2025-2031.	0.2	11

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55	UBC-Nepal expedition: markedly lower cerebral blood flow in high-altitude Sherpa children compared with children residing at sea level. <i>Journal of Applied Physiology</i> , 2017, 123, 1003-1010.	1.2	6
56	Reduced blood flow through intrapulmonary arteriovenous anastomoses during exercise in lowlanders acclimatizing to high altitude. <i>Experimental Physiology</i> , 2017, 102, 670-683.	0.9	5
57	\hat{V}^2 -Blockade increases maximal apnea duration in elite breath-hold divers. <i>Journal of Applied Physiology</i> , 2017, 122, 899-906.	1.2	14
58	HEART RATE AND INDIRECT BLOOD PRESSURE RESPONSES TO FOUR DIFFERENT FIELD ANESTHETIC PROTOCOLS IN WILD-BORN CAPTIVE CHIMPANZEES (<i>PAN TROGLODYTES</i>). <i>Journal of Zoo and Wildlife Medicine</i> , 2017, 48, 636-644.	0.3	12
59	One session of remote ischemic preconditioning does not improve vascular function in acute normobaric and chronic hypobaric hypoxia. <i>Experimental Physiology</i> , 2017, 102, 1143-1157.	0.9	16
60	Influence of lung volume on the interaction between cardiac output and cerebrovascular regulation during extreme apnoea. <i>Experimental Physiology</i> , 2017, 102, 1288-1299.	0.9	7
61	The effect of \hat{V}^2 -adrenergic blockade on post-exercise brachial artery flow-mediated dilatation at sea level and high altitude. <i>Journal of Physiology</i> , 2017, 595, 1671-1686.	1.3	23
62	Females have greater left ventricular twist mechanics than males during acute reductions to preload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H76-H84.	1.5	22
63	Alterations in Cardiac Mechanics Following Ultra-Endurance Exercise: Insights from Left and Right Ventricular Area-Deformation Loops. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 879-887.e1.	1.2	26
64	The effects of graded changes in oxygen and carbon dioxide tension on coronary blood velocity independent of myocardial energy demand. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H326-H336.	1.5	7
65	The effect of an acute bout of resistance exercise on carotid artery strain and strain rate. <i>Physiological Reports</i> , 2016, 4, e12959.	0.7	15
66	Cardiac structure and function in adolescent Sherpa; effect of habitual altitude and developmental stage. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H740-H746.	1.5	15
67	Cerebral oxidative metabolism is decreased with extreme apnoea in humans; impact of hypercapnia. <i>Journal of Physiology</i> , 2016, 594, 5317-5328.	1.3	36
68	Mechanisms underlying reductions in stroke volume at rest and during exercise at high altitude. <i>European Journal of Sport Science</i> , 2016, 16, 577-584.	1.4	25
69	The Effects of Exercise Intensity vs. Metabolic State on the Variability and Magnitude of Left Ventricular Twist Mechanics during Exercise. <i>PLoS ONE</i> , 2016, 11, e0154065.	1.1	8
70	Impaired myocardial function does not explain reduced left ventricular filling and stroke volume at rest or during exercise at high altitude. <i>Journal of Applied Physiology</i> , 2015, 119, 1219-1227.	1.2	37
71	Chemoreceptor Responsiveness at Sea Level Does Not Predict the Pulmonary Pressure Response to High Altitude. <i>Chest</i> , 2015, 148, 219-225.	0.4	9
72	Peripheral chemoreflex inhibition with low-dose dopamine: New insight into mechanisms of extreme apnea. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1162-R1171.	0.9	17

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73	The right ventricle following ultra-endurance exercise: insights from novel echocardiography and 12-lead electrocardiography. <i>European Journal of Applied Physiology</i> , 2015, 115, 71-80.	1.2	22
74	The impact of chronic endurance and resistance training upon the right ventricular phenotype in male athletes. <i>European Journal of Applied Physiology</i> , 2015, 115, 1673-1682.	1.2	16
75	<i>In vivo</i> human cardiac shortening and lengthening velocity is region dependent and not coupled with heart rate: ϵ longitudinal strain rate markedly underestimates apical contribution. <i>Experimental Physiology</i> , 2015, 100, 507-518.	0.9	18
76	Hypoxia, not pulmonary vascular pressure, induces blood flow through intrapulmonary arteriovenous anastomoses. <i>Journal of Physiology</i> , 2015, 593, 723-737.	1.3	25
77	Short-term adaptation and chronic cardiac remodelling to high altitude in lowlander natives and Himalayan Sherpa. <i>Experimental Physiology</i> , 2015, 100, 1242-1246.	0.9	23
78	Combined neonatal therapies for cardiac function in adulthood – live together, die alone?. <i>Journal of Physiology</i> , 2014, 592, 825-826.	1.3	0
79	Ventricular structure, function, and mechanics at high altitude: chronic remodeling in Sherpa vs. short-term lowlander adaptation. <i>Journal of Applied Physiology</i> , 2014, 117, 334-343.	1.2	64
80	Resting pulmonary haemodynamics and shunting: a comparison of sea-level inhabitants to high altitude Sherpas. <i>Journal of Physiology</i> , 2014, 592, 1397-1409.	1.3	31
81	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.	1.3	71
82	Predominance of normal left ventricular geometry in the male athlete's heart. <i>Heart</i> , 2014, 100, 1264-1271.	1.2	55
83	Effects of playing surface on physiological responses and performance variables in a controlled football simulation. <i>Journal of Sports Sciences</i> , 2013, 31, 878-886.	1.0	36
84	Use of a heart rate to ground contact time index to monitor and predict middle-distance running. <i>European Journal of Sport Science</i> , 2011, 11, 431-436.	1.4	4
85	Body mass and growth rates in captive chimpanzees (<i>Pan troglodytes</i>) cared for in African wildlife sanctuaries, zoological institutions, and research facilities. <i>Zoo Biology</i> , 0, , .	0.5	5