Christoph Siebenmann

List of Publications by Year
in descending order

55 papers	1,861 citations	236833 25 h-index	265120 42 g-index
56 all docs	56 docs citations	56 times ranked	1943 citing authors

#	Article	IF	Citations
1	Skeletal muscle adaptations to exercise are not influenced by metformin treatment in humans: secondary analyses of 2 randomized, clinical trials. Applied Physiology, Nutrition and Metabolism, 2022, 47, 309-320.	0.9	8
2	Marked improvements in cardiac function in postmenopausal women exposed to blood withdrawal plus endurance training. Journal of Sports Sciences, 2022, 40, 1609-1617.	1.0	1
3	Regulation of plasma volume in male lowlanders during 4 days of exposure to hypobaric hypoxia equivalent to 3500Âm altitude. Journal of Physiology, 2021, 599, 1083-1096.	1.3	24
4	The middle cerebral artery blood velocity response to acute normobaric hypoxia occurs independently of changes in ventilation in humans. Experimental Physiology, 2021, 106, 861-867.	0.9	3
5	Plasma volume contraction reduces atrial natriuretic peptide after four days of hypobaric hypoxia exposure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R526-R531.	0.9	4
6	Blood Oxygen Carrying Capacity Determines Cardiorespiratory Fitness in Middle-Age and Older Women and Men. Medicine and Science in Sports and Exercise, 2021, 53, 2274-2282.	0.2	4
7	The interaction between metformin and physical activity on postprandial glucose and glucose kinetics: a randomised, clinical trial. Diabetologia, 2021, 64, 397-409.	2.9	14
8	Cerebral lactate uptake during exercise is driven by the increased arterial lactate concentration. Journal of Applied Physiology, 2021, 131, 1824-1830.	1.2	7
9	Endothelial function and shear stress in hypobaric hypoxia: time course and impact of plasma volume expansion in men. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H980-H994.	1.5	14
10	Hypoxic Training Is Not Beneficial in Elite Athletes. Medicine and Science in Sports and Exercise, 2020, 52, 519-522.	0.2	26
11	Hematological Adaptations to Prolonged Heat Acclimation in Endurance-Trained Males. Frontiers in Physiology, 2019, 10, 1379.	1.3	31
12	Prolonged Heat Acclimation and Aerobic Performance in Endurance Trained Athletes. Frontiers in Physiology, 2019, 10, 1372.	1.3	19
13	Hypoxia-induced vagal withdrawal is independent of the hypoxic ventilatory response in men. Journal of Applied Physiology, 2019, 126, 124-131.	1.2	23
14	Hypobaric live highâ€train low does not improve aerobic performance more than live lowâ€train low in crossâ€country skiers. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 1636-1652.	1.3	32
15	Cerebral blood flow, frontal lobe oxygenation and intra-arterial blood pressure during sprint exercise in normoxia and severe acute hypoxia in humans. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 136-150.	2.4	55
16	Effect of endurance versus resistance training on local muscle and systemic inflammation and oxidative stress in <scp>COPD</scp>. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2339-2348.	1.3	30
17	Response to Millet and Brocherie. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2244-2245.	1.3	0
18	A brief pre-exercise nap may alleviate physical performance impairments induced by short-term sustained operations with partial sleep deprivation â€“ A field-based study. Chronobiology International, 2018, 35, 1464-1470.	0.9	22

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19	Cardiac performance is influenced by rotational changes of position in the transversal plane, both in the horizontal and in the 60ÌŠ headâ€up postures. Clinical Physiology and Functional Imaging, 2018, 38, 1021-1028.	0.5	2
20	Regulation of blood volume in lowlanders exposed to high altitude. Journal of Applied Physiology, 2017, 123, 957-966.	1.2	74
21	Carbon monoxide reduces near-infrared spectroscopy determined â€˜totalâ€™ hemoglobin: a human volunteer study. Scandinavian Journal of Clinical and Laboratory Investigation, 2017, 77, 259-262.	0.6	3
22	Detection of blood volumes and haemoglobin mass by means of CO re-breathing and indocyanine green and sodium fluorescein injections. Scandinavian Journal of Clinical and Laboratory Investigation, 2017, 77, 164-174.	0.6	19
23	Parasympathetic withdrawal increases heart rate after 2Âweeks at 3454Âm altitude. Journal of Physiology, 2017, 595, 1619-1626.	1.3	21
24	CORP: The assessment of total hemoglobin mass by carbon monoxide rebreathing. Journal of Applied Physiology, 2017, 123, 645-654.	1.2	67
25	Cutaneous exposure to hypoxia does not affect skin perfusion in humans. Acta Physiologica, 2017, 220, 361-369.	1.8	7
26	Measuring Uptake and Elimination of Nitrogen in Humans at Different Ambient Pressures. Aerospace Medicine and Human Performance, 2016, 87, 1045-1050.	0.2	0
27	Twentyâ€eightÂdays of exposure to 3454Âm increases mitochondrial volume density in human skeletal muscle. Journal of Physiology, 2016, 594, 1151-1166.	1.3	32
28	Effect of Increased Blood Flow on Pulmonary Circulation Before and During High Altitude Acclimatization. High Altitude Medicine and Biology, 2016, 17, 305-314.	0.5	19
29	Hemoglobin Mass Expansion during 13 d of Altitude Training. Medicine and Science in Sports and Exercise, 2016, 48, 1425.	0.2	3
30	Does cerebral hypoxia facilitate central fatigue?. Experimental Physiology, 2016, 101, 1173-1177.	0.9	14
31	Extraâ€cerebral oxygenation influence on nearâ€infraredâ€spectroscopyâ€determined frontal lobe oxygenation in healthy volunteers: a comparison between <scp>INVOS</scp>â€4100 and <scp>NIRO</scp>â€200<scp>NX</scp>. Clinical Physiology and Functional Imaging, 2015, 35, 177-184.	0.5	35
32	Limitations to oxygen transport and utilization during sprint exercise in humans: evidence for a functional reserve in muscle O₂ diffusing capacity. Journal of Physiology, 2015, 593, 4649-4664.	1.3	70
33	Hypoxia increases exercise heart rate despite combined inhibition of Î²-adrenergic and muscarinic receptors. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1540-H1546.	1.5	21
34	Regulation of cardiac output in hypoxia. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, 53-59.	1.3	61
35	Cerebrovascular Reactivity is Increased with Acclimatization to 3,454 M Altitude. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1323-1330.	2.4	17
36	Hemoglobin mass and intravascular volume kinetics during and after exposure to 3,454-m altitude. Journal of Applied Physiology, 2015, 119, 1194-1201.	1.2	89

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37	Cardiac output during exercise: A comparison of four methods. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, e20-7.	1.3	74
38	Kidney-synthesized erythropoietin is the main source for the hypoxia-induced increase in plasma erythropoietin in adult humans. European Journal of Applied Physiology, 2014, 114, 1107-1111.	1.2	28
39	The carbon monoxide re-breathing method can underestimate Hbmass due to incomplete blood mixing. European Journal of Applied Physiology, 2013, 113, 2425-2430.	1.2	21
40	Hypocapnia during hypoxic exercise and its impact on cerebral oxygenation, ventilation and maximal whole body O2 uptake. Respiratory Physiology and Neurobiology, 2013, 185, 461-467.	0.7	28
41	Red Cell Volume Expansion at Altitude. Medicine and Science in Sports and Exercise, 2013, 45, 1767-1772.	0.2	61
42	Hypovolemia explains the reduced stroke volume at altitude. Physiological Reports, 2013, 1, e00094.	0.7	30
43	In Reply:. Anesthesiology, 2013, 118, 982-982.	1.3	1
44	Twentyâ€eight days at 3454â€m altitude diminishes respiratory capacity but enhances efficiency in human skeletal muscle mitochondria. FASEB Journal, 2012, 26, 5192-5200.	0.2	76
45	Four weeks of normobaric â€œlive high-train lowâ€•do not alter muscular or systemic capacity for maintaining pH and K+ homeostasis during intense exercise. Journal of Applied Physiology, 2012, 112, 2027-2036.	1.2	24
46	The role of haemoglobin mass on VO2max following normobaric â€˜live highâ€“train lowâ€™ in endurance-trained athletes. British Journal of Sports Medicine, 2012, 46, 822-827.	3.1	36
47	Effect of Short-Term Acclimatization to High Altitude on Sleep and Nocturnal Breathing. Sleep, 2012, 35, 419-423.	0.6	122
48	Sleep and Breathing in High Altitude Pulmonary Edema Susceptible Subjects at 4,559 Meters. Sleep, 2012, 35, 1413-1421.	0.6	30
49	Reply to Schmitt and Millet. Journal of Applied Physiology, 2012, 112, 528-528.	1.2	0
50	â€œLive highâ€“train lowâ€•using normobaric hypoxia: a double-blinded, placebo-controlled study. Journal of Applied Physiology, 2012, 112, 106-117.	1.2	133
51	Reply to Garvican, Saunders, Pyne, Martin, Robertson, and Gore. Journal of Applied Physiology, 2012, 112, 1799-1799.	1.2	0
52	Cutaneous Vasoconstriction Affects Near-infrared Spectroscopy Determined Cerebral Oxygen Saturation during Administration of Norepinephrine. Anesthesiology, 2012, 117, 263-270.	1.3	132
53	Dexamethasone Improves Maximal Exercise Capacity of Individuals Susceptible to High Altitude Pulmonary Edema at 4559â€‰m. High Altitude Medicine and Biology, 2011, 12, 169-177.	0.5	32
54	Determinants of time trial performance and maximal incremental exercise in highly trained endurance athletes. Journal of Applied Physiology, 2011, 111, 1422-1430.	1.2	131

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55	High Altitude Sleep Disturbances Monitored by Actigraphy and Polysomnography. High Altitude Medicine and Biology, 2011, 12, 229-236.	0.5	31