Andrew W Subudhi

List of Publications by Year
in descending order

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75 papers	4,020 citations	126708 33 h-index	123241 61 g-index
76 all docs	76 docs citations	76 times ranked	3655 citing authors

#	Article	IF	Citations
1	Combined methazolamide and theophylline improves oxygen saturation but not exercise performance or altitude illness in acute hypobaric hypoxia. Experimental Physiology, 2021, 106, 117-125.	0.9	5
2	Improving biologic predictors of cycling endurance performance with nearâ€infrared spectroscopy derived measures of skeletal muscle respiration: E pluribus unum. Physiological Reports, 2020, 8, e14342.	0.7	17
3	Supplemental Oxygen Does Not Influence Self-selected Work Rate at Moderate Altitude. Medicine and Science in Sports and Exercise, 2019, 51, 575-581.	0.2	0
4	AltitudeOmics: Spontaneous Baroreflex Sensitivity During Acclimatization to 5,260 m: A Comparison of Methods. Frontiers in Physiology, 2019, 10, 1505.	1.3	1
5	Redefining Physiologic Predictors of Endurance Performance with Measures of Skeletal Muscle Oxygenation: E pluribus unum. Medicine and Science in Sports and Exercise, 2019, 51, 77-78.	0.2	0
6	The 2018 Lake Louise Acute Mountain Sickness Score. High Altitude Medicine and Biology, 2018, 19, 4-6.	0.5	324
7	Adaptive remodeling of skeletal muscle energy metabolism in high-altitude hypoxia: Lessons from AltitudeOmics. Journal of Biological Chemistry, 2018, 293, 6659-6671.	1.6	57
8	Commentaries on Viewpoint: Principles, insights, and potential pitfalls of the noninvasive determination of muscle oxidative capacity by near-infrared spectroscopy. Journal of Applied Physiology, 2018, 124, 249-255.	1.2	6
9	AltitudeOmics: effect of reduced barometric pressure on detection of intrapulmonary shunt, pulmonary gas exchange efficiency, and total pulmonary resistance. Journal of Applied Physiology, 2018, 124, 1363-1376.	1.2	10
10	AltitudeOmics: Baroreflex Sensitivity During Acclimatization to 5,260 m. Frontiers in Physiology, 2018, 9, 767.	1.3	21
11	Erythrocytes retain hypoxic adenosine response for faster acclimatization upon re-ascent. Nature Communications, 2017, 8, 14108.	5.8	81
12	Postural effects on cerebral blood flow and autoregulation. Physiological Reports, 2017, 5, e13150.	0.7	25
13	Reply. Experimental Physiology, 2017, 102, 384-384.	0.9	0
14	Effects Of Supplemental Oxygen On Submaximal And Maximal Cycling Performance At Altitude. Medicine and Science in Sports and Exercise, 2017, 49, 245.	0.2	0
15	Cerebral spinal fluid dynamics: effect of hypoxia and implications for high-altitude illness. Journal of Applied Physiology, 2016, 120, 251-262.	1.2	46
16	Beneficial Role of Erythrocyte Adenosine A2B Receptorâ€“Mediated AMP-Activated Protein Kinase Activation in High-Altitude Hypoxia. Circulation, 2016, 134, 405-421.	1.6	115
17	AltitudeOmics: Red Blood Cell Metabolic Adaptation to High Altitude Hypoxia. Journal of Proteome Research, 2016, 15, 3883-3895.	1.8	98
18	Effect of progressive normobaric hypoxia on dynamic cerebral autoregulation. Experimental Physiology, 2016, 101, 1276-1284.	0.9	14

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19	Sphingosine-1-phosphate promotes erythrocyte glycolysis and oxygen release for adaptation to high-altitude hypoxia. Nature Communications, 2016, 7, 12086.	5.8	163
20	Reduction in Cerebral Oxygenation After Prolonged Exercise in Hypoxia is Related to Changes in Blood Pressure. Advances in Experimental Medicine and Biology, 2016, 876, 95-100.	0.8	6
21	Cerebral autoregulation index at high altitude assessed by thighâ€cuff and transfer function analysis techniques. Experimental Physiology, 2015, 100, 173-181.	0.9	21
22	AltitudeOmics: impaired pulmonary gas exchange efficiency and blunted ventilatory acclimatization in humans with patent foramen ovale after 16 days at 5,260 m. Journal of Applied Physiology, 2015, 118, 1100-1112.	1.2	31
23	AltitudeOmics: Resetting of Cerebrovascular CO2 Reactivity Following Acclimatization to High Altitude. Frontiers in Physiology, 2015, 6, 394.	1.3	9
24	Effect of Beetroot Juice on Moderate-Intensity Exercise at a Constant Rating of Perceived Exertion. International Journal of Exercise Science, 2015, 8, 277-286.	0.5	6
25	AltitudeOmics: enhanced cerebrovascular reactivity and ventilatory response to CO₂ with high-altitude acclimatization and reexposure. Journal of Applied Physiology, 2014, 116, 911-918.	1.2	23
26	Pediatric heart sound segmentation using Hidden Markov Model. , 2014, 2014, 5490-3.		16
27	AltitudeOmics: effect of ascent and acclimatization to 5260Âm on regional cerebral oxygen delivery. Experimental Physiology, 2014, 99, 772-781.	0.9	49
28	Effects of acute hypoxia on cerebrovascular responses to carbon dioxide. Experimental Physiology, 2014, 99, 849-858.	0.9	29
29	AltitudeOmics: cerebral autoregulation during ascent, acclimatization, and re-exposure to high altitude and its relation with acute mountain sickness. Journal of Applied Physiology, 2014, 116, 724-729.	1.2	28
30	AltitudeOmics: exercise-induced supraspinal fatigue is attenuated in healthy humans after acclimatization to high altitude. Acta Physiologica, 2014, 210, 875-888.	1.8	48
31	Cerebral Blood Flow at High Altitude. High Altitude Medicine and Biology, 2014, 15, 133-140.	0.5	87
32	Exploratory proteomic analysis of hypobaric hypoxia and acute mountain sickness in humans. Journal of Applied Physiology, 2014, 116, 937-944.	1.2	36
33	AltitudeOmics: The Integrative Physiology of Human Acclimatization to Hypobaric Hypoxia and Its Retention upon Reascent. PLoS ONE, 2014, 9, e92191.	1.1	88
34	AltitudeOmics: Rapid Hemoglobin Mass Alterations with Early Acclimatization to and De-Acclimatization from 5260 m in Healthy Humans. PLoS ONE, 2014, 9, e108788.	1.1	73
35	AltitudeOmics: the effect of high altitude ascent and acclimatisation on cerebral blood flow regulation (885.1). FASEB Journal, 2014, 28, 885.1.	0.2	0
36	Effect of acute hypoxia on blood flow in vertebral and internal carotid arteries. Experimental Physiology, 2013, 98, 692-698.	0.9	72

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37	AltitudeOmics: on the consequences of high-altitude acclimatization for the development of fatigue during locomotor exercise in humans. Journal of Applied Physiology, 2013, 115, 634-642.	1.2	40
38	Face cooling with mist water increases cerebral blood flow during exercise: effect of changes in facial skin blood flow. Frontiers in Physiology, 2012, 3, 308.	1.3	14
39	International Olympic Committee consensus statement on thermoregulatory and altitude challenges for high-level athletes. British Journal of Sports Medicine, 2012, 46, 770-779.	3.1	158
40	A simple method to clamp end-tidal carbon dioxide during rest and exercise. European Journal of Applied Physiology, 2012, 112, 3439-3444.	1.2	15
41	Health risk for athletes at moderate altitude and normobaric hypoxia. British Journal of Sports Medicine, 2012, 46, 828-832.	3.1	23
42	Does â€˜altitude trainingâ€™ increase exercise performance in elite athletes?. British Journal of Sports Medicine, 2012, 46, 792-795.	3.1	119
43	Differential blood flow responses to CO₂ in human internal and external carotid and vertebral arteries. Journal of Physiology, 2012, 590, 3277-3290.	1.3	160
44	Continuous Detection of Cerebral Vasodilatation and Vasoconstriction Using Intracranial Pulse Morphological Template Matching. PLoS ONE, 2012, 7, e50795.	1.1	16
45	Effects of acetazolamide and dexamethasone on cerebral hemodynamics in hypoxia. Journal of Applied Physiology, 2011, 110, 1219-1225.	1.2	36
46	Does cerebral oxygen delivery limit incremental exercise performance?. Journal of Applied Physiology, 2011, 111, 1727-1734.	1.2	76
47	Cerebral blood flow and oxygenation at maximal exercise: The effect of clamping carbon dioxide. Respiratory Physiology and Neurobiology, 2011, 175, 176-180.	0.7	33
48	An extended model of intracranial latency facilitates non-invasive detection of cerebrovascular changes. Journal of Neuroscience Methods, 2011, 197, 171-179.	1.3	6
49	Acute mountain sickness, inflammation, and permeability: new insights from a blood biomarker study. Journal of Applied Physiology, 2011, 111, 392-399.	1.2	85
50	Response to Letter by Bailey. Stroke, 2010, 41, .	1.0	0
51	Effects of Hypobaric Hypoxia on Cerebral Autoregulation. Stroke, 2010, 41, 641-646.	1.0	61
52	Acute Mountain Sickness: Pathophysiology, Prevention, and Treatment. Progress in Cardiovascular Diseases, 2010, 52, 467-484.	1.6	224
53	Effect of ventilation on cerebral oxygenation during exercise: Insights from canonical correlation. Respiratory Physiology and Neurobiology, 2009, 166, 125-128.	0.7	15
54	Inferring Cerebrovascular Changes from Latencies of Systemic and Intracranial Pulses: A Model-Based Latency Subtraction Algorithm. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 688-697.	2.4	17

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55	Frontal and motor cortex oxygenation during maximal exercise in normoxia and hypoxia. Journal of Applied Physiology, 2009, 106, 1153-1158.	1.2	155
56	The Role of Ribose on Oxidative Stress During Hypoxic Exercise: A Pilot Study. Journal of Medicinal Food, 2009, 12, 690-693.	0.8	18
57	Acute hypoxia impairs dynamic cerebral autoregulation: results from two independent techniques. Journal of Applied Physiology, 2009, 107, 1165-1171.	1.2	41
58	Endurance Performance at Altitude. Current Sports Medicine Reports, 2008, 7, 6-7.	0.5	1
59	Cerebrovascular responses to incremental exercise during hypobaric hypoxia: effect of oxygenation on maximal performance. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H164-H171.	1.5	139
60	Pulmonary Edema Induced by Cerebral Hypoxic Insult in a Canine Model. Aviation, Space, and Environmental Medicine, 2008, 79, 472-478.	0.6	12
61	Effects of acute hypoxia on cerebral and muscle oxygenation during incremental exercise. Journal of Applied Physiology, 2007, 103, 177-183.	1.2	219
62	Severity of arterial hypoxaemia affects the relative contributions of peripheral muscle fatigue to exercise performance in healthy humans. Journal of Physiology, 2007, 581, 389-403.	1.3	233
63	The Prevalence of Subclinical Eating Disorders among Male Cyclists. Journal of the American Dietetic Association, 2007, 107, 1214-1217.	1.3	37
64	Changes in Ventilatory Threshold at High Altitude. Medicine and Science in Sports and Exercise, 2006, 38, 1425-1431.	0.2	20
65	Cytokine Responses at High Altitude. Medicine and Science in Sports and Exercise, 2006, 38, 276-285.	0.2	49
66	Predictive validity of ventilatory and lactate thresholds for cycling time trial performance. Scandinavian Journal of Medicine and Science in Sports, 2006, 16, 27-34.	1.3	81
67	Impairment of Cerebral Autoregulation during Hypobaric Hypoxia and Acute Mountain Sickness. Medicine and Science in Sports and Exercise, 2006, 38, S76-S77.	0.2	0
68	Effects of Purified Oxygenated Water on Exercise Performance during Acute Hypoxic Exposure. International Journal of Sport Nutrition and Exercise Metabolism, 2005, 15, 680-688.	1.0	16
69	Torso Stabilization Reduces the Metabolic Cost of Producing Cycling Power. Applied Physiology, Nutrition, and Metabolism, 2005, 30, 433-441.	1.7	27
70	Bone Mineral Density of Olympic-Level Female Winter Sport Athletes. Medicine and Science in Sports and Exercise, 2004, 36, 1594-1601.	0.2	27
71	Influence of Testing Protocol on Ventilatory Thresholds and Cycling Performance. Medicine and Science in Sports and Exercise, 2004, 36, 613-622.	0.2	72
72	An Evaluation of the Predictive Validity and Reliability of Ventilatory Threshold. Medicine and Science in Sports and Exercise, 2004, 36, 1716-1722.	0.2	64

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73	Effect of FIO2 on Oxidative Stress during Interval Training at Moderate Altitude. Medicine and Science in Sports and Exercise, 2004, 36, 1888-1894.	0.2	34
74	Antioxidant supplementation does not attenuate oxidative stress at high altitude. Aviation, Space, and Environmental Medicine, 2004, 75, 881-8.	0.6	29
75	Antioxidant Status and Oxidative Stress in Elite Alpine Ski Racers. International Journal of Sport Nutrition and Exercise Metabolism, 2001, 11, 32-41.	1.0	43