List of Publications by Year in descending order

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Οττο Ε Βάρακ

#	Article	IF	CITATIONS
1	Passive leg cycling increases activity of the cardiorespiratory system in people with tetraplegia. Applied Physiology, Nutrition and Metabolism, 2022, 47, 269-277.	1.9	3
2	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
3	High prevalence of patent foramen ovale in recreational to elite breath hold divers. Journal of Science and Medicine in Sport, 2022, 25, 553-556.	1.3	2
4	Temporal changes in pulmonary gas exchange efficiency when breathâ€hold diving below residual volume. Experimental Physiology, 2021, 106, 1120-1133.	2.0	7
5	Case Studies in Physiology: Breath-hold diving beyond 100 meters—cardiopulmonary responses in world-champion divers. Journal of Applied Physiology, 2021, 130, 1345-1350.	2.5	6
6	Network analysis identifies consensus physiological measures of neurovascular coupling in humans. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 656-666.	4.3	14
7	Vascular dysfunction following breath-hold diving. Canadian Journal of Physiology and Pharmacology, 2020, 98, 124-130.	1.4	13
8	Alterations in resting cerebrovascular regulation do not affect reactivity to hypoxia, hyperoxia or neurovascular coupling following a SCUBA dive. Experimental Physiology, 2020, 105, 1540-1549.	2.0	1
9	Effects of circulating extracellular microvesicles from spinal cord-injured adults on endothelial cell function. Clinical Science, 2020, 134, 777-789.	4.3	6
10	Cerebrovascular function is preserved during mild hyperthermia in cervical spinal cord injury. Spinal Cord, 2019, 57, 979-984.	1.9	3
11	Prevalence, knowledge and attitudes towards using sports supplements among young athletes. Journal of the International Society of Sports Nutrition, 2019, 16, 27.	3.9	60
12	Impaired dynamic cerebral autoregulation in trained breath-hold divers. Journal of Applied Physiology, 2019, 126, 1694-1700.	2.5	12
13	AGING, HEART RATE VARIABILITY AND METABOLIC IMPACT OF OBESITY. Acta Clinica Croatica, 2019, 58, 430-438.	0.2	11
14	Sleep-disordered breathing is associated with brain vascular reactivity in spinal cord injury. Neurology, 2019, 93, e2181-e2191.	1.1	9
15	Acute heat stress reduces biomarkers of endothelial activation but not macro- or microvascular dysfunction in cervical spinal cord injury. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H722-H733.	3.2	22
16	Spinal Cord Disruption Is Associated with a Loss of Cushing-Like Blood Pressure Interactions. Journal of Neurotrauma, 2019, 36, 1487-1490.	3.4	7
17	Cerebrovascular Regulation in Breathâ€Hold Divers with Chronic Exposure to Longâ€Duration Apneas. FASEB Journal, 2019, 33, 855.1	0.5	0
18	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

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19	Wavelet decomposition analysis is a clinically relevant strategy to evaluate cerebrovascular buffering of blood pressure after spinal cord injury. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H1108-H1114.	3.2	23
20	Differential influence of vitamin C on the peripheral and cerebral circulation after diving and exposure to hyperoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R759-R767.	1.8	8
21	Highs and lows of hyperoxia: physiological, performance, and clinical aspects. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R1-R27.	1.8	85
22	Oxygen therapy improves cerebral oxygen delivery and neurovascular function in hypoxaemic chronic obstructive pulmonary disease patients. Experimental Physiology, 2018, 103, 1170-1177.	2.0	9
23	Association between anthropometric measures of regional fat mass and heart rate variability in obese women. Nutrition and Dietetics, 2017, 74, 51-60.	1.8	15
24	Blood pooling in extrathoracic veins after glossopharyngeal insufflation. European Journal of Applied Physiology, 2017, 117, 641-649.	2.5	4
25	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
26	Evolution of the plasma proteome of divers before and after a single SCUBA dive. Proteomics - Clinical Applications, 2017, 11, 1700016.	1.6	4
27	Effect of pulmonary hyperinflation on central blood volume: An MRI study. Respiratory Physiology and Neurobiology, 2017, 243, 92-96.	1.6	9
28	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
29	Characterization of blood flow through intrapulmonary arteriovenous anastomoses and patent foramen ovale at rest and during exercise in stroke and transient ischemic attack patients. Echocardiography, 2017, 34, 676-682.	0.9	5
30	β ₁ -Blockade increases maximal apnea duration in elite breath-hold divers. Journal of Applied Physiology, 2017, 122, 899-906.	2.5	14
31	Surviving Without Oxygen: How Low Can the Human Brain Go?. High Altitude Medicine and Biology, 2017, 18, 73-79.	0.9	28
32	Ventilation inhibits sympathetic action potential recruitment even during severe chemoreflex stress. Journal of Neurophysiology, 2017, 118, 2914-2924.	1.8	20
33	Influence of lung volume on the interaction between cardiac output and cerebrovascular regulation during extreme apnoea. Experimental Physiology, 2017, 102, 1288-1299.	2.0	7
34	Disturbed blood flow worsens endothelial dysfunction in moderate-severe chronic obstructive pulmonary disease. Scientific Reports, 2017, 7, 16929.	3.3	26
35	Alarming blood pressure changes during routine bladder emptying in a woman with cervical spinal cord injury. Spinal Cord Series and Cases, 2017, 3, 17101.	0.6	4
36	In situ analysis of mitochondrial respiratory capacity - foundation for cellular physiology. Medicinski Pregled, 2017, 70, 445-448.	0.1	0

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37	The impact of predive exercise on repetitive <scp>SCUBA</scp> diving. Clinical Physiology and Functional Imaging, 2016, 36, 197-205.	1.2	6
38	Commentaries on Viewpoint: Why predominantly neurological DCS in breath-hold divers?. Journal of Applied Physiology, 2016, 120, 1478-1482.	2.5	6
39	Elevations in Intra-cranial blood flow velocities following a SCUBA Dive and the Influence of Post-dive Exercise. International Journal of Sports Medicine, 2016, 37, 591-597.	1.7	4
40	Intrapulmonary arteriovenous anastomoses in humans with chronic obstructive pulmonary disease: implications for cryptogenic stroke?. Experimental Physiology, 2016, 101, 1128-1142.	2.0	5
41	Resting arterial hypoxaemia in subjects with chronic heart failure, pulmonary hypertension and patent foramen ovale. Experimental Physiology, 2016, 101, 657-670.	2.0	5
42	Cerebral oxidative metabolism is decreased with extreme apnoea in humans; impact of hypercapnia. Journal of Physiology, 2016, 594, 5317-5328.	2.9	36
43	Organ perfusion during voluntary pulmonary hyperinflation; a magnetic resonance imaging study. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H444-H451.	3.2	19
44	Influence Of Lung Volume On Circulatory Function And Arterial Blood Gases During Prolonged Breath Holding In Elite Apnea Divers. Medicine and Science in Sports and Exercise, 2016, 48, 670-671.	0.4	0
45	Very Few Exercise-Induced Arterialized Gas Bubbles Reach the Cerebral Vasculature. Medicine and Science in Sports and Exercise, 2015, 47, 1798-1805.	0.4	11
46	Effect of Maximal Apnoea Easy-Going and Struggle Phases on Subarachnoid Width and Pial Artery Pulsation in Elite Breath-Hold Divers. PLoS ONE, 2015, 10, e0135429.	2.5	14
47	Peripheral chemoreflex inhibition with low-dose dopamine: New insight into mechanisms of extreme apnea. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1162-R1171.	1.8	17
48	Association of microparticles and neutrophil activation with decompression sickness. Journal of Applied Physiology, 2015, 119, 427-434.	2.5	63
49	Ascorbic acid supplementation diminishes microparticle elevations and neutrophil activation following SCUBA diving. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R338-R344.	1.8	14
50	Where have all the bubbles gone?. FASEB Journal, 2015, 29, 678.9.	0.5	0
51	Cardiac power output and its response to exercise in athletes and nonâ€athletes. Clinical Physiology and Functional Imaging, 2013, 33, 201-205.	1.2	17
52	Relationship between peak cardiac pumping capability and indices of cardioâ€respiratory fitness in healthy individuals. Clinical Physiology and Functional Imaging, 2012, 32, 388-393.	1.2	4
53	The validity of estimating triceps brachii volume from single MRI cross-sectional area before and after resistance training. Journal of Sports Sciences, 2011, 29, 635-641.	2.0	10
54	Heart rate recovery after submaximal exercise in four different recovery protocols in male athletes and non-athletes. Journal of Sports Science and Medicine, 2011, 10, 369-75.	1.6	26

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55	Analysis of anaerobic capacity in rowers using Wingate test on cycle and rowing ergometer. Medicinski Pregled, 2010, 63, 620-623.	0.1	5
56	Heart rate variability before and after cycle exercise in relation to different body positions. Journal of Sports Science and Medicine, 2010, 9, 176-82.	1.6	28
57	Follow up of some anthropometric and ergometric parameters during 8 week resistance training. Medicinski Pregled, 2009, 62, 505-512.	0.1	1
58	Maximal Anaerobic Power Test in Athletes of Different Sport Disciplines. Journal of Strength and Conditioning Research, 2009, 23, 751-755.	2.1	68
59	Motivation and motoric tests in sports. Medicinski Pregled, 2007, 60, 231-236.	0.1	22
60	Body mass index, body fat mass and the occurrence of amenorrhea in ballet dancers. Gynecological Endocrinology, 2005, 20, 195-199.	1.7	47
61	St. John's wort (Hypericum perforatum L.) and kindling epilepsy in rabbit. Phytomedicine, 2002, 9, 496-499.	5.3	21