Lonnie G Petersen

List of Publications by Year
in descending order

29	794	759233 12	501196 28
papers	citations	h-index	g-index

30	30	30	823
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Going against the flow: are venous thromboembolism and impaired cerebral drainage critical risks for spaceflight?. Journal of Applied Physiology, 2022, 132, 270-273.	2.5	8
2	Gravitational effects on intraocular pressure and ocular perfusion pressure. Journal of Applied Physiology, 2022, 132, 24-35.	2.5	7
3	Search for Venous Endothelial Biomarkers Heralding Venous Thromboembolism in Space: A Qualitative Systematic Review of Terrestrial Studies. Frontiers in Physiology, 2022, 13, 885183.	2.8	8
4	Graded lower body negative pressure induces intraventricular negative pressures and incremental diastolic suction: a pressure-volume study in a porcine model. Journal of Applied Physiology, 2022, 133, 20-26.	2.5	3
5	Lumbar puncture position influences intracranial pressure. Acta Neurochirurgica, 2021, 163, 1997-2004.	1.7	9
6	Jumping at a chance to control cerebral blood flow in astronauts. Experimental Physiology, 2021, 106, 1407-1409.	2.0	2
7	Indirect measurement of absolute cardiac output during exercise in simulated altered gravity is highly dependent on the method. Journal of Clinical Monitoring and Computing, 2021, , 1.	1.6	4
8	Daily generation of a footward fluid shift attenuates ocular changes associated with head-down tilt bed rest. Journal of Applied Physiology, 2020, 129, 1220-1231.	2.5	11
9	Gravitational effects on intracranial pressure and blood flow regulation in young men: a potential shunting role for the external carotid artery. Journal of Applied Physiology, 2020, 129, 901-908.	2.5	8
10	MADVent: A lowâ€cost ventilator for patients with COVIDâ€19. Medical Devices & Sensors, 2020, 3, e10106.	2.7	38
11	Single ventilator for multiple patients during COVID19 surge: matching and balancing patients. Critical Care, 2020, 24, 357.	5.8	9
12	Reviving lower body negative pressure as a countermeasure to prevent pathological vascular and ocular changes in microgravity. Npj Microgravity, 2020, 6, 38.	3.7	20
13	Intracranial Pressure After Soccer Heading. FASEB Journal, 2020, 34, 1-1.	0.5	3
14	Mischaracterization of Spaceflight-Associated Neuro-Ocular Syndromeâ€”Reply. JAMA Neurology, 2019, 76, 1259.	9.0	3
15	Studies of Hydrocephalus Associated With Long-term Spaceflight May Provide New Insights Into Cerebrospinal Fluid Flow Dynamics Here on Earth. JAMA Neurology, 2019, 76, 391.	9.0	21
16	Gravity, intracranial pressure, and cerebral autoregulation. Physiological Reports, 2019, 7, e14039.	1.7	15
17	Mobile Lower Body Negative Pressure Suit as an Integrative Countermeasure for Spaceflight. Aerospace Medicine and Human Performance, 2019, 90, 993-999.	0.4	24
18	Dynamic Cerebral Autoregulation Is Maintained during High-Intensity Interval Exercise. Medicine and Science in Sports and Exercise, 2019, 51, 372-378.	0.4	15

#	Article	IF	Citations
19	Lower body negative pressure to safely reduce intracranial pressure. Journal of Physiology, 2019, 597, 237-248.	2.9	57
20	Maintained exerciseâ€enhanced brain executive function related to cerebral lactate metabolism in men. FASEB Journal, 2018, 32, 1417-1427.	0.5	91
21	The Effects of Resistance Exercise on Intracranial Pressure. FASEB Journal, 2018, 32, 587.8.	0.5	1
22	Effect of gravity and microgravity on intracranial pressure. Journal of Physiology, 2017, 595, 2115-2127.	2.9	205
23	Cerebral Energy Metabolism And Executive Function After Repeated High-intensity Interval Exercise With Decreased Lactate Concentration. Medicine and Science in Sports and Exercise, 2017, 49, 578.	0.4	0
24	The Gly16 Allele of the G16R Single Nucleotide Polymorphism in the Î²2-Adrenergic Receptor Gene Augments the Glycemic Response to Adrenaline in Humans. Frontiers in Physiology, 2017, 8, 661.	2.8	6
25	Coupling between arterial and venous cerebral blood flow during postural change. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1255-R1261.	1.8	14
26	Body height and arterial pressure in seated and supine young males during +2 G centrifugation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1172-R1177.	1.8	5
27	Effect of postural changes on ICP in healthy and ill subjects. Acta Neurochirurgica, 2015, 157, 109-113.	1.7	80
28	Mechanisms of increase in cardiac output during acute weightlessness in humans. Journal of Applied Physiology, 2011, 111, 407-411.	2.5	31
29	Vasorelaxation in Space. Hypertension, 2006, 47, 69-73.	2.7	96