

Lonnie G Petersen

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

794
citations

759233

12
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

823
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of gravity and microgravity on intracranial pressure. <i>Journal of Physiology</i> , 2017, 595, 2115-2127.	2.9	205
2	Vasorelaxation in Space. <i>Hypertension</i> , 2006, 47, 69-73.	2.7	96
3	Maintained exercise-enhanced brain executive function related to cerebral lactate metabolism in men. <i>FASEB Journal</i> , 2018, 32, 1417-1427.	0.5	91
4	Effect of postural changes on ICP in healthy and ill subjects. <i>Acta Neurochirurgica</i> , 2015, 157, 109-113.	1.7	80
5	Lower body negative pressure to safely reduce intracranial pressure. <i>Journal of Physiology</i> , 2019, 597, 237-248.	2.9	57
6	MADVent: A low-cost ventilator for patients with COVID-19. <i>Medical Devices & Sensors</i> , 2020, 3, e10106.	2.7	38
7	Mechanisms of increase in cardiac output during acute weightlessness in humans. <i>Journal of Applied Physiology</i> , 2011, 111, 407-411.	2.5	31
8	Mobile Lower Body Negative Pressure Suit as an Integrative Countermeasure for Spaceflight. <i>Aerospace Medicine and Human Performance</i> , 2019, 90, 993-999.	0.4	24
9	Studies of Hydrocephalus Associated With Long-term Spaceflight May Provide New Insights Into Cerebrospinal Fluid Flow Dynamics Here on Earth. <i>JAMA Neurology</i> , 2019, 76, 391.	9.0	21
10	Reviving lower body negative pressure as a countermeasure to prevent pathological vascular and ocular changes in microgravity. <i>Npj Microgravity</i> , 2020, 6, 38.	3.7	20
11	Gravity, intracranial pressure, and cerebral autoregulation. <i>Physiological Reports</i> , 2019, 7, e14039.	1.7	15
12	Dynamic Cerebral Autoregulation Is Maintained during High-Intensity Interval Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 372-378.	0.4	15
13	Coupling between arterial and venous cerebral blood flow during postural change. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R1255-R1261.	1.8	14
14	Daily generation of a footward fluid shift attenuates ocular changes associated with head-down tilt bed rest. <i>Journal of Applied Physiology</i> , 2020, 129, 1220-1231.	2.5	11
15	Single ventilator for multiple patients during COVID19 surge: matching and balancing patients. <i>Critical Care</i> , 2020, 24, 357.	5.8	9
16	Lumbar puncture position influences intracranial pressure. <i>Acta Neurochirurgica</i> , 2021, 163, 1997-2004.	1.7	9
17	Gravitational effects on intracranial pressure and blood flow regulation in young men: a potential shunting role for the external carotid artery. <i>Journal of Applied Physiology</i> , 2020, 129, 901-908.	2.5	8
18	Going against the flow: are venous thromboembolism and impaired cerebral drainage critical risks for spaceflight?. <i>Journal of Applied Physiology</i> , 2022, 132, 270-273.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Search for Venous Endothelial Biomarkers Heraldng Venous Thromboembolism in Space: A Qualitative Systematic Review of Terrestrial Studies. <i>Frontiers in Physiology</i> , 2022, 13, 885183.	2.8	8
20	Gravitational effects on intraocular pressure and ocular perfusion pressure. <i>Journal of Applied Physiology</i> , 2022, 132, 24-35.	2.5	7
21	The Gly16 Allele of the G16R Single Nucleotide Polymorphism in the β 2-Adrenergic Receptor Gene Augments the Glycemic Response to Adrenaline in Humans. <i>Frontiers in Physiology</i> , 2017, 8, 661.	2.8	6
22	Body height and arterial pressure in seated and supine young males during +2 G centrifugation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1172-R1177.	1.8	5
23	Indirect measurement of absolute cardiac output during exercise in simulated altered gravity is highly dependent on the method. <i>Journal of Clinical Monitoring and Computing</i> , 2021, , 1.	1.6	4
24	Mischaracterization of Spaceflight-Associated Neuro-Ocular Syndrome—Reply. <i>JAMA Neurology</i> , 2019, 76, 1259.	9.0	3
25	Intracranial Pressure After Soccer Heading. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	3
26	Graded lower body negative pressure induces intraventricular negative pressures and incremental diastolic suction: a pressure-volume study in a porcine model. <i>Journal of Applied Physiology</i> , 2022, 133, 20-26.	2.5	3
27	Jumping at a chance to control cerebral blood flow in astronauts. <i>Experimental Physiology</i> , 2021, 106, 1407-1409.	2.0	2
28	The Effects of Resistance Exercise on Intracranial Pressure. <i>FASEB Journal</i> , 2018, 32, 587.8.	0.5	1
29	Cerebral Energy Metabolism And Executive Function After Repeated High-intensity Interval Exercise With Decreased Lactate Concentration. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 578.	0.4	0