

Steven S Laurie

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,869
citations

361413

20
h-index

395702

33
g-index

42
all docs

42
docs citations

42
times ranked

1810
citing authors

#	ARTICLE	IF	CITATIONS
1	No effect of patent foramen ovale on acute mountain sickness and pulmonary pressure in normobaric hypoxia. <i>Experimental Physiology</i> , 2022, 107, 122-132.	2.0	2
2	Lower transfer factor of the lung for carbon monoxide in women with a patent foramen ovale. <i>Experimental Physiology</i> , 2022, , .	2.0	1
3	Cerebrovascular Effects of Lower Body Negative Pressure at 3T MRI : Implications for Long-Duration Space Travel. <i>Journal of Magnetic Resonance Imaging</i> , 2022, , .	3.4	2
4	Changes in Optic Nerve Head and Retinal Morphology During Spaceflight and Acute Fluid Shift Reversal. <i>JAMA Ophthalmology</i> , 2022, 140, 763.	2.5	14
5	Effects of head-down tilt bed rest plus elevated CO ₂ on cognitive performance. <i>Journal of Applied Physiology</i> , 2021, 130, 1235-1246.	2.5	15
6	Mechanical countermeasures to headward fluid shifts. <i>Journal of Applied Physiology</i> , 2021, 130, 1766-1777.	2.5	15
7	Association of Structural Changes in the Brain and Retina After Long-Duration Spaceflight. <i>JAMA Ophthalmology</i> , 2021, 139, 781.	2.5	9
8	Optic disc edema and chorioretinal folds develop during strict 6° head-down tilt bed rest with or without artificial gravity. <i>Physiological Reports</i> , 2021, 9, e14977.	1.7	18
9	Intraocular pressure and choroidal thickness respond differently to lower body negative pressure during spaceflight. <i>Journal of Applied Physiology</i> , 2021, 131, 613-620.	2.5	21
10	Lower body negative pressure reduces jugular and portal vein volumes and counteracts the elevation of middle cerebral vein velocity during long-duration spaceflight. <i>Journal of Applied Physiology</i> , 2021, 131, 1080-1087.	2.5	14
11	Optic Disc Edema and Choroidal Engorgement in Astronauts During Spaceflight and Individuals Exposed to Bed Rest. <i>JAMA Ophthalmology</i> , 2020, 138, 165.	2.5	65
12	Arterial structure and function during and after long-duration spaceflight. <i>Journal of Applied Physiology</i> , 2020, 129, 108-123.	2.5	36
13	Unchanged cerebrovascular CO ₂ reactivity and hypercapnic ventilatory response during strict head-down tilt bed rest in a mild hypercapnic environment. <i>Journal of Physiology</i> , 2020, 598, 2491-2505.	2.9	26
14	Impaired pulmonary gas exchange efficiency, but normal pulmonary artery pressure increases, with hypoxia in men and women with a patent foramen ovale. <i>Experimental Physiology</i> , 2020, 105, 1648-1659.	2.0	6
15	Association of Long-Duration Spaceflight With Anterior and Posterior Ocular Structure Changes in Astronauts and Their Recovery. <i>JAMA Ophthalmology</i> , 2020, 138, 553.	2.5	64
16	Intracranial Effects of Microgravity: A Prospective Longitudinal MRI Study. <i>Radiology</i> , 2020, 295, 640-648.	7.3	71
17	Association of Genetics and B Vitamin Status With the Magnitude of Optic Disc Edema During 30-Day Strict Head-Down Tilt Bed Rest. <i>JAMA Ophthalmology</i> , 2019, 137, 1195.	2.5	32
18	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019, 364, .	12.6	576

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19	Focus on the Optic Nerve Head in Spaceflight-Associated Neuro-ocular Syndrome. <i>Ophthalmology</i> , 2019, 126, 1604-1606.	5.2	21
20	Assessment of Jugular Venous Blood Flow Stasis and Thrombosis During Spaceflight. <i>JAMA Network Open</i> , 2019, 2, e1915011.	5.9	152
21	Optic Disc Edema after 30 Days of Strict Head-down Tilt Bed Rest. <i>Ophthalmology</i> , 2019, 126, 467-468.	5.2	76
22	Physiological and Functional Alterations after Spaceflight and Bed Rest. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1961-1980.	0.4	108
23	Exaggerated Increase in Pulmonary Artery Pressure during Exercise in Adults Born Preterm. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 821-823.	5.6	26
24	Thigh Cuffs as a Countermeasure for Ocular Changes in Simulated Weightlessness. <i>Ophthalmology</i> , 2018, 125, 459-460.	5.2	23
25	Effects of short-term mild hypercapnia during head-down tilt on intracranial pressure and ocular structures in healthy human subjects. <i>Physiological Reports</i> , 2017, 5, e13302.	1.7	55
26	Excessive Pulmonary Artery Systolic Pressure During Exercise in Adults with a History of Preterm Birth. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 154-155.	0.4	1
27	AltitudeOmics: impaired pulmonary gas exchange efficiency and blunted ventilatory acclimatization in humans with patent foramen ovale after 16 days at 5,260 m. <i>Journal of Applied Physiology</i> , 2015, 118, 1100-1112.	2.5	31
28	Pulmonary gas exchange efficiency during exercise breathing normoxic and hypoxic gas in adults born very preterm with low diffusion capacity. <i>Journal of Applied Physiology</i> , 2014, 117, 473-481.	2.5	48
29	Ventilatory and Sensory Responses in Adult Survivors of Preterm Birth and Bronchopulmonary Dysplasia with Reduced Exercise Capacity. <i>Annals of the American Thoracic Society</i> , 2014, 11, 1528-1537.	3.2	75
30	AltitudeOmics: The Integrative Physiology of Human Acclimatization to Hypobaric Hypoxia and Its Retention upon Reascent. <i>PLoS ONE</i> , 2014, 9, e92191.	2.5	88
31	Prevalence of left heart contrast in healthy, young, asymptomatic humans at rest breathing room air. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 71-78.	1.6	54
32	Direct demonstration that blood flow through intrapulmonary arteriovenous anastomoses worsens pulmonary gas exchange efficiency. <i>FASEB Journal</i> , 2013, 27, 723.7.	0.5	0
33	Quantification of hypoxia-induced blood flow through intrapulmonary arteriovenous anastomoses in healthy humans at rest. <i>FASEB Journal</i> , 2013, 27, 715.8.	0.5	0
34	Quantification of reduced blood flow through intrapulmonary arteriovenous anastomoses in healthy humans during exercise breathing 100% O ₂ . <i>FASEB Journal</i> , 2013, 27, 1141.4.	0.5	0
35	Catecholamine-induced opening of intrapulmonary arteriovenous anastomoses in healthy humans at rest. <i>Journal of Applied Physiology</i> , 2012, 113, 1213-1222.	2.5	55
36	Epinephrine opens intrapulmonary arteriovenous anastomoses in healthy humans at rest. <i>FASEB Journal</i> , 2012, 26, 1150.8.	0.5	0

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37	Nifedipine does not open intrapulmonary arteriovenous anastomoses in healthy human subjects during exercise breathing 100% O ₂ . FASEB Journal, 2012, 26, 1138.46.	0.5	0
38	Reply to Van Liew and Vann. Journal of Applied Physiology, 2011, 110, 296-297.	2.5	0
39	Hypoxia-induced intrapulmonary arteriovenous shunting at rest in healthy humans. Journal of Applied Physiology, 2010, 109, 1072-1079.	2.5	69
40	Gas bubble composition does not affect the detection of exercise-induced intrapulmonary arteriovenous shunt in hypoxia, normoxia or hyperoxia. FASEB Journal, 2010, 24, 615.2.	0.5	0
41	Mechanisms of hypoxia-induced intrapulmonary arteriovenous shunting in healthy humans at rest: arterial oxygen saturation or pulmonary artery systolic pressure?. FASEB Journal, 2010, 24, 1061.1.	0.5	0
42	Exercise-induced flow limitation in adults with a history of bronchopulmonary dysplasia.. FASEB Journal, 2010, 24, .	0.5	0