

Aaron A Phillips

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,840
citations

304743

22
h-index

289244

40
g-index

63
all docs

63
docs citations

63
times ranked

1701
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurovascular coupling in humans: Physiology, methodological advances and clinical implications. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 647-664.	4.3	302
2	Epidural Spinal Cord Stimulation Facilitates Immediate Restoration of Dormant Motor and Autonomic Supraspinal Pathways after Chronic Neurologically Complete Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 2325-2336.	3.4	157
3	Contemporary Cardiovascular Concerns after Spinal Cord Injury: Mechanisms, Maladaptations, and Management. <i>Journal of Neurotrauma</i> , 2015, 32, 1927-1942.	3.4	137
4	Cell type prioritization in single-cell data. <i>Nature Biotechnology</i> , 2021, 39, 30-34.	17.5	96
5	Neuroprosthetic baroreflex controls haemodynamics after spinal cord injury. <i>Nature</i> , 2021, 590, 308-314.	27.8	96
6	Regional Neurovascular Coupling and Cognitive Performance in Those with Low Blood Pressure Secondary to High-Level Spinal Cord Injury: Improved by Alpha-1 Agonist Midodrine Hydrochloride. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 794-801.	4.3	90
7	Association of Epidural Stimulation With Cardiovascular Function in an Individual With Spinal Cord Injury. <i>JAMA Neurology</i> , 2018, 75, 630.	9.0	65
8	Perturbed and spontaneous regional cerebral blood flow responses to changes in blood pressure after high-level spinal cord injury: the effect of midodrine. <i>Journal of Applied Physiology</i> , 2014, 116, 645-653.	2.5	62
9	Epidural Spinal Cord Stimulation Acutely Modulates Lower Urinary Tract and Bowel Function Following Spinal Cord Injury: A Case Report. <i>Frontiers in Physiology</i> , 2018, 9, 1816.	2.8	59
10	International Standards to document Autonomic Function following SCI (ISAFSCI). <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2021, 27, 23-49.	1.8	56
11	Long-Term Spinal Cord Stimulation After Chronic Complete Spinal Cord Injury Enables Volitional Movement in the Absence of Stimulation. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 35.	2.5	53
12	Baroreflex Function after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2012, 29, 2431-2445.	3.4	48
13	Cardiac Consequences of Autonomic Dysreflexia in Spinal Cord Injury. <i>Hypertension</i> , 2016, 68, 1281-1289.	2.7	41
14	Regulation of Cerebral Blood Flow after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2013, 30, 1551-1563.	3.4	40
15	Selective Alpha Adrenergic Antagonist Reduces Severity of Transient Hypertension during Sexual Stimulation after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 392-396.	3.4	38
16	Neurovascular coupling and cerebral autoregulation in atrial fibrillation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1647-1657.	4.3	38
17	Aortic Stiffness Increased in Spinal Cord Injury When Matched for Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 2065-2070.	0.4	37
18	Increased Central Arterial Stiffness Explains Baroreflex Dysfunction in Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2014, 31, 1122-1128.	3.4	37

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19	Diverse cognitive impairment after spinal cord injury is associated with orthostatic hypotension symptom burden. <i>Physiology and Behavior</i> , 2020, 213, 112742.	2.1	30
20	Long-term ultra-marathon running and arterial compliance. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 322-325.	1.3	24
21	Respiratory Training Improves Blood Pressure Regulation in Individuals With Chronic Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 964-973.	0.9	24
22	Effect of healthy aging on cerebral blood flow, CO ₂ reactivity, and neurovascular coupling during exercise. <i>Journal of Applied Physiology</i> , 2018, 125, 1917-1930.	2.5	23
23	Wavelet decomposition analysis is a clinically relevant strategy to evaluate cerebrovascular buffering of blood pressure after spinal cord injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H1108-H1114.	3.2	23
24	Aortic distensibility is reduced during intense lower body negative pressure and is related to low frequency power of systolic blood pressure. <i>European Journal of Applied Physiology</i> , 2013, 113, 785-792.	2.5	22
25	Emergency management of autonomic dysreflexia with neurologic complications. <i>Cmaj</i> , 2016, 188, 1100-1103.	2.0	22
26	Acute heat stress reduces biomarkers of endothelial activation but not macro- or microvascular dysfunction in cervical spinal cord injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H722-H733.	3.2	22
27	The association between arterial properties and blood pressure in children. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 72-78.	1.9	17
28	Network analysis identifies consensus physiological measures of neurovascular coupling in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 656-666.	4.3	14
29	Heart Disease and Left Ventricular Rotation – A Systematic Review and Quantitative Summary. <i>BMC Cardiovascular Disorders</i> , 2012, 12, 46.	1.7	13
30	Spinal Cord Injury Impairs Cardiovascular Capacity in Elite Wheelchair Rugby Athletes. <i>Clinical Journal of Sport Medicine</i> , 2017, Publish Ahead of Print, 33-39.	1.8	12
31	Assessment of arterial stiffness among schizophrenia-spectrum disorders using aortic pulse wave velocity and arterial compliance: A pilot study. <i>Psychiatry Research</i> , 2014, 215, 14-19.	3.3	11
32	Stability in neurovascular function at 3800 m. <i>Physiology and Behavior</i> , 2017, 182, 62-68.	2.1	11
33	Reduced colonic smooth muscle cholinergic responsiveness is associated with impaired bowel motility after chronic experimental high-level spinal cord injury. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019, 216, 33-38.	2.8	11
34	Vascular-Cognitive Impairment following High-Thoracic Spinal Cord Injury Is Associated with Structural and Functional Maladaptations in Cerebrovasculature. <i>Journal of Neurotrauma</i> , 2020, 37, 1963-1970.	3.4	11
35	Prazosin: a potential new management tool for iatrogenic autonomic dysreflexia in individuals with spinal cord injury?. <i>Neural Regeneration Research</i> , 2015, 10, 557.	3.0	11
36	Sleep-disordered breathing is associated with brain vascular reactivity in spinal cord injury. <i>Neurology</i> , 2019, 93, e2181-e2191.	1.1	9

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37	PRES secondary to autonomic dysreflexia: A case series and review of the literature. <i>Journal of Spinal Cord Medicine</i> , 2021, 44, 606-612.	1.4	8
38	A national survey of physical activity after spinal cord injury. <i>Scientific Reports</i> , 2022, 12, 4405.	3.3	8
39	Spinal Cord Disruption Is Associated with a Loss of Cushing-Like Blood Pressure Interactions. <i>Journal of Neurotrauma</i> , 2019, 36, 1487-1490.	3.4	7
40	Mitigating Initial Orthostatic Hypotension: Mechanistic Roles of Muscle Contraction Versus Sympathetic Activation. <i>Hypertension</i> , 2022, 79, 638-647.	2.7	7
41	Effects of circulating extracellular microvesicles from spinal cord-injured adults on endothelial cell function. <i>Clinical Science</i> , 2020, 134, 777-789.	4.3	6
42	Cardiovascular Dysfunction Following Spinal Cord Injury. , 2017, , 325-361.		5
43	In with the new and out with the old: enter multivariate wavelet decomposition, exit transfer function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H735-H737.	3.2	4
44	Alarming blood pressure changes during routine bladder emptying in a woman with cervical spinal cord injury. <i>Spinal Cord Series and Cases</i> , 2017, 3, 17101.	0.6	4
45	Journal Club: Relationship between carotid arterial properties and cerebral white matter hyperintensities. <i>Neurology</i> , 2018, 90, 338-340.	1.1	4
46	National Survey of Bladder and Gastrointestinal Dysfunction in People with Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 2011-2019.	3.4	4
47	Cerebrovascular function is preserved during mild hyperthermia in cervical spinal cord injury. <i>Spinal Cord</i> , 2019, 57, 979-984.	1.9	3
48	Visual task complexity and eye movement patterns influence measures of human neurovascular coupling. <i>Physiology and Behavior</i> , 2021, 229, 113198.	2.1	3
49	Passive leg cycling increases activity of the cardiorespiratory system in people with tetraplegia. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 269-277.	1.9	3
50	Neurovascular coupling is not influenced by lower body negative pressure in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H22-H31.	3.2	3
51	Lower body muscle preactivation and tensing mitigate symptoms of initial orthostatic hypotension in young females. <i>Heart Rhythm</i> , 2022, 19, 604-610.	0.7	3
52	Is Technology for Orthostatic Hypotension Ready for Primetime?. <i>PM and R</i> , 2018, 10, S249-S263.	1.6	2
53	Experimental high thoracic spinal cord injury impairs the cardiac and cerebrovascular response to orthostatic challenge in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H716-H727.	3.2	2
54	National survey of mental health and suicidal thoughts in people with spinal cord injury. <i>Spinal Cord</i> , 2022, 60, 444-450.	1.9	2

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55	Orthostatic hypotension is associated with impaired cardiac structure and function after spinal cord injury. FASEB Journal, 2021, 35, .	0.5	0
56	Changes in central arterial stiffness during lower body negative pressure. FASEB Journal, 2012, 26, 853.30.	0.5	0
57	Reaction time performance is related to brain blood flow during gravitational stress. FASEB Journal, 2012, 26, 1085.8.	0.5	0
58	Influence of sex and training status on cardiac and baroreceptor function following combined high-intensity interval exercise and orthostatic stress. FASEB Journal, 2013, 27, 711.1.	0.5	0
59	Impact of Spinal Cord Injury and Chronically Induced Orthostatic Hypotension on Left Ventricular Contractility and Stiffness. FASEB Journal, 2019, 33, 531.8.	0.5	0
60	Cerebrovascular Consequences of Chronic Orthostatic Hypotension. FASEB Journal, 2019, 33, 533.16.	0.5	0
61	Epidural stimulation improves cerebral autoregulation and autonomic cardiac control in humans with spinal cord injury. FASEB Journal, 2019, 33, 533.6.	0.5	0
62	Neurovascular Coupling is Blunted in Atrial Fibrillation. FASEB Journal, 2019, 33, 696.3.	0.5	0
63	Pendulum Study: Active Visual Tracking Elicits Non-selective Elevations in Cerebral Blood Flow. FASEB Journal, 2019, 33, 528.2.	0.5	0