Christopher R West

List of Publications by Year
in descending order

75 papers	1,860 citations	236925 25 h-index	302126 39 g-index
77 all docs	77 docs citations	77 times ranked	1564 citing authors

#	Article	IF	Citations
1	Spinal cord injury impairs cardiac function due to impaired bulbospinal sympathetic control. Nature Communications, 2022, 13, 1382.	12.8	13
2	Preserved Cardioâ€Inotropic Baroreflex Function Following Optimized Hemodynamic Management in Highâ€Thoracic Spinal Cord Injury. FASEB Journal, 2022, 36, .	0.5	0
3	From guidelines to practice: development and implementation of disability-specific physical activity guidelines. Disability and Rehabilitation, 2021, 43, 3432-3439.	1.8	9
4	Effects of a Tailored Physical Activity Intervention on Cardiovascular Structure and Function in Individuals With Spinal Cord Injury. Neurorehabilitation and Neural Repair, 2021, 35, 692-703.	2.9	7
5	Development of a Rodent Spinal Cord Injury Model Permissive to Study the Cardiovascular Effects of Rehabilitation Approaches Designed to Induce Neuroplasticity. FASEB Journal, 2021, 35, .	0.5	0
6	V alidity of Assessing in vivo Cardiac Contractility Using A â€œLessâ€Invasiveâ€•Approach during Mechanical Ventilation: Insights from Small and Large Animal Models. FASEB Journal, 2021, 35, .	0.5	0
7	Orthostatic hypotension is associated with impaired cardiac structure and function after spinal cord injury. FASEB Journal, 2021, 35, .	0.5	0
8	Cardiovascular responses to heat acclimatisation in athletes with spinal cord injury. Journal of Science and Medicine in Sport, 2021, 24, 756-762.	1.3	2
9	Effects of early exercise training on the severity of autonomic dysreflexia following incomplete spinal cord injury in rodents. Physiological Reports, 2021, 9, e14969.	1.7	7
10	Experimental high thoracic spinal cord injury impairs the cardiac and cerebrovascular response to orthostatic challenge in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H716-H727.	3.2	2
11	How does cervical spinal cord injury impact the cardiopulmonary response to exercise?. Respiratory Physiology and Neurobiology, 2021, 293, 103714.	1.6	9
12	Markers of susceptibility to cardiac arrhythmia in experimental spinal cord injury and the impact of sympathetic stimulation and exercise training. Autonomic Neuroscience: Basic and Clinical, 2021, 235, 102867.	2.8	2
13	Hemorrhage and Locomotor Deficits Induced by Pain Input after Spinal Cord Injury Are Partially Mediated by Changes in Hemodynamics. Journal of Neurotrauma, 2021, 38, 3406-3430.	3.4	6
14	Development of a Spinal Cord Injury Model Permissive to Study the Cardiovascular Effects of Rehabilitation Approaches Designed to Induce Neuroplasticity. Biology, 2021, 10, 1006.	2.8	1
15	Physiological Considerations to Support Podium Performance in Para-Athletes. Frontiers in Rehabilitation Sciences, 2021, 2, .	1.2	10
16	Contribution of Brain Processes to Tissue Loss After Spinal Cord Injury: Does a Pain-Induced Rise in Blood Pressure Fuel Hemorrhage?. Frontiers in Systems Neuroscience, 2021, 15, 733056.	2.5	3
17	Physical activity measurement in people with spinal cord injury: comparison of accelerometry and self-report (the Physical Activity Recall Assessment for People with Spinal Cord Injury). Disability and Rehabilitation, 2020, 42, 240-246.	1.8	21
18	A porcine model for studying the cardiovascular consequences of highâ€thoracic spinal cord injury. Journal of Physiology, 2020, 598, 929-942.	2.9	11

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19	Cardio-centric hemodynamic management improves spinal cord oxygenation and mitigates hemorrhage in acute spinal cord injury. Nature Communications, 2020, 11, 5209.	12.8	19
20	A pragmatic randomized controlled trial testing the effects of the international scientific SCI exercise guidelines on SCI chronic pain: protocol for the EPIC-SCI trial. Spinal Cord, 2020, 58, 746-754.	1.9	8
21	Translating the international scientific spinal cord injury exercise guidelines into community and clinical practice guidelines: a Canadian evidence-informed resource. Spinal Cord, 2020, 58, 647-657.	1.9	16
22	Experimental Spinal Cord Injury Causes Left-Ventricular Atrophy and Is Associated with an Upregulation of Proteolytic Pathways. Journal of Neurotrauma, 2019, 36, 950-961.	3.4	16
23	Empirical targets for acute hemodynamic management of individuals with spinal cord injury. Neurology, 2019, 93, e1205-e1211.	1.1	31
24	Development of Cardiometabolic Health indicators to advance the quality of spinal cord injury rehabilitation: SCI-High Project. Journal of Spinal Cord Medicine, 2019, 42, 166-175.	1.4	6
25	The Effects of a Patient and Provider Co-Developed, Behavioral Physical Activity Intervention on Physical Activity, Psychosocial Predictors, and Fitness in Individuals with Spinal Cord Injury: A Randomized Controlled Trial. Sports Medicine, 2019, 49, 1117-1131.	6.5	41
26	Respiratory muscle training in athletes with cervical spinal cord injury: effects on cardiopulmonary function and exercise capacity. Journal of Physiology, 2019, 597, 3673-3685.	2.9	26
27	Transverse tendon stiffness is reduced in people with Achilles tendinopathy: A cross-sectional study. PLoS ONE, 2019, 14, e0211863.	2.5	25
28	Spinal Cord Disruption Is Associated with a Loss of Cushing-Like Blood Pressure Interactions. Journal of Neurotrauma, 2019, 36, 1487-1490.	3.4	7
29	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
30	Association of Epidural Stimulation With Cardiovascular Function in an Individual With Spinal Cord Injury. JAMA Neurology, 2018, 75, 630.	9.0	65
31	Wrist Accelerometry for Physical Activity Measurement in Individuals With Spinal Cord Injuryâ€"A Need for Individually Calibrated Cut-Points. Archives of Physical Medicine and Rehabilitation, 2018, 99, 684-689.	0.9	15
32	A 20 Ã— 20 m repeated sprint field test replicates the demands of wheelchair rugby. Journal of Science and Medicine in Sport, 2018, 21, 753-757.	1.3	12
33	Challenging cardiac function post-spinal cord injury with dobutamine. Autonomic Neuroscience: Basic and Clinical, 2018, 209, 19-24.	2.8	14
34	Spinal Cord Injury Causes Systolic Dysfunction and Cardiomyocyte Atrophy. Journal of Neurotrauma, 2018, 35, 424-434.	3.4	28
35	Evidence-based scientific exercise guidelines for adults with spinal cord injury: an update and a new guideline. Spinal Cord, 2018, 56, 308-321.	1.9	289
36	Spinal cord injuryâ€induced cardiomyocyte atrophy and impaired cardiac function are severity dependent. Experimental Physiology, 2018, 103, 179-189.	2.0	15

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37	Exercise-induced diaphragm fatigue in a Paralympic champion rower with spinal cord injury. Journal of Applied Physiology, 2018, 124, 805-811.	2.5	3
38	Effect of Unintentional Boosting on Exercise Performance in a Tetraplegic Athlete. Medicine and Science in Sports and Exercise, 2018, 50, 2398-2400.	0.4	3
39	Effect of diaphragm fatigue on subsequent exercise tolerance in healthy men and women. Journal of Applied Physiology, 2018, 125, 1987-1996.	2.5	28
40	Sex differences in diaphragmatic fatigue: the cardiovascular response to inspiratory resistance. Journal of Physiology, 2018, 596, 4017-4032.	2.9	45
41	Minocycline Reduces the Severity of Autonomic Dysreflexia after Experimental Spinal Cord Injury. Journal of Neurotrauma, 2018, 35, 2861-2871.	3.4	26
42	Autonomic cardiovascular control and sports classification in Paralympic athletes with spinal cord injury. Disability and Rehabilitation, 2017, 39, 127-134.	1.8	11
43	Effects of early and delayed initiation of exercise training on cardiac and haemodynamic function after spinal cord injury. Experimental Physiology, 2017, 102, 154-163.	2.0	5
44	Spinal cord perfusion pressure predicts neurologic recovery in acute spinal cord injury. Neurology, 2017, 89, 1660-1667.	1.1	121
45	Effects of exercise on fitness and health of adults with spinal cord injury. Neurology, 2017, 89, 736-745.	1.1	150
46	A comparison of passive hindlimb cycling and active upper-limb exercise provides new insights into systolic dysfunction after spinal cord injury. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H861-H870.	3.2	22
47	High Thoracic Contusion Model for the Investigation of Cardiovascular Function after Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 671-684.	3.4	26
48	Left Ventricular Mechanics in Untrained and Trained Males with Tetraplegia. Journal of Neurotrauma, 2017, 34, 591-598.	3.4	7
49	Characterizing the Severity of Autonomic Cardiovascular Dysfunction after Spinal Cord Injury Using a Novel 24 Hour Ambulatory Blood Pressure Analysis Software. Journal of Neurotrauma, 2017, 34, 559-566.	3.4	14
50	Perspective: Does Laboratory-Based Maximal Incremental Exercise Testing Elicit Maximum Physiological Responses in Highly-Trained Athletes with Cervical Spinal Cord Injury?. Frontiers in Physiology, 2016, 6, 419.	2.8	5
51	Differences in Left Ventricular Global Function and Mechanics in Paralympic Athletes with Cervical and Thoracic Spinal Cord Injuries. Frontiers in Physiology, 2016, 7, 110.	2.8	15
52	Cardiac Consequences of Autonomic Dysreflexia in Spinal Cord Injury. Hypertension, 2016, 68, 1281-1289.	2.7	41
53	Development of an Algorithm to Perform a Comprehensive Study of Autonomic Dysreflexia in Animals with High Spinal Cord Injury Using a Telemetry Device. Journal of Visualized Experiments, 2016, , .	0.3	4
54	Passive Hind-Limb Cycling Reduces the Severity of Autonomic Dysreflexia After Experimental Spinal Cord Injury. Neurorehabilitation and Neural Repair, 2016, 30, 317-327.	2.9	30

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55	Respiratory System Responses to Exercise in Spinal Cord Injury. , 2016, , 51-75.		1
56	Autonomic Nervous System Dysfunction Following Spinal Cord Injury: Cardiovascular, Cerebrovascular, and Thermoregulatory Effects. Current Physical Medicine and Rehabilitation Reports, 2015, 3, 197-205.	0.8	12
57	Active-Arm Passive-Leg Exercise Improves Cardiovascular Function in Spinal Cord Injury. American Journal of Physical Medicine and Rehabilitation, 2015, 94, e102-e106.	1.4	13
58	Neuroprotection, Plasticity Manipulation, and Regenerative Strategies to Improve Cardiovascular Function following Spinal Cord Injury. Journal of Neurotrauma, 2015, 32, 609-621.	3.4	18
59	Boosting in Elite Athletes with Spinal Cord Injury: A Critical Review of Physiology and Testing Procedures. Sports Medicine, 2015, 45, 1133-1142.	6.5	27
60	Characterizing the Temporal Development of Cardiovascular Dysfunction in Response to Spinal Cord Injury. Journal of Neurotrauma, 2015, 32, 922-930.	3.4	45
61	Peak Heart Rates and Sympathetic Function in Tetraplegic Nonathletes and Athletes. Medicine and Science in Sports and Exercise, 2015, 47, 1259-1264.	0.4	26
62	Effect of abdominal binding on respiratory mechanics during exercise in athletes with cervical spinal cord injury. Journal of Applied Physiology, 2014, 117, 36-45.	2.5	31
63	Passive hindâ€limb cycling improves cardiac function and reduces cardiovascular disease risk in experimental spinal cord injury. Journal of Physiology, 2014, 592, 1771-1783.	2.9	45
64	Physical exercise improves arterial stiffness after spinal cord injury. Journal of Spinal Cord Medicine, 2014, 37, 782-785.	1.4	12
65	Autonomic Cardiovascular Control in Paralympic Athletes with Spinal Cord Injury. Medicine and Science in Sports and Exercise, 2014, 46, 60-68.	0.4	47
66	The Role of Autonomic Function on Sport Performance in Athletes With Spinal Cord Injury. PM and R, 2014, 6, S58-65.	1.6	47
67	Effects of abdominal binding on field-based exercise responses in Paralympic athletes with cervical spinal cord injury. Journal of Science and Medicine in Sport, 2014, 17, 351-355.	1.3	38
68	Autonomic Function and Exercise Performance in Elite Athletes with Cervical Spinal Cord Injury. Medicine and Science in Sports and Exercise, 2013, 45, 261-267.	0.4	45
69	Cardiovascular Function in Individuals with Incomplete Spinal Cord Injury: A Systematic Review. Topics in Spinal Cord Injury Rehabilitation, 2013, 19, 267-278.	1.8	56
70	Resting Cardiopulmonary Function in Paralympic Athletes with Cervical Spinal Cord Injury. Medicine and Science in Sports and Exercise, 2012, 44, 323-329.	0.4	41
71	Assessment of Pulmonary Restriction in Cervical Spinal Cord Injury: A Preliminary Report. Archives of Physical Medicine and Rehabilitation, 2012, 93, 1463-1465.	0.9	4
72	Effects of abdominal binding on cardiorespiratory function in cervical spinal cord injury. Respiratory Physiology and Neurobiology, 2012, 180, 275-282.	1.6	28

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73	No effect of arm-crank exercise on diaphragmatic fatigue or ventilatory constraint in Paralympic athletes with cervical spinal cord injury. Journal of Applied Physiology, 2010, 109, 358-366.	2.5	29
74	Temporal Changes of Cardiac Structure, Function, and Mechanics During Sub-acute Cervical and Thoracolumbar Spinal Cord Injury in Humans: A Case-Series. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	1
75	Influence of respiratory loading on leftâ€ventricular function in cervical spinal cord injury. Journal of Physiology, 0, , .	2.9	2