# Christopher R West

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | 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 |
| 2 | Effects of exercise on fitness and health of adults with spinal cord injury. Neurology, 2017, 89, 736-745. | 1.1 | 150 |
| 3 | Spinal cord perfusion pressure predicts neurologic recovery in acute spinal cord injury. Neurology, 2017, 89, 1660-1667. | 1.1 | 121 |
| 4 | Association of Epidural Stimulation With Cardiovascular Function in an Individual With Spinal Cord Injury. JAMA Neurology, 2018, 75, 630. | 9.0 | 65 |
| 5 | 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 |
| 6 | Autonomic Cardiovascular Control in Paralympic Athletes with Spinal Cord Injury. Medicine and Science in Sports and Exercise, 2014, 46, 60-68. | 0.4 | 47 |
| 7 | The Role of Autonomic Function on Sport Performance in Athletes With Spinal Cord Injury. PM and R, 2014, 6, S58-65. | 1.6 | 47 |
| 8 | 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 |
| 9 | 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 |
| 10 | Characterizing the Temporal Development of Cardiovascular Dysfunction in Response to Spinal Cord Injury. Journal of Neurotrauma, 2015, 32, 922-930. | 3.4 | 45 |
| 11 | Sex differences in diaphragmatic fatigue: the cardiovascular response to inspiratory resistance. Journal of Physiology, 2018, 596, 4017-4032. | 2.9 | 45 |
| 12 | 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 |
| 13 | Cardiac Consequences of Autonomic Dysreflexia in Spinal Cord Injury. Hypertension, 2016, 68, 1281-1289. | 2.7 | 41 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Empirical targets for acute hemodynamic management of individuals with spinal cord injury. Neurology, 2019, 93, e1205-e1211. | 1.1 | 31 |
| 18 | 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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| 19 | 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 |
| 20 | Effects of abdominal binding on cardiorespiratory function in cervical spinal cord injury. Respiratory Physiology and Neurobiology, 2012, 180, 275-282. | 1.6 | 28 |
| 21 | Spinal Cord Injury Causes Systolic Dysfunction and Cardiomyocyte Atrophy. Journal of Neurotrauma, 2018, 35, 424-434. | 3.4 | 28 |
| 22 | Effect of diaphragm fatigue on subsequent exercise tolerance in healthy men and women. Journal of Applied Physiology, 2018, 125, 1987-1996. | 2.5 | 28 |
| 23 | 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 |
| 24 | 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 |
| 25 | High Thoracic Contusion Model for the Investigation of Cardiovascular Function after Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 671-684. | 3.4 | 26 |
| 26 | Minocycline Reduces the Severity of Autonomic Dysreflexia after Experimental Spinal Cord Injury. Journal of Neurotrauma, 2018, 35, 2861-2871. | 3.4 | 26 |
| 27 | 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 |
| 28 | Transverse tendon stiffness is reduced in people with Achilles tendinopathy: A cross-sectional study. PLoS ONE, 2019, 14, e0211863. | 2.5 | 25 |
| 29 | 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 |
| 30 | 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 |
| 31 | Cardio-centric hemodynamic management improves spinal cord oxygenation and mitigates hemorrhage in acute spinal cord injury. Nature Communications, 2020, 11, 5209. | 12.8 | 19 |
| 32 | Neuroprotection, Plasticity Manipulation, and Regenerative Strategies to Improve Cardiovascular Function following Spinal Cord Injury. Journal of Neurotrauma, 2015, 32, 609-621. | 3.4 | 18 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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| 37 | Spinal cord injuryâ€induced cardiomyocyte atrophy and impaired cardiac function are severity dependent. Experimental Physiology, 2018, 103, 179-189. | 2.0 | 15 |
| 38 | 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 |
| 39 | Challenging cardiac function post-spinal cord injury with dobutamine. Autonomic Neuroscience: Basic and Clinical, 2018, 209, 19-24. | 2.8 | 14 |
| 40 | 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 |
| 41 | Spinal cord injury impairs cardiac function due to impaired bulbospinal sympathetic control. Nature Communications, 2022, 13, 1382. | 12.8 | 13 |
| 42 | Physical exercise improves arterial stiffness after spinal cord injury. Journal of Spinal Cord Medicine, 2014, 37, 782-785. | 1.4 | 12 |
| 43 | 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 |
| 44 | 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 |
| 45 | Autonomic cardiovascular control and sports classification in Paralympic athletes with spinal cord injury. Disability and Rehabilitation, 2017, 39, 127-134. | 1.8 | 11 |
| 46 | A porcine model for studying the cardiovascular consequences of highâ€thoracic spinal cord injury. Journal of Physiology, 2020, 598, 929-942. | 2.9 | 11 |
| 47 | Physiological Considerations to Support Podium Performance in Para-Athletes. Frontiers in Rehabilitation Sciences, 2021, 2, . | 1.2 | 10 |
| 48 | From guidelines to practice: development and implementation of disability-specific physical activity guidelines. Disability and Rehabilitation, 2021, 43, 3432-3439. | 1.8 | 9 |
| 49 | How does cervical spinal cord injury impact the cardiopulmonary response to exercise?. Respiratory Physiology and Neurobiology, 2021, 293, 103714. | 1.6 | 9 |
| 50 | 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 |
| 51 | Left Ventricular Mechanics in Untrained and Trained Males with Tetraplegia. Journal of Neurotrauma, 2017, 34, 591-598. | 3.4 | 7 |
| 52 | Spinal Cord Disruption Is Associated with a Loss of Cushing-Like Blood Pressure Interactions. Journal of Neurotrauma, 2019, 36, 1487-1490. | 3.4 | 7 |
| 53 | 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 |
| 54 | 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 |

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| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | Exercise-induced diaphragm fatigue in a Paralympic champion rower with spinal cord injury. Journal of Applied Physiology, 2018, 124, 805-811. | 2.5 | 3 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | Influence of respiratory loading on leftâ€ventricular function in cervical spinal cord injury. Journal of Physiology, 0, , . | 2.9 | 2 |
| 68 | 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 |
| 69 | Respiratory System Responses to Exercise in Spinal Cord Injury. , 2016, , 51-75. | | 1 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

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|---|---|---|---|
| 73 | Orthostatic hypotension is associated with impaired cardiac structure and function after spinal cord injury. FASEB Journal, 2021, 35, . | 0.5 | 0 |
| 74 | 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 |
| 75 | Preserved Cardioâ€Inotropic Baroreflex Function Following Optimized Hemodynamic Management in Highâ€Thoracic Spinal Cord Injury. FASEB Journal, 2022, 36, . | 0.5 | 0 |