

# Christopher Connaboy

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102  
papers

504  
citations

11  
h-index

18  
g-index

129  
ext. papers

673  
ext. citations

2.1  
avg, IF

4.03  
L-index

#	Paper	IF	Citations
102	Finding a rhythm: Relating ultra-short-term heart rate variability measures in healthy young adults during rest, exercise, and recovery.. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2022</b> , 239, 102953	2.4	0
101	The Dynamic Exertion Test for Sport-Related Concussion: A Comparison of Athletes at Return-to-Play and Healthy Controls.. <i>International Journal of Sports Physiology and Performance</i> , <b>2022</b> , 1-10	3.5	
100	The effects of fatiguing exercise and load carriage on the perception and initiation of movement. <i>European Journal of Sport Science</i> , <b>2021</b> , 21, 36-44	3.9	3
99	Association of impulsivity, physical development, and mental health to perceptual-motor control after concussion in adolescents. <i>European Journal of Sport Science</i> , <b>2021</b> , 1-9	3.9	1
98	Neuromuscular Performance and Hormonal Responses to Military Operational Stress in Men and Women. <i>Journal of Strength and Conditioning Research</i> , <b>2021</b> , 35, 1296-1305	3.2	5
97	Differences in brain structure and theta burst stimulation-induced plasticity implicate the corticomotor system in loss of function after musculoskeletal injury. <i>Journal of Neurophysiology</i> , <b>2021</b> , 125, 1006-1021	3.2	1
96	Mental health, physical symptoms and biomarkers of stress during prolonged exposure to Antarctica's extreme environment. <i>Acta Astronautica</i> , <b>2021</b> , 181, 405-413	2.9	5
95	126 Exposure to simulated military operational stress decreases alertness in the morning but not the evening. <i>Sleep</i> , <b>2021</b> , 44, A51-A52	1.1	
94	Physical training considerations for optimizing performance in essential military tasks. <i>European Journal of Sport Science</i> , <b>2021</b> , 1-15	3.9	5
93	Reliability of corticospinal excitability estimates for the vastus lateralis: Practical considerations for lower limb TMS task selection. <i>Brain Research</i> , <b>2021</b> , 1761, 147395	3.7	0
92	The influence of a simulated game on muscular strength in female high-school and collegiate softball pitchers. <i>Sports Biomechanics</i> , <b>2021</b> , 1-9	2.2	
91	Loaded forced-marching shifts mechanical contributions proximally and disrupts stride-to-stride joint work modulation in recruit aged women. <i>Gait and Posture</i> , <b>2021</b> , 88, 22-27	2.6	0
90	Impact of simulated military operational stress on executive function relative to trait resilience, aerobic fitness, and neuroendocrine biomarkers. <i>Physiology and Behavior</i> , <b>2021</b> , 236, 113413	3.5	4
89	Does Concussion Affect Perception-Action Coupling Behavior? Action Boundary Perception as a Biomarker for Concussion. <i>Clinical Journal of Sport Medicine</i> , <b>2021</b> , 31, 273-280	3.2	14
88	The examination of mental toughness, sleep, mood and injury rates in an Arctic ultra-marathon. <i>European Journal of Sport Science</i> , <b>2021</b> , 21, 100-106	3.9	7
87	Overnight Sleep Parameter Increases in Frontoparietal Areas Predict Working Memory Improvements in Healthy Participants But Not in Individuals With Posttraumatic Stress Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2021</b> , 6, 1110-1117	3.4	1
86	Characterizing off-target corticospinal responses to double-cone transcranial magnetic stimulation. <i>Experimental Brain Research</i> , <b>2021</b> , 239, 1099-1110	2.3	0

85	Network Analysis of Research on Mild Traumatic Brain Injury in US Military Service Members and Veterans During the Past Decade (2010-2019). <i>Journal of Head Trauma Rehabilitation</i> , <b>2021</b> , 36, E345-E354	3.4	0
84	Higher Baseline Aerobic Fitness Influences Jumping Performance During Military Operational Stress. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 51-51	1.2	
83	Relationship Between Bone Mineral Density And Irisin, At Rest And In Response To Exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 115-115	1.2	
82	Increases in Load Carriage Magnitude and Forced Marching Change Lower-Extremity Coordination in Physically Active, Recruit-Aged Women. <i>Journal of Applied Biomechanics</i> , <b>2021</b> , 37, 343-350	1.2	0
81	Association Between DXA And HR-pQCT Measurements Of BMD In Active, Recruit-aged Men And Women. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 129-129	1.2	
80	Individuals with and without military-related PTSD differ in subjective sleepiness and alertness but not objective sleepiness. <i>Journal of Psychiatric Research</i> , <b>2021</b> , 141, 301-308	5.2	0
79	Differences in compound muscle activation patterns explain upper extremity bilateral deficits. <i>Human Movement Science</i> , <b>2021</b> , 79, 102851	2.4	
78	Using Machine Learning and Wearable Inertial Sensor Data for the Classification of Fractal Gait Patterns in Women and Men During Load Carriage. <i>Procedia Computer Science</i> , <b>2021</b> , 185, 282-291	1.6	2
77	The Bilateral Deficit Phenomenon in Elbow Flexion: Explanations for Its Inconsistent Occurrence and Detection.. <i>Perceptual and Motor Skills</i> , <b>2021</b> , 315125211060953	2.2	
76	Structural Connectome Disruptions in Military Personnel with Mild Traumatic Brain Injury and Post-Traumatic Stress Disorder. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 2102-2112	5.4	3
75	Utility of a novel perceptual-motor control test for identification of sport-related concussion beyond current clinical assessments. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 1799-1805	3.6	5
74	Inter-Segmental Coordination during a Unilateral 180° Jump in Elite Rugby Players: Implications for Prospective Identification of Injuries. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 427	2.6	2
73	Constitutive and Stress-Induced Psychomotor Cortical Responses to Compound K Supplementation. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 315	5.1	1
72	<b>2020,</b>		2
71	Compromised Dynamic Postural Stability Under Increased Load Carriage Magnitudes. <i>Journal of Applied Biomechanics</i> , <b>2020</b> , 1-6	1.2	4
70	Dynamic Exertion Testing (EXIT): A New Approach To Inform Return To Play Following Sport-related Concussion. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 310-310	1.2	
69	Compromised Perception-action Coupling Performance In Military Personnel May Be Related To Increased Deep Sleep. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 182-182	1.2	
68	Effects of Short-Term Unilateral Strength Training on Measures of Postural Control When Wearing "Operationally Relevant" Backpack Loads. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> , 34, 2743-2750	3.2	2

67	Corticomotor Network Activity Does Not Contribute To The Bilateral Deficit Phenomenon. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 945-945	1.2	
66	Foot Acceleration Attenuation Reduces During Military Load Carriage. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 183-183	1.2	
65	Load carriage magnitude and locomotion strategy alter knee total joint moment during bipedal ambulatory tasks in recruit-aged women. <i>Journal of Biomechanics</i> , <b>2020</b> , 105, 109772	2.9	8
64	Sleep deprivation impairs affordance perception behavior during an action boundary accuracy assessment. <i>Acta Astronautica</i> , <b>2020</b> , 166, 270-276	2.9	6
63	You Snooze, You Win? An Ecological Dynamics Framework Approach to Understanding the Relationships Between Sleep and Sensorimotor Performance in Sport. <i>Sleep Medicine Clinics</i> , <b>2020</b> , 15, 31-39	3.6	2
62	Load Magnitude and Locomotion Pattern Alter Locomotor System Function in Healthy Young Adult Women. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 582219	5.8	6
61	Differences in affordance-based behaviors within an isolated and confined environment are related to sleep, emotional health and physiological parameters. <i>Acta Astronautica</i> , <b>2020</b> , 176, 238-246	2.9	1
60	Cognitive performance during prolonged periods in isolated, confined, and extreme environments. <i>Acta Astronautica</i> , <b>2020</b> , 177, 545-551	2.9	3
59	Simulated Military Operational Stress Negatively Impacts Psychomotor Vigilance And Neurocognitive Biomarkers In Men And Women. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 306-306	1.2	
58	Altered Dynamic Postural Stability and Joint Position Sense Following British Army Foot-Drill. <i>Frontiers in Sports and Active Living</i> , <b>2020</b> , 2, 584275	2.3	
57	The Effects of British Army Footwear on Ground Reaction Force and Temporal Parameters of British Army Foot Drill. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> , 34, 754-762	3.2	3
56	Increased Risk of Musculoskeletal Injury Following Sport-Related Concussion: A Perception-Action Coupling Approach. <i>Sports Medicine</i> , <b>2020</b> , 50, 15-23	10.6	31
55	0184 Predicting Daytime Sleepiness from Nighttime Sleep in Veterans With and Without PTSD. <i>Sleep</i> , <b>2019</b> , 42, A75-A75	1.1	
54	Modest utility of brief oculomotor test for concussion screening in military mixed-martial arts training. <i>Brain Injury</i> , <b>2019</b> , 33, 1646-1651	2.1	2
53	Intersession Reliability and Within-Session Stability of a Novel Perception-Action Coupling Task. <i>Aerospace Medicine and Human Performance</i> , <b>2019</b> , 90, 77-83	1.1	10
52	Effects of Additional Load on the Occurrence of Bilateral Deficit in Counter-Movement and Squat Jumps. <i>Research Quarterly for Exercise and Sport</i> , <b>2019</b> , 90, 461-469	1.9	4
51	Bilateral Strength Asymmetries and Unilateral Strength Imbalance: Predicting Ankle Injury When Considered With Higher Body Mass in US Special Forces. <i>Journal of Athletic Training</i> , <b>2019</b> , 54, 497-504	4	5
50	Evaluation of Shoulder Strength and Kinematics as Risk Factors for Shoulder Injury in United States Special Forces Personnel. <i>Orthopaedic Journal of Sports Medicine</i> , <b>2019</b> , 7, 2325967119831272	3.5	1

49	Blinding success of sham-controlled motor cortex intermittent theta burst stimulation based on participant perceptions. <i>Brain Stimulation</i> , <b>2019</b> , 12, 1058-1060	5.1	5
48	Factor structure and validation of the mental health checklist (MHCL) for use in isolated, confined and extreme environments. <i>Acta Astronautica</i> , <b>2019</b> , 161, 405-414	2.9	7
47	Profiles of mood state fatigue scale is responsive to fatiguing protocol but shows no relationship to perceived or performance decrements. <i>Translational Sports Medicine</i> , <b>2019</b> , 2, 153-160	1.3	3
46	Action Boundary Perception Across 30 Days in an Isolated and Confined Environment. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 556-556	1.2	
45	Action Boundary Proximity Effects on Perceptual-Motor Judgments. <i>Aerospace Medicine and Human Performance</i> , <b>2019</b> , 90, 1000-1008	1.1	3
44	Reliability and Validity of a Pool-Based Maximal Oxygen Uptake Test to Examine High-Intensity Short-Duration Freestyle Swimming Performance. <i>Journal of Strength and Conditioning Research</i> , <b>2019</b> , 33, 1208-1215	3.2	3
43	Leveraging Machine Learning Techniques to Reveal Relationships between Neuromuscular Traits in Previously Concussed Warfighters. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 278-278	1.2	
42	Using Machine Learning to Predict Lower-Extremity Injury in US Special Forces. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 1073-1079	1.2	6
41	Shared Neuromuscular Performance Traits in Military Personnel with Prior Concussion. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 1619-1625	1.2	9
40	Bilateral Quadriceps Strength Asymmetry Is Associated With Previous Knee Injury in Military Special Tactics Operators. <i>Journal of Strength and Conditioning Research</i> , <b>2019</b> , 33, 89-94	3.2	8
39	The effect of the branched-chain amino acids on the in-vitro activity of bovine intestinal alkaline phosphatase. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2019</b> , 44, 632-636	3	1
38	Significantly Increased Odds of Reporting Previous Shoulder Injuries in Female Marines Based on Larger Magnitude Shoulder Rotator Bilateral Strength Differences. <i>Orthopaedic Journal of Sports Medicine</i> , <b>2018</b> , 6, 2325967118756283	3.5	5
37	Mechanical Limitations to Sprinting and Biomechanical Solutions: A Constraints-Led Framework for the Incorporation of Resistance Training to Develop Sprinting Speed. <i>Strength and Conditioning Journal</i> , <b>2018</b> , 40, 47-67	2	17
36	Emerging Concepts in Human Performance Optimization <b>2018</b> , 17-34		1
35	Improvement of Flutter-Kick Performance in Novice Surface Combat Swimmers With Increased Hip Strength. <i>International Journal of Sports Physiology and Performance</i> , <b>2018</b> , 1-8	3.5	3
34	Prevention of exertional lower body musculoskeletal injury in tactical populations: protocol for a systematic review and planned meta-analysis of prospective studies from 1955 to 2018. <i>Systematic Reviews</i> , <b>2018</b> , 7, 73	3	1
33	Energy expenditure and intake during Special Operations Forces field training in a jungle and glacial environment. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2018</b> , 43, 381-386	3	15
32	Effects Of Action Boundary Proximity On Perceptual-motor Judgements. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 330	1.2	

31	History of Ankle Sprains Related to Hindered Proprioception in College-Age Male Soccer Players. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 682	1.2	
30	Associations Between Land-Based Performance Assessments and Maximal Effort Combat Swim Force Production. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 524	1.2	
29	Epidemiology of musculoskeletal injuries among US Air Force Special Tactics Operators: an economic cost perspective. <i>BMJ Open Sport and Exercise Medicine</i> , <b>2018</b> , 4, e000471	3.4	12
28	Prediction of exertional lower extremity musculoskeletal injury in tactical populations: protocol for a systematic review and planned meta-analysis of prospective studies from 1955 to 2018. <i>Systematic Reviews</i> , <b>2018</b> , 7, 244	3	
27	Using Drop Jumps and Jump Squats to Assess Eccentric and Concentric Force-Velocity Characteristics. <i>Sports</i> , <b>2018</b> , 6,	3	1
26	Reliability and Validity of Swimming Flume Protocol to Measure Maximal Aerobic Power of Healthy Adults. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 526	1.2	
25	Physiological Responses to Swimming Pool and Swimming Flume Maximal Aerobic Power Protocols. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 526	1.2	
24	Assessing Plyometric Ability during Vertical Jumps Performed by Adults and Adolescents. <i>Sports</i> , <b>2018</b> , 6,	3	7
23	Physical Fitness Predictors of a Warrior Task Simulation Test. <i>Journal of Strength and Conditioning Research</i> , <b>2018</b> , 32, 2562-2568	3.2	8
22	Blood lactate thresholds and walking/running economy are determinants of backpack-running performance in trained soldiers. <i>Applied Ergonomics</i> , <b>2017</b> , 58, 566-572	4.2	11
21	Physical Fitness Predictors Of A Warrior Task Simulation Test. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 337	1.2	
20	A Comparison of Different Methods for Assessing Plyometric Ability During Jumps. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 378	1.2	
19	Validation of a 6-s Cycle Ergometry Sprint to Measure Peak Power in Recreationally Active Females. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 602	1.2	
18	Knee Isokinetic Strength And Fat Free Mass Correlate To Anaerobic Output Among Air Force Operators. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 966	1.2	
17	Association of prospective lower extremity musculoskeletal injury and musculoskeletal, balance, and physiological characteristics in Special Operations Forces. <i>Journal of Science and Medicine in Sport</i> , <b>2017</b> , 20 Suppl 4, S34-S39	4.4	13
16	The Influence Of The Number Of Jumps On Eccentric And Concentric Force-Velocity Characteristics. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 378	1.2	
15	Reliability and Validity of Swimming Pool Protocol to Measure Maximal Aerobic Power of Healthy Adults. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 150-151	1.2	
14	Reliability of the Kinetics of British Army Foot Drill in Untrained Personnel. <i>Journal of Strength and Conditioning Research</i> , <b>2017</b> , 31, 435-444	3.2	2

13	Associations between Land-Based Laboratory Measures and Freestyle Swimming Performance. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 152	1.2	
12	Gender Differences In Mean And Peak Swimming Force, Validity, Reliability, Of A Tethered Swimming Test. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 150	1.2	1
11	Gender Differences in Water-Based Aerobic Capacity During Freestyle Swimming to Exhaustion. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 149-150	1.2	
10	The key kinematic determinants of undulatory underwater swimming at maximal velocity. <i>Journal of Sports Sciences</i> , <b>2016</b> , 34, 1036-43	3.6	11
9	Reliability of 1RM Split-Squat Performance and the Efficacy of Assessing Both Bilateral Squat and Split-Squat 1RM in a Single Session for Non-Resistance-Trained Recreationally Active Men. <i>Journal of Strength and Conditioning Research</i> , <b>2015</b> , 29, 1991-8	3.2	7
8	Relationships between glide efficiency and swimmers size and shape characteristics. <i>Journal of Applied Biomechanics</i> , <b>2012</b> , 28, 400-11	1.2	6
7	Injury occurrence and mood states during a desert ultramarathon. <i>Clinical Journal of Sport Medicine</i> , <b>2012</b> , 22, 462-6	3.2	23
6	Three-dimensional analysis of intracycle velocity fluctuations in frontcrawl swimming. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2010</b> , 20, 128-35	4.6	35
5	Perceived exertion and heart rate models for estimating metabolic workload in elite British soldiers performing a backpack load-carriage task. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2010</b> , 35, 650-6	3	9
4	Measures of reliability in the kinematics of maximal undulatory underwater swimming. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 762-70	1.2	29
3	Hydrodynamics of undulatory underwater swimming: a review. <i>Sports Biomechanics</i> , <b>2009</b> , 8, 360-80	2.2	25
2	Intersession reliability of vertical jump height in women and men. <i>Journal of Strength and Conditioning Research</i> , <b>2008</b> , 22, 1779-84	3.2	66
1	Establishing and Applying Measurement Reliability in Perceptual-Motor Coordination Tasks. <i>Ecological Psychology</i> , 1-15	1.5	