Christopher Connaboy

List of Publications by Year
in descending order

128	808	623734	677142
papers	citations	14 h-index	22 g-index

129	129	129	870
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intersession Reliability of Vertical Jump Height in Women and Men. Journal of Strength and Conditioning Research, 2008, 22, 1779-1784.	2.1	80
2	Three-dimensional analysis of intracycle velocity fluctuations in frontcrawl swimming. Scandinavian Journal of Medicine and Science in Sports, 2010, 20, 128-135.	2.9	44
3	Increased Risk of Musculoskeletal Injury Following Sport-Related Concussion: A Perceptionâ€“Action Coupling Approach. Sports Medicine, 2020, 50, 15-23.	6.5	44
4	Measures of Reliability in the Kinematics of Maximal Undulatory Underwater Swimming. Medicine and Science in Sports and Exercise, 2010, 42, 762-770.	0.4	38
5	Hydrodynamics of undulatory underwater swimming: A review. Sports Biomechanics, 2009, 8, 360-380.	1.6	28
6	Injury Occurrence and Mood States During a Desert Ultramarathon. Clinical Journal of Sport Medicine, 2012, 22, 462-466.	1.8	26
7	Mechanical Limitations to Sprinting and Biomechanical Solutions: A Constraints-Led Framework for the Incorporation of Resistance Training to Develop Sprinting Speed. Strength and Conditioning Journal, 2018, 40, 47-67.	1.4	26
8	The key kinematic determinants of undulatory underwater swimming at maximal velocity. Journal of Sports Sciences, 2016, 34, 1036-1043.	2.0	22
9	Energy expenditure and intake during Special Operations Forces field training in a jungle and glacial environment. Applied Physiology, Nutrition and Metabolism, 2018, 43, 381-386.	1.9	21
10	Physical training considerations for optimizing performance in essential military tasks. European Journal of Sport Science, 2022, 22, 43-57.	2.7	20
11	Impact of simulated military operational stress on executive function relative to trait resilience, aerobic fitness, and neuroendocrine biomarkers. Physiology and Behavior, 2021, 236, 113413.	2.1	19
12	Association of prospective lower extremity musculoskeletal injury and musculoskeletal, balance, and physiological characteristics in Special Operations Forces. Journal of Science and Medicine in Sport, 2017, 20, S34-S39.	1.3	18
13	Epidemiology of musculoskeletal injuries among US Air Force Special Tactics Operators: an economic cost perspective. BMJ Open Sport and Exercise Medicine, 2018, 4, e000471.	2.9	17
14	Does Concussion Affect Perceptionâ€“Action Coupling Behavior? Action Boundary Perception as a Biomarker for Concussion. Clinical Journal of Sport Medicine, 2021, 31, 273-280.	1.8	17
15	The examination of mental toughness, sleep, mood and injury rates in an Arctic ultraâ€marathon. European Journal of Sport Science, 2021, 21, 100-106.	2.7	17
16	Blood lactate thresholds and walking/running economy are determinants of backpack-running performance in trained soldiers. Applied Ergonomics, 2017, 58, 566-572.	3.1	15
17	Using Machine Learning to Predict Lower-Extremity Injury in US Special Forces. Medicine and Science in Sports and Exercise, 2019, 51, 1073-1079.	0.4	15
18	Bilateral Quadriceps Strength Asymmetry Is Associated With Previous Knee Injury in Military Special Tactics Operators. Journal of Strength and Conditioning Research, 2019, 33, 89-94.	2.1	14

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19	Neuromuscular Performance and Hormonal Responses to Military Operational Stress in Men and Women. Journal of Strength and Conditioning Research, 2021, 35, 1296-1305.	2.1	14
20	Mental health, physical symptoms and biomarkers of stress during prolonged exposure to Antarctica's extreme environment. Acta Astronautica, 2021, 181, 405-413.	3.2	14
21	Physical Fitness Predictors of a Warrior Task Simulation Test. Journal of Strength and Conditioning Research, 2018, 32, 2562-2568.	2.1	13
22	Load Magnitude and Locomotion Pattern Alter Locomotor System Function in Healthy Young Adult Women. Frontiers in Bioengineering and Biotechnology, 2020, 8, 582219.	4.1	12
23	Cognitive performance during prolonged periods in isolated, confined, and extreme environments. Acta Astronautica, 2020, 177, 545-551.	3.2	12
24	Intersession Reliability and Within-Session Stability of a Novel Perception-Action Coupling Task. Aerospace Medicine and Human Performance, 2019, 90, 77-83.	0.4	11
25	Bilateral Strength Asymmetries and Unilateral Strength Imbalance: Predicting Ankle Injury When Considered With Higher Body Mass in US Special Forcesa. Journal of Athletic Training, 2019, 54, 497-504.	1.8	11
26	Shared Neuromuscular Performance Traits in Military Personnel with Prior Concussion. Medicine and Science in Sports and Exercise, 2019, 51, 1619-1625.	0.4	11
27	Structural Connectome Disruptions in Military Personnel with Mild Traumatic Brain Injury and Post-Traumatic Stress Disorder. Journal of Neurotrauma, 2020, 37, 2102-2112.	3.4	11
28	Load carriage magnitude and locomotion strategy alter knee total joint moment during bipedal ambulatory tasks in recruit-aged women. Journal of Biomechanics, 2020, 105, 109772.	2.1	11
29	Perceived exertion and heart rate models for estimating metabolic workload in elite British soldiers performing a backpack load-carriage task. Applied Physiology, Nutrition and Metabolism, 2010, 35, 650-656.	1.9	10
30	Assessing Plyometric Ability during Vertical Jumps Performed by Adults and Adolescents. Sports, 2018, 6, 132.	1.7	10
31	Factor structure and validation of the mental health checklist (MHCL) for use in isolated, confined and extreme environments. Acta Astronautica, 2019, 161, 405-414.	3.2	10
32	Relationships Between Glide Efficiency and Swimmersâ€™ Size and Shape Characteristics. Journal of Applied Biomechanics, 2012, 28, 400-411.	0.8	9
33	Utility of a novel perceptual-motor control test for identification of sport-related concussion beyond current clinical assessments. Journal of Sports Sciences, 2020, 38, 1799-1805.	2.0	9
34	Reliability of 1RM Split-Squat Performance and the Efficacy of Assessing Both Bilateral Squat and Split-Squat 1RM in a Single Session for Nonâ€“Resistance-Trained Recreationally Active Men. Journal of Strength and Conditioning Research, 2015, 29, 1991-1998.	2.1	8
35	Significantly Increased Odds of Reporting Previous Shoulder Injuries in Female Marines Based on Larger Magnitude Shoulder Rotator Bilateral Strength Differences. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711875628.	1.7	7
36	Using Drop Jumps and Jump Squats to Assess Eccentric and Concentric Force-Velocity Characteristics. Sports, 2018, 6, 125.	1.7	7

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37	Blinding success of sham-controlled motor cortex intermittent theta burst stimulation based on participant perceptions. Brain Stimulation, 2019, 12, 1058-1060.	1.6	7
38	Sleep deprivation impairs affordance perception behavior during an action boundary accuracy assessment. Acta Astronautica, 2020, 166, 270-276.	3.2	7
39	Network Analysis of Research on Mild Traumatic Brain Injury in US Military Service Members and Veterans During the Past Decade (2010-2019). Journal of Head Trauma Rehabilitation, 2021, 36, E345-E354.	1.7	7
40	Reliability of corticospinal excitability estimates for the vastus lateralis: Practical considerations for lower limb TMS task selection. Brain Research, 2021, 1761, 147395.	2.2	7
41	The Effects of British Army Footwear on Ground Reaction Force and Temporal Parameters of British Army Foot Drill. Journal of Strength and Conditioning Research, 2020, 34, 754-762.	2.1	6
42	Using Machine Learning and Wearable Inertial Sensor Data for the Classification of Fractal Gait Patterns in Women and Men During Load Carriage. Procedia Computer Science, 2021, 185, 282-291.	2.0	6
43	Improvement of Flutter-Kick Performance in Novice Surface Combat Swimmers With Increased Hip Strength. International Journal of Sports Physiology and Performance, 2018, 13, 1392-1399.	2.3	5
44	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. Systematic Reviews, 2018, 7, 73.	5.3	5
45	Effects of Additional Load on the Occurrence of Bilateral Deficit in Counter-Movement and Squat Jumps. Research Quarterly for Exercise and Sport, 2019, 90, 461-469.	1.4	5
46	Compromised Dynamic Postural Stability Under Increased Load Carriage Magnitudes. Journal of Applied Biomechanics, 2020, 36, 27-32.	0.8	5
47	Finding a rhythm: Relating ultra-short-term heart rate variability measures in healthy young adults during rest, exercise, and recovery. Autonomic Neuroscience: Basic and Clinical, 2022, 239, 102953.	2.8	5
48	Modest utility of brief oculomotor test for concussion screening in military mixed-martial arts training. Brain Injury, 2019, 33, 1646-1651.	1.2	4
49	Action Boundary Proximity Effects on Perceptual-Motor Judgments. Aerospace Medicine and Human Performance, 2019, 90, 1000-1008.	0.4	4
50	Differences in affordance-based behaviors within an isolated and confined environment are related to sleep, emotional health and physiological parameters. Acta Astronautica, 2020, 176, 238-246.	3.2	4
51	Loaded forced-marching shifts mechanical contributions proximally and disrupts stride-to-stride joint work modulation in recruit aged women. Gait and Posture, 2021, 88, 22-27.	1.4	4
52	Using Wavelet-based Fractal Analysis of Inertial Measurement Unit Signals to Examine Gait Data from Men and Women during a Load Carriage Task. , 2020, , .		4
53	The effects of fatiguing exercise and load carriage on the perception and initiation of movement. European Journal of Sport Science, 2021, 21, 36-44.	2.7	4
54	The Dynamic Exertion Test for Sport-Related Concussion: A Comparison of Athletes at Return-to-Play and Healthy Controls. International Journal of Sports Physiology and Performance, 2022, , 1-10.	2.3	4

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55	Reliability of the Kinetics of British Army Foot Drill in Untrained Personnel. Journal of Strength and Conditioning Research, 2017, 31, 435-444.	2.1	3
56	Profiles of mood state fatigue scale is responsive to fatiguing protocol but shows no relationship to perceived or performance decrements. Translational Sports Medicine, 2019, 2, 153-160.	1.1	3
57	Reliability and Validity of a Pool-Based Maximal Oxygen Uptake Test to Examine High-Intensity Short-Duration Freestyle Swimming Performance. Journal of Strength and Conditioning Research, 2019, 33, 1208-1215.	2.1	3
58	Inter-Segmental Coordination during a Unilateral 180Â° Jump in Elite Rugby Players: Implications for Prospective Identification of Injuries. Applied Sciences (Switzerland), 2020, 10, 427.	2.5	3
59	Increases in Load Carriage Magnitude and Forced Marching Change Lower-Extremity Coordination in Physically Active, Recruit-Aged Women. Journal of Applied Biomechanics, 2021, 37, 343-350.	0.8	3
60	The effect of the branched-chain amino acids on the in-vitro activity of bovine intestinal alkaline phosphatase. Applied Physiology, Nutrition and Metabolism, 2019, 44, 632-636.	1.9	2
61	You Snooze, You Win? An Ecological Dynamics Framework Approach to Understanding the Relationships Between Sleep and Sensorimotor Performance in Sport. Sleep Medicine Clinics, 2020, 15, 31-39.	2.6	2
62	Characterizing off-target corticospinal responses to double-cone transcranial magnetic stimulation. Experimental Brain Research, 2021, 239, 1099-1110.	1.5	2
63	Differences in brain structure and theta burst stimulation-induced plasticity implicate the corticomotor system in loss of function after musculoskeletal injury. Journal of Neurophysiology, 2021, 125, 1006-1021.	1.8	2
64	The influence of a simulated game on muscular strength in female high-school and collegiate softball pitchers. Sports Biomechanics, 2021, , 1-9.	1.6	2
65	A trait of mind: stability and robustness of sleep across sleep opportunity manipulations during simulated military operational stress. Sleep, 2022, 45, .	1.1	2
66	Network Analysis of Sport-related Concussion Research During the Past Decade (2010â€“2019). Journal of Athletic Training, 2020, , .	1.8	2
67	Effects of Short-Term Unilateral Strength Training on Measures of Postural Control When Wearing â€œOperationally Relevantâ€•Backpack Loads. Journal of Strength and Conditioning Research, 2020, 34, 2743-2750.	2.1	2
68	Association of impulsivity, physical development, and mental health to perceptualâ€•motor control after concussion in adolescents. European Journal of Sport Science, 2022, 22, 1889-1897.	2.7	2
69	Tethered Swimming Test. Medicine and Science in Sports and Exercise, 2016, 48, 439.	0.4	1
70	The Influence Of The Number Of Jumps On Eccentric And Concentric Force-Velocity Characteristics. Medicine and Science in Sports and Exercise, 2017, 49, 378.	0.4	1
71	Asymmetrical landing patterns combined with heavier body mass increases lower extremity injury risk in special operations forces. Journal of Science and Medicine in Sport, 2017, 20, S47.	1.3	1
72	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. Systematic Reviews, 2018, 7, 244.	5.3	1

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73	Evaluation of Shoulder Strength and Kinematics as Risk Factors for Shoulder Injury in United States Special Forces Personnel. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711983127.	1.7	1
74	Constitutive and Stress-Induced Psychomotor Cortical Responses to Compound K Supplementation. Frontiers in Neuroscience, 2020, 14, 315.	2.8	1
75	Overnight Sleep Parameter Increases in Frontoparietal Areas Predict Working Memory Improvements in Healthy Participants But Not in Individuals With Posttraumatic Stress Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 1110-1117.	1.5	1
76	Network Analysis of Sport-Related Concussion Research During the Past Decade (2010â€“2019). Journal of Athletic Training, 2021, 56, 396-403.	1.8	1
77	Individuals with and without military-related PTSD differ in subjective sleepiness and alertness but not objective sleepiness. Journal of Psychiatric Research, 2021, 141, 301-308.	3.1	1
78	Gender Differences In Mean And Peak Swimming Force, Validity, Reliability, Of A Tethered Swimming Test. Medicine and Science in Sports and Exercise, 2017, 49, 150.	0.4	1
79	A Comparison of Different Methods for Assessing Plyometric Ability During Jumps. Medicine and Science in Sports and Exercise, 2017, 49, 378.	0.4	0
80	Validation of a 6-s Cycle Ergometry Sprint to Measure Peak Power in Recreationally Active Females. Medicine and Science in Sports and Exercise, 2017, 49, 602.	0.4	0
81	Knee Isokinetic Strength And Fat Free Mass Correlate To Anaerobic Output Among Air Force Operators. Medicine and Science in Sports and Exercise, 2017, 49, 966.	0.4	0
82	Reliability and Validity of Swimming Pool Protocol to Measure Maximal Aerobic Power of Healthy Adults. Medicine and Science in Sports and Exercise, 2017, 49, 150-151.	0.4	0
83	Load carriage for the warfighter and tactical athlete: Strategies for load carriage optimization. Journal of Science and Medicine in Sport, 2017, 20, S4.	1.3	0
84	Musculoskeletal, balance, biomechanical, and physiological predictors of shoulder injury in Special Operations Forces. Journal of Science and Medicine in Sport, 2017, 20, S29-S30.	1.3	0
85	Changes in ankle proprioception and neuromuscular function following an acute bout of British Army foot drill: Implications of lower-limb musculoskeletal injury risk. Journal of Science and Medicine in Sport, 2017, 20, S69.	1.3	0
86	Associations between Land-Based Laboratory Measures and Freestyle Swimming Performance. Medicine and Science in Sports and Exercise, 2017, 49, 152.	0.4	0
87	Physical Fitness Predictors Of A Warrior Task Simulation Test. Medicine and Science in Sports and Exercise, 2017, 49, 337.	0.4	0
88	Effects Of Action Boundary Proximity On Perceptual-motor Judgements. Medicine and Science in Sports and Exercise, 2018, 50, 330.	0.4	0
89	History of Ankle Sprains Related to Hindered Proprioception in College-Age Male Soccer Players. Medicine and Science in Sports and Exercise, 2018, 50, 682.	0.4	0
90	Associations Between Land-Based Performance Assessments and Maximal Effort Combat Swim Force Production. Medicine and Science in Sports and Exercise, 2018, 50, 524.	0.4	0

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91	Reliability and Validity of Swimming Flume Protocol to Measure Maximal Aerobic Power of Healthy Adults. Medicine and Science in Sports and Exercise, 2018, 50, 526.	0.4	0
92	Physiological Responses to Swimming Pool and Swimming Flume Maximal Aerobic Power Protocols. Medicine and Science in Sports and Exercise, 2018, 50, 526.	0.4	0
93	0184 Predicting Daytime Sleepiness from Nighttime Sleep in Veterans With and Without PTSD. Sleep, 2019, 42, A75-A75.	1.1	0
94	Leveraging Machine Learning Techniques to Reveal Relationships between Neuromuscular Traits in Previously Concussed Warfighters. Medicine and Science in Sports and Exercise, 2019, 51, 278-278.	0.4	0
95	Altered Brain Morphology In Women With History Of ACL Rupture: A Structural MRI Study. Medicine and Science in Sports and Exercise, 2019, 51, 262-262.	0.4	0
96	A-15 Network Analysis Of Sport-Related Concussion Research During The Past Decade (2010â€“2019). Archives of Clinical Neuropsychology, 2020, 35, 611-611.	0.5	0
97	Simulated Military Operational Stress Negatively Impacts Psychomotor Vigilance And Neurocognitive Biomarkers In Men And Women. Medicine and Science in Sports and Exercise, 2020, 52, 306-306.	0.4	0
98	Differential Responses Of Resting Vs. Post-exertion Hormone Concentrations During Simulated Military Operational Stress. Medicine and Science in Sports and Exercise, 2020, 52, 1100-1100.	0.4	0
99	Altered Dynamic Postural Stability and Joint Position Sense Following British Army Foot-Drill. Frontiers in Sports and Active Living, 2020, 2, 584275.	1.8	0
100	126 Exposure to simulated military operational stress decreases alertness in the morning but not the evening. Sleep, 2021, 44, A51-A52.	1.1	0
101	Higher Baseline Aerobic Fitness Influences Jumping Performance During Military Operational Stress. Medicine and Science in Sports and Exercise, 2021, 53, 51-51.	0.4	0
102	Impact Of Simulated Operational Stress On Cognition Relative To Resilience, Fitness, Vigilance, And Neuroendocrine Biomarkers. Medicine and Science in Sports and Exercise, 2021, 53, 355-355.	0.4	0
103	Similar Corticospinal Excitability In Military Men And Women During Simulated Operational Stress. Medicine and Science in Sports and Exercise, 2021, 53, 334-334.	0.4	0
104	Role Of Age, Gender, And Bmi In Test-retest Performance On Dynamic Exertion Testing For Concussion. Medicine and Science in Sports and Exercise, 2021, 53, 381-381.	0.4	0
105	Impact Of Higher Aerobic Fitness On Neurocognitive Function During Simulated Military Operational Stress. Medicine and Science in Sports and Exercise, 2021, 53, 341-342.	0.4	0
106	Corticospinal Excitability And Resilience During Simulated Military Operational Stress. Medicine and Science in Sports and Exercise, 2021, 53, 336-336.	0.4	0
107	Relationship Between Bone Mineral Density And Irisin, At Rest And In Response To Exercise. Medicine and Science in Sports and Exercise, 2021, 53, 115-115.	0.4	0
108	Establishing and Applying Measurement Reliability in Perceptual-Motor Coordination Tasks. Ecological Psychology, 2021, 33, 297-311.	1.1	0

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109	Association Between DXA And HR-pQCT Measurements Of BMD In Active, Recruit-aged Men And Women. Medicine and Science in Sports and Exercise, 2021, 53, 129-129.	0.4	0
110	Differences in compound muscle activation patterns explain upper extremity bilateral deficits. Human Movement Science, 2021, 79, 102851.	1.4	0
111	The Effects Of Carrying A Simulated Rifle During A Backpack Load-carriage Task. Medicine and Science in Sports and Exercise, 2016, 48, 91.	0.4	0
112	Effects Of Additional Carried Load On Perception-action Coupling During A Discrete Horizontal Jump Task. Medicine and Science in Sports and Exercise, 2016, 48, 272.	0.4	0
113	Gender Differences in Water-Based Aerobic Capacity During Freestyle Swimming to Exhaustion. Medicine and Science in Sports and Exercise, 2017, 49, 149-150.	0.4	0
114	Action Boundary Perception Across 30 Days in an Isolated and Confined Environment. Medicine and Science in Sports and Exercise, 2019, 51, 556-556.	0.4	0
115	Cold temperature does not affect perceived exertion in males and females during submaximal cycling. International Journal of Sport Exercise and Health Research, 2020, 4, 31-36.	0.1	0
116	Corticomotor Network Activity Does Not Contribute To The Bilateral Deficit Phenomenon. Medicine and Science in Sports and Exercise, 2020, 52, 945-945.	0.4	0
117	Foot Acceleration Attenuation Reduces During Military Load Carriage. Medicine and Science in Sports and Exercise, 2020, 52, 183-183.	0.4	0
118	Impact Of Operational Stress On Motor Evoked Potentials In Military Personnel. Medicine and Science in Sports and Exercise, 2020, 52, 629-629.	0.4	0
119	Dynamic Exertion Testing (EXIT): A New Approach To Inform Return To Play Following Sport-related Concussion. Medicine and Science in Sports and Exercise, 2020, 52, 310-310.	0.4	0
120	Task-specificity Of Corticospinal Excitability: The Influence Of Contractile Properties. Medicine and Science in Sports and Exercise, 2020, 52, 623-624.	0.4	0
121	Compromised Perception-action Coupling Performance In Military Personnel May Be Related To Increased Deep Sleep. Medicine and Science in Sports and Exercise, 2020, 52, 182-182.	0.4	0
122	Medial Compartment Gap Is Decreased During Forced Marching And Running Load Carriage Tasks. Medicine and Science in Sports and Exercise, 2020, 52, 181-181.	0.4	0
123	Locomotion Pattern Alters Apparent Joint Stiffness During Unloaded And Loaded Bipedal Ambulatory Tasks In Women. Medicine and Science in Sports and Exercise, 2020, 52, 727-727.	0.4	0
124	Mapping the homunculus: agreement between fMRI and TMS-based motor cortex hand, trunk and leg representations. Brain Stimulation, 2021, 14, 1692-1693.	1.6	0
125	Use-dependent corticospinal excitability is associated with resilience and physical performance during simulated military operational stress. Journal of Applied Physiology, 2022, 132, 187-198.	2.5	0
126	Drive leg ground reaction forces and rate of force development over consecutive windmill softball pitches. Journal of Sports Medicine and Physical Fitness, 2021, , .	0.7	0

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127	The Role of Age, Sex, Body Mass Index, and Sport Type on the Dynamic Exertion Test in Healthy Athletes: A Cross-Sectional Study. Clinical Journal of Sport Medicine, 2022, Publish Ahead of Print, .	1.8	0
128	The Bilateral Deficit Phenomenon in Elbow Flexion: Explanations for Its Inconsistent Occurrence and Detection. Perceptual and Motor Skills, 2022, 129, 47-62.	1.3	0