James Bilzon

List of Publications by Year
in descending order

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112 papers	2,647 citations	147801 31 h-index	233421 45 g-index
115 all docs	115 docs citations	115 times ranked	2506 citing authors

#	Article	IF	Citations
1	The testâ€“retest reliability of the Military Physical Loading Questionnaire (MPLQ). BMJ Military Health, 2022, 168, 273-278.	0.9	3
2	Use of an isometric mid-thigh pull test during musculoskeletal rehabilitation: can the criterion values from the updated British Army physical employment standards be used to inform UK Defence Rehabilitation practice?. BMJ Military Health, 2022, 168, 279-285.	0.9	5
3	Predictors of military veteransâ€™ engagement in bespoke recovery pathways and health and well-being outcomes.. Rehabilitation Psychology, 2022, 67, 79-89.	1.3	1
4	Joint position statement of the International Federation of Sports Medicine (FIMS) and European Federation of Sports Medicine Associations (EFSMA) on the IOC framework on fairness, inclusion and non-discrimination based on gender identity and sex variations. BMJ Open Sport and Exercise Medicine, 2022, 8, e001273.	2.9	18
5	Applications and limitations of current markerless motion capture methods for clinical gait biomechanics. PeerJ, 2022, 10, e12995.	2.0	76
6	Prior arm crank exercise has no effect on postprandial lipaemia in non-disabled adults. Applied Physiology, Nutrition and Metabolism, 2022, , .	1.9	0
7	Reliability of three different methods for assessing amputee residuum shape and volume: 3D scanners vs. circumferential measurements. Prosthetics and Orthotics International, 2022, Publish Ahead of Print, .	1.0	1
8	Effect of a physical activity and behaviour maintenance programme on functional mobility decline in older adults: the REACT (Retirement in Action) randomised controlled trial. Lancet Public Health, The, 2022, 7, e316-e326.	10.0	26
9	Cost-effectiveness of a physical activity and behaviour maintenance programme on functional mobility decline in older adults: an economic evaluation of the REACT (Retirement in Action) trial. Lancet Public Health, The, 2022, 7, e327-e334.	10.0	10
10	Military veteran athletesâ€™ experiences of competing at the 2016 Invictus Games: a qualitative study. Disability and Rehabilitation, 2021, 43, 3552-3561.	1.8	10
11	Viability of high intensity interval training in persons with spinal cord injuryâ€”a perspective review. Spinal Cord, 2021, 59, 3-8.	1.9	10
12	Physiological responses to moderate intensity continuous and high-intensity interval exercise in persons with paraplegia. Spinal Cord, 2021, 59, 26-33.	1.9	11
13	Response to the United Nations Human Rights Councilâ€™s Report on Race and Gender Discrimination in Sport: An Expression of Concern and a Call to Prioritise Research. Sports Medicine, 2021, 51, 839-842.	6.5	8
14	Infographic. Clinical recommendations for return to play during the COVID-19 pandemic. British Journal of Sports Medicine, 2021, 55, 344-345.	6.7	14
15	A Single Bout of Upper-Body Exercise Has No Effect on Postprandial Metabolism in Persons with Chronic Paraplegia. Medicine and Science in Sports and Exercise, 2021, 53, 1041-1049.	0.4	5
16	Integrating Transwomen and Female Athletes with Differences of Sex Development (DSD) into Elite Competition: The FIMS 2021 Consensus Statement. Sports Medicine, 2021, 51, 1401-1415.	6.5	15
17	Effect of highâ€intensity interval training on cardiometabolic component risks in persons with paraplegia: Protocol for a randomized controlled trial. Experimental Physiology, 2021, 106, 1159-1165.	2.0	5
18	Neither Postabsorptive Resting Nor Postprandial Fat Oxidation Are Related to Peak Fat Oxidation in Men With Chronic Paraplegia. Frontiers in Nutrition, 2021, 8, 703652.	3.7	1

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19	Protecting olympic participants from COVID-19: the trialled and tested process. British Journal of Sports Medicine, 2021, 55, bjsports-2021-104669.	6.7	6
20	Effects of Exercise Mode on Postprandial Metabolism in Humans with Chronic Paraplegia. Medicine and Science in Sports and Exercise, 2021, 53, 1495-1504.	0.4	2
21	A cross-sectional comparison between cardiorespiratory fitness, level of lesion and red blood cell distribution width in adults with chronic spinal cord injury. Journal of Science and Medicine in Sport, 2020, 23, 106-111.	1.3	3
22	The interplay between psychological need satisfaction and psychological need frustration within a work context: A variable and person-oriented approach. Motivation and Emotion, 2020, 44, 175-189.	1.3	41
23	Smoking and Biochemical, Performance, and Muscle Adaptation to Military Training. Medicine and Science in Sports and Exercise, 2020, 52, 1201-1209.	0.4	4
24	Implementation of Physical Employment Standards for Physically Demanding Occupations. Journal of Occupational and Environmental Medicine, 2020, 62, 647-653.	1.7	6
25	Effect of carbohydrateâ€“protein supplementation on endurance training adaptations. European Journal of Applied Physiology, 2020, 120, 2273-2287.	2.5	2
26	Recommendations for return to sport during the SARS-CoV-2 pandemic. BMJ Open Sport and Exercise Medicine, 2020, 6, e000858.	2.9	28
27	A personalised prosthetic liner with embedded sensor technology: a case study. BioMedical Engineering OnLine, 2020, 19, 71.	2.7	16
28	Sport and exercise genomics: the FIMS 2019 consensus statement update. British Journal of Sports Medicine, 2020, 54, 969-975.	6.7	37
29	Effect of Exercise on Cardiometabolic Risk Factors in Adults With Chronic Spinal Cord Injury: A Systematic Review. Archives of Physical Medicine and Rehabilitation, 2020, 101, 2177-2205.	0.9	28
30	Influence Of Injury Severity And Recovery Environment On Physical Activity And Function Following Lower-limb Amputation. Medicine and Science in Sports and Exercise, 2020, 52, 675-675.	0.4	0
31	Influence of smoking status on acute biomarker responses to successive days of arduous military training. BMJ Military Health, 2020, , bmjmilitary-2020-001533.	0.9	0
32	Effects Of Different Forms Of Exercise On Metabolism Following Short-term Overfeeding And Reduced Physical Activity. Medicine and Science in Sports and Exercise, 2020, 52, 345-345.	0.4	0
33	Human Skeletal Muscle Mrna Expression In Response To Treadmill-based Endurance Training And Post-exercise Protein Supplementation. Medicine and Science in Sports and Exercise, 2020, 52, 109-109.	0.4	0
34	Influence Of Traumatic Lower-limb Amputation Severity On Biomarkers Of Cardiometabolic Health In British Military Personnel. Medicine and Science in Sports and Exercise, 2020, 52, 716-716.	0.4	0
35	Influence of upper-body continuous, resistance or high-intensity interval training (CRIT) on postprandial responses in persons with spinal cord injury: study protocol for a randomised controlled trial. Trials, 2019, 20, 497.	1.6	10
36	Time-related changes in quality of life in persons with lower limb amputation or spinal cord injury: protocol for a systematic review. Systematic Reviews, 2019, 8, 191.	5.3	14

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37	A Longitudinal Examination of Military Veteransâ€™ Invictus Games Stress Experiences. Frontiers in Psychology, 2019, 10, 1934.	2.1	13
38	Predicting ambulatory energy expenditure in lower limb amputees using multi-sensor methods. PLoS ONE, 2019, 14, e0209249.	2.5	9
39	Validity and Reliability of Firefighting Simulation Test Performance. Journal of Occupational and Environmental Medicine, 2019, 61, 479-483.	1.7	9
40	Virtualâ€reality exergaming improves performance during highâ€intensity interval training. European Journal of Sport Science, 2019, 19, 719-727.	2.7	58
41	Biomarkers of cardiometabolic health are associated with body composition characteristics but not physical activity in persons with spinal cord injury. Journal of Spinal Cord Medicine, 2019, 42, 328-337.	1.4	20
42	Effect of Exercise Mode and Intensity on Subsequent Postprandial Carbohydrate and Fat Metabolism in Persons with Spinal Cord Injury. Medicine and Science in Sports and Exercise, 2019, 51, 748-748.	0.4	0
43	Physical and Physiological Performance Determinants of a Firefighting Simulation Test. Journal of Occupational and Environmental Medicine, 2018, 60, 637-643.	1.7	25
44	The effect of altering loading distance on skeleton start performance: Is higher pre-load velocity always beneficial?. Journal of Sports Sciences, 2018, 36, 1930-1936.	2.0	5
45	Training-Related Changes in Forceâ€“Power Profiles: Implications for the Skeleton Start. International Journal of Sports Physiology and Performance, 2018, 13, 412-419.	2.3	9
46	Skeleton sled velocity profiles: a novel approach to understand critical aspects of the elite athletesâ€™ start phases. Sports Biomechanics, 2018, 17, 168-179.	1.6	5
47	Guideline Approaches for Cardioendocrine Disease Surveillance and Treatment Following Spinal Cord Injury. Current Physical Medicine and Rehabilitation Reports, 2018, 6, 264-276.	0.8	16
48	Lifestyle behaviours and perceived well-being in different fire service roles. Occupational Medicine, 2018, 68, 537-543.	1.4	4
49	Interactive Feedforward for Improving Performance and Maintaining Intrinsic Motivation in VR Exergaming. , 2018, , .		60
50	Home-Based Exercise Enhances Health-Related Quality of Life in Persons With Spinal Cord Injury: AÂRandomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2018, 99, 1998-2006.e1.	0.9	51
51	Exercise Guidelines to Promote Cardiometabolic Health in Spinal Cord Injured Humans: Time to Raise the Intensity?. Archives of Physical Medicine and Rehabilitation, 2017, 98, 1693-1704.	0.9	68
52	The Design and Manufacture of a Prototype Personalized Liner for Lower Limb Amputees. Procedia CIRP, 2017, 60, 476-481.	1.9	11
53	Physical Employment Standards for UK Firefighters. Journal of Occupational and Environmental Medicine, 2017, 59, 74-79.	1.7	35
54	Physical Predictors of Elite Skeleton Start Performance. International Journal of Sports Physiology and Performance, 2017, 12, 81-89.	2.3	15

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55	Upper-Body Exercise Improves Indices of Physical and Psychological Functioning in Persons With Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2017, 98, e18.	0.9	0
56	Impact of Exercise on Cardiometabolic Component Risks in Spinal Cordâ€“injured Humans. Medicine and Science in Sports and Exercise, 2017, 49, 2469-2477.	0.4	36
57	Measurement of Physical Activity and Energy Expenditure in Wheelchair Users: Methods, Considerations and Future Directions. Sports Medicine - Open, 2017, 3, 10.	3.1	49
58	Validity and reliability of a novel 3D scanner for assessment of the shape and volume of amputeesâ€™ residual limb models. PLoS ONE, 2017, 12, e0184498.	2.5	55
59	Energy balance components in persons with paraplegia: daily variation and appropriate measurement duration. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 132.	4.6	44
60	Impact of anatomical placement of an accelerometer on prediction of physical activity energy expenditure in lower-limb amputees. PLoS ONE, 2017, 12, e0185731.	2.5	14
61	Low fitness, low body mass and prior injury predict injury risk during military recruit training: a prospective cohort study in the British Army. BMJ Open Sport and Exercise Medicine, 2016, 2, e000100.	2.9	57
62	Influence of Immediate and Delayed Lower-Limb Amputation Compared with Lower-Limb Salvage on Functional and Mental Health Outcomes Post-Rehabilitation in the U.K. Military. Journal of Bone and Joint Surgery - Series A, 2016, 98, 1996-2005.	3.0	36
63	Detecting meaningful body composition changes in athletes using dual-energy x-ray absorptiometry. Physiological Measurement, 2016, 37, 596-609.	2.1	20
64	Cardiovascular Health Benefits of Exercise in People With Spinal Cord Injury: More Complex Than a Prescribed Exercise Intervention?. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1038.	0.9	6
65	The influence of a home-based exercise intervention on human health indices in individuals with chronic spinal cord injury (HOMEX-SCI): study protocol for a randomised controlled trial. Trials, 2016, 17, 284.	1.6	9
66	A Task Analysis Methodology for the Development of Minimum Physical Employment Standards. Journal of Occupational and Environmental Medicine, 2016, 58, 846-851.	1.7	12
67	Development of role-related minimum cardiorespiratory fitness standards for firefighters and commanders. Ergonomics, 2016, 59, 1335-1343.	2.1	33
68	Impact of Moderate-intensity Exercise on Metabolic Health and Aerobic Capacity in Persons with Chronic Paraplegia. Medicine and Science in Sports and Exercise, 2016, 48, 430.	0.4	9
69	Impact of Post-Exercise Protein Ingestion on Treadmill-Based Endurance Training Adaptation. Medicine and Science in Sports and Exercise, 2016, 48, 4-5.	0.4	0
70	Influence of Accelerometer Type and Placement on Physical Activity Energy Expenditure Prediction in Manual Wheelchair Users. PLoS ONE, 2015, 10, e0126086.	2.5	38
71	Two nights of sleep deprivation with or without energy restriction does not impair the thermal response to cold. European Journal of Applied Physiology, 2015, 115, 2059-2068.	2.5	9
72	Boxing injury epidemiology in the Great Britain team: a 5-year surveillance study of medically diagnosed injury incidence and outcome. British Journal of Sports Medicine, 2015, 49, 1100-1107.	6.7	41

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73	Functional and Mental Health Status of United Kingdom Military Amputees Postrehabilitation. Archives of Physical Medicine and Rehabilitation, 2015, 96, 2048-2054.	0.9	39
74	Fatigue Mechanisms During Repeated Exercise. Medicine and Science in Sports and Exercise, 2015, 47, 186.	0.4	0
75	Relationship Between the 2.4-km Run and Multistage Shuttle Run Test Performance in Military Personnel. Military Medicine, 2014, 179, 203-207.	0.8	11
76	Post-Exercise Protein Trial: Interactions between Diet and Exercise (PEPTIDE): study protocol for randomized controlled trial. Trials, 2014, 15, 459.	1.6	1
77	Can RSScan footscanÂ® D3Dâ„¢ software predict injury in a military population following plantar pressure assessment? A prospective cohort study. Foot, 2014, 24, 6-10.	1.1	21
78	Predicting Physical Activity Energy Expenditure in Manual Wheelchair Users. Medicine and Science in Sports and Exercise, 2014, 46, 1849-1858.	0.4	37
79	Development of an accelerometer-based multivariate model to predict free-living energy expenditure in a large military cohort. Journal of Sports Sciences, 2013, 31, 354-360.	2.0	19
80	Sport Injuries in Elite Paralympic Swimmers With Visual Impairment. Journal of Athletic Training, 2013, 48, 493-498.	1.8	34
81	The Effect of Anatomical Placement and Trunk Adiposity on the Reliability and Validity of Triaxial Accelerometer Output During Treadmill Exercise. Journal of Physical Activity and Health, 2013, 10, 1193-1200.	2.0	5
82	Sports Injuries in Paralympic Track and Field Athletes with Visual Impairment. Medicine and Science in Sports and Exercise, 2013, 45, 908-913.	0.4	34
83	Neuromuscular Impairment Following Backpack Load Carriage. Journal of Human Kinetics, 2013, 37, 91-98.	1.5	12
84	Comparison of the Physical Demands of Single-Sex Training for Male and Female Recruits in the British Army. Military Medicine, 2012, 177, 709-715.	0.8	28
85	Effects of Immediate Postexercise Carbohydrate Ingestion With and Without Protein on Neutrophil Degranulation. International Journal of Sport Nutrition and Exercise Metabolism, 2011, 21, 205-213.	2.1	30
86	Foot Orthoses in the Prevention of Injury in Initial Military Training. American Journal of Sports Medicine, 2011, 39, 30-37.	4.2	62
87	Neuromuscular Function Following Prolonged Load Carriage on Level and Downhill Gradients. Aviation, Space, and Environmental Medicine, 2010, 81, 745-753.	0.5	36
88	The effects of two nights of sleep deprivation with or without energy restriction on immune indices at rest and in response to cold exposure. European Journal of Applied Physiology, 2010, 109, 417-428.	2.5	26
89	Carbohydrate vs protein supplementation for recovery of neuromuscular function following prolonged load carriage. Journal of the International Society of Sports Nutrition, 2010, 7, 2.	3.9	27
90	Within-day and between-days reproducibility of isokinetic parameters of knee, trunk and shoulder movements. Isokinetics and Exercise Science, 2010, 18, 45-55.	0.4	14

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91	No effect of a 30-h period of sleep deprivation on leukocyte trafficking, neutrophil degranulation and saliva IgA responses to exercise. European Journal of Applied Physiology, 2009, 105, 499-504.	2.5	26
92	One night of sleep deprivation decreases treadmill endurance performance. European Journal of Applied Physiology, 2009, 107, 155-161.	2.5	147
93	Physiological Responses to Load Carriage During Level and Downhill Treadmill Walking. Medicina Sportiva, 2009, 13, 116-124.	0.3	27
94	Saliva indices track hypohydration during 48h of fluid restriction or combined fluid and energy restriction. Archives of Oral Biology, 2008, 53, 975-980.	1.8	39
95	An investigation of a novel three-dimensional activity monitor to predict free-living energy expenditure. Journal of Sports Sciences, 2008, 26, 553-561.	2.0	23
96	A physical demands analysis of the 24-week British Army Parachute Regiment recruit training syllabus. Ergonomics, 2008, 51, 649-662.	2.1	56
97	Neutrophil-Degranulation and Lymphocyte-Subset Response after 48 hr of Fluid and/or Energy Restriction. International Journal of Sport Nutrition and Exercise Metabolism, 2008, 18, 443-456.	2.1	6
98	Streaming by Sex in British Army Initial Training. Medicine and Science in Sports and Exercise, 2008, 40, S159-S160.	0.4	0
99	Risk Factors for Training Injuries among British Army Recruits. Military Medicine, 2008, 173, 278-286.	0.8	97
100	Influence Of Preconditioning On British Army Infantry Training Outcome. Medicine and Science in Sports and Exercise, 2008, 40, S238.	0.4	2
101	Endurance Running Performance after 48 h of Restricted Fluid and/or Energy Intake. Medicine and Science in Sports and Exercise, 2007, 39, 316-322.	0.4	32
102	Salivary immunoglobulin A response at rest and after exercise following a 48Âh period of fluid and/or energy restriction. British Journal of Nutrition, 2007, 97, 1109-1116.	2.3	43
103	Progression of the Physical Demands of a British Army Infantry Recruit Training Programme. Medicine and Science in Sports and Exercise, 2007, 39, S205-S206.	0.4	1
104	The Influence of an Arduous Military Training Program on Immune Function and Upper Respiratory Tract Infection Incidence. Military Medicine, 2006, 171, 703-709.	0.8	20
105	Establishing the Evidence Base. Medicine and Science in Sports and Exercise, 2006, 38, S271.	0.4	1
106	Gender Differences in the Physical Demands of British Army Officer Cadet Training. Medicine and Science in Sports and Exercise, 2006, 38, S273.	0.4	8
107	Determination of Energy Expenditure from Uniaxial and Triaxial Accelerometry during British Army Infantry Training. Medicine and Science in Sports and Exercise, 2006, 38, S273-S274.	0.4	0
108	Influences of body composition upon the relative metabolic and cardiovascular demands of load-carriage. Occupational Medicine, 2005, 55, 380-384.	1.4	75

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109	Saliva Parameters as Potential Indices of Hydration Status during Acute Dehydration. Medicine and Science in Sports and Exercise, 2004, 36, 1535-1542.	0.4	119
110	Characterization of the metabolic demands of simulated shipboard Royal Navy fire-fighting tasks. Ergonomics, 2001, 44, 766-780.	2.1	117
111	Assessment of physical fitness for occupations encompassing load-carriage tasks. Occupational Medicine, 2001, 51, 357-361.	1.4	61
112	Short-term recovery from prolonged constant pace running in a warm environment: the effectiveness of a carbohydrate-electrolyte solution. European Journal of Applied Physiology, 2000, 82, 305-312.	2.5	12