

James Bilzon

List of Publications by Year in descending order

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Version: 2024-02-01

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	One night of sleep deprivation decreases treadmill endurance performance. <i>European Journal of Applied Physiology</i> , 2009, 107, 155-161.	2.5	147
2	Saliva Parameters as Potential Indices of Hydration Status during Acute Dehydration. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1535-1542.	0.4	119
3	Characterization of the metabolic demands of simulated shipboard Royal Navy fire-fighting tasks. <i>Ergonomics</i> , 2001, 44, 766-780.	2.1	117
4	Risk Factors for Training Injuries among British Army Recruits. <i>Military Medicine</i> , 2008, 173, 278-286.	0.8	97
5	Applications and limitations of current markerless motion capture methods for clinical gait biomechanics. <i>PeerJ</i> , 2022, 10, e12995.	2.0	76
6	Influences of body composition upon the relative metabolic and cardiovascular demands of load-carriage. <i>Occupational Medicine</i> , 2005, 55, 380-384.	1.4	75
7	Exercise Guidelines to Promote Cardiometabolic Health in Spinal Cord Injured Humans: Time to Raise the Intensity?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 1693-1704.	0.9	68
8	Foot Orthoses in the Prevention of Injury in Initial Military Training. <i>American Journal of Sports Medicine</i> , 2011, 39, 30-37.	4.2	62
9	Assessment of physical fitness for occupations encompassing load-carriage tasks. <i>Occupational Medicine</i> , 2001, 51, 357-361.	1.4	61
10	Interactive Feedforward for Improving Performance and Maintaining Intrinsic Motivation in VR Exergaming. , 2018, , .		60
11	Virtual reality exergaming improves performance during high intensity interval training. <i>European Journal of Sport Science</i> , 2019, 19, 719-727.	2.7	58
12	Low fitness, low body mass and prior injury predict injury risk during military recruit training: a prospective cohort study in the British Army. <i>BMJ Open Sport and Exercise Medicine</i> , 2016, 2, e000100.	2.9	57
13	A physical demands analysis of the 24-week British Army Parachute Regiment recruit training syllabus. <i>Ergonomics</i> , 2008, 51, 649-662.	2.1	56
14	Validity and reliability of a novel 3D scanner for assessment of the shape and volume of amputees' residual limb models. <i>PLoS ONE</i> , 2017, 12, e0184498.	2.5	55
15	Home-Based Exercise Enhances Health-Related Quality of Life in Persons With Spinal Cord Injury: A Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 1998-2006.e1.	0.9	51
16	Measurement of Physical Activity and Energy Expenditure in Wheelchair Users: Methods, Considerations and Future Directions. <i>Sports Medicine - Open</i> , 2017, 3, 10.	3.1	49
17	Energy balance components in persons with paraplegia: daily variation and appropriate measurement duration. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 132.	4.6	44
18	Salivary immunoglobulin A response at rest and after exercise following a 48h period of fluid and/or energy restriction. <i>British Journal of Nutrition</i> , 2007, 97, 1109-1116.	2.3	43

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19	Boxing injury epidemiology in the Great Britain team: a 5-year surveillance study of medically diagnosed injury incidence and outcome. <i>British Journal of Sports Medicine</i> , 2015, 49, 1100-1107.	6.7	41
20	The interplay between psychological need satisfaction and psychological need frustration within a work context: A variable and person-oriented approach. <i>Motivation and Emotion</i> , 2020, 44, 175-189.	1.3	41
21	Saliva indices track hypohydration during 48h of fluid restriction or combined fluid and energy restriction. <i>Archives of Oral Biology</i> , 2008, 53, 975-980.	1.8	39
22	Functional and Mental Health Status of United Kingdom Military Amputees Postrehabilitation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 2048-2054.	0.9	39
23	Influence of Accelerometer Type and Placement on Physical Activity Energy Expenditure Prediction in Manual Wheelchair Users. <i>PLoS ONE</i> , 2015, 10, e0126086.	2.5	38
24	Predicting Physical Activity Energy Expenditure in Manual Wheelchair Users. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1849-1858.	0.4	37
25	Sport and exercise genomics: the FIMS 2019 consensus statement update. <i>British Journal of Sports Medicine</i> , 2020, 54, 969-975.	6.7	37
26	Neuromuscular Function Following Prolonged Load Carriage on Level and Downhill Gradients. <i>Aviation, Space, and Environmental Medicine</i> , 2010, 81, 745-753.	0.5	36
27	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. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1996-2005.	3.0	36
28	Impact of Exercise on Cardiometabolic Component Risks in Spinal Cord-injured Humans. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2469-2477.	0.4	36
29	Physical Employment Standards for UK Firefighters. <i>Journal of Occupational and Environmental Medicine</i> , 2017, 59, 74-79.	1.7	35
30	Sport Injuries in Elite Paralympic Swimmers With Visual Impairment. <i>Journal of Athletic Training</i> , 2013, 48, 493-498.	1.8	34
31	Sports Injuries in Paralympic Track and Field Athletes with Visual Impairment. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 908-913.	0.4	34
32	Development of role-related minimum cardiorespiratory fitness standards for firefighters and commanders. <i>Ergonomics</i> , 2016, 59, 1335-1343.	2.1	33
33	Endurance Running Performance after 48 h of Restricted Fluid and/or Energy Intake. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 316-322.	0.4	32
34	Effects of Immediate Postexercise Carbohydrate Ingestion With and Without Protein on Neutrophil Degranulation. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2011, 21, 205-213.	2.1	30
35	Comparison of the Physical Demands of Single-Sex Training for Male and Female Recruits in the British Army. <i>Military Medicine</i> , 2012, 177, 709-715.	0.8	28
36	Recommendations for return to sport during the SARS-CoV-2 pandemic. <i>BMJ Open Sport and Exercise Medicine</i> , 2020, 6, e000858.	2.9	28

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37	Effect of Exercise on Cardiometabolic Risk Factors in Adults With Chronic Spinal Cord Injury: A Systematic Review. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 2177-2205.	0.9	28
38	Carbohydrate vs protein supplementation for recovery of neuromuscular function following prolonged load carriage. <i>Journal of the International Society of Sports Nutrition</i> , 2010, 7, 2.	3.9	27
39	Physiological Responses to Load Carriage During Level and Downhill Treadmill Walking. <i>Medicina Sportiva</i> , 2009, 13, 116-124.	0.3	27
40	No effect of a 30-h period of sleep deprivation on leukocyte trafficking, neutrophil degranulation and saliva IgA responses to exercise. <i>European Journal of Applied Physiology</i> , 2009, 105, 499-504.	2.5	26
41	The effects of two nights of sleep deprivation with or without energy restriction on immune indices at rest and in response to cold exposure. <i>European Journal of Applied Physiology</i> , 2010, 109, 417-428.	2.5	26
42	Effect of a physical activity and behaviour maintenance programme on functional mobility decline in older adults: the REACT (Retirement in Action) randomised controlled trial. <i>Lancet Public Health</i> , The, 2022, 7, e316-e326.	10.0	26
43	Physical and Physiological Performance Determinants of a Firefighting Simulation Test. <i>Journal of Occupational and Environmental Medicine</i> , 2018, 60, 637-643.	1.7	25
44	An investigation of a novel three-dimensional activity monitor to predict free-living energy expenditure. <i>Journal of Sports Sciences</i> , 2008, 26, 553-561.	2.0	23
45	Can RSScan footscan® D3D software predict injury in a military population following plantar pressure assessment? A prospective cohort study. <i>Foot</i> , 2014, 24, 6-10.	1.1	21
46	The Influence of an Arduous Military Training Program on Immune Function and Upper Respiratory Tract Infection Incidence. <i>Military Medicine</i> , 2006, 171, 703-709.	0.8	20
47	Detecting meaningful body composition changes in athletes using dual-energy x-ray absorptiometry. <i>Physiological Measurement</i> , 2016, 37, 596-609.	2.1	20
48	Biomarkers of cardiometabolic health are associated with body composition characteristics but not physical activity in persons with spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 328-337.	1.4	20
49	Development of an accelerometer-based multivariate model to predict free-living energy expenditure in a large military cohort. <i>Journal of Sports Sciences</i> , 2013, 31, 354-360.	2.0	19
50	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. <i>BMJ Open Sport and Exercise Medicine</i> , 2022, 8, e001273.	2.9	18
51	Guideline Approaches for Cardioendocrine Disease Surveillance and Treatment Following Spinal Cord Injury. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2018, 6, 264-276.	0.8	16
52	A personalised prosthetic liner with embedded sensor technology: a case study. <i>BioMedical Engineering OnLine</i> , 2020, 19, 71.	2.7	16
53	Physical Predictors of Elite Skeleton Start Performance. <i>International Journal of Sports Physiology and Performance</i> , 2017, 12, 81-89.	2.3	15
54	Integrating Transwomen and Female Athletes with Differences of Sex Development (DSD) into Elite Competition: The FIMS 2021 Consensus Statement. <i>Sports Medicine</i> , 2021, 51, 1401-1415.	6.5	15

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55	Within-day and between-days reproducibility of isokinetic parameters of knee, trunk and shoulder movements. <i>Isokinetics and Exercise Science</i> , 2010, 18, 45-55.	0.4	14
56	Time-related changes in quality of life in persons with lower limb amputation or spinal cord injury: protocol for a systematic review. <i>Systematic Reviews</i> , 2019, 8, 191.	5.3	14
57	Infographic. Clinical recommendations for return to play during the COVID-19 pandemic. <i>British Journal of Sports Medicine</i> , 2021, 55, 344-345.	6.7	14
58	Impact of anatomical placement of an accelerometer on prediction of physical activity energy expenditure in lower-limb amputees. <i>PLoS ONE</i> , 2017, 12, e0185731.	2.5	14
59	A Longitudinal Examination of Military Veteransâ€™ Invictus Games Stress Experiences. <i>Frontiers in Psychology</i> , 2019, 10, 1934.	2.1	13
60	Short-term recovery from prolonged constant pace running in a warm environment: the effectiveness of a carbohydrate-electrolyte solution. <i>European Journal of Applied Physiology</i> , 2000, 82, 305-312.	2.5	12
61	Neuromuscular Impairment Following Backpack Load Carriage. <i>Journal of Human Kinetics</i> , 2013, 37, 91-98.	1.5	12
62	A Task Analysis Methodology for the Development of Minimum Physical Employment Standards. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, 846-851.	1.7	12
63	Relationship Between the 2.4-km Run and Multistage Shuttle Run Test Performance in Military Personnel. <i>Military Medicine</i> , 2014, 179, 203-207.	0.8	11
64	The Design and Manufacture of a Prototype Personalized Liner for Lower Limb Amputees. <i>Procedia CIRP</i> , 2017, 60, 476-481.	1.9	11
65	Physiological responses to moderate intensity continuous and high-intensity interval exercise in persons with paraplegia. <i>Spinal Cord</i> , 2021, 59, 26-33.	1.9	11
66	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. <i>Trials</i> , 2019, 20, 497.	1.6	10
67	Military veteran athletesâ€™ experiences of competing at the 2016 Invictus Games: a qualitative study. <i>Disability and Rehabilitation</i> , 2021, 43, 3552-3561.	1.8	10
68	Viability of high intensity interval training in persons with spinal cord injuryâ€”a perspective review. <i>Spinal Cord</i> , 2021, 59, 3-8.	1.9	10
69	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. <i>Lancet Public Health</i> , The, 2022, 7, e327-e334.	10.0	10
70	Two nights of sleep deprivation with or without energy restriction does not impair the thermal response to cold. <i>European Journal of Applied Physiology</i> , 2015, 115, 2059-2068.	2.5	9
71	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. <i>Trials</i> , 2016, 17, 284.	1.6	9
72	Training-Related Changes in Forceâ€”Power Profiles: Implications for the Skeleton Start. <i>International Journal of Sports Physiology and Performance</i> , 2018, 13, 412-419.	2.3	9

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73	Predicting ambulatory energy expenditure in lower limb amputees using multi-sensor methods. PLoS ONE, 2019, 14, e0209249.	2.5	9
74	Validity and Reliability of Firefighting Simulation Test Performance. Journal of Occupational and Environmental Medicine, 2019, 61, 479-483.	1.7	9
75	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
76	Response to the United Nations Human Rights Council'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
77	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
78	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
79	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
80	Implementation of Physical Employment Standards for Physically Demanding Occupations. Journal of Occupational and Environmental Medicine, 2020, 62, 647-653.	1.7	6
81	Protecting olympic participants from COVID-19: the trialled and tested process. British Journal of Sports Medicine, 2021, 55, bjsports-2021-104669.	6.7	6
82	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
83	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
84	Skeleton sled velocity profiles: a novel approach to understand critical aspects of the elite athletes' start phases. Sports Biomechanics, 2018, 17, 168-179.	1.6	5
85	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
86	Effect of high-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
87	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
88	Lifestyle behaviours and perceived well-being in different fire service roles. Occupational Medicine, 2018, 68, 537-543.	1.4	4
89	Smoking and Biochemical, Performance, and Muscle Adaptation to Military Training. Medicine and Science in Sports and Exercise, 2020, 52, 1201-1209.	0.4	4
90	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

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91	The testâ€“retest reliability of the Military Physical Loading Questionnaire (MPLQ). <i>BMJ Military Health</i> , 2022, 168, 273-278.	0.9	3
92	Effect of carbohydrateâ€“protein supplementation on endurance training adaptations. <i>European Journal of Applied Physiology</i> , 2020, 120, 2273-2287.	2.5	2
93	Effects of Exercise Mode on Postprandial Metabolism in Humans with Chronic Paraplegia. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1495-1504.	0.4	2
94	Influence Of Preconditioning On British Army Infantry Training Outcome. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S238.	0.4	2
95	Post-Exercise Protein Trial: Interactions between Diet and Exercise (PEPTIDE): study protocol for randomized controlled trial. <i>Trials</i> , 2014, 15, 459.	1.6	1
96	Neither Postabsorptive Resting Nor Postprandial Fat Oxidation Are Related to Peak Fat Oxidation in Men With Chronic Paraplegia. <i>Frontiers in Nutrition</i> , 2021, 8, 703652.	3.7	1
97	Establishing the Evidence Base. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S271.	0.4	1
98	Progression of the Physical Demands of a British Army Infantry Recruit Training Programme. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S205-S206.	0.4	1
99	Predictors of military veteransâ€™ engagement in bespoke recovery pathways and health and well-being outcomes.. <i>Rehabilitation Psychology</i> , 2022, 67, 79-89.	1.3	1
100	Reliability of three different methods for assessing amputee residuum shape and volume: 3D scanners vs. circumferential measurements. <i>Prosthetics and Orthotics International</i> , 2022, Publish Ahead of Print, .	1.0	1
101	Streaming by Sex in British Army Initial Training. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S159-S160.	0.4	0
102	Upper-Body Exercise Improves Indices of Physical and Psychological Functioning in Persons With Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, e18.	0.9	0
103	Determination of Energy Expenditure from Uniaxial and Triaxial Accelerometry during British Army Infantry Training. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S273-S274.	0.4	0
104	Fatigue Mechanisms During Repeated Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 186.	0.4	0
105	Impact of Post-Exercise Protein Ingestion on Treadmill-Based Endurance Training Adaptation. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 4-5.	0.4	0
106	Effect of Exercise Mode and Intensity on Subsequent Postprandial Carbohydrate and Fat Metabolism in Persons with Spinal Cord Injury. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 748-748.	0.4	0
107	Influence Of Injury Severity And Recovery Environment On Physical Activity And Function Following Lower-limb Amputation. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 675-675.	0.4	0
108	Influence of smoking status on acute biomarker responses to successive days of arduous military training. <i>BMJ Military Health</i> , 2020, , bmjmilitary-2020-001533.	0.9	0

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109	Effects Of Different Forms Of Exercise On Metabolism Following Short-term Overfeeding And Reduced Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 345-345.	0.4	0
110	Human Skeletal Muscle Mrna Expression In Response To Treadmill-based Endurance Training And Post-exercise Protein Supplementation. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 109-109.	0.4	0
111	Influence Of Traumatic Lower-limb Amputation Severity On Biomarkers Of Cardiometabolic Health In British Military Personnel. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 716-716.	0.4	0
112	Prior arm crank exercise has no effect on postprandial lipaemia in non-disabled adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, , .	1.9	0