

Brendan J Burkett

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,253
citations

201385

27
h-index

288905

40
g-index

106
all docs

106
docs citations

106
times ranked

2266
citing authors

#	ARTICLE	IF	CITATIONS
1	The Upper Limb Functional Index: Development and Determination of Reliability, Validity, and Responsiveness. <i>Journal of Hand Therapy</i> , 2006, 19, 328-349.	0.7	116
2	The use of a single inertial sensor to identify stride, step, and stance durations of running gait. <i>Journal of Science and Medicine in Sport</i> , 2010, 13, 270-273.	0.6	109
3	Technology in Paralympic sport: performance enhancement or essential for performance?. <i>British Journal of Sports Medicine</i> , 2010, 44, 215-220.	3.1	83
4	A modified QuickDASH-9 provides a valid outcome instrument for upper limb function. <i>BMC Musculoskeletal Disorders</i> , 2009, 10, 161.	0.8	76
5	Variability and progression in competitive performance of Paralympic swimmers. <i>Journal of Sports Sciences</i> , 2009, 27, 535-539.	1.0	61
6	Tracking of wheelchair rugby players in the 2008 Demolition Derby final. <i>Journal of Sports Sciences</i> , 2010, 28, 193-200.	1.0	60
7	Six Weeks of Unsupervised Nintendo Wii Fit Gaming Is Effective at Improving Balance in Independent Older Adults. <i>Journal of Aging and Physical Activity</i> , 2015, 23, 153-158.	0.5	58
8	Modification of the Upper Limb Functional Index to a Three-point Response Improves Clinimetric Properties. <i>Journal of Hand Therapy</i> , 2010, 23, 41-52.	0.7	53
9	Lower Limb Functional Index: Development and Clinimetric Properties. <i>Physical Therapy</i> , 2012, 92, 98-110.	1.1	53
10	Shifting boundaries in sports technology and disability: equal rights or unfair advantage in the case of Oscar Pistorius?. <i>Disability and Society</i> , 2011, 26, 643-654.	1.4	50
11	Identifying symmetry in running gait using a single inertial sensor. <i>Journal of Science and Medicine in Sport</i> , 2010, 13, 559-563.	0.6	47
12	The relationship between joint range of motion, muscular strength, and race time for sub-elite flat water kayakers. <i>Journal of Science and Medicine in Sport</i> , 2010, 13, 537-542.	0.6	44
13	Predictive ability of a modified Å–rebro Musculoskeletal Pain Questionnaire in an acute/subacute low back pain working population. <i>European Spine Journal</i> , 2011, 20, 449-457.	1.0	44
14	The Lumbar and Sacrum Movement Pattern During the Back Squat Exercise. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 2731-2741.	1.0	43
15	An integrated swimming monitoring system for the biomechanical analysis of swimming strokes. <i>Sports Technology</i> , 2011, 4, 141-150.	0.4	43
16	Validity and reliability of kick count and rate in freestyle using inertial sensor technology. <i>Journal of Sports Sciences</i> , 2009, 27, 1051-1058.	1.0	39
17	The Influence of Upper-Body Strength on Flat-Water Sprint Kayak Performance in Elite Athletes. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 707-714.	1.1	38
18	The force–time profile of elite front crawl swimmers. <i>Journal of Sports Sciences</i> , 2011, 29, 811-819.	1.0	35

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19	London 2012 Paralympic swimming: passive drag and the classification system. <i>British Journal of Sports Medicine</i> , 2013, 47, 838-843.	3.1	34
20	Quantifying the Movement and the Influence of Load in the Back Squat Exercise. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 1671-1679.	1.0	33
21	Detection of Illegal Race Walking: A Tool to Assist Coaching and Judging. <i>Sensors</i> , 2013, 13, 16065-16074.	2.1	33
22	The Influence of Swimming Start Components for Selected Olympic and Paralympic Swimmers. <i>Journal of Applied Biomechanics</i> , 2010, 26, 134-141.	0.3	31
23	The Å–rebro Musculoskeletal Screening Questionnaire: Validation of a modified primary care musculoskeletal screening tool in an acute work injured population. <i>Manual Therapy</i> , 2012, 17, 554-565.	1.6	31
24	Performance Characteristics of Para Swimmers. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2018, 29, 333-346.	0.7	31
25	The exercise profile of an ultra-long handcycling race: the StykkeprÅ–ven experience. <i>Spinal Cord</i> , 2010, 48, 894-898.	0.9	30
26	Effect of Chronic Training on Heart Rate Variability, Salivary IgA and Salivary Alpha-Amylase in Elite Swimmers with a Disability. <i>PLoS ONE</i> , 2015, 10, e0127749.	1.1	30
27	Cost-effectiveness of bone-anchored prostheses using osseointegrated fixation. <i>Prosthetics and Orthotics International</i> , 2018, 42, 318-327.	0.5	29
28	Musculoskeletal screening to detect asymmetry in swimming. <i>Physical Therapy in Sport</i> , 2014, 15, 33-38.	0.8	28
29	Training Characteristics of Paralympic Swimmers. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 471-478.	1.0	25
30	Towards determining absolute velocity of freestyle swimming using 3-axis accelerometers. <i>Procedia Engineering</i> , 2011, 13, 120-125.	1.2	25
31	Paralympic Sports Medicineâ€™ Current Evidence in Winter Sport. <i>Clinical Journal of Sport Medicine</i> , 2012, 22, 46-50.	0.9	25
32	Massage therapy as an effective treatment for carpal tunnel syndrome. <i>Journal of Bodywork and Movement Therapies</i> , 2013, 17, 332-338.	0.5	25
33	Low-load high-repetition resistance training improves strength and gait speed in middle-aged and older adults. <i>Journal of Science and Medicine in Sport</i> , 2015, 18, 596-600.	0.6	25
34	Classifying motor coordination impairment in Para swimmers with brain injury. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 526-531.	0.6	25
35	Inertial sensor, 3D and 2D assessment of stroke phases in freestyle swimming. <i>Procedia Engineering</i> , 2011, 13, 148-153.	1.2	23
36	The shortened Å–rebro Musculoskeletal Screening Questionnaire: Evaluation in a work-injured population. <i>Manual Therapy</i> , 2013, 18, 378-385.	1.6	23

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37	Comparative Analysis of Active Drag Using the MAD System and an Assisted Towing Method in Front Crawl Swimming. <i>Journal of Applied Biomechanics</i> , 2012, 28, 746-750.	0.3	22
38	Do the Nutrition Qualifications and Professional Practices of Registered Exercise Professionals Align?. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 154-162.	1.0	22
39	Low-Load Very High-Repetition Resistance Training Attenuates Bone Loss at the Lumbar Spine in Active Post-menopausal Women. <i>Calcified Tissue International</i> , 2015, 96, 490-499.	1.5	22
40	Effectiveness of a Dry-Land Resistance Training Program on Strength, Power, and Swimming Performance in Paralympic Swimmers. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 619-626.	1.0	22
41	Can long-term impairment in general practitioner whiplash patients be predicted using screening and patient-reported outcomes?. <i>International Journal of Rehabilitation Research</i> , 2008, 31, 79-80.	0.7	21
42	Quantifying freestyle kick-count and kick-rate patterns in Paralympic swimming. <i>Journal of Sports Sciences</i> , 2009, 27, 1455-1461.	1.0	21
43	The influence of dive direction on the movement characteristics for elite football goalkeepers. <i>Sports Biomechanics</i> , 2009, 8, 235-244.	0.8	21
44	Confirmatory factor analysis of the Neck Disability Index in a general problematic neck population indicates a one-factor model. <i>Spine Journal</i> , 2014, 14, 1410-1416.	0.6	21
45	Cost Comparison of Socket-Suspended and Bone-Anchored Transfemoral Protheses. <i>Journal of Prosthetics and Orthotics</i> , 2017, 29, 150-160.	0.2	21
46	The Spine Functional Index: development and clinimetric validation of a new whole-spine functional outcome measure. <i>Spine Journal</i> , 2019, 19, e19-e27.	0.6	21
47	A battery of strength tests for evidence-based classification in Para swimming. <i>Journal of Sports Sciences</i> , 2019, 37, 404-413.	1.0	20
48	A systematic review on research into the effectiveness of group-based sport and exercise programs designed for Indigenous adults. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 726-732.	0.6	19
49	Sport Science and Coaching in Paralympic Swimming. <i>International Journal of Sports Science and Coaching</i> , 2008, 3, 105-112.	0.7	18
50	Neuromuscular and Perceptual Fatigue Responses to Consecutive Tag Football Matches. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 559-565.	1.1	18
51	Establishing the reliability of a novel battery of range of motion tests to enable evidence-based classification in Para Swimming. <i>Physical Therapy in Sport</i> , 2018, 32, 34-41.	0.8	18
52	Active Drag as a Criterion for Evidence-based Classification in Para Swimming. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1576-1584.	0.2	17
53	An unobtrusive swimming monitoring system for recreational and elite performance monitoring. <i>Procedia Engineering</i> , 2011, 13, 113-119.	1.2	16
54	Optimizing kick rate and amplitude for Paralympic swimmers via net force measures. <i>Journal of Sports Sciences</i> , 2011, 29, 381-387.	1.0	16

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55	Activity Profiles and Physiological Responses of Representative Tag Football Players in Relation to Playing Position and Physical Fitness. PLoS ONE, 2015, 10, e0144554.	1.1	16
56	Quantifying kinematic differences between land and water during squats, split squats, and single-leg squats in a healthy population. PLoS ONE, 2017, 12, e0182320.	1.1	15
57	Determining Maximum Push-off Velocity in Swimming Using Accelerometers. Procedia Engineering, 2013, 60, 201-207.	1.2	14
58	Twelve weeks of BodyBalance® training improved balance and functional task performance in middle-aged and older adults. Clinical Interventions in Aging, 2014, 9, 1895.	1.3	14
59	Direct skeletal attachment prosthesis for the amputee athlete: the unknown potential. Sports Engineering, 2016, 19, 141-145.	0.5	14
60	Match demands of professional rugby football codes: A review from 2008 to 2015. International Journal of Sports Science and Coaching, 2016, 11, 451-463.	0.7	14
61	Modelling the ageérelated trajectory of performance in Para swimmers with physical, vision and intellectual impairment. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 925-935.	1.3	14
62	Relationships Between Propulsion and Anthropometry in Paralympic Swimmers. International Journal of Sports Physiology and Performance, 2015, 10, 978-985.	1.1	13
63	Front-crawl stroke-coordination and symmetry: A comparison between timing and net drag force protocols. Journal of Sports Sciences, 2013, 31, 759-766.	1.0	12
64	Phases of the Swim-start in Paralympic Swimmers Are Influenced by Severity and Type of Disability. Journal of Applied Biomechanics, 2014, 30, 643-648.	0.3	12
65	The influence of âSlackliningâ™ on quadriceps rehabilitation, activation and intensity. Journal of Science and Medicine in Sport, 2015, 18, 62-66.	0.6	11
66	Balancing fidelity and practicality in short version musculoskeletal patient reported outcome measures. Physical Therapy Reviews, 2009, 14, 221-225.	0.3	10
67	Quantifying stroke coordination during the breathing action in front-crawl swimming using an instantaneous net drag force profile. Journal of Sports Sciences, 2014, 32, 1729-1737.	1.0	10
68	The impact of the environment on elite wheelchair basketball athletes: a cross-case comparison. Qualitative Research in Sport, Exercise and Health, 2017, 9, 485-498.	3.3	10
69	The Impact of an Assistive Pole, Seat Configuration, and Strength in Paralympic Seated Throwing. International Journal of Sports Physiology and Performance, 2017, 12, 977-983.	1.1	10
70	Electromyographic responses during time get up and go test in water (wTUG). SpringerPlus, 2013, 2, 217.	1.2	9
71	Effect of Three Different Grip Angles on Physiological Parameters During Laboratory Handcycling Test in Able-Bodied Participants. Frontiers in Physiology, 2015, 6, 331.	1.3	9
72	Overhead shoulder press â In-front of the head or behind the head?. Journal of Sport and Health Science, 2015, 4, 250-257.	3.3	9

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73	What throwing frame configuration should be used to investigate the impact of different impairment types on Paralympic seated throwing?. <i>Sports Technology</i> , 2012, 5, 56-64.	0.4	8
74	Influence of Yo-Yo IR2 Scores on Internal and External Workloads and Fatigue Responses of Tag Football Players during Tournament Competition. <i>PLoS ONE</i> , 2015, 10, e0140547.	1.1	8
75	The role of the velocometer as an innovative tool for Paralympic coaches to understand wheelchair sporting training and interventions to help optimise performance. <i>Sports Technology</i> , 2012, 5, 20-28.	0.4	7
76	Letters. <i>Spine</i> , 2015, 40, E913.	1.0	7
77	Coaches of elite athletes with disability: senior sports administrators™ reported factors affecting coaches™ recruitment and retention. <i>Qualitative Research in Sport, Exercise and Health</i> , 2019, 11, 398-415.	3.3	7
78	Maximal Fully Tethered Swim Performance in Para Swimmers With Physical Impairment. <i>International Journal of Sports Physiology and Performance</i> , 2020, 15, 816-824.	1.1	7
79	A Computer Model to Simulate the Swing Phase of a Transfemoral Prosthesis. <i>Journal of Applied Biomechanics</i> , 2004, 20, 25-37.	0.3	6
80	Backstroke Swimming: Exploring Gender Differences in Passive Drag and Instantaneous Net Drag Force. <i>Journal of Applied Biomechanics</i> , 2013, 29, 662-669.	0.3	6
81	Limb symmetry during double-leg squats and single-leg squats on land and in water in adults with long-standing unilateral anterior knee pain; a cross sectional study. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2017, 9, 20.	0.7	6
82	The impact of limb deficiency impairment on Para swimming performance. <i>Journal of Sports Sciences</i> , 2020, 38, 839-847.	1.0	6
83	Sports technology provides an objective assessment of the Paralympic swimming classification system. <i>Sports Technology</i> , 2012, 5, 49-55.	0.4	5
84	Daily heart rate variability of Paralympic gold medallist swimmers: A 17-week investigation. <i>Journal of Sport and Health Science</i> , 2015, 4, 371-376.	3.3	5
85	Clinical Assessment of Scapula Motion: Scapula Upward Rotation and Relationship with Injury in Swimmers. <i>Sports</i> , 2016, 4, 8.	0.7	5
86	Stroke-coordination and symmetry of elite backstroke swimmers using a comparison between net drag force and timing protocols. <i>Journal of Sports Sciences</i> , 2014, 32, 220-228.	1.0	4
87	Kinematic analyses of seated throwing activities with and without an assistive pole. <i>Sports Engineering</i> , 2017, 20, 163-170.	0.5	4
88	Improving the objectivity of the current World Para Swimming motor coordination test for swimmers with hypertonia, ataxia and athetosis using measures of movement smoothness, rhythm and accuracy. <i>Journal of Sports Sciences</i> , 2021, 39, 62-72.	1.0	4
89	IMPROVING BALANCE IN COMMUNITY-DWELLING OLDER PEOPLE THROUGH A TARGETED MEDIOLATERAL POSTURAL STABILITY PROGRAM. <i>Journal of the American Geriatrics Society</i> , 2009, 57, 2380-2382.	1.3	2
90	Clinimetric evaluation of measurement tools used in hand therapy to assess activity and participation. <i>Journal of Hand Therapy</i> , 2010, 23, 83-84.	0.7	2

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91	Is daily walking when living in the Paralympic village different to the typical home environment?. British Journal of Sports Medicine, 2010, 44, 533-536.	3.1	2
92	Effectiveness of an Evidence-Based Multidisciplinary Falls Prevention Program in Reducing Falls in High-Risk Older People. Journal of the American Geriatrics Society, 2014, 62, 778-779.	1.3	2
93	Cardiac Autonomic and Salivary Responses to a Repeated Training Bout in Elite Swimmers. Sports, 2016, 4, 13.	0.7	2
94	Editorial for the special issue technology for disability sport. Sports Engineering, 2016, 19, 139-139.	0.5	2
95	Commitment to physical activity and health: a case study of a Paralympic Gold medallist. Disability and Rehabilitation, 2018, 40, 2093-2097.	0.9	2
96	The development of an estimation model for energy expenditure during water walking by acceleration and walking speed. Journal of Science and Medicine in Sport, 2014, 17, 96-101.	0.6	1
97	Measuring and Classifying Land-Based and Water-Based Daily Living Activities Using Inertial Sensors. Proceedings (mdpi), 2018, 2, 298.	0.2	1
98	Passive drag in Para swimmers with physical impairments: Implications for evidence-based classification in Para swimming. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1932-1940.	1.3	1
99	Factor analysis findings for the NDI. Journal of Orthopaedic and Sports Physical Therapy, 2009, 39, 828-9; author reply 829-31.	1.7	1
100	Technologies for Monitoring Human Player Activity Within a Competition. , 2009, , 63-80.		0