Brendan J Burkett

List of Publications by Year
in descending order

100	2,253	201385	288905
papers	citations	27 h-index	40 g-index

106	106	106	2266
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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. Journal of Sports Sciences, 2021, 39, 62-72.	1.0	4
2	Passive drag in Para swimmers with physical impairments: Implications for evidenceâ€based classification in Para swimming. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1932-1940.	1.3	1
3	Modelling the ageâ€related 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
4	The impact of limb deficiency impairment on Para swimming performance. Journal of Sports Sciences, 2020, 38, 839-847.	1.0	6
5	Active Drag as a Criterion for Evidence-based Classification in Para Swimming. Medicine and Science in Sports and Exercise, 2020, 52, 1576-1584.	0.2	17
6	Maximal Fully Tethered Swim Performance in Para Swimmers With Physical Impairment. International Journal of Sports Physiology and Performance, 2020, 15, 816-824.	1.1	7
7	A battery of strength tests for evidence-based classification in Para swimming. Journal of Sports Sciences, 2019, 37, 404-413.	1.0	20
8	Classifying motor coordination impairment in Para swimmers with brain injury. Journal of Science and Medicine in Sport, 2019, 22, 526-531.	0.6	25
9	Coaches of elite athletes with disability: senior sports administratorsâ€™ reported factors affecting coachesâ€™ recruitment and retention. Qualitative Research in Sport, Exercise and Health, 2019, 11, 398-415.	3.3	7
10	The Spine Functional Index: development and clinimetric validation ofÂaÂnew whole-spine functional outcome measure. Spine Journal, 2019, 19, e19-e27.	0.6	21
11	Performance Characteristics of Para Swimmers. Physical Medicine and Rehabilitation Clinics of North America, 2018, 29, 333-346.	0.7	31
12	Establishing the reliability of a novel battery of range of motion tests to enable evidence-based classification in Para Swimming. Physical Therapy in Sport, 2018, 32, 34-41.	0.8	18
13	Cost-effectiveness of bone-anchored prostheses using osseointegrated fixation. Prosthetics and Orthotics International, 2018, 42, 318-327.	0.5	29
14	Measuring and Classifying Land-Based and Water-Based Daily Living Activities Using Inertial Sensors. Proceedings (mdpi), 2018, 2, 298.	0.2	1
15	Commitment to physical activity and health: a case study of a Paralympic Gold medallist. Disability and Rehabilitation, 2018, 40, 2093-2097.	0.9	2
16	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
17	Kinematic analyses of seated throwing activities with and without an assistive pole. Sports Engineering, 2017, 20, 163-170.	0.5	4
18	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

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19	Cost Comparison of Socket-Suspended and Bone-Anchored Transfemoral Prostheses. Journal of Prosthetics and Orthotics, 2017, 29, 150-160.	0.2	21
20	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. BMC Sports Science, Medicine and Rehabilitation, 2017, 9, 20.	0.7	6
21	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
22	Cardiac Autonomic and Salivary Responses to a Repeated Training Bout in Elite Swimmers. Sports, 2016, 4, 13.	0.7	2
23	Clinical Assessment of Scapula Motion: Scapula Upward Rotation and Relationship with Injury in Swimmers. Sports, 2016, 4, 8.	0.7	5
24	Direct skeletal attachment prosthesis for the amputee athlete: the unknown potential. Sports Engineering, 2016, 19, 141-145.	0.5	14
25	Editorial for the special issue technology for disability sport. Sports Engineering, 2016, 19, 139-139.	0.5	2
26	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
27	A systematic review on research into the effectiveness of group-based sport and exercise programs designed for Indigenous adults. Journal of Science and Medicine in Sport, 2016, 19, 726-732.	0.6	19
28	Relationships Between Propulsion and Anthropometry in Paralympic Swimmers. International Journal of Sports Physiology and Performance, 2015, 10, 978-985.	1.1	13
29	Neuromuscular and Perceptual Fatigue Responses to Consecutive Tag Football Matches. International Journal of Sports Physiology and Performance, 2015, 10, 559-565.	1.1	18
30	Six Weeks of Unsupervised Nintendo Wii Fit Gaming Is Effective at Improving Balance in Independent Older Adults. Journal of Aging and Physical Activity, 2015, 23, 153-158.	0.5	58
31	Letters. Spine, 2015, 40, E913.	1.0	7
32	Influence of Yo-Yo IR2 Scores on Internal and External Workloads and Fatigue Responses of Tag Football Players during Tournament Competition. PLoS ONE, 2015, 10, e0140547.	1.1	8
33	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
34	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
35	Daily heart rate variability of Paralympic gold medallist swimmers: A 17-week investigation. Journal of Sport and Health Science, 2015, 4, 371-376.	3.3	5
36	Do the Nutrition Qualifications and Professional Practices of Registered Exercise Professionals Align?. International Journal of Sport Nutrition and Exercise Metabolism, 2015, 25, 154-162.	1.0	22

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37	Low-Load Very High-Repetition Resistance Training Attenuates Bone Loss at the Lumbar Spine in Active Post-menopausal Women. Calcified Tissue International, 2015, 96, 490-499.	1.5	22
38	Effectiveness of a Dry-Land Resistance Training Program on Strength, Power, and Swimming Performance in Paralympic Swimmers. Journal of Strength and Conditioning Research, 2015, 29, 619-626.	1.0	22
39	The influence of â€˜Slacklininâ€™ on quadriceps rehabilitation, activation and intensity. Journal of Science and Medicine in Sport, 2015, 18, 62-66.	0.6	11
40	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
41	Low-load high-repetition resistance training improves strength and gait speed in middle-aged and older adults. Journal of Science and Medicine in Sport, 2015, 18, 596-600.	0.6	25
42	Effect of Chronic Training on Heart Rate Variability, Salivary IgA and Salivary Alpha-Amylase in Elite Swimmers with a Disability. PLoS ONE, 2015, 10, e0127749.	1.1	30
43	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
44	Stroke-coordination and symmetry of elite backstroke swimmers using a comparison between net drag force and timing protocols. Journal of Sports Sciences, 2014, 32, 220-228.	1.0	4
45	Effectiveness of an Evidenceâ€Based Multidisciplinary Falls Prevention Program in Reducing Falls in Highâ€Risk Older People. Journal of the American Geriatrics Society, 2014, 62, 778-779.	1.3	2
46	Musculoskeletal screening to detect asymmetry in swimming. Physical Therapy in Sport, 2014, 15, 33-38.	0.8	28
47	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
48	Confirmatory factory analysis of the Neck Disability Index in a general problematic neck population indicates a one-factor model. Spine Journal, 2014, 14, 1410-1416.	0.6	21
49	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
50	The Influence of Upper-Body Strength on Flat-Water Sprint Kayak Performance in Elite Athletes. International Journal of Sports Physiology and Performance, 2014, 9, 707-714.	1.1	38
51	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
52	Electromyographic responses during time get up and go test in water (wTUG). SpringerPlus, 2013, 2, 217.	1.2	9
53	Massage therapy as an effective treatment for carpal tunnel syndrome. Journal of Bodywork and Movement Therapies, 2013, 17, 332-338.	0.5	25
54	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

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55	Determining Maximum Push-off Velocity in Swimming Using Accelerometers. Procedia Engineering, 2013, 60, 201-207.	1.2	14
56	The shortened Ã–rebro Musculoskeletal Screening Questionnaire: Evaluation in a work-injured population. Manual Therapy, 2013, 18, 378-385.	1.6	23
57	Detection of Illegal Race Walking: A Tool to Assist Coaching and Judging. Sensors, 2013, 13, 16065-16074.	2.1	33
58	London 2012 Paralympic swimming: passive drag and the classification system. British Journal of Sports Medicine, 2013, 47, 838-843.	3.1	34
59	Backstroke Swimming: Exploring Gender Differences in Passive Drag and Instantaneous Net Drag Force. Journal of Applied Biomechanics, 2013, 29, 662-669.	0.3	6
60	The role of the velocometer as an innovative tool for Paralympic coaches to understand wheelchair sporting training and interventions to help optimise performance. Sports Technology, 2012, 5, 20-28.	0.4	7
61	Lower Limb Functional Index: Development and Clinimetric Properties. Physical Therapy, 2012, 92, 98-110.	1.1	53
62	Paralympic Sports Medicineâ€"Current Evidence in Winter Sport. Clinical Journal of Sport Medicine, 2012, 22, 46-50.	0.9	25
63	Comparative Analysis of Active Drag Using the MAD System and an Assisted Towing Method in Front Crawl Swimming. Journal of Applied Biomechanics, 2012, 28, 746-750.	0.3	22
64	Sports technology provides an objective assessment of the Paralympic swimming classification system. Sports Technology, 2012, 5, 49-55.	0.4	5
65	What throwing frame configuration should be used to investigate the impact of different impairment types on Paralympic seated throwing?. Sports Technology, 2012, 5, 56-64.	0.4	8
66	The Ã–rebro Musculoskeletal Screening Questionnaire: Validation of a modified primary care musculoskeletal screening tool in an acute work injured population. Manual Therapy, 2012, 17, 554-565.	1.6	31
67	The forceâ€"time profile of elite front crawl swimmers. Journal of Sports Sciences, 2011, 29, 811-819.	1.0	35
68	Shifting boundaries in sports technology and disability: equal rights or unfair advantage in the case of Oscar Pistorius?. Disability and Society, 2011, 26, 643-654.	1.4	50
69	An unobtrusive swimming monitoring system for recreational and elite performance monitoring. Procedia Engineering, 2011, 13, 113-119.	1.2	16
70	Towards determining absolute velocity of freestyle swimming using 3-axis accelerometers. Procedia Engineering, 2011, 13, 120-125.	1.2	25
71	Inertial sensor, 3D and 2D assessment of stroke phases in freestyle swimming. Procedia Engineering, 2011, 13, 148-153.	1.2	23
72	Predictive ability of a modified Ã–rebro Musculoskeletal Pain Questionnaire in an acute/subacute low back pain working population. European Spine Journal, 2011, 20, 449-457.	1.0	44

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73	Optimizing kick rate and amplitude for Paralympic swimmers via net force measures. Journal of Sports Sciences, 2011, 29, 381-387.	1.0	16
74	An integrated swimming monitoring system for the biomechanical analysis of swimming strokes. Sports Technology, 2011, 4, 141-150.	0.4	43
75	The Lumbar and Sacrum Movement Pattern During the Back Squat Exercise. Journal of Strength and Conditioning Research, 2010, 24, 2731-2741.	1.0	43
76	Training Characteristics of Paralympic Swimmers. Journal of Strength and Conditioning Research, 2010, 24, 471-478.	1.0	25
77	Quantifying the Movement and the Influence of Load in the Back Squat Exercise. Journal of Strength and Conditioning Research, 2010, 24, 1671-1679.	1.0	33
78	The Influence of Swimming Start Components for Selected Olympic and Paralympic Swimmers. Journal of Applied Biomechanics, 2010, 26, 134-141.	0.3	31
79	Clinimetric evaluation of measurement tools used in hand therapy to assess activity and participation. Journal of Hand Therapy, 2010, 23, 83-84.	0.7	2
80	Modification of the Upper Limb Functional Index to a Three-point Response Improves Clinimetric Properties. Journal of Hand Therapy, 2010, 23, 41-52.	0.7	53
81	The use of a single inertial sensor to identify stride, step, and stance durations of running gait. Journal of Science and Medicine in Sport, 2010, 13, 270-273.	0.6	109
82	Identifying symmetry in running gait using a single inertial sensor. Journal of Science and Medicine in Sport, 2010, 13, 559-563.	0.6	47
83	The relationship between joint range of motion, muscular strength, and race time for sub-elite flat water kayakers. Journal of Science and Medicine in Sport, 2010, 13, 537-542.	0.6	44
84	The exercise profile of an ultra-long handcycling race: the StyrkeprÃ¸ven experience. Spinal Cord, 2010, 48, 894-898.	0.9	30
85	Tracking of wheelchair rugby players in the 2008 Demolition Derby final. Journal of Sports Sciences, 2010, 28, 193-200.	1.0	60
86	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
87	Technology in Paralympic sport: performance enhancement or essential for performance?. British Journal of Sports Medicine, 2010, 44, 215-220.	3.1	83
88	Quantifying freestyle kick-count and kick-rate patterns in Paralympic swimming. Journal of Sports Sciences, 2009, 27, 1455-1461.	1.0	21
89	Balancing fidelity and practicality in short version musculoskeletal patient reported outcome measures. Physical Therapy Reviews, 2009, 14, 221-225.	0.3	10
90	A modified QuickDASH-9 provides a valid outcome instrument for upper limb function. BMC Musculoskeletal Disorders, 2009, 10, 161.	0.8	76

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91	IMPROVING BALANCE IN COMMUNITYâ€ÐWELLING OLDER PEOPLE THROUGH A TARGETED MEDIOLATERAL POSTURAL STABILITY PROGRAM. Journal of the American Geriatrics Society, 2009, 57, 2380-2382.	1.3	2
92	Validity and reliability of kick count and rate in freestyle using inertial sensor technology. Journal of Sports Sciences, 2009, 27, 1051-1058.	1.0	39
93	Variability and progression in competitive performance of Paralympic swimmers. Journal of Sports Sciences, 2009, 27, 535-539.	1.0	61
94	The influence of dive direction on the movement characteristics for elite football goalkeepers. Sports Biomechanics, 2009, 8, 235-244.	0.8	21
95	Technologies for Monitoring Human Player Activity Within a Competition. , 2009, , 63-80.		0
96	Factor analysis findings for the NDI. Journal of Orthopaedic and Sports Physical Therapy, 2009, 39, 828-9; author reply 829-31.	1.7	1
97	Sport Science and Coaching in Paralympic Swimming. International Journal of Sports Science and Coaching, 2008, 3, 105-112.	0.7	18
98	Can long-term impairment in general practitioner whiplash patients be predicted using screening and patient-reported outcomes?. International Journal of Rehabilitation Research, 2008, 31, 79-80.	0.7	21
99	The Upper Limb Functional Index: Development and Determination of Reliability, Validity, and Responsiveness. Journal of Hand Therapy, 2006, 19, 328-349.	0.7	116
100	A Computer Model to Simulate the Swing Phase of a Transfemoral Prosthesis. Journal of Applied Biomechanics, 2004, 20, 25-37.	0.3	6