Robert Aughey

List of Publications by Year
in descending order

99 papers	5,141 citations	87723 38 h-index	91712 69 g-index
101 all docs	101 docs citations	101 times ranked	3123 citing authors

#	Article	IF	Citations
1	Validity and reliability of GPS for measuring instantaneous velocity during acceleration, deceleration, and constant motion. Journal of Sports Sciences, 2012, 30, 121-127.	1.0	463
2	The Reliability of MinimaxX Accelerometers for Measuring Physical Activity in Australian Football. International Journal of Sports Physiology and Performance, 2011, 6, 311-321.	1.1	404
3	Applications of GPS Technologies to Field Sports. International Journal of Sports Physiology and Performance, 2011, 6, 295-310.	1.1	309
4	The Validity and Reliability of GPS Units for Measuring Distance in Team Sport Specific Running Patterns. International Journal of Sports Physiology and Performance, 2010, 5, 328-341.	1.1	290
5	Live high:train low increases muscle buffer capacity and submaximal cycling efficiency. Acta Physiologica Scandinavica, 2001, 173, 275-286.	2.3	214
6	Australian Football Player Work Rate: Evidence of Fatigue and Pacing?. International Journal of Sports Physiology and Performance, 2010, 5, 394-405.	1.1	136
7	Quantifying External Load in Australian Football Matches and Training Using Accelerometers. International Journal of Sports Physiology and Performance, 2013, 8, 44-51.	1.1	132
8	Acceleration Profiles in Elite Australian Soccer. International Journal of Sports Medicine, 2012, 34, 34-39.	0.8	126
9	Activity profiles of professional soccer, rugby league and Australian football match play. Journal of Sports Sciences, 2014, 32, 1858-1866.	1.0	120
10	Variability of GPS Units for Measuring Distance in Team Sport Movements. International Journal of Sports Physiology and Performance, 2010, 5, 565-569.	1.1	116
11	Current Match-Analysis Techniquesâ€™ Underestimation of Intense Periods of High-Velocity Running. International Journal of Sports Physiology and Performance, 2012, 7, 183-185.	1.1	93
12	High-intensity warm-ups elicit superior performance to a current soccer warm-up routine. Journal of Science and Medicine in Sport, 2011, 14, 522-528.	0.6	92
13	Increased High-Intensity Activity in Elite Australian Football Finals Matches. International Journal of Sports Physiology and Performance, 2011, 6, 367-379.	1.1	91
14	Real-time versus post-game GPS data in team sports. Journal of Science and Medicine in Sport, 2010, 13, 348-349.	0.6	85
15	Reproducibility of Performance Changes to Simulated Live High/Train Low Altitude. Medicine and Science in Sports and Exercise, 2010, 42, 394-401.	0.2	83
16	Prolonged exercise to fatigue in humans impairs skeletal muscle Na+-K+-ATPase activity, sarcoplasmic reticulum Ca2+ release, and Ca2+ uptake. Journal of Applied Physiology, 2004, 97, 1414-1423.	1.2	82
17	The effect of acute simulated moderate altitude on power, performance and pacing strategies in well-trained cyclists. European Journal of Applied Physiology, 2007, 102, 45-55.	1.2	72
18	Living high-training low increases hypoxic ventilatory response of well-trained endurance athletes. Journal of Applied Physiology, 2002, 93, 1498-1505.	1.2	69

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19	Performance and physiological responses to repeated-sprint exercise: a novel multiple-set approach. European Journal of Applied Physiology, 2011, 111, 669-678.	1.2	67
20	International Field Hockey Players Perform More High-Speed Running Than National-Level Counterparts. Journal of Strength and Conditioning Research, 2012, 26, 947-952.	1.0	65
21	When Is a Sprint a Sprint? A Review of the Analysis of Team-Sport Athlete Activity Profile. Frontiers in Physiology, 2017, 8, 432.	1.3	63
22	GPS Analysis of an International Field Hockey Tournament. International Journal of Sports Physiology and Performance, 2012, 7, 224-231.	1.1	61
23	Enhancing Team-Sport Athlete Performance. Sports Medicine, 2012, 42, 751-767.	3.1	61
24	Validity of an ultra-wideband local positioning system to measure locomotion in indoor sports. Journal of Sports Sciences, 2018, 36, 1727-1733.	1.0	61
25	Modelling the decrement in running intensity within professional soccer players. Science and Medicine in Football, 2018, 2, 86-92.	1.0	60
26	Greater chance of high core temperatures with modified pacing strategy during team sport in the heat. Journal of Science and Medicine in Sport, 2014, 17, 113-118.	0.6	59
27	Intense exercise up-regulates Na+,K+-ATPase isoform mRNA, but not protein expression in human skeletal muscle. Journal of Physiology, 2004, 556, 507-519.	1.3	58
28	The sleep of elite athletes at sea level and high altitude: a comparison of sea-level natives and high-altitude natives (ISA3600). British Journal of Sports Medicine, 2013, 47, i114-i120.	3.1	58
29	Effects of live high, train low hypoxic exposure on lactate metabolism in trained humans. Journal of Applied Physiology, 2004, 96, 517-525.	1.2	54
30	Position statementâ€"altitude training for improving team-sport playersâ€™ performance: current knowledge and unresolved issues. British Journal of Sports Medicine, 2013, 47, i8-i16.	3.1	54
31	Identification of Sensitive Measures of Recovery After External Load From Football Match Play. International Journal of Sports Physiology and Performance, 2017, 12, 969-976.	1.1	52
32	Discovering frequently recurring movement sequences in team-sport athlete spatiotemporal data. Journal of Sports Sciences, 2017, 35, 2439-2445.	1.0	50
33	Intensified exercise training does not alter AMPK signaling in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E737-E743.	1.8	48
34	Muscle Na+-K+-ATPase activity and isoform adaptations to intense interval exercise and training in well-trained athletes. Journal of Applied Physiology, 2007, 103, 39-47.	1.2	48
35	Wellness, fatigue and physical performance acclimatisation to a 2-week soccer camp at 3600â€…m (ISA3600). British Journal of Sports Medicine, 2013, 47, i100-i106.	3.1	47
36	The impact of altitude on the sleep of young elite soccer players (ISA3600). British Journal of Sports Medicine, 2013, 47, i86-i92.	3.1	46

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37	Enhancing Team-Sport Athlete Performance. Sports Medicine, 2012, 42, 751-767.	3.1	46
38	Chronic intermittent hypoxia and incremental cycling exercise independently depress muscle in vitro maximal Na+-K+-ATPase activity in well-trained athletes. Journal of Applied Physiology, 2005, 98, 186-192.	1.2	42
39	High-Intensity Re-Warm-Ups Enhance Soccer Performance. International Journal of Sports Medicine, 2013, 34, 800-805.	0.8	41
40	Depressed Na+-K+-ATPase activity in skeletal muscle at fatigue is correlated with increased Na+-K+-ATPase mRNA expression following intense exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R266-R274.	0.9	39
41	Inertial sensors to estimate the energy expenditure of team-sport athletes. Journal of Science and Medicine in Sport, 2016, 19, 177-181.	0.6	39
42	Heavy Resistance Training in Hypoxia Enhances 1RM Squat Performance. Frontiers in Physiology, 2016, 7, 502.	1.3	38
43	Proposal of a Global Training Load Measure Predicting Match Performance in an Elite Team Sport. Frontiers in Physiology, 2017, 8, 930.	1.3	38
44	Repeated Sprints Alter Signaling Related to Mitochondrial Biogenesis in Humans. Medicine and Science in Sports and Exercise, 2012, 44, 827-834.	0.2	37
45	Lower Running Performance and Exacerbated Fatigue in Soccer Played at 1600 m. International Journal of Sports Physiology and Performance, 2014, 9, 397-404.	1.1	37
46	Effects of Water Immersion on Posttraining Recovery in Australian Footballers. International Journal of Sports Physiology and Performance, 2012, 7, 357-366.	1.1	35
47	Does the recent internal load and strain on players affect match outcome in elite Australian football?. Journal of Science and Medicine in Sport, 2016, 19, 182-186.	0.6	35
48	Influence of averaging method on muscle deoxygenation interpretation during repeatedâ€sprint exercise. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2263-2271.	1.3	35
49	Sleep in athletes undertaking protocols of exposure to nocturnal simulated altitude at 2650 m. Journal of Science and Medicine in Sport, 2005, 8, 222-232.	0.6	34
50	Effectiveness of Water Immersion on Postmatch Recovery in Elite Professional Footballers. International Journal of Sports Physiology and Performance, 2013, 8, 243-253.	1.1	34
51	High-Intensity Warm-Ups: Effects During Subsequent Intermittent Exercise. International Journal of Sports Physiology and Performance, 2015, 10, 498-503.	1.1	34
52	Effects of Training and Competition Load on Neuromuscular Recovery, Testosterone, Cortisol, and Match Performance During a Season of Professional Football. Frontiers in Physiology, 2018, 9, 668.	1.3	33
53	Changes in blood gas transport of altitude native soccer players near sea-level and sea-level native soccer players at altitude (ISA3600). British Journal of Sports Medicine, 2013, 47, i93-i99.	3.1	32
54	Widening margin in activity profile between elite and sub-elite Australian football: A case study. Journal of Science and Medicine in Sport, 2013, 16, 382-386.	0.6	30

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55	The Individual and Combined Effects of Multiple Factors on the Risk of Soft Tissue Non-contact Injuries in Elite Team Sport Athletes. Frontiers in Physiology, 2018, 9, 1280.	1.3	29
56	Soccer activity profile of altitude versus sea-level natives during acclimatisation to 3600â€…m (ISA3600). British Journal of Sports Medicine, 2013, 47, i107-i113.	3.1	27
57	A Standardized Small Sided Game Can Be Used to Monitor Neuromuscular Fatigue in Professional A-League Football Players. Frontiers in Physiology, 2018, 9, 1011.	1.3	27
58	Hypoxic ventilatory response is correlated with increased submaximal exercise ventilation after live high, train low. European Journal of Applied Physiology, 2005, 94, 207-215.	1.2	24
59	Acceleration Profiles in Elite Australian Soccer. International Journal of Sports Medicine, 2013, 34, 282-282.	0.8	22
60	Single-fiber expression and fiber-specific adaptability to short-term intense exercise training of Na⁺-K⁺-ATPase Î±- and Î²-isoforms in human skeletal muscle. Journal of Applied Physiology, 2015, 118, 699-706.	1.2	22
61	Interspersed normoxia during live high, train low interventions reverses an early reduction in muscle Na+, K+ATPase activity in well-trained athletes. European Journal of Applied Physiology, 2006, 98, 299-309.	1.2	20
62	Effects of endurance training status and sex differences on Na+,K+-pump mRNA expression, content and maximal activity in human skeletal muscle. Acta Physiologica, 2007, 189, 259-269.	1.8	20
63	Team-Sport Athletesâ€™ Improvement of Performance on the Yo-Yo Intermittent Recovery Test Level 2, but Not of Time-Trial Performance, With Intermittent Hypoxic Training. International Journal of Sports Physiology and Performance, 2016, 11, 15-21.	1.1	18
64	The Quantification of Acceleration Events in Elite Team Sport: a Systematic Review. Sports Medicine - Open, 2021, 7, 45.	1.3	18
65	Effects of Simulated and Real Altitude Exposure in Elite Swimmers. Journal of Strength and Conditioning Research, 2010, 24, 487-493.	1.0	17
66	Predicting sickness during a 2-week soccer camp at 3600â€…m (ISA3600). British Journal of Sports Medicine, 2013, 47, i124-i127.	3.1	17
67	Sleep disturbance at simulated altitude indicated by stratified respiratory disturbance index but not hypoxic ventilatory response. European Journal of Applied Physiology, 2005, 94, 569-575.	1.2	16
68	Normal Variability of Weekly Musculoskeletal Screening Scores and the Influence of Training Load across an Australian Football League Season. Frontiers in Physiology, 2018, 9, 144.	1.3	16
69	Methods of the international study on soccer at altitude 3600â€…m (ISA3600). British Journal of Sports Medicine, 2013, 47, i80-i85.	3.1	15
70	Effects of Training Load and Leg Dominance on Achilles and Patellar Tendon Structure. International Journal of Sports Physiology and Performance, 2017, 12, S2-122-S2-126.	1.1	15
71	Yin and yang, or peas in a pod? Individual-sport versus team-sport athletes and altitude training. British Journal of Sports Medicine, 2013, 47, 1150-1154.	3.1	14
72	Update in the understanding of altitude-induced limitations to performance in team-sport athletes. British Journal of Sports Medicine, 2013, 47, i22-i25.	3.1	12

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73	Variations in Hypoxia Impairs Muscle Oxygenation and Performance during Simulated Team-Sport Running. Frontiers in Physiology, 2017, 8, 80.	1.3	12
74	Technical Determinants of On-Water Rowing Performance. Frontiers in Sports and Active Living, 2020, 2, 589013.	0.9	12
75	Factors Affecting Match Outcome in Elite Australian Football: A 14-Year Analysis. International Journal of Sports Physiology and Performance, 2018, 13, 140-144.	1.1	10
76	Sensitivity, reliability and construct validity of GPS and accelerometers for quantifying peak periods of rugby competition. PLoS ONE, 2020, 15, e0236024.	1.1	10
77	The peak player loadâ„¢ of state-level netball matches. Journal of Science and Medicine in Sport, 2020, 23, 189-193.	0.6	9
78	Muscle oxygenation maintained during repeated-sprints despite inspiratory muscle loading. PLoS ONE, 2019, 14, e0222487.	1.1	8
79	Relative Match Intensities at High Altitude in Highly-Trained Young Soccer Players (ISA3600). Journal of Sports Science and Medicine, 2015, 14, 98-102.	0.7	8
80	Comparison of a computer vision system against three-dimensional motion capture for tracking football movements in a stadium environment. Sports Engineering, 2022, 25, 1.	0.5	8
81	Kinematic effects of a short-term fatigue protocol on punt-kicking performance. Journal of Sports Sciences, 2015, 33, 1596-1605.	1.0	7
82	Live-high train-low improves repeated time-trial and Yo-Yo IR2 performance in sub-elite team-sport athletes. Journal of Science and Medicine in Sport, 2017, 20, 190-195.	0.6	7
83	A League-Wide Evaluation of Factors Influencing Match Activity Profile in Elite Australian Football. Frontiers in Sports and Active Living, 2020, 2, 579264.	0.9	7
84	Quantifying important differences in athlete movement during collision-based team sports: Accelerometers outperform Global Positioning Systems. , 2017, , .		5
85	The longest journeys in Super Rugby: 11 years of travel and performance indicators. Journal of Sports Sciences, 2019, 37, 2045-2050.	1.0	5
86	Respiratory muscle oxygenation is not impacted by hypoxia during repeated-sprint exercise. Respiratory Physiology and Neurobiology, 2019, 260, 114-121.	0.7	5
87	Comparison of Physical Profiles of State-Level Netball Players by Position. Journal of Strength and Conditioning Research, 2020, 34, 2654-2662.	1.0	5
88	Relationships between measures of boat acceleration and performance in rowing, with and without controlling for stroke rate and power output. PLoS ONE, 2021, 16, e0249122.	1.1	5
89	Seasonal Change in Body Composition and Physique of Team Sport Athletes. Journal of Strength and Conditioning Research, 2022, 36, 565-572.	1.0	5
90	Out of your zone? 21 years of travel and performance in Super Rugby. Journal of Sports Sciences, 2019, 37, 2051-2056.	1.0	4

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91	The road goes ever on and on-a socio-physiological analysis of travel-related issues in Super Rugby. Journal of Sports Sciences, 2021, 39, 289-295.	1.0	4
92	The introduction of the six-again rule has increased acceleration intensity across all positions in the National Rugby League competition. Science and Medicine in Football, 2023, 7, 47-56.	1.0	2
93	Applying common filtering processes to Global Navigation Satellite System-derived acceleration during team sport locomotion. Journal of Sports Sciences, 2022, 40, 1116-1126.	1.0	2
94	The Respiratory System during Intermittent-Sprint Work: Respiratory Muscle Work and the Critical Distribution of Oxygen. , 0, , .		1
95	The impact of matches and travel on rugby playersâ€™ sleep, wellness and training. PLoS ONE, 2022, 17, e0261517.	1.1	1
96	The influence of tactical and match context on player movement in football. Journal of Sports Sciences, 2022, , 1-15.	1.0	1
97	The Effect of Acute Simulated Altitude on the Lactate Thresholds of Well-Trained Cyclists. Medicine and Science in Sports and Exercise, 2017, 49, 243.	0.2	0
98	The AuthorsÊ¼ Reply. Sports Medicine, 2012, 42, 1083-1085.	3.1	0
99	Modeling Professional Rugby Union Peak Intensityâ€“Duration Relationships Using a Power Law. International Journal of Sports Physiology and Performance, 2022, 17, 780-786.	1.1	0