Samuel J Robertson

List of Publications by Year
in descending order

118 papers	2,782 citations	185998 28 h-index	233125 45 g-index
122 all docs	122 docs citations	122 times ranked	2454 citing authors

#	Article	IF	Citations
1	Machine and deep learning for sport-specific movement recognition: a systematic review of model development and performance. Journal of Sports Sciences, 2019, 37, 568-600.	1.0	170
2	Effects of different protocols of high intensity interval training for VO2max improvements in adults: A meta-analysis of randomised controlled trials. Journal of Science and Medicine in Sport, 2019, 22, 941-947.	0.6	129
3	Relationships Between Internal and External Training Load in Team-Sport Athletes: Evidence for an Individualized Approach. International Journal of Sports Physiology and Performance, 2017, 12, 230-234.	1.1	124
4	Explaining match outcome in elite Australian Rules football using team performance indicators. Journal of Sports Sciences, 2016, 34, 637-644.	1.0	111
5	Development of a Skill Acquisition Periodisation Framework for High-Performance Sport. Sports Medicine, 2017, 47, 1043-1054.	3.1	76
6	Concurrent validation of an inertial measurement system to quantify kicking biomechanics in four football codes. Journal of Biomechanics, 2018, 73, 24-32.	0.9	76
7	Classification of team sport activities using a single wearable tracking device. Journal of Biomechanics, 2015, 48, 3975-3981.	0.9	73
8	Predicting higher selection in elite junior Australian Rules football: The influence of physical performance and anthropometric attributes. Journal of Science and Medicine in Sport, 2015, 18, 601-606.	0.6	73
9	Sport Practitioners as Sport Ecology Designers: How Ecological Dynamics Has Progressively Changed Perceptions of Skill â€œAcquisitionâ€•in the Sporting Habitat. Frontiers in Psychology, 2020, 11, 654.	1.1	72
10	Validity of a trunkâ€mounted accelerometer to assess peak accelerations during walking, jogging and running. European Journal of Sport Science, 2015, 15, 382-390.	1.4	67
11	Validation of a Trunk-mounted Accelerometer to Measure Peak Impacts during Team Sport Movements. International Journal of Sports Medicine, 2015, 36, 742-746.	0.8	62
12	Red, Amber, or Green? Athlete Monitoring in Team Sport: The Need for Decision-Support Systems. International Journal of Sports Physiology and Performance, 2017, 12, S2-73-S2-79.	1.1	56
13	The application of a multi-dimensional assessment approach to talent identification in Australian football. Journal of Sports Sciences, 2016, 34, 1340-1345.	1.0	55
14	Tests Examining Skill Outcomes in Sport: A Systematic Review of Measurement Properties and Feasibility. Sports Medicine, 2014, 44, 501-518.	3.1	48
15	Training programme designs in professional team sport: An ecological dynamics exemplar. Human Movement Science, 2019, 66, 318-326.	0.6	48
16	Deceleration, Acceleration, and Impacts Are Strong Contributors to Muscle Damage in Professional Australian Football. Journal of Strength and Conditioning Research, 2019, 33, 3374-3383.	1.0	47
17	Evolution of game-play in the Australian Football League from 2001 to 2015. Journal of Sports Sciences, 2017, 35, 1879-1887.	1.0	46
18	Wayfinding: How Ecological Perspectives of Navigating Dynamic Environments Can Enrich Our Understanding of the Learner and the Learning Process in Sport. Sports Medicine - Open, 2020, 6, 51.	1.3	46

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19	Consensus on measurement properties and feasibility of performance tests for the exercise and sport sciences: a Delphi study. Sports Medicine - Open, 2017, 3, 2.	1.3	45
20	A method to assess the influence of individual player performance distribution on match outcome in team sports. Journal of Sports Sciences, 2016, 34, 1893-1900.	1.0	43
21	Sleep Quality but Not Quantity Altered With a Change in Training Environment in Elite Australian Rules Football Players. International Journal of Sports Physiology and Performance, 2017, 12, 75-80.	1.1	43
22	Metabolic Power Method: Underestimation of Energy Expenditure in Field-Sport Movements Using a Global Positioning System Tracking System. International Journal of Sports Physiology and Performance, 2016, 11, 1067-1073.	1.1	42
23	Identifying the performance characteristics of a winning outcome in elite mixed martial arts competition. Journal of Science and Medicine in Sport, 2017, 20, 296-301.	0.6	42
24	Validity and Reliability of Field-Based Measures for Assessing Movement Skill Competency in Lifelong Physical Activities: A Systematic Review. Sports Medicine, 2015, 45, 1443-1454.	3.1	39
25	The effect of working on-call on stress physiology and sleep: AÂsystematic review. Sleep Medicine Reviews, 2017, 33, 79-87.	3.8	38
26	What are talent scouts actually identifying? Investigating the physical and technical skill match activity profiles of drafted and non-drafted U18 Australian footballers. Journal of Science and Medicine in Sport, 2016, 19, 419-423.	0.6	37
27	Validity of the ActiGraph GT3X+ and BodyMedia SenseWear Armband to estimate energy expenditure during physical activity and sport. Journal of Science and Medicine in Sport, 2018, 21, 291-295.	0.6	35
28	Representative co-design: Utilising a source of experiential knowledge for athlete development and performance preparation. Psychology of Sport and Exercise, 2021, 52, 101804.	1.1	34
29	Explaining match outcome and ladder position in the National Rugby League using team performance indicators. Journal of Science and Medicine in Sport, 2017, 20, 1107-1111.	0.6	31
30	Theory to Practice: Performance Preparation Models in Contemporary High-Level Sport Guided by an Ecological Dynamics Framework. Sports Medicine - Open, 2020, 6, 36.	1.3	31
31	Physical characteristics of players within the Australian Football League participation pathways: a systematic review. Sports Medicine - Open, 2017, 3, 46.	1.3	29
32	Tennis influencers: The player effect on social media engagement and demand for tournament attendance. Telematics and Informatics, 2020, 50, 101381.	3.5	28
33	A development framework for decision support systems in high-performance sport. International Journal of Computer Science in Sport, 2020, 19, 1-23.	0.6	28
34	Informing in-season tactical periodisation in team sport: development of a match difficulty index for Super Rugby. Journal of Sports Sciences, 2015, 33, 99-107.	1.0	26
35	Man & machine: Adaptive tools for the contemporary performance analyst. Journal of Sports Sciences, 2020, 38, 2118-2126.	1.0	26
36	Validity of a Trunk-Mounted Accelerometer to Measure Physical Collisions in Contact Sports. International Journal of Sports Physiology and Performance, 2015, 10, 681-686.	1.1	25

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37	Match running performance and skill execution improves with age but not the number of disposals in young Australian footballers. Journal of Sports Sciences, 2017, 35, 2397-2404.	1.0	25
38	Collective team behaviour of Australian Rules football during phases of match play. Journal of Sports Sciences, 2019, 37, 237-243.	1.0	25
39	Development of the Nine-Ball Skills Test to discriminate elite and high-level amateur golfers. Journal of Sports Sciences, 2012, 30, 431-437.	1.0	24
40	Predictors of Individual Player Match Performance in Junior Australian Football. International Journal of Sports Physiology and Performance, 2015, 10, 853-859.	1.1	23
41	Comparison of athletic movement between elite junior and senior Australian football players. Journal of Sports Sciences, 2016, 34, 1260-1265.	1.0	23
42	The use of player physical and technical skill match activity profiles to predict position in the Australian Football League draft. Journal of Sports Sciences, 2017, 35, 325-330.	1.0	23
43	Prevalence of interactions and influence of performance constraints on kick outcomes across Australian Football tiers: Implications for representative practice designs. Human Movement Science, 2019, 66, 621-630.	0.6	21
44	The influence of match phase and field position on collective team behaviour in Australian Rules football. Journal of Sports Sciences, 2019, 37, 1699-1707.	1.0	21
45	The influence of age-policy changes on the relative age effect across the Australian Rules football talent pathway. Journal of Science and Medicine in Sport, 2018, 21, 1106-1111.	0.6	20
46	Classification of playing position in elite junior Australian football using technical skill indicators. Journal of Sports Sciences, 2018, 36, 97-103.	1.0	20
47	Development of physical and skill training drill prescription systems for elite Australian Rules football. Science and Medicine in Football, 2018, 2, 51-57.	1.0	20
48	The relationship between game-based performance indicators and developmental level in junior Australian football: Implications for coaching. Journal of Sports Sciences, 2016, 34, 2165-2169.	1.0	19
49	Evaluating strategic periodisation in team sport. Journal of Sports Sciences, 2018, 36, 279-285.	1.0	19
50	Non-metric multidimensional performance indicator scaling reveals seasonal and team dissimilarity within the National Rugby League. Journal of Science and Medicine in Sport, 2018, 21, 410-415.	0.6	19
51	A rule induction framework for the determination of representative learning design in skilled performance. Journal of Sports Sciences, 2019, 37, 1280-1285.	1.0	18
52	Modelling the Progression of Male Swimmersâ€™ Performances through Adolescence. Sports, 2016, 4, 2.	0.7	17
53	Validation of the Australian Football League Player Ratings. International Journal of Sports Science and Coaching, 2018, 13, 1064-1071.	0.7	16
54	Measurement properties and feasibility of the Loughborough soccer passing test: A systematic review. Journal of Sports Sciences, 2018, 36, 1682-1694.	1.0	16

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55	Long-term influence of technical, physical performance indicators and situational variables on match outcome in male professional Chinese soccer. Journal of Sports Sciences, 2021, 39, 598-608.	1.0	15
56	Applications of a working framework for the measurement of representative learning design in Australian football. PLoS ONE, 2020, 15, e0242336.	1.1	14
57	Weak Relationships between Stint Duration, Physical and Skilled Match Performance in Australian Football. Frontiers in Physiology, 2017, 8, 820.	1.3	13
58	Transferring an Analytical Technique from Ecology to the Sport Sciences. Sports Medicine, 2018, 48, 725-732.	3.1	13
59	Examination of player role in the Australian Football League using match performance data. International Journal of Performance Analysis in Sport, 2018, 18, 451-462.	0.5	13
60	A Framework for Clinicians to Improve the Decision-Making Process in Return to Sport. Sports Medicine - Open, 2022, 8, 52.	1.3	13
61	Reliability and Validity of the Loughborough Soccer Passing Test in Adolescent Males: Implications for Talent Identification. International Journal of Sports Science and Coaching, 2015, 10, 515-527.	0.7	12
62	Methodological Considerations for Furthering the Understanding of Constraints in Applied Sports. Sports Medicine - Open, 2021, 7, 22.	1.3	12
63	Characteristics of Complex Systems in Sports Injury Rehabilitation: Examples and Implications for Practice. Sports Medicine - Open, 2022, 8, 24.	1.3	12
64	DXAâ€derived estimates of energy balance and its relationship with changes in body composition across a season in team sport athletes. European Journal of Sport Science, 2020, 20, 859-867.	1.4	11
65	Combine performance, draft position and playing position are poor predictors of player career outcomes in the Australian Football League. PLoS ONE, 2020, 15, e0234400.	1.1	11
66	Development and validation of the Approach-Iron Skill Test for use in golf. European Journal of Sport Science, 2013, 13, 615-621.	1.4	10
67	The relationship of team and individual athlete performances on match quarter outcome in elite womenâ€™s Australian Rules football. Journal of Science and Medicine in Sport, 2019, 22, 1157-1162.	0.6	10
68	A change point approach to analysing the match activity profiles of team-sport athletes. Journal of Sports Sciences, 2019, 37, 1600-1608.	1.0	10
69	The development and validation of a golf swing and putt skill assessment for children. Journal of Sports Science and Medicine, 2015, 14, 147-54.	0.7	10
70	Please Don't Moveâ€”Evaluating Motion Artifact From Peripheral Quantitative Computed Tomography Scans Using Textural Features. Journal of Clinical Densitometry, 2018, 21, 260-268.	0.5	9
71	Tennis superstars: The relationship between star status and demand for tickets. Sport Management Review, 2020, 23, 330-347.	1.9	9
72	Decision Support System Applications for Scheduling in Professional Team Sport. The Team's Perspective. Frontiers in Sports and Active Living, 2021, 3, 678489.	0.9	9

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73	The influence of environmental and task constraint interaction on skilled behaviour in Australian Football. European Journal of Sport Science, 2022, 22, 1268-1275.	1.4	9
74	An Ecological Insight Into the Design and Integration of Attacking Principles of Play in Professional Rugby Union: A Case Example. International Sport Coaching Journal, 2021, 8, 394-399.	0.5	9
75	A Comparison of Athletic Movement Among Talent-Identified Juniors From Different Football Codes in Australia: Implications for Talent Development. Journal of Strength and Conditioning Research, 2016, 30, 2440-2445.	1.0	8
76	The association between fundamental athletic movements and physical fitness in elite junior Australian footballers. Journal of Sports Sciences, 2018, 36, 1-6.	1.0	8
77	A comparison of game-play characteristics between elite youth and senior Australian National Rugby League competitions. Journal of Science and Medicine in Sport, 2018, 21, 626-630.	0.6	8
78	Comparing subjective and objective evaluations of player performance in Australian Rules football. PLoS ONE, 2019, 14, e0220901.	1.1	8
79	Discriminating Talent Identified Junior Australian Footballers Using a Fundamental Gross Athletic Movement Assessment. Journal of Sports Science and Medicine, 2016, 15, 548-553.	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	Two tests of approach-iron golf skill and their ability to predict tournament performance. Journal of Sports Sciences, 2014, 32, 1341-1349.	1.0	7
82	How Confident Can We Be in Modelling Female Swimming Performance in Adolescence?. Sports, 2016, 4, 16.	0.7	7
83	Athlete Self-Report Measure Use and Associated Psychological Alterations. Sports, 2017, 5, 54.	0.7	7
84	Modeling the Quality of Player Passing Decisions in Australian Rules Football Relative to Risk, Reward, and Commitment. Frontiers in Psychology, 2019, 10, 1777.	1.1	7
85	Classification of Australian football kick types in-situation via ankle-mounted inertial measurement units. Journal of Sports Sciences, 2021, 39, 1330-1338.	1.0	7
86	Relationships Between Physical Testing and Match Activity Profiles Across the Australian Football League Participation Pathway. International Journal of Sports Physiology and Performance, 2019, 14, 771-778.	1.1	6
87	The art of the question: the structure of questions posed by youth soccer coaches during training. Physical Education and Sport Pedagogy, 2022, 27, 304-319.	1.8	6
88	Application of a continuous pressure metric for Australian football. Journal of Sports Sciences, 2021, 39, 1548-1554.	1.0	6
89	A qualitative investigation into the role of the caddie in elite-level golf. International Journal of Sports Science and Coaching, 2016, 11, 599-609.	0.7	5
90	Salivary cortisol profiles of on-call from home fire and emergency service personnel. Stress, 2019, 22, 436-445.	0.8	5

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91	Multifactorial Benchmarking of Longitudinal Player Performance in the Australian Football League. Frontiers in Psychology, 2019, 10, 1283.	1.1	5
92	Anthropometric and Physical Fitness Comparisons Between Australian and Qatari Male Sport School Athletes. Asian Journal of Sports Medicine, 2018, 9, .	0.1	5
93	Effects of acute wearable resistance loading on overground running lower body kinematics. PLoS ONE, 2020, 15, e0244361.	1.1	5
94	Biomechanics of accurate and inaccurate goal-kicking in Australian football: Group-based analysis. PLoS ONE, 2020, 15, e0241969.	1.1	5
95	A GNSS-based method to define athlete manoeuvrability in field-based team sports. PLoS ONE, 2021, 16, e0260363.	1.1	5
96	Salivary alpha amylase in on-call from home fire and emergency service personnel. Endocrine Connections, 2017, 6, 637-646.	0.8	4
97	Classification of Players Across the Australian Rules Football Participation Pathway Based on Physical Characteristics. Journal of Strength and Conditioning Research, 2020, Publish Ahead of Print, .	1.0	4
98	Modelling the Influence of Task Constraints on Goal Kicking Performance in Australian Rules Football. Sports Medicine - Open, 2022, 8, 13.	1.3	4
99	An Evaluation of High-Level Player-Reported Measurement of Approach-Iron Shot Distances in Golf. International Journal of Sports Science and Coaching, 2013, 8, 789-800.	0.7	3
100	Development and measurement properties of a putting skill test for highâ€level golf. European Journal of Sport Science, 2015, 15, 125-133.	1.4	3
101	The Self-Regulatory and Task-Specific Strategies of Elite-Level Amateur Golfers in Tournament Preparation. Sport Psychologist, 2018, 32, 169-177.	0.4	3
102	The development of a tournament preparation framework for competitive golf: A Delphi study. European Journal of Sport Science, 2018, 18, 930-939.	1.4	3
103	Team numerical advantage in Australian rules football: A missing piece of the scoring puzzle?. PLoS ONE, 2021, 16, e0254591.	1.1	3
104	Biomechanical Characteristics of Elite Female Australian Rules Football Preferred and Non-preferred Drop Punt Kicks. , 2019, , .		3
105	Markov Chain Models for the Near Real-Time Forecasting of Australian Football League Match Outcomes. Advances in Intelligent Systems and Computing, 2020, , 111-125.	0.5	3
106	The acute effect of maximal voluntary isometric contraction pull on start gate performance of snowboard and ski cross athletes. International Journal of Sports Science and Coaching, 2016, 11, 721-727.	0.7	2
107	Confirming the Value of Swimming-Performance Models for Adolescents. International Journal of Sports Physiology and Performance, 2017, 12, 1177-1185.	1.1	2
108	Apples and oranges? Comparing player performances between the Australian Football League and second-tier leagues. Journal of Sports Sciences, 2021, 39, 2123-2132.	1.0	2

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109	â€œLearning by Designâ€: What Sports Coaches can Learn from Video Game Designs. Sports Medicine - Open, 2021, 7, 35.	1.3	2
110	Effects of lower limb light-weight wearable resistance on running biomechanics. Journal of Biomechanics, 2022, 130, 110903.	0.9	2
111	A method to inform team sport training activity duration with change point analysis. PLoS ONE, 2022, 17, e0265848.	1.1	2
112	Development of a golfâ€specific load monitoring tool: Content validity and feasibility. European Journal of Sport Science, 2018, 18, 458-472.	1.4	1
113	Analysis of Training Loads in Elite Under 18 Australian Rule Football Players. Journal of Strength and Conditioning Research, 2018, 32, 2521-2528.	1.0	1
114	Longitudinal Analysis of Tactical Strategy in the Men's Division of the Ultimate Fighting Championship. Frontiers in Artificial Intelligence, 2019, 2, 29.	2.0	1
115	What tactical and technical comments do coaches make during netball matches? A content analysis in netball. International Journal of Performance Analysis in Sport, 2021, 21, 74-89.	0.5	1
116	The influence of tactical and match context on player movement in football. Journal of Sports Sciences, 2022, , 1-15.	1.0	1
117	Modelling within-team relative phase couplings using position derivatives in Australian rules football. Mathematical and Computer Modelling of Dynamical Systems, 2017, 23, 372-383.	1.4	0
118	Effects Of Lower Limb Light-weight Wearable Resistance On Running Biomechanics. Medicine and Science in Sports and Exercise, 2020, 52, 997-997.	0.2	0