

Liam P Kilduff

List of Publications by Year in descending order

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99
papers

3,625
citations

117625

34
h-index

155660

55
g-index

100
all docs

100
docs citations

100
times ranked

2779
citing authors

#	ARTICLE	IF	CITATIONS
1	Digit Ratio (2D:4D): A Biomarker for Prenatal Sex Steroids and Adult Sex Steroids in Challenge Situations. <i>Frontiers in Endocrinology</i> , 2014, 5, 9.	3.5	185
2	Development of a Criterion Method to Determine Peak Mechanical Power Output in a Countermovement Jump. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 1552-1558.	2.1	167
3	Influence of recovery time on post-activation potentiation in professional rugby players. <i>Journal of Sports Sciences</i> , 2008, 26, 795-802.	2.0	135
4	Postactivation Potentiation in Professional Rugby Players: Optimal Recovery. <i>Journal of Strength and Conditioning Research</i> , 2007, 21, 1134.	2.1	134
5	Relationships Between Force-Time Characteristics of the Isometric Midthigh Pull and Dynamic Performance in Professional Rugby League Players. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 3070-3075.	2.1	129
6	Changes in Acceleration and Deceleration Capacity Throughout Professional Soccer Match-Play. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 2839-2844.	2.1	122
7	Influence of Postactivation Potentiation on Sprinting Performance in Professional Rugby Players. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 701-705.	2.1	108
8	The Acute Potentiating Effects of Back Squats on Athlete Performance. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 3319-3325.	2.1	95
9	Improving Strength and Power in Trained Athletes With 3 Weeks of Occlusion Training. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 166-172.	2.3	95
10	Quantifying positional and temporal movement patterns in professional rugby union using global positioning system. <i>European Journal of Sport Science</i> , 2015, 15, 488-496.	2.7	94
11	Monitoring the Athlete Match Response: Can External Load Variables Predict Post-match Acute and Residual Fatigue in Soccer? A Systematic Review with Meta-analysis. <i>Sports Medicine - Open</i> , 2019, 5, 48.	3.1	81
12	Postactivation Potentiation of Sprint Acceleration Performance Using Plyometric Exercise. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 343-350.	2.1	77
13	Optimal Loading for the Development of Peak Power Output in Professional Rugby Players. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 43-47.	2.1	76
14	Morning based strength training improves afternoon physical performance in rugby union players. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 317-321.	1.3	76
15	Optimal Loading for Peak Power Output During the Hang Power Clean in Professional Rugby Players. <i>International Journal of Sports Physiology and Performance</i> , 2007, 2, 260-269.	2.3	74
16	Preconditioning Strategies to Enhance Physical Performance on the Day of Competition. <i>International Journal of Sports Physiology and Performance</i> , 2013, 8, 677-681.	2.3	72
17	Effect of Postactivation Potentiation on Swimming Starts in International Sprint Swimmers. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 2418-2423.	2.1	71
18	Half-Time Strategies to Enhance Second-Half Performance in Team-Sports Players: A Review and Recommendations. <i>Sports Medicine</i> , 2015, 45, 353-364.	6.5	69

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19	Assessing worst case scenarios in movement demands derived from global positioning systems during international rugby union matches: Rolling averages versus fixed length epochs. PLoS ONE, 2018, 13, e0195197.	2.5	68
20	Effects of competition on the sleep patterns of elite rugby union players. European Journal of Sport Science, 2015, 15, 681-686.	2.7	59
21	Match-Play and Performance Test Responses of Soccer Goalkeepers: A Review of Current Literature. Sports Medicine, 2018, 48, 2497-2516.	6.5	59
22	Complex Training in Professional Rugby Players: Influence of Recovery Time on Upper-Body Power Output. Journal of Strength and Conditioning Research, 2009, 23, 1780-1785.	2.1	58
23	The influence of passive heat maintenance on lower body power output and repeated sprint performance in professional rugby league players. Journal of Science and Medicine in Sport, 2013, 16, 482-486.	1.3	56
24	Effects of Resisted Sprint Training on Acceleration in Professional Rugby Union Players. Journal of Strength and Conditioning Research, 2013, 27, 1014-1018.	2.1	50
25	Rightâ€‘left digit ratio (2D:4D) and maximal oxygen uptake. Journal of Sports Sciences, 2012, 30, 129-134.	2.0	47
26	Baseline Strength Can Influence the Ability of Salivary Free Testosterone to Predict Squat and Sprinting Performance. Journal of Strength and Conditioning Research, 2012, 26, 261-268.	2.1	44
27	Profiling the Responses of Soccer Substitutes: A Review of Current Literature. Sports Medicine, 2018, 48, 2255-2269.	6.5	44
28	Match play performance characteristics that predict post-match creatine kinase responses in professional rugby union players. BMC Sports Science, Medicine and Rehabilitation, 2014, 6, 38.	1.7	43
29	The ball in play demands of international rugby union. Journal of Science and Medicine in Sport, 2018, 21, 1090-1094.	1.3	43
30	Influence of Ballistic Bench Press on Upper Body Power Output in Professional Rugby Players. Journal of Strength and Conditioning Research, 2013, 27, 2282-2287.	2.1	42
31	Digit ratio (2D:4D) and salivary testosterone, oestradiol and cortisol levels under challenge: Evidence for prenatal effects on adult endocrine responses. Early Human Development, 2015, 91, 451-456.	1.8	42
32	Digit ratio (2D:4D), testosterone, cortisol, aggression, personality and hand-grip strength: Evidence for prenatal effects on strength. Early Human Development, 2016, 100, 21-25.	1.8	42
33	Rightâ€‘left digit ratio (2D:4D) predicts free testosterone levels associated with a physical challenge. Journal of Sports Sciences, 2013, 31, 677-683.	2.0	41
34	A comparison of rolling averages versus discrete time epochs for assessing the worst-case scenario locomotor demands of professional soccer match-play. Journal of Science and Medicine in Sport, 2020, 23, 764-769.	1.3	39
35	Profiling the time-course changes in neuromuscular function and muscle damage over two consecutive tournament stages in elite rugby sevens players. Journal of Science and Medicine in Sport, 2014, 17, 688-692.	1.3	38
36	Anthropometric and Physiological Characteristics of Elite Male Rugby Athletes. Journal of Strength and Conditioning Research, 2020, 34, 1790-1801.	2.1	35

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37	Movement Demands of Elite U20 International Rugby Union Players. PLoS ONE, 2016, 11, e0153275.	2.5	35
38	Physiological and performance effects of carbohydrate gels consumed prior to the extra-time period of prolonged simulated soccer match-play. Journal of Science and Medicine in Sport, 2016, 19, 509-514.	1.3	33
39	The impact of neuromuscular electrical stimulation on recovery after intensive, muscle damaging, maximal speed training in professional team sports players. Journal of Science and Medicine in Sport, 2015, 18, 328-332.	1.3	31
40	The Workout Responses of Salivary-Free Testosterone and Cortisol Concentrations and Their Association With the Subsequent Competition Outcomes in Professional Rugby League. Journal of Strength and Conditioning Research, 2013, 27, 471-476.	2.1	29
41	Descriptive conversion of performance indicators in rugby union. Journal of Science and Medicine in Sport, 2019, 22, 330-334.	1.3	29
42	Resting steroid hormone concentrations in lifetime exercisers and lifetime sedentary males. Aging Male, 2015, 18, 22-26.	1.9	28
43	A Passive Heat Maintenance Strategy Implemented during a Simulated Half-Time Improves Lower Body Power Output and Repeated Sprint Ability in Professional Rugby Union Players. PLoS ONE, 2015, 10, e0119374.	2.5	27
44	Abbreviated Resonant Frequency Training to Augment Heart Rate Variability and Enhance On-Demand Emotional Regulation in Elite Sport Support Staff. Applied Psychophysiology Biofeedback, 2016, 41, 263-274.	1.7	27
45	Relationships between physical qualities and key performance indicators during match-play in senior international rugby union players. PLoS ONE, 2018, 13, e0202811.	2.5	27
46	Necessary Steps to Accelerate the Integration of Wearable Sensors Into Recreation and Competitive Sports. Current Sports Medicine Reports, 2018, 17, 178-182.	1.2	27
47	Relationship between Repeated Sprint Ability and Aerobic Capacity in Professional Soccer Players. Scientific World Journal, The, 2013, 2013, 1-5.	2.1	26
48	Effects of oral contraceptive use on the salivary testosterone and cortisol responses to training sessions and competitions in elite women athletes. Physiology and Behavior, 2015, 147, 84-90.	2.1	26
49	Neuromuscular, Biochemical, Endocrine, and Mood Responses to Small-Sided Games' Training in Professional Soccer. Journal of Strength and Conditioning Research, 2018, 32, 2569-2576.	2.1	26
50	A match-day analysis of the movement profiles of substitutes from a professional soccer club before and after pitch-entry. PLoS ONE, 2019, 14, e0211563.	2.5	25
51	A comparison of match demands using ball-in-play vs. whole match data in elite male youth soccer players. Science and Medicine in Football, 2020, 4, 142-147.	2.0	25
52	Movement Demands of Elite Under-20s and Senior International Rugby Union Players. PLoS ONE, 2016, 11, e0164990.	2.5	25
53	Measuring recovery: An adapted Brief Assessment of Mood (BAM+) compared to biochemical and power output alterations. Journal of Science and Medicine in Sport, 2017, 20, 512-517.	1.3	24
54	Digit ratio (2D:4D) and performance in male surfers. Journal of Strength and Conditioning Research, 2011, 25, 3175-3180.	2.1	23

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55	Genomics in rugby union: A review and future prospects. <i>European Journal of Sport Science</i> , 2015, 15, 460-468.	2.7	23
56	Neuromuscular, physiological and endocrine responses to a maximal speed training session in elite games players. <i>European Journal of Sport Science</i> , 2015, 15, 550-556.	2.7	22
57	Physiological and Performance Effects of Caffeine Gum Consumed During a Simulated Half-Time by Professional Academy Rugby Union Players. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 145-151.	2.1	20
58	COL5A1 gene variants previously associated with reduced soft tissue injury risk are associated with elite athlete status in rugby. <i>BMC Genomics</i> , 2017, 18, 820.	2.8	18
59	A comparison of different heat maintenance methods implemented during a simulated half-time period in professional Rugby Union players. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 327-332.	1.3	17
60	Predictors of Linear and Multidirectional Acceleration in Elite Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 514-522.	2.1	17
61	Stretchable Carbon and Silver Inks for Wearable Applications. <i>Nanomaterials</i> , 2021, 11, 1200.	4.1	17
62	Effects of Heat Acclimation and Acclimatisation on Maximal Aerobic Capacity Compared to Exercise Alone in Both Thermoneutral and Hot Environments: A Meta-Analysis and Meta-Regression. <i>Sports Medicine</i> , 2021, 51, 1509-1525.	6.5	16
63	Salivary testosterone and cortisol responses to four different rugby training exercise protocols. <i>European Journal of Sport Science</i> , 2015, 15, 497-504.	2.7	15
64	The Neuromuscular, Biochemical, and Endocrine Responses to a Single-Session Vs. Double-Session Training Day in Elite Athletes. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 3098-3106.	2.1	15
65	Neuromuscular, physiological and perceptual responses to an elite netball tournament. <i>Journal of Sports Sciences</i> , 2019, 37, 2169-2174.	2.0	14
66	Assessing the whole-match and worst-case scenario locomotor demands of international women's rugby union match-play. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 609-614.	1.3	14
67	Effect of Ischemic Preconditioning on Maximal Swimming Performance. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, 221-226.	2.1	14
68	Digit ratio (2D:4D), aggression, and testosterone in men exposed to an aggressive video stimulus. <i>Evolutionary Psychology</i> , 2013, 11, 953-64.	0.9	14
69	The physical demands of professional soccer goalkeepers throughout a week-long competitive microcycle and transiently throughout match-play. <i>Journal of Sports Sciences</i> , 2020, 38, 848-854.	2.0	13
70	Reliability and Detecting Change Following Short-Term Creatine Supplementation: Comparison of Two-Component Body Composition Methods. <i>Journal of Strength and Conditioning Research</i> , 2007, 21, 378.	2.1	13
71	Can salivary testosterone and cortisol reactivity to a mid-week stress test discriminate a match outcome during international rugby union competition?. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 312-316.	1.3	12
72	Profiling the Post-match Top-up Conditioning Practices of Professional Soccer Substitutes: An Analysis of Contextual Influences. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 2805-2814.	2.1	11

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73	Salivary testosterone responses to a physical and psychological stimulus and subsequent effects on physical performance in healthy adults. <i>Hormones</i> , 2016, 15, 248-255.	1.9	10
74	Post-warmup strategies to maintain body temperature and physical performance in professional rugby union players. <i>Journal of Sports Sciences</i> , 2016, 34, 110-115.	2.0	10
75	Lower-Limb Passive Heat Maintenance Combined With Pre-cooling Improves Repeated Sprint Ability. <i>Frontiers in Physiology</i> , 2018, 9, 1064.	2.8	10
76	The effect of oral contraceptive use on salivary testosterone concentrations and athlete performance during international field hockey matches. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 453-456.	1.3	9
77	The effect of session order on the physiological, neuromuscular, and endocrine responses to maximal speed and weight training sessions over a 24-h period. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, 502-506.	1.3	8
78	Quantifying the Peak Physical Match-Play Demands of Professional Soccer Substitutes Following Pitch-Entry: Assessing Contextual Influences. <i>Research Quarterly for Exercise and Sport</i> , 2022, 93, 270-281.	1.4	8
79	A longitudinal investigation of bidirectional and time-dependent interrelationships between testosterone and training motivation in an elite rugby environment. <i>Hormones and Behavior</i> , 2020, 126, 104866.	2.1	8
80	Body temperature and physical performance responses are not maintained at the time of pitch-entry when typical substitute-specific match-day practices are adopted before simulated soccer match-play. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 511-516.	1.3	8
81	The effect of plasma functionalization on the print performance and time stability of graphite nanoplatelet electrically conducting inks. <i>Journal of Coatings Technology Research</i> , 2021, 18, 193-203.	2.5	7
82	Genetic Factors That Could Affect Concussion Risk in Elite Rugby. <i>Sports</i> , 2021, 9, 19.	1.7	7
83	Acute effects of wearable thigh and shank loading on spatiotemporal and kinematic variables during maximum velocity sprinting. <i>Sports Biomechanics</i> , 2022, 21, 1234-1248.	1.6	6
84	Predicting performance at the groupâ€œphase and knockoutâ€œphase of the 2015 Rugby World Cup. <i>European Journal of Sport Science</i> , 2021, 21, 312-320.	2.7	6
85	Performance indicators during international rugby union matches are influenced by a combination of physiological and contextual variables. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 396-402.	1.3	5
86	Morning resistance exercise and cricket-specific repeated sprinting each improve indices of afternoon physical and cognitive performance in professional male cricketers. <i>Journal of Science and Medicine in Sport</i> , 2022, 25, 162-166.	1.3	5
87	No thermoregulatory or ergogenic effect of dietary nitrate among physically inactive males, exercising above gas exchange threshold in hot and dry conditions. <i>European Journal of Sport Science</i> , 2021, 21, 370-378.	2.7	4
88	The Effect of Dietary Supplements on Endurance Exercise Performance and Core Temperature in Hot Environments: A Meta-analysis and Meta-regression. <i>Sports Medicine</i> , 2021, 51, 2351-2371.	6.5	4
89	Printed Nanocarbon Heaters for Stretchable Sport and Leisure Garments. <i>Materials</i> , 2022, 15, 573.	2.9	4
90	Concussion-Associated Gene Variant COMT rs4680 Is Associated With Elite Rugby Athlete Status. <i>Clinical Journal of Sport Medicine</i> , 2023, 33, e145-e151.	1.8	4

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91	Concussion-Associated Polygenic Profiles of Elite Male Rugby Athletes. <i>Genes</i> , 2022, 13, 820.	2.4	4
92	Gene variants previously associated with reduced soft tissue injury risk: Part 1 “ independent associations with elite status in rugby. <i>European Journal of Sport Science</i> , 2023, 23, 726-735.	2.7	2
93	Response to Comment on: “Effects of Heat Acclimation and Acclimatisation on Maximal Aerobic Capacity Compared to Exercise Alone in Both Thermoneutral and Hot Environments: A Meta-Analysis and Meta-Regression” <i>Sports Medicine</i> , 2021, , 1.	6.5	2
94	The MMAAS Project: An Observational Human Study Investigating the Effect of Anabolic Androgenic Steroid Use on Gene Expression and the Molecular Mechanism of Muscle Memory. <i>Clinical Journal of Sport Medicine</i> , 2023, 33, e115-e122.	1.8	2
95	The neuromuscular, physiological, endocrine and perceptual responses to different training session orders in international female netball players. <i>European Journal of Sport Science</i> , 2022, 22, 314-325.	2.7	1
96	Acute physiological and perceptual responses to a netball specific training session in professional female netball players. <i>PLoS ONE</i> , 2022, 17, e0263772.	2.5	1
97	The between-week reliability of neuromuscular, endocrine, and mood markers in soccer players and the repeatability of the movement demands during small-sided games. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, , .	0.7	1
98	Position-specific countermovement jump characteristics of elite Women’s Rugby World Cup 2017 athletes. <i>Movement and Sports Sciences - Science Et Motricite</i> , 2021, , .	0.3	0
99	A new energetics model for the assessment of the power-duration relationship during overground running. <i>European Journal of Sport Science</i> , 2022, 22, 1211-1221.	2.7	0