Blair Crewther

List of Publications by Year
in descending order

94	3,344	147566	155451
papers	citations	31 h-index	55 g-index

95	95	95	3301
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A wearable multisensing patch for continuous sweat monitoring. Biosensors and Bioelectronics, 2017, 93, 139-145.	5.3	311
2	Digit Ratio (2D:4D): A Biomarker for Prenatal Sex Steroids and Adult Sex Steroids in Challenge Situations. Frontiers in Endocrinology, 2014, 5, 9.	1.5	185
3	Possible Stimuli for Strength and Power Adaptation. Sports Medicine, 2005, 35, 967-989.	3.1	156
4	Possible Stimuli for Strength and Power Adaptation. Sports Medicine, 2006, 36, 215-238.	3.1	142
5	Two Emerging Concepts for Elite Athletes. Sports Medicine, 2011, 41, 103-123.	3.1	142
6	Relationships Between Forceâ€“Time Characteristics of the Isometric Midthigh Pull and Dynamic Performance in Professional Rugby League Players. Journal of Strength and Conditioning Research, 2011, 25, 3070-3075.	1.0	129
7	The Acute Potentiating Effects of Back Squats on Athlete Performance. Journal of Strength and Conditioning Research, 2011, 25, 3319-3325.	1.0	95
8	Quantifying positional and temporal movement patterns in professional rugby union using global positioning system. European Journal of Sport Science, 2015, 15, 488-496.	1.4	94
9	Validating Two Systems for Estimating Force and Power. International Journal of Sports Medicine, 2011, 32, 254-258.	0.8	81
10	Morning based strength training improves afternoon physical performance in rugby union players. Journal of Science and Medicine in Sport, 2014, 17, 317-321.	0.6	76
11	Monitoring Training Load, Recovery-Stress State, Immune-Endocrine Responses, and Physical Performance in Elite Female Basketball Players During a Periodized Training Program. Journal of Strength and Conditioning Research, 2014, 28, 2973-2980.	1.0	76
12	Neuromuscular Performance of Elite Rugby Union Players and Relationships With Salivary Hormones. Journal of Strength and Conditioning Research, 2009, 23, 2046-2053.	1.0	74
13	The Salivary Testosterone and Cortisol Response to Three Loading Schemes. Journal of Strength and Conditioning Research, 2008, 22, 250-255.	1.0	72
14	The effects of different pre-game motivational interventions on athlete free hormonal state and subsequent performance in professional rugby union matches. Physiology and Behavior, 2012, 106, 683-688.	1.0	64
15	Changes in salivary testosterone concentrations and subsequent voluntary squat performance following the presentation of short video clips. Hormones and Behavior, 2012, 61, 17-22.	1.0	61
16	Effect of Competition on Salivary Cortisol, Immunoglobulin A, and Upper Respiratory Tract Infections in Elite Young Soccer Players. Journal of Strength and Conditioning Research, 2012, 26, 1396-1401.	1.0	60
17	Skill execution and sleep deprivation: effects of acute caffeine or creatine supplementation - a randomized placebo-controlled trial. Journal of the International Society of Sports Nutrition, 2011, 8, 2.	1.7	58
18	Neuromuscular Function, Hormonal, and Mood Responses to a Professional Rugby Union Match. Journal of Strength and Conditioning Research, 2014, 28, 194-200.	1.0	57

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19	Influence of post-warm-up recovery time on swim performance in international swimmers. Journal of Science and Medicine in Sport, 2013, 16, 172-176.	0.6	55
20	Possible Stimuli for Strength and Power Adaptation. Sports Medicine, 2006, 36, 65-78.	3.1	52
21	Gravitational forces and whole body vibration: implications for prescription of vibratory stimulation. Physical Therapy in Sport, 2004, 5, 37-43.	0.8	50
22	Effects of Resisted Sprint Training on Acceleration in Professional Rugby Union Players. Journal of Strength and Conditioning Research, 2013, 27, 1014-1018.	1.0	50
23	Influence of competition playing venue on the hormonal responses, state anxiety and perception of effort in elite basketball athletes. Physiology and Behavior, 2014, 130, 1-5.	1.0	47
24	Digit Ratio (2D:4D), Aggression, and Testosterone in Men Exposed to an Aggressive Video Stimulus. Evolutionary Psychology, 2013, 11, 953-964.	0.6	46
25	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.	1.0	44
26	The Effects of Training Volume and Competition on the Salivary Cortisol Concentrations of Olympic Weightlifters. Journal of Strength and Conditioning Research, 2011, 25, 10-15.	1.0	43
27	Influence of Ballistic Bench Press on Upper Body Power Output in Professional Rugby Players. Journal of Strength and Conditioning Research, 2013, 27, 2282-2287.	1.0	42
28	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.	0.8	42
29	Rightâ€“left digit ratio (2D:4D) predicts free testosterone levels associated with a physical challenge. Journal of Sports Sciences, 2013, 31, 677-683.	1.0	41
30	A comparison of ratio and allometric scaling methods for normalizing power and strength in elite rugby union players. Journal of Sports Sciences, 2009, 27, 1575-1580.	1.0	36
31	Basal and stressâ€induced salivary testosterone variation across the menstrual cycle and linkage to motivation and muscle power. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 1345-1353.	1.3	35
32	Relationship Between Pregame Concentrations of Free Testosterone and Outcome in Rugby Union. International Journal of Sports Physiology and Performance, 2014, 9, 324-331.	1.1	34
33	Comparison of baseline free testosterone and cortisol concentrations between elite and nonâ€elite female athletes. American Journal of Human Biology, 2012, 24, 856-858.	0.8	32
34	The Ratio and Allometric Scaling of Speed, Power, and Strength in Elite Male Rugby Union Players. Journal of Strength and Conditioning Research, 2011, 25, 1968-1975.	1.0	31
35	Temporal associations between individual changes in hormones, training motivation and physical performance in elite and non-elite trained men. Biology of Sport, 2016, 33, 215-221.	1.7	31
36	Skill acquisition and stress adaptations following laparoscopic surgery training and detraining in novice surgeons. Surgical Endoscopy and Other Interventional Techniques, 2016, 30, 2961-2968.	1.3	30

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37	Hormonal Responses to Different Resistance Exercise Schemes of Similar Total Volume. Journal of Strength and Conditioning Research, 2009, 23, 2003-2008.	1.0	29
38	Health and Fitness Benefits of a Resistance Training Intervention Performed in the Workplace. Journal of Strength and Conditioning Research, 2012, 26, 811-817.	1.0	29
39	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.	1.0	29
40	Training volume and strength and power development. Journal of Science and Medicine in Sport, 2004, 7, 144-155.	0.6	26
41	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.	1.0	26
42	Salivary Hormone and Immune Responses to Three Resistance Exercise Schemes in Elite Female Athletes. Journal of Strength and Conditioning Research, 2011, 25, 2322-2327.	1.0	24
43	The Effects of Short-Cycle Sprints on Power, Strength, and Salivary Hormones in Elite Rugby Players. Journal of Strength and Conditioning Research, 2011, 25, 32-39.	1.0	23
44	A longitudinal analysis of salivary testosterone concentrations and competitiveness in elite and non-elite women athletes. Physiology and Behavior, 2018, 188, 157-161.	1.0	23
45	Neuromuscular, physiological and endocrine responses to a maximal speed training session in elite games players. European Journal of Sport Science, 2015, 15, 550-556.	1.4	22
46	Measuring Recovery in Elite Rugby Players: The Brief Assessment of Mood, Endocrine Changes, and Power. Research Quarterly for Exercise and Sport, 2015, 86, 379-386.	0.8	22
47	Effects of different post-match recovery interventions on subsequent athlete hormonal state and game performance. Physiology and Behavior, 2012, 106, 471-475.	1.0	21
48	Validating the salivary testosterone and cortisol concentration measures in response to short high-intensity exercise. Journal of Sports Medicine and Physical Fitness, 2010, 50, 85-92.	0.4	21
49	Is salivary cortisol moderating the relationship between salivary testosterone and handâ€grip strength in healthy men?. European Journal of Sport Science, 2017, 17, 188-194.	1.4	20
50	Physiological and Performance Effects of Caffeine Gum Consumed During a Simulated Half-Time by Professional Academy Rugby Union Players. Journal of Strength and Conditioning Research, 2020, 34, 145-151.	1.0	20
51	Are free testosterone and cortisol concentrations associated with training motivation in elite male athletes?. Psychology of Sport and Exercise, 2013, 14, 882-885.	1.1	19
52	The Contribution of Volume, Technique, and Load to Single-Repetition and Total-Repetition Kinematics and Kinetics in Response to Three Loading Schemes. Journal of Strength and Conditioning Research, 2008, 22, 1908-1915.	1.0	15
53	Monitoring salivary testosterone and cortisol concentrations across an international sports competition: Data comparison using two enzyme immunoassays and two sample preparations. Clinical Biochemistry, 2013, 46, 354-358.	0.8	14
54	The digit ratio (2D:4D) relationship with testosterone is moderated by physical training: Evidence of prenatal organizational influences on activational patterns of adult testosterone in physically-active women. Early Human Development, 2019, 131, 51-55.	0.8	14

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55	Three DNA Polymorphisms Previously Identified as Markers for Handgrip Strength Are Associated With Strength in Weightlifters and Muscle Fiber Hypertrophy. Journal of Strength and Conditioning Research, 2019, 33, 2602-2607.	1.0	14
56	Digit ratio (2D:4D), aggression, and testosterone in men exposed to an aggressive video stimulus. Evolutionary Psychology, 2013, 11, 953-64.	0.6	14
57	Prior sprint cycling did not enhance training adaptation, but resting salivary hormones were related to workout power and strength. European Journal of Applied Physiology, 2009, 105, 919-927.	1.2	13
58	Serum cortisol as a moderator of the relationship between serum testosterone and Olympic weightlifting performance in real and simulated competitions. Biology of Sport, 2018, 35, 215-221.	1.7	13
59	The impact of a competitive learning environment on hormonal and emotional stress responses and skill acquisition and expression in a medical student domain. Physiology and Behavior, 2019, 199, 252-257.	1.0	13
60	Measuring the Salivary Testosterone and Cortisol Concentrations of Weightlifters Using an Enzyme-Immunoassay Kit. International Journal of Sports Medicine, 2010, 31, 486-489.	0.8	12
61	Can salivary testosterone and cortisol reactivity to a mid-week stress test discriminate a match outcome during international rugby union competition?. Journal of Science and Medicine in Sport, 2018, 21, 312-316.	0.6	12
62	The Metabolic, Hormonal, Biochemical, and Neuromuscular Function Responses to a Backward Sled Drag Training Session. Journal of Strength and Conditioning Research, 2014, 28, 265-272.	1.0	10
63	Salivary testosterone responses to a physical and psychological stimulus and subsequent effects on physical performance in healthy adults. Hormones, 2016, 15, 248-255.	0.9	10
64	The Effect of Steroid Hormones on the Physical Performance of Boys and Girls During an Olympic Weightlifting Competition. Pediatric Exercise Science, 2016, 28, 580-587.	0.5	10
65	Trained and untrained males show reliable salivary testosterone responses to a physical stimulus, but not a psychological stimulus. Journal of Endocrinological Investigation, 2014, 37, 1065-1072.	1.8	9
66	The effect of oral contraceptive use on salivary testosterone concentrations and athlete performance during international field hockey matches. Journal of Science and Medicine in Sport, 2018, 21, 453-456.	0.6	9
67	The social environment during a post-match video presentation affects the hormonal responses and playing performance in professional male athletes. Physiology and Behavior, 2014, 130, 170-175.	1.0	8
68	The effects of two equal-volume training protocols upon strength, body composition and salivary hormones in male rugby union players. Biology of Sport, 2016, 33, 111-116.	1.7	8
69	Short-Term d-Aspartic Acid Supplementation Does Not Affect Serum Biomarkers Associated With the Hypothalamicâ€“Pituitaryâ€“Gonadal Axis in Male Climbers. International Journal of Sport Nutrition and Exercise Metabolism, 2019, 29, 259-264.	1.0	8
70	A longitudinal investigation of bidirectional and time-dependent interrelationships between testosterone and training motivation in an elite rugby environment. Hormones and Behavior, 2020, 126, 104866.	1.0	8
71	Menstrual variation in the acute testosterone and cortisol response to laboratory stressors correlate with baseline testosterone fluctuations at a within- and between-person level. Stress, 2021, 24, 1-10.	0.8	8
72	Within- and between-person variation in morning testosterone is associated with economic risk-related decisions in athletic women across the menstrual cycle. Hormones and Behavior, 2019, 112, 77-80.	1.0	7

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73	Testosterone and Dihydrotestosterone Changes in Male and Female Athletes Relative to Training Status. International Journal of Sports Physiology and Performance, 2021, 16, 1700-1706.	1.1	7
74	Vitamin D and Cortisol as Moderators of the Relationship Between Testosterone and Exercise Performance in Adolescent Male Athletes. Pediatric Exercise Science, 2020, 32, 204-209.	0.5	7
75	The utility of salivary testosterone and cortisol concentration measures for assessing the stress responses of junior athletes during a sporting competition. Journal of Clinical Laboratory Analysis, 2018, 32, .	0.9	6
76	Digit ratio (2D:4D) and testosterone supplementation. Early Human Development, 2019, 139, 104843.	0.8	6
77	Relationships between salivary testosterone and cortisol concentrations and training performance in Olympic weightlifters. Journal of Sports Medicine and Physical Fitness, 2010, 50, 371-5.	0.4	6
78	The effects of a resistance-training program on strength, body composition and baseline hormones in male athletes training concurrently for rugby union 7's. Journal of Sports Medicine and Physical Fitness, 2013, 53, 34-41.	0.4	6
79	Profiling visual and verbal stress responses using electrodermal heart rate and hormonal measures. , 2013, , .		5
80	Performance indicators during international rugby union matches are influenced by a combination of physiological and contextual variables. Journal of Science and Medicine in Sport, 2020, 23, 396-402.	0.6	5
81	Diurnal Within-Person Coupling Between Testosterone and Cortisol in Healthy Men: Evidence of Positive and Bidirectional Time-Lagged Associations Using a Continuous-Time Model. Adaptive Human Behavior and Physiology, 2021, 7, 89-104.	0.6	5
82	Impact of one HF-rTMS session over the DLPFC and motor cortex on acute hormone dynamics and emotional state in healthy adults: a sham-controlled pilot study. Neurological Sciences, 2022, 43, 651-659.	0.9	5
83	Relationship between match statistics, game outcome and pre-match hormonal state in professional rugby union. International Journal of Performance Analysis in Sport, 2013, 13, 522-534.	0.5	4
84	Medical students preferring a surgical or non-surgical elective differ in their emotional and hormonal responses to a psychological stressor. American Journal of Surgery, 2020, 219, 604-607.	0.9	4
85	Relationships between salivary free testosterone and the expression of force and power in elite athletes. Journal of Sports Medicine and Physical Fitness, 2012, 52, 221-7.	0.4	4
86	The salivary testosterone response to a chance-determined contest is associated with face-gazing behaviours in athletic women. Hormones and Behavior, 2018, 103, 107-110.	1.0	3
87	Individual variation in the cortisol response to a simulated Olympic weightlifting competition is related to changes in future competitive performance. Biology of Sport, 2019, 36, 133-139.	1.7	3
88	The impact of menstrual-cycle phase on basal and exercise-induced hormones, mood, anxiety and exercise performance in physically active women. Journal of Sports Medicine and Physical Fitness, 2021, 61, 461-467.	0.4	3
89	Modest Exercise-Induced Increases in Testosterone Concentration Are Not Associated with Mating Strategy Change in Healthy Young Men. Evolutionary Psychological Science, 2021, 7, 298-303.	0.8	3
90	Validity of two kinematic systems for calculating force and power during squat jumps. British Journal of Sports Medicine, 2010, 44, i26-i26.	3.1	3

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91	The digit ratio (2D:4D) and testosterone co-predict vertical jump performance in athletic boys: Evidence of organizational and activational effects of testosterone on physical fitness. Physiology and Behavior, 2022, 251, 113816.	1.0	2
92	Measuring the Salivary Testosterone and Cortisol Concentrations of Weightlifters Using an Enzyme-Immunoassay Kit. International Journal of Sports Medicine, 2010, 31, 489-489.	0.8	0
93	Contemporaneous and temporal interrelationships between menstrual fluctuations in sex hormones and DXA estimates of body composition in a premenopausal female: a case study. Journal of Sports Medicine and Physical Fitness, 2021, 61, 1423-1428.	0.4	0
94	Effects of training and competition on the salivary cortisol concentrations of weightlifters. British Journal of Sports Medicine, 2010, 44, i22-i22.	3.1	0