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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Digit ratio (2D:4D) and testosterone supplementation. Early Human Development, 2019, 139, 104843.	0.8	6
16	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
17	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
18	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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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	A wearable multisensing patch for continuous sweat monitoring. Biosensors and Bioelectronics, 2017, 93, 139-145.	5.3	311
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Profiling visual and verbal stress responses using electrodermal heart rate and hormonal measures. , 2013, , .		5
52	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
53	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
54	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

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55	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
56	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
57	Digit Ratio (2D:4D), Aggression, and Testosterone in Men Exposed to an Aggressive Video Stimulus. Evolutionary Psychology, 2013, 11, 953-964.	0.6	46
58	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
59	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
60	Digit ratio (2D:4D), aggression, and testosterone in men exposed to an aggressive video stimulus. Evolutionary Psychology, 2013, 11, 953-64.	0.6	14
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	Two Emerging Concepts for Elite Athletes. Sports Medicine, 2011, 41, 103-123.	3.1	142
70	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
71	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
72	The Acute Potentiating Effects of Back Squats on Athlete Performance. Journal of Strength and Conditioning Research, 2011, 25, 3319-3325.	1.0	95

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73	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
74	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
75	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
76	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
77	Validating Two Systems for Estimating Force and Power. International Journal of Sports Medicine, 2011, 32, 254-258.	0.8	81
78	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
79	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
80	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
81	Effects of training and competition on the salivary cortisol concentrations of weightlifters. British Journal of Sports Medicine, 2010, 44, i22-i22.	3.1	0
82	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
83	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
84	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
85	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
86	Hormonal Responses to Different Resistance Exercise Schemes of Similar Total Volume. Journal of Strength and Conditioning Research, 2009, 23, 2003-2008.	1.0	29
87	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
88	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
89	The Salivary Testosterone and Cortisol Response to Three Loading Schemes. Journal of Strength and Conditioning Research, 2008, 22, 250-255.	1.0	72
90	Possible Stimuli for Strength and Power Adaptation. Sports Medicine, 2006, 36, 215-238.	3.1	142

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91	Possible Stimuli for Strength and Power Adaptation. Sports Medicine, 2006, 36, 65-78.	3.1	52
92	Possible Stimuli for Strength and Power Adaptation. Sports Medicine, 2005, 35, 967-989.	3.1	156
93	Gravitational forces and whole body vibration: implications for prescription of vibratory stimulation. Physical Therapy in Sport, 2004, 5, 37-43.	0.8	50
94	Training volume and strength and power development. Journal of Science and Medicine in Sport, 2004, 7, 144-155.	0.6	26