FerrÃ¡n AgustÃ-n RodrÃ-guez

List of Publications by Year
in descending order

59 papers	1,611 citations	304368 22 h-index	315357 38 g-index
60 all docs	60 docs citations	60 times ranked	1754 citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring Stressâ€“Recovery Balance with Heart Rate Variability and Perceptual Load Markers During a Competitive Micro-cycle in Elite Ski Mountaineers. Journal of Science in Sport and Exercise, 2020, 2, 132-144.	0.4	3
2	Validity of Heart Rate-Based Models for Estimating Oxygen Uptake During Tennis Play. Journal of Strength and Conditioning Research, 2020, 34, 3208-3216.	1.0	1
3	Physiological demands of standing and wheelchair fencing in able-bodied fencers. Journal of Sports Medicine and Physical Fitness, 2019, 59, 569-574.	0.4	6
4	New Approaches for On-court Endurance Testing and Conditioning in Competitive Tennis Players. Strength and Conditioning Journal, 2019, 41, 9-16.	0.7	6
5	Oxidative stress in elite athletes training at moderate altitude and at sea level. European Journal of Sport Science, 2018, 18, 832-841.	1.4	15
6	Bioelectrical impedance vector analysis (BIVA) in sport and exercise: Systematic review and future perspectives. PLoS ONE, 2018, 13, e0197957.	1.1	78
7	Blood lactate accumulation during competitive freediving and synchronized swimming. Undersea and Hyperbaric Medicine, 2018, 45, 55-63.	0.1	14
8	Maximal Aerobic Frequency of Ball Hitting: A New Training Load Parameter in Tennis. Journal of Strength and Conditioning Research, 2017, 31, 106-114.	1.0	6
9	Validity of Postexercise Measurements to Estimate Peak VO2 in 200-m and 400-m Maximal Swims. International Journal of Sports Medicine, 2017, 38, 426-438.	0.8	9
10	Oxygen Uptake Kinetics Is Slower in Swimming Than Arm Cranking and Cycling during Heavy Intensity. Frontiers in Physiology, 2017, 8, 639.	1.3	5
11	Assessment of Heart Rate Variability during an Endurance Mountain Trail Race by Multi-Scale Entropy Analysis. Entropy, 2017, 19, 658.	1.1	7
12	Bioelectrical impedance vector analysis (BIVA) for measuring the hydration status in young elite synchronized swimmers. PLoS ONE, 2017, 12, e0178819.	1.1	41
13	RelaciÃ³n entre parÃ¡metros tÃ©cnicos y fisiolÃ³gicos en tenistas de competiciÃ³n / Relationship Between Technical and Physiological Parameters in Competition Tennis Players. Revista Internacional De Medicina Y Ciencias De La Actividad Fisica Y Del Deporte, 2016, 62, 243-255.	0.1	0
14	A New Model for Estimating Peak Oxygen Uptake Based on Postexercise Measurements in Swimming. International Journal of Sports Physiology and Performance, 2016, 11, 419-424.	1.1	12
15	Aerobic Fitness and Technical Efficiency at High Intensity Discriminate between Elite and Subelite Tennis Players. International Journal of Sports Medicine, 2016, 37, 848-854.	0.8	13
16	Estimating peak oxygen uptake based on postexercise measurements in swimming. Applied Physiology, Nutrition and Metabolism, 2016, 41, 588-596.	0.9	8
17	VO2 Kinetics in All-out Arm Stroke, Leg Kick and Whole Stroke Front Crawl 100-m Swimming. International Journal of Sports Medicine, 2016, 37, 191-196.	0.8	12
18	Heart Rate Deflection Point Relates to Second Ventilatory Threshold in a Tennis Test. Journal of Strength and Conditioning Research, 2015, 29, 765-771.	1.0	7

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19	Altitude Training in Elite Swimmers for Sea Level Performance (Altitude Project). Medicine and Science in Sports and Exercise, 2015, 47, 1965-1978.	0.2	48
20	Tennis Play Intensity Distribution and Relation with Aerobic Fitness in Competitive Players. PLoS ONE, 2015, 10, e0131304.	1.1	32
21	Exercise modality effect on oxygen uptake offâ€transient kinetics at maximal oxygen uptake intensity. Experimental Physiology, 2015, 100, 719-729.	0.9	21
22	The effects of intensity on VÌ‡O₂ kinetics during incremental free swimming. Applied Physiology, Nutrition and Metabolism, 2015, 40, 918-923.	0.9	18
23	Training load quantification in elite swimmers using a modified version of the training impulse method. European Journal of Sport Science, 2015, 15, 85-93.	1.4	30
24	PHYSIOLOGICAL DEMANDS OF YOUNG WOMENâ€™S COMPETITIVE GYMNASTIC ROUTINES. Biology of Sport, 2014, 31, 217-222.	1.7	20
25	Perceived Exertion, Time of Immersion and Physiological Correlates in Synchronized Swimming. International Journal of Sports Medicine, 2014, 35, 403-411.	0.8	11
26	Intensity Profile during an Ultra-endurance Triathlon in Relation to Testing and Performance. International Journal of Sports Medicine, 2014, 35, 1170-1178.	0.8	14
27	Monitoring Internal Load Parameters During Competitive Synchronized Swimming Duet Routines in Elite Athletes. Journal of Strength and Conditioning Research, 2014, 28, 742-751.	1.0	16
28	On-Court Endurance and Performance Testing in Competitive Male Tennis Players. Journal of Strength and Conditioning Research, 2014, 28, 256-264.	1.0	33
29	Isometric knee extensor fatigue following a Wingate test: peripheral and central mechanisms. Scandinavian Journal of Medicine and Science in Sports, 2013, 23, 57-65.	1.3	56
30	USEFULNESS AND METABOLIC IMPLI-CATIONS OF A 60-SECOND REPEATED JUMPS TEST AS A PREDICTOR OF ACROBATIC JUMPING PERFORMANCE IN GYMNASTS. Biology of Sport, 2013, 30, 9-16.	1.7	4
31	Plyometric Jumping Performances of Male and Female Gymnasts From Different Heights. Journal of Strength and Conditioning Research, 2012, 26, 1879-1886.	1.0	18
32	Nutritional behavior of cyclists during a 24-hour team relay race: a field study report. Journal of the International Society of Sports Nutrition, 2012, 9, 3.	1.7	20
33	Physiological Responses in Relation to Performance during Competition in Elite Synchronized Swimmers. PLoS ONE, 2012, 7, e49098.	1.1	32
34	Effect of Equated Continuous and Interval Running Programs on Endurance Performance and Jump Capacity. Journal of Strength and Conditioning Research, 2011, 25, 2205-2211.	1.0	16
35	Reliability of Squat and Countermovement Jump Tests in Children 6 to 8 Years of Age. Pediatric Exercise Science, 2011, 23, 151-160.	0.5	34
36	New indices for quantification of the power spectrum of heart rate variability time series without the need of any frequency band definition. Physiological Measurement, 2011, 32, 995-1009.	1.2	4

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37	Acute Administration of Inorganic Nitrate Reduces VË™O2peak in Endurance Athletes. Medicine and Science in Sports and Exercise, 2011, 43, 1979-1986.	0.2	102
38	VË™O‹sub›2‹/sub›Kinetics in 200-m Race-Pace Front Crawl Swimming. International Journal of Sports Medicine, 2011, 32, 765-770.	0.8	25
39	VO2 Off Transient Kinetics in Extreme Intensity Swimming. Journal of Sports Science and Medicine, 2011, 10, 546-52.	0.7	4
40	A Multivariate Analysis of Performance in Young Swimmers. Pediatric Exercise Science, 2010, 22, 135-151.	0.5	64
41	Physiological, biomechanical and anthropometrical predictors of sprint swimming performance in adolescent swimmers. Journal of Sports Science and Medicine, 2010, 9, 398-404.	0.7	53
42	The effect of intermittent hypobaric hypoxic exposure and sea level training on submaximal economy in well-trained swimmers and runners. Journal of Applied Physiology, 2008, 104, 328-337.	1.2	28
43	Relationship between health-related fitness and educational and income levels in Spanish women. Public Health, 2008, 122, 794-800.	1.4	13
44	Validity of a Swimming Snorkel for Metabolic Testing. International Journal of Sports Medicine, 2008, 29, 120-128.	0.8	28
45	Intermittent hypobaric hypoxia exposure does not cause sustained alterations in autonomic control of blood pressure in young athletes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R1977-R1984.	0.9	32
46	Intermittent hypoxia exposure in a hypobaric chamber and erythropoietin abuse interpretation. Journal of Sports Sciences, 2007, 25, 1241-1250.	1.0	11
47	Performance of runners and swimmers after four weeks of intermittent hypobaric hypoxic exposure plus sea level training. Journal of Applied Physiology, 2007, 103, 1523-1535.	1.2	53
48	Increased serum erythropoietin but not red cell production after 4 wk of intermittent hypobaric hypoxia (4,000â€“5,500 m). Journal of Applied Physiology, 2006, 101, 1386-1393.	1.2	112
49	Ventilatory Acclimatization to Intermittent Hypoxia in Well-Trained Runners and Swimmers. Medicine and Science in Sports and Exercise, 2004, 36, S337.	0.2	6
50	The Effect Of Intermittent Hypobaric Hypoxic Exposure On Economy In Runners And Swimmers. Medicine and Science in Sports and Exercise, 2004, 36, s338.	0.2	4
51	Effects of Four Weeks of Intermittent Hypobaric Hypoxia on Sea Level Running and Swimming Performance. Medicine and Science in Sports and Exercise, 2004, 36, S338.	0.2	5
52	Respiratory snorkel and valve system for breath-by-breath gas analysis in swimming. Scandinavian Journal of Medicine and Science in Sports, 2003, 13, 322-329.	1.3	54
53	EFFECTS OF INTERMITTENT HYPOBARIC HYPOXIA AND ALTITUDE TRAINING ON PHYSIOLOGICAL AND PERFORMANCE PARAMETERS IN SWIMMERS. Medicine and Science in Sports and Exercise, 2003, 35, S115.	0.2	9
54	Increased blood ammonia in hypoxia during exercise in humans. Journal of Physiology and Biochemistry, 2001, 57, 303-312.	1.3	10

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55	Acclimatization Near Home? Early Respiratory Changes After Short-Term Intermittent Exposure to Simulated Altitude. Wilderness and Environmental Medicine, 2000, 11, 84-88.	0.4	47
56	Erythropoietin acute reaction and haematological adaptations to short, intermittent hypobaric hypoxia. European Journal of Applied Physiology, 2000, 82, 170-177.	1.2	120
57	Intermittent hypobaric hypoxia stimulates erythropoiesis and improves aerobic capacity. Medicine and Science in Sports and Exercise, 1999, 31, 264-268.	0.2	112
58	New evidence from magnetic resonance imaging of brain changes after climbs at extreme altitude. European Journal of Applied Physiology and Occupational Physiology, 1995, 70, 477-481.	1.2	32
59	A Comparative Study of Blood Lactate Analytic Methods. International Journal of Sports Medicine, 1992, 13, 462-466.	0.8	14