

Enrique Garcia Artero

List of Publications by Citations

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89
papers

5,245
citations

34
h-index

72
g-index

96
ext. papers

6,122
ext. citations

4.6
avg, IF

5.16
L-index

#	Paper	IF	Citations
89	Predictive validity of health-related fitness in youth: a systematic review. <i>British Journal of Sports Medicine</i> , 2009 , 43, 909-23	10.3	474
88	Long-term effects of changes in cardiorespiratory fitness and body mass index on all-cause and cardiovascular disease mortality in men: the Aerobics Center Longitudinal Study. <i>Circulation</i> , 2011 , 124, 2483-90	16.7	401
87	Mortality trends in the general population: the importance of cardiorespiratory fitness. <i>Journal of Psychopharmacology</i> , 2010 , 24, 27-35	4.6	336
86	Field-based fitness assessment in young people: the ALPHA health-related fitness test battery for children and adolescents. <i>British Journal of Sports Medicine</i> , 2011 , 45, 518-24	10.3	330
85	Criterion-related validity of field-based fitness tests in youth: a systematic review. <i>British Journal of Sports Medicine</i> , 2010 , 44, 934-43	10.3	267
84	Effects of muscular strength on cardiovascular risk factors and prognosis. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2012 , 32, 351-8	3.6	250
83	Physical fitness levels among European adolescents: the HELENA study. <i>British Journal of Sports Medicine</i> , 2011 , 45, 20-9	10.3	226
82	Reliability of health-related physical fitness tests in European adolescents. The HELENA Study. <i>International Journal of Obesity</i> , 2008 , 32 Suppl 5, S49-57	5.5	218
81	Assessing muscular strength in youth: usefulness of standing long jump as a general index of muscular fitness. <i>Journal of Strength and Conditioning Research</i> , 2010 , 24, 1810-7	3.2	191
80	The obesity paradox, cardiorespiratory fitness, and coronary heart disease. <i>Mayo Clinic Proceedings</i> , 2012 , 87, 443-51	6.4	174
79	A prospective study of muscular strength and all-cause mortality in men with hypertension. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 1831-7	15.1	170
78	Muscular and cardiorespiratory fitness are independently associated with metabolic risk in adolescents: the HELENA study. <i>Pediatric Diabetes</i> , 2011 , 12, 704-12	3.6	159
77	Reliability of field-based fitness tests in youth. <i>International Journal of Sports Medicine</i> , 2011 , 32, 159-69	3.6	144
76	Elbow position affects handgrip strength in adolescents: validity and reliability of Jamar, DynEx, and TKK dynamometers. <i>Journal of Strength and Conditioning Research</i> , 2010 , 24, 272-7	3.2	126
75	Health-related fitness in adolescents: underweight, and not only overweight, as an influencing factor. The AVENA study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010 , 20, 418-27	4.6	112
74	Systematic review and proposal of a field-based physical fitness-test battery in preschool children: the PREFIT battery. <i>Sports Medicine</i> , 2015 , 45, 533-55	10.6	109
73	Maximal estimated cardiorespiratory fitness, cardiometabolic risk factors, and metabolic syndrome in the aerobics center longitudinal study. <i>Mayo Clinic Proceedings</i> , 2013 , 88, 259-70	6.4	90

72	Hand span influences optimal grip span in boys and girls aged 6 to 12 years. <i>Journal of Hand Surgery</i> , 2008 , 33, 378-84	2.6	80
71	Longitudinal algorithms to estimate cardiorespiratory fitness: associations with nonfatal cardiovascular disease and disease-specific mortality. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 2289-96	15.1	73
70	Assessing health-related fitness tests in the school setting: reliability, feasibility and safety; the ALPHA Study. <i>International Journal of Sports Medicine</i> , 2010 , 31, 490-7	3.6	63
69	Ideal cardiovascular health and mortality: Aerobics Center Longitudinal Study. <i>Mayo Clinic Proceedings</i> , 2012 , 87, 944-52	6.4	62
68	Cardiorespiratory fitness and ideal cardiovascular health in European adolescents. <i>Heart</i> , 2015 , 101, 766-73	5.3	61
67	Climbing time to exhaustion is a determinant of climbing performance in high-level sport climbers. <i>European Journal of Applied Physiology</i> , 2009 , 107, 517-25	3.4	60
66	Longitudinal cardiorespiratory fitness algorithms for clinical settings. <i>American Journal of Preventive Medicine</i> , 2012 , 43, 512-9	6.1	58
65	Muscular fitness, fatness and inflammatory biomarkers in adolescents. <i>Pediatric Obesity</i> , 2014 , 9, 391-400	4.6	47
64	Self-reported physical activity in European adolescents: results from the HELENA (Healthy Lifestyle in Europe by Nutrition in Adolescence) study. <i>Public Health Nutrition</i> , 2011 , 14, 246-54	3.3	43
63	A prospective study of ideal cardiovascular health and depressive symptoms. <i>Psychosomatics</i> , 2013 , 54, 525-35	2.6	42
62	Aquatic therapy improves pain, disability, quality of life, body composition and fitness in sedentary adults with chronic low back pain. A controlled clinical trial. <i>Clinical Rehabilitation</i> , 2014 , 28, 350-60	3.3	40
61	Association of Resistance Exercise, Independent of and Combined With Aerobic Exercise, With the Incidence of Metabolic Syndrome. <i>Mayo Clinic Proceedings</i> , 2017 , 92, 1214-1222	6.4	40
60	Muscular Strength and Cardiovascular Disease: AN UPDATED STATE-OF-THE-ART NARRATIVE REVIEW. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2020 , 40, 302-309	3.6	36
59	Influence of socioeconomic factors on fitness and fatness in Spanish adolescents: the AVENA study. <i>Pediatric Obesity</i> , 2010 , 5, 467-73		35
58	Dietary indices, cardiovascular risk factors and mortality in middle-aged adults: findings from the Aerobics Center Longitudinal Study. <i>Annals of Epidemiology</i> , 2014 , 24, 297-303.e2	6.4	34
57	Fitness, fatness, and survival in adults with prediabetes. <i>Diabetes Care</i> , 2014 , 37, 529-36	14.6	32
56	Cardiorespiratory Fitness and Risk of Sudden Cardiac Death in Men and Women in the United States: A Prospective Evaluation From the Aerobics Center Longitudinal Study. <i>Mayo Clinic Proceedings</i> , 2016 , 91, 849-57	6.4	29
55	Effects of whole-body vibration and resistance training on knee extensors muscular performance. <i>European Journal of Applied Physiology</i> , 2012 , 112, 1371-8	3.4	26

54	Physical activity, fitness, and serum leptin concentrations in adolescents. <i>Journal of Pediatrics</i> , 2012 , 160, 598-603.e2	3.6	25
53	Body fat measurement in elite sport climbers: comparison of skinfold thickness equations with dual energy X-ray absorptiometry. <i>Journal of Sports Sciences</i> , 2009 , 27, 469-77	3.6	25
52	Body adiposity index and incident hypertension: the Aerobics Center Longitudinal Study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014 , 24, 969-75	4.5	23
51	Sedentary behaviour and clustered metabolic risk in adolescents: the HELENA study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013 , 23, 1017-24	4.5	22
50	Effects of Exercise Training on Weight Loss in Patients Who Have Undergone Bariatric Surgery: a Systematic Review and Meta-Analysis of Controlled Trials. <i>Obesity Surgery</i> , 2019 , 29, 3371-3384	3.7	19
49	Effects of different frequencies (2-3 days/week) of aquatic therapy program in adults with chronic low back pain. A non-randomized comparison trial. <i>Pain Medicine</i> , 2013 , 14, 145-58	2.8	19
48	Antioxidant vitamin status (A, E, C, and beta-carotene) in European adolescents - the HELENA Study. <i>International Journal for Vitamin and Nutrition Research</i> , 2011 , 81, 245-55	1.7	18
47	Grip strength cutpoints for youth based on a clinically relevant bone health outcome. <i>Archives of Osteoporosis</i> , 2018 , 13, 92	2.9	18
46	Muscle strength field-based tests to identify European adolescents at risk of metabolic syndrome: The HELENA study. <i>Journal of Science and Medicine in Sport</i> , 2019 , 22, 929-934	4.4	17
45	Body adiposity index and all-cause and cardiovascular disease mortality in men. <i>Obesity</i> , 2013 , 21, 1870-6		17
44	Breast-feeding modulates the influence of the peroxisome proliferator-activated receptor-gamma (PPARG2) Pro12Ala polymorphism on adiposity in adolescents: The Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) cross-sectional study. <i>Diabetes Care</i> , 2010 , 33, 190-6	14.6	17
43	Can differences in physical activity by socio-economic status in European adolescents be explained by differences in psychosocial correlates? A mediation analysis within the HELENA (Healthy Lifestyle in Europe by Nutrition in Adolescence) study. <i>Public Health Nutrition</i> , 2012 , 15, 2100-9	3.3	17
42	Physical activity: does environment make a difference for tension, stress, emotional outlook, and perceptions of health status?. <i>Journal of Physical Activity and Health</i> , 2014 , 11, 1503-11	2.5	16
41	Changes in Gastric Volume and Their Implications for Weight Loss after Laparoscopic Sleeve Gastrectomy. <i>Obesity Surgery</i> , 2017 , 27, 303-309	3.7	16
40	Physical Activity, Measures of Obesity, and Cardiometabolic Risk: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Physical Activity and Health</i> , 2014 , 11, 831-837	2.5	15
39	Longer breastfeeding is associated with increased lower body explosive strength during adolescence. <i>Journal of Nutrition</i> , 2010 , 140, 1989-95	4.1	15
38	Associations between objectively measured and self-reported sleep with academic and cognitive performance in adolescents: DADOS study. <i>Journal of Sleep Research</i> , 2019 , 28, e12811	5.8	12
37	The relative age effect on physical fitness in preschool children. <i>Journal of Sports Sciences</i> , 2020 , 38, 1506-1512	6.1	12

36	Criterion-related validity of field-based muscular fitness tests in youth. <i>Journal of Sports Medicine and Physical Fitness</i> , 2012 , 52, 263-72	1.4	12
35	The Effect of Physical Activity Interventions on Glycosylated Haemoglobin (HbA) in Non-diabetic Populations: A Systematic Review and Meta-analysis. <i>Sports Medicine</i> , 2018 , 48, 1151-1164	10.6	10
34	Effects on adolescents Lipid profile of a fitness-enhancing intervention in the school setting; the EDUFIT study. <i>Nutricion Hospitalaria</i> , 2013 , 28, 119-26	1	9
33	Breastfeeding in infancy is not associated with inflammatory status in healthy adolescents. <i>Journal of Nutrition</i> , 2011 , 141, 411-7	4.1	8
32	Regular Practice of Competitive Sports Does Not Impair Sleep in Adolescents: DADOS Study. <i>Pediatric Exercise Science</i> , 2018 , 30, 229-236	2	8
31	Supervised exercise following bariatric surgery in morbid obese adults: CERT-based exercise study protocol of the EFIBAR randomised controlled trial. <i>BMC Surgery</i> , 2019 , 19, 127	2.3	7
30	Role of cardiorespiratory fitness on the association between physical activity and abdominal fat content in adolescents: the HELENA study. <i>International Journal of Sports Medicine</i> , 2010 , 31, 679-82	3.6	7
29	Association of physical fitness and fatness with cognitive function in women with fibromyalgia. <i>Journal of Sports Sciences</i> , 2016 , 34, 1731-9	3.6	6
28	Disability predictors in chronic low back pain after aquatic exercise. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2014 , 93, 615-23	2.6	6
27	Physical activity, measures of obesity, and cardiometabolic risk: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Physical Activity and Health</i> , 2014 , 11, 831-7	2.5	6
26	Replicability of exercise programs following bariatric surgery. <i>Atherosclerosis</i> , 2018 , 278, 330-331	3.1	6
25	ANTHROPOMETRIC CHARACTERISTICS AND PHYSICAL FITNESS LEVEL IN RELATION TO BODY WEIGHT STATUS IN CHILEAN PRESCHOOL CHILDREN. <i>Nutricion Hospitalaria</i> , 2015 , 32, 346-53	1	6
24	Influence of Body Composition on Arterial Stiffness in Middle-Aged Adults: Healthy UAL Cross-Sectional Study. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	4
23	Breastfeeding shows a protective trend toward adolescents with higher abdominal adiposity. <i>Obesity Facts</i> , 2014 , 7, 289-301	5.1	4
22	Prevalence of severe/morbid obesity and other weight status and anthropometric reference standards in Spanish preschool children: The PREFIT project. <i>Pediatric Research</i> , 2020 , 87, 501-510	3.2	4
21	Improvements in Heart Rate Variability in Women with Obesity: Short-term Effects of Sleeve Gastrectomy. <i>Obesity Surgery</i> , 2020 , 30, 4038-4045	3.7	3
20	Physical Exercise following bariatric surgery in women with Morbid obesity: Study protocol clinical trial (SPIRIT compliant). <i>Medicine (United States)</i> , 2020 , 99, e19427	1.8	3
19	Prediction of cardiovascular health by non-exercise estimated cardiorespiratory fitness. <i>Heart</i> , 2020 , 106, 1832-1838	5.1	3

18	The effects of physical activity interventions on glycated haemoglobin A1c in non-diabetic populations: a protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2017 , 7, e015801	3	3
17	Heart Rate Variability in Women with Systemic Lupus Erythematosus: Association with Health-Related Parameters and Effects of Aerobic Exercise. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
16	Ideal cardiovascular health in women with systemic lupus erythematosus: Association with arterial stiffness, inflammation, and fitness. <i>International Journal of Cardiology</i> , 2021 , 330, 207-213	3.2	3
15	Do dietary patterns determine levels of vitamin B, folate, and vitamin B intake and corresponding biomarkers in European adolescents? The Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) study. <i>Nutrition</i> , 2018 , 50, 8-17	4.8	3
14	Pain and Physical Function Following Bariatric Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 770-1	27.4	2
13	Use of whole-body vibration as a mode of warming up before counter movement jump. <i>Journal of Sports Science and Medicine</i> , 2007 , 6, 574-5	2.7	2
12	Impact of exercise training after bariatric surgery on cardiometabolic risk factors: a systematic review and meta-analysis of controlled trials. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2021 , 1	10.5	2
11	Physical Activity, Fitness and Fatness in Children and Adolescents 2011 , 347-366		2
10	Assessing Physical FITNESS In PRESchool Children. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 517-518	1.2	1
9	Influence of fitness improvement on performance level in international elite young road-race motorcyclists. <i>Science and Sports</i> , 2019 , 34, e45-e52	0.8	1
8	When Will Physical Activity be Routinely Measured in the Clinical Setting? The Case for Bariatric Surgery. <i>American Journal of Hypertension</i> , 2016 , 29, e1	2.3	1
7	Supervised Exercise Immediately After Bariatric Surgery: the Study Protocol of the EFIBAR Randomized Controlled Trial. <i>Obesity Surgery</i> , 2021 , 31, 4227-4235	3.7	1
6	Validity and Reliability of the International Fitness Scale (IFIS) in preschool children.. <i>European Journal of Sport Science</i> , 2022 , 1-24	3.9	1
5	Effects of bariatric surgery on cardiorespiratory fitness: A systematic review and meta-analysis.. <i>Obesity Reviews</i> , 2021 , e13408	10.6	0
4	Determinants Of Climbing Performance In High-level Sport Climbers. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 782	1.2	
3	Re: "Cardiorespiratory fitness levels among us adults 20-49 years of age: findings from the 1999-2004 National Health and Nutrition Examination Survey". <i>American Journal of Epidemiology</i> , 2010 , 171, 1323-4	3.8	
2	Muscular and Cardiorespiratory Fitness are Independently Associated with Metabolic Risk in Adolescents. The HELENA Study. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 98-99	1.2	
1	The Association of Changes in Cardiorespiratory Fitness and Body Mass Index with All-Cause Mortality. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 77	1.2	

