

Luis Gracia Marco

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4320489/publications.pdf>

Version: 2024-02-01

104
papers

2,267
citations

212478

28
h-index

299063

42
g-index

114
all docs

114
docs citations

114
times ranked

3440
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving cardiorespiratory fitness protects against inflammation in children: the IDEFICS study. <i>Pediatric Research</i> , 2022, 91, 681-689.	1.1	8
2	Association of Energy and Macronutrients Intake with S-Klotho Plasma Levels in Middle-Aged Sedentary Adults: A Cross-Sectional Study. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 360-367.	1.5	4
3	Leptin levels were negatively associated with lumbar spine bone mineral content in children with overweight or obesity. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2022, 111, 1966-1973.	0.7	2
4	Hybrid neuromuscular training promotes musculoskeletal adaptations in inactive overweight and obese women: A training-detaining randomized controlled trial. <i>Journal of Sports Sciences</i> , 2021, 39, 503-512.	1.0	12
5	Sclerostin, preadipocyte factor-1 and bone mineral values in eumenorrheic adolescent athletes with different training patterns. <i>Journal of Bone and Mineral Metabolism</i> , 2021, 39, 245-252.	1.3	7
6	The "Fat but Fit" Paradigm and Bone Health in Young Adults: A Cluster Analysis. <i>Nutrients</i> , 2021, 13, 518.	1.7	10
7	3D DXA Hip Differences in Patients with Acromegaly or Adult Growth Hormone Deficiency. <i>Journal of Clinical Medicine</i> , 2021, 10, 657.	1.0	3
8	Testing the Functional Model of Bone Development: Direct and Mediating Role of Muscle Strength on Bone Properties in Growing Youth. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3154.	1.2	3
9	The Mediating Role of Lean Soft Tissue in the Relationship between Somatic Maturation and Bone Density in Adolescent Practitioners and Non-Practitioners of Sports. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3008.	1.2	5
10	Serum sclerostin concentration is associated with specific adipose, muscle and bone tissue markers in lean adolescent females with increased physical activity. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2021, 34, 755-761.	0.4	9
11	Prospective physical fitness status and development of cardiometabolic risk in children according to body fat and lifestyle behaviours: The IDEFICS study. <i>Pediatric Obesity</i> , 2021, 16, e12819.	1.4	1
12	Analysis of Bone Impairment by 3D DXA Hip Measures in Patients With Primary Hyperparathyroidism: A Pilot Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 175-184.	1.8	10
13	Inflammatory markers and bone mass in children with overweight/obesity: the role of muscular fitness. <i>Pediatric Research</i> , 2020, 87, 42-47.	1.1	9
14	Differences in areal bone mineral density between metabolically healthy and unhealthy overweight/obese children: the role of physical activity and cardiorespiratory fitness. <i>Pediatric Research</i> , 2020, 87, 1219-1225.	1.1	7
15	The effect of an online exercise programme on bone health in paediatric cancer survivors (iBoneFIT): study protocol of a multi-centre randomized controlled trial. <i>BMC Public Health</i> , 2020, 20, 1520.	1.2	9
16	Validity of Slaughter Equations and Bioelectrical Impedance Against Dual-Energy X-Ray Absorptiometry in Children. <i>Obesity</i> , 2020, 28, 803-812.	1.5	3
17	Gonadal hormones may predict structural bone fragility in elite female soccer player. <i>Journal of Sports Sciences</i> , 2020, 38, 827-837.	1.0	4
18	Calcium, Vitamin D, and Health. <i>Nutrients</i> , 2020, 12, 416.	1.7	6

#	ARTICLE	IF	CITATIONS
19	Lean mass index is positively associated with white matter volumes in several brain regions in children with overweight/obesity. <i>Pediatric Obesity</i> , 2020, 15, e12604.	1.4	7
20	Effect of maturational timing on bone health in male adolescent athletes engaged in different sports: The PRO-BONE study. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 253-258.	0.6	18
21	Effects of Recreational Soccer on Health Outcomes: A Narrative Review. <i>Journal of Science in Sport and Exercise</i> , 2019, 1, 142-150.	0.4	2
22	Relationship between 1,25-Dihydroxyvitamin D and Body Composition in Middle-Aged Sedentary Adults: The FIT-AGEING Study. <i>Nutrients</i> , 2019, 11, 2567.	1.7	4
23	Bone Health in Children and Youth with Cystic Fibrosis: A Systematic Review and Meta-Analysis of Matched Cohort Studies. <i>Journal of Pediatrics</i> , 2019, 215, 178-186.e16.	0.9	6
24	How Different Loading Sports and a 9-Month Plyometric Intervention Programme Affect Bone Turnover Markers During Adolescence: The PRO-BONE Study. <i>Proceedings (mdpi)</i> , 2019, 25, 38.	0.2	0
25	Associations of dietary energy density with body composition and cardiometabolic risk in children with overweight and obesity: role of energy density calculations, under-reporting energy intake and physical activity. <i>British Journal of Nutrition</i> , 2019, 121, 1057-1068.	1.2	9
26	Effect of different types of exercise on health-related quality of life during and after cancer treatment: a protocol for a systematic review and network meta-analysis. <i>BMJ Open</i> , 2019, 9, e031374.	0.8	6
27	Muscular Fitness Mediates the Association between 25-Hydroxyvitamin D and Areal Bone Mineral Density in Children with Overweight/Obesity. <i>Nutrients</i> , 2019, 11, 2760.	1.7	8
28	Association between brown adipose tissue and bone mineral density in humans. <i>International Journal of Obesity</i> , 2019, 43, 1516-1525.	1.6	4
29	Physical Activity, Sedentary Behaviour and Mental Health in Young People: A Review of Reviews. , 2019, , 35-73.		11
30	Mediterranean diet, diet quality, and bone mineral content in adolescents: the HELENA study. <i>Osteoporosis International</i> , 2018, 29, 1329-1340.	1.3	11
31	Assessment of physical activity intensity and duration in the paediatric population: evidence to support an <i>a priori</i> hypothesis and sample size in the agreement between subjective and objective methods. <i>Obesity Reviews</i> , 2018, 19, 810-824.	3.1	25
32	Bone metabolism markers and vitamin D in adolescent cyclists. <i>Archives of Osteoporosis</i> , 2018, 13, 11.	1.0	3
33	The Trainability of Adolescent Soccer Players to Brief Periodized Complex Training. <i>International Journal of Sports Physiology and Performance</i> , 2018, 13, 645-655.	1.1	21
34	Agreement Between Standard Body Composition Methods to Estimate Percentage of Body Fat in Young Male Athletes. <i>Pediatric Exercise Science</i> , 2018, 30, 402-410.	0.5	21
35	The effect of 12-month participation in osteogenic and non-osteogenic sports on bone development in adolescent male athletes. The PRO-BONE study. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 404-409.	0.6	34
36	Correlates of ideal cardiovascular health in European adolescents: The HELENA study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018, 28, 187-194.	1.1	20

#	ARTICLE	IF	CITATIONS
37	The association between childhood fractures and adolescence bone outcomes: a population-based study, the TromsÅ, Study, Fit Futures. <i>Osteoporosis International</i> , 2018, 29, 441-450.	1.3	9
38	A 9-Month Jumping Intervention to Improve Bone Geometry in Adolescent Male Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2544-2554.	0.2	20
39	The effect of a high-impact jumping intervention on bone mass, bone stiffness and fitness parameters in adolescent athletes. <i>Archives of Osteoporosis</i> , 2018, 13, 128.	1.0	34
40	Longitudinal determinants of 12-month changes on bone health in adolescent male athletes. <i>Archives of Osteoporosis</i> , 2018, 13, 106.	1.0	15
41	Grip strength cutpoints for youth based on a clinically relevant bone health outcome. <i>Archives of Osteoporosis</i> , 2018, 13, 92.	1.0	34
42	Agreement Between Dual-Energy X-Ray Absorptiometry and Quantitative Ultrasound to Evaluate Bone Health in Adolescents: The PRO-BONE Study. <i>Pediatric Exercise Science</i> , 2018, 30, 466-473.	0.5	15
43	Hepatic fat content and bone mineral density in children with overweight/obesity. <i>Pediatric Research</i> , 2018, 84, 684-688.	1.1	10
44	Influence of Physical Activity on Bone Mineral Content and Density in Overweight and Obese Children with Low Adherence to the Mediterranean Dietary Pattern. <i>Nutrients</i> , 2018, 10, 1075.	1.7	10
45	A 9-month Jumping Intervention to Improve Bone Acquisition in Adolescent Male Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 754.	0.2	0
46	Physical activity, sedentary time, TV viewing, physical fitness and cardiovascular disease risk in adolescents: The HELENA study. <i>International Journal of Cardiology</i> , 2018, 254, 303-309.	0.8	61
47	Determinants of Bone Outcomes in Adolescent Athletes at Baseline. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1389-1396.	0.2	35
48	Dietary sources and sociodemographic and lifestyle factors affecting vitamin D and calcium intakes in European adolescents: the Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) Study. <i>Public Health Nutrition</i> , 2017, 20, 1593-1601.	1.1	6
49	The Impact of Sport Participation on Bone Mass and Geometry in Male Adolescents. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 317-326.	0.2	39
50	Prevalence of ideal cardiovascular health in European adolescents: The HELENA study. <i>International Journal of Cardiology</i> , 2017, 240, 428-432.	0.8	34
51	Amino acids intake and physical fitness among adolescents. <i>Amino Acids</i> , 2017, 49, 1041-1052.	1.2	12
52	Neck circumference and clustered cardiovascular risk factors in children and adolescents: cross-sectional study. <i>BMJ Open</i> , 2017, 7, e016048.	0.8	23
53	Longitudinal Adaptations of Bone Mass, Geometry, and Metabolism in Adolescent Male Athletes: The PRO-BONE Study. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2269-2277.	3.1	35
54	Lean mass explains the association between muscular fitness and bone outcomes in 13-year-old boys. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017, 106, 1658-1665.	0.7	14

#	ARTICLE	IF	CITATIONS
55	Soft tissues, areal bone mineral density and hip geometry estimates in active young boys: the PRO-BONE study. <i>European Journal of Applied Physiology</i> , 2017, 117, 833-842.	1.2	11
56	The influence of birth weight and length on bone mineral density and content in adolescence: The TromsÅ, Study, Fit Futures. <i>Archives of Osteoporosis</i> , 2017, 12, 54.	1.0	10
57	25-hydroxyvitamin D is differentially associated with calcium intakes of Northern, Central, and Southern European adolescents: Results from the HELENA study. <i>Nutrition</i> , 2017, 36, 22-25.	1.1	4
58	Circulating Sclerostin Responses To Acute Weight And Non Weight Bearing Sport Activity In Pre Adolescent Males. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 614.	0.2	0
59	Body Composition, Nutritional Profile and Muscular Fitness Affect Bone Health in a Sample of Schoolchildren from Colombia: The Fuprecol Study. <i>Nutrients</i> , 2017, 9, 106.	1.7	12
60	Exercise-Induced Oxidative Stress Responses in the Pediatric Population. <i>Antioxidants</i> , 2017, 6, 6.	2.2	25
61	Inflammation and insulin resistance according to body composition in European adolescents: the HELENA study.. <i>Nutricion Hospitalaria</i> , 2017, 34, 1033-1043.	0.2	6
62	Physical activity, bone mass and muscle strength in children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 1127-1128.	0.7	6
63	Body Composition Indices and Single and Clustered Cardiovascular Disease Risk Factors in Adolescents: Providing Clinical-Based Cut-Points. <i>Progress in Cardiovascular Diseases</i> , 2016, 58, 555-564.	1.6	46
64	Assessment of Physical Activity by Accelerometer and IPAQ-Short Version in Patients with Chronic Kidney Disease Undergoing Hemodialysis. <i>Blood Purification</i> , 2015, 40, 250-255.	0.9	12
65	Levels and Patterns of Objectively Assessed Physical Activity and Compliance with Different Public Health Guidelines in University Students. <i>PLoS ONE</i> , 2015, 10, e0141977.	1.1	73
66	Effect of a program of short bouts of exercise on bone health in adolescents involved in different sports: the PRO-BONE study protocol. <i>BMC Public Health</i> , 2015, 15, 361.	1.2	26
67	Lean mass as a total mediator of the influence of muscular fitness on bone health in schoolchildren: a mediation analysis. <i>Journal of Sports Sciences</i> , 2015, 33, 817-830.	1.0	27
68	Physical Activity and Bone Health in Schoolchildren: The Mediating Role of Fitness and Body Fat. <i>PLoS ONE</i> , 2015, 10, e0123797.	1.1	15
69	Epidemiology of injuries in First Division Spanish football. <i>Journal of Sports Sciences</i> , 2014, 32, 1263-1270.	1.0	73
70	Physical fitness reference standards in European children: the IDEFICS study. <i>International Journal of Obesity</i> , 2014, 38, S57-S66.	1.6	142
71	Health Inequalities in Urban Adolescents: Role of Physical Activity, Diet, and Genetics. <i>Pediatrics</i> , 2014, 133, e884-e895.	1.0	34
72	Influence of birth weight on calcaneal bone stiffness in Belgian pre-adolescent children. <i>Archives of Public Health</i> , 2014, 72, .	1.0	0

#	ARTICLE	IF	CITATIONS
73	Vitamins and iron blood biomarkers are associated with blood pressure levels in European adolescents. The HELENA study. <i>Nutrition</i> , 2014, 30, 1294-1300.	1.1	11
74	An examination of injuries in Spanish Professional Soccer League. <i>Journal of Sports Medicine and Physical Fitness</i> , 2014, 54, 765-71.	0.4	17
75	Seasonal variation in physical activity and sedentary time in different European regions. The HELENA study. <i>Journal of Sports Sciences</i> , 2013, 31, 1831-1840.	1.0	57
76	Associations of Dietary Calcium, Vitamin D, Milk Intakes, and 25-Hydroxyvitamin D With Bone Mass in Spanish Adolescents: The HELENA Study. <i>Journal of Clinical Densitometry</i> , 2013, 16, 110-117.	0.5	40
77	Cardiorespiratory fitness in males, and upper limbs muscular strength in females, are positively related with 25-hydroxyvitamin D plasma concentrations in European adolescents: the HELENA study. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2013, 106, 809-821.	0.2	43
78	Independent and Combined Effects of Physical Activity and Sedentary Behavior on Blood Pressure in Adolescents: Gender Differences in Two Cross-Sectional Studies. <i>PLoS ONE</i> , 2013, 8, e62006.	1.1	30
79	Iron and vitamin status biomarkers and its association with physical fitness in adolescents: the HELENA study. <i>Journal of Applied Physiology</i> , 2012, 113, 566-573.	1.2	22
80	Reliability and validity of a screen time-based sedentary behaviour questionnaire for adolescents: The HELENA study. <i>European Journal of Public Health</i> , 2012, 22, 373-377.	0.1	99
81	Vitamin D status and physical activity interact to improve bone mass in adolescents. The HELENA Study. <i>Osteoporosis International</i> , 2012, 23, 2227-2237.	1.3	35
82	Socioeconomic Status and Bone Mass in Spanish Adolescents. The HELENA Study. <i>Journal of Adolescent Health</i> , 2012, 50, 484-490.	1.2	22
83	Sedentary behaviours and its association with bone mass in adolescents: the HELENA cross-sectional study. <i>BMC Public Health</i> , 2012, 12, 971.	1.2	41
84	How Physical Activity Affects the Growthâ€“Nutrientâ€“Bone Relationship. , 2012, , 2455-2471.		0
85	Influence of Birth Weight on Calcaneal Bone Stiffness in Belgian Preadolescent Children. <i>Calcified Tissue International</i> , 2012, 91, 267-275.	1.5	8
86	Physical activity does not attenuate the obesity risk of <sc>TV</sc> viewing in youth. <i>Pediatric Obesity</i> , 2012, 7, 240-250.	1.4	34
87	Adiposity and bone health in Spanish adolescents. The HELENA study. <i>Osteoporosis International</i> , 2012, 23, 937-947.	1.3	104
88	Levels of Physical Activity That Predict Optimal Bone Mass in Adolescents. <i>American Journal of Preventive Medicine</i> , 2011, 40, 599-607.	1.6	93
89	Contribution of social marketing strategies to community-based obesity prevention programmes in children. <i>International Journal of Obesity</i> , 2011, 35, 472-479.	1.6	46
90	Effect of fitness and physical activity on bone mass in adolescents: the HELENA Study. <i>European Journal of Applied Physiology</i> , 2011, 111, 2671-2680.	1.2	66

#	ARTICLE	IF	CITATIONS
91	Contribution of bone turnover markers to bone mass in pubertal boys and girls. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2011, 24, 971-4.	0.4	16
92	Sedentary behaviours and socio-economic status in Spanish adolescents: the AVENA study. <i>European Journal of Public Health</i> , 2011, 21, 151-157.	0.1	49
93	Association of physical activity with muscular strength and fat-free mass in adolescents: the HELENA study. <i>European Journal of Applied Physiology</i> , 2010, 109, 1119-1127.	1.2	68
94	Bone Mass and Bone Metabolism Markers during Adolescence: The HELENA Study. <i>Hormone Research in Paediatrics</i> , 2010, 74, 339-350.	0.8	49
95	Extra-curricular participation in sports and socio-demographic factors in Spanish adolescents: The AVENA Study. <i>Journal of Sports Sciences</i> , 2010, 28, 1383-1389.	1.0	17
96	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, 679-682.	0.8	10
97	Bone markers and physical activity in Spanish adolescents. <i>Bone</i> , 2009, 45, S86-S87.	1.4	0
98	UK popular sports and hip differences on bone outcomes in adolescent male athletes: The PRO-BONE study. <i>Bone Abstracts</i> , 0, , .	0.0	0
99	Cardiorespiratory fitness, bone mineral density and hip geometry in young males: the PRO-BONE study. <i>Bone Abstracts</i> , 0, , .	0.0	0
100	Dietary protein is associated with bone adaptations and performance of pre-adolescents. <i>Bone Abstracts</i> , 0, , .	0.0	0
101	Soft tissues, areal bone mineral density and hip geometry estimates in active young boys: the PRO-BONE study. <i>Bone Abstracts</i> , 0, , .	0.0	0
102	Physical activity is negatively correlated with circulating sclerostin in 6–12 year-old children. <i>Bone Abstracts</i> , 0, , .	0.0	0
103	Muscular fitness, bone mineral density and hip geometry in young males: the PRO-BONE study. <i>Bone Abstracts</i> , 0, , .	0.0	0
104	CHAPTER 32. Bone Health: The Independent and Combined Effects of Calcium, Vitamin D and Exercise in Children and Adolescents. <i>Food and Nutritional Components in Focus</i> , 0, , 530-546.	0.1	2