Jonatan R Ruiz

List of Publications by Year
in descending order

565	29,928	5876	9839
papers	citations	81 h-index	141 g-index

599	599	599	23382
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Caffeine ingestion attenuates diurnal variation of lowerâ€body ballistic performance in resistanceâ€trained women. European Journal of Sport Science, 2023, 23, 381-392.	1.4	3
2	Exerciseâ€induced changes on exerkines that might influence brown adipose tissue metabolism in young sedentary adults. European Journal of Sport Science, 2023, 23, 625-636.	1.4	8
3	No diurnal variation is present in maximal fat oxidation during exercise in young healthy women: A crossâ€over study. European Journal of Sport Science, 2023, 23, 936-942.	1.4	4
4	Uncertain association between maximal fat oxidation during exercise and cardiometabolic risk factors in healthy sedentary adults. European Journal of Sport Science, 2022, 22, 926-936.	1.4	6
5	Interplay of physical activity and genetic variants of the endothelial lipase on cardiovascular disease risk factors. Pediatric Research, 2022, 91, 929-936.	1.1	2
6	Plasma Levels of Bile Acids Are Related to Cardiometabolic Risk Factors in Young Adults. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 715-723.	1.8	6
7	Validity of four commercially available metabolic carts for assessing resting metabolic rate and respiratory exchange ratio in non-ventilated humans. Clinical Nutrition, 2022, 41, 746-754.	2.3	17
8	Circulating concentrations of free triiodothyronine are associated with central adiposity and cardiometabolic risk factors in young euthyroid adults. Journal of Physiology and Biochemistry, 2022, 78, 629-640.	1.3	3
9	Development of a prediction protocol for the screening of metabolic associated fatty liver disease in children with overweight or obesity. Pediatric Obesity, 2022, 17, e12917.	1.4	4
10	Omegaâ€6 and omegaâ€3 oxylipins as potential markers of cardiometabolic risk in young adults. Obesity, 2022, 30, 50-61.	1.5	21
11	Interplay between genetics and lifestyle on pain susceptibility in women with fibromyalgia: the al-Ãndalus project. Rheumatology, 2022, 61, 3180-3191.	0.9	4
12	Effect of an Interdisciplinary Weight Loss and Lifestyle Intervention on Obstructive Sleep Apnea Severity. JAMA Network Open, 2022, 5, e228212.	2.8	40
13	Plasma Levels of Endocannabinoids and Their Analogues Are Related to Specific Fecal Bacterial Genera in Young Adults: Role in Gut Barrier Integrity. Nutrients, 2022, 14, 2143.	1.7	4
14	A larger brown fat volume and lower radiodensity are related to a greater cardiometabolic risk, especially in young men. European Journal of Endocrinology, 2022, 187, 171-183.	1.9	3
15	Association of shivering threshold time with body composition and brown adipose tissue in young adults. Journal of Thermal Biology, 2022, 108, 103277.	1.1	3
16	Effect of a Weight Loss and Lifestyle Intervention on Dietary Behavior in Men with Obstructive Sleep Apnea: The INTERAPNEA Trial. Nutrients, 2022, 14, 2731.	1.7	6
17	Effects of a resistance training program in kidney transplant recipients: A randomized controlled trial. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 473-479.	1.3	11
18	Association between dietary factors and brown adipose tissue volume/18F-FDG uptake in young adults. Clinical Nutrition, 2021, 40, 1997-2008.	2.3	8

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19	Neck adipose tissue accumulation is associated with higher overall and central adiposity, a higher cardiometabolic risk, and a pro-inflammatory profile in young adults. International Journal of Obesity, 2021, 45, 733-745.	1.6	9
20	Sedentary time and blood pressure in Australian toddlers: The get-up study longitudinal results. Journal of Sports Sciences, 2021, 39, 227-231.	1.0	0
21	Mediation role of cardiorespiratory fitness on the association between fatness and cardiometabolic risk in European adolescents: The HELENA study. Journal of Sport and Health Science, 2021, 10, 360-367.	3.3	16
22	A sociodemographic, anthropometric and lifestyleâ€based prediction score for screening children with overweight and obesity for hepatic steatosis: The HEPAKID index. Pediatric Obesity, 2021, 16, e12770.	1.4	1
23	Physical and Sedentary Activities in Association with Reproductive Outcomes among Couples Seeking Infertility Treatment: A Prospective Cohort Study. International Journal of Environmental Research and Public Health, 2021, 18, 2718.	1.2	5
24	Relationship between dietary factors and S-Klotho plasma levels in young sedentary healthy adults. Mechanisms of Ageing and Development, 2021, 194, 111435.	2.2	14
25	Impact of an intermittent and localized cooling intervention on skin temperature, sleep quality and energy expenditure in free-living, young, healthy adults. Journal of Thermal Biology, 2021, 97, 102875.	1.1	5
26	Fatigue in Women with Fibromyalgia: A Gene-Physical Activity Interaction Study. Journal of Clinical Medicine, 2021, 10, 1902.	1.0	2
27	The effects of three types of exercise training on steroid hormones in physically inactive middle-aged adults: a randomized controlled trial. European Journal of Applied Physiology, 2021, 121, 2193-2206.	1.2	8
28	The influence of age, sex and cardiorespiratory fitness on maximal fat oxidation rate. Applied Physiology, Nutrition and Metabolism, 2021, 46, 1241-1247.	0.9	11
29	What type of physical exercise should be recommended for improving arterial stiffness on adult population? A network meta-analysis. European Journal of Cardiovascular Nursing, 2021, 20, 696-716.	0.4	11
30	Relationships between diet and basal fat oxidation and maximal fat oxidation during exercise in sedentary adults. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 1087-1101.	1.1	10
31	Brown Adipose Tissue Volume and Fat Content Are Positively Associated With Whole-Body Adiposity in Young Menâ€"Not in Women. Diabetes, 2021, 70, 1473-1485.	0.3	11
32	Higher Physical Activity Is Related to Lower Neck Adiposity in Young Men, but to Higher Neck Adiposity in Young Women: An Exploratory Study. International Journal of Sport Nutrition and Exercise Metabolism, 2021, 31, 250-258.	1.0	0
33	Deciphering the constrained total energy expenditure model in humans by associating accelerometer-measured physical activity from wrist and hip. Scientific Reports, 2021, 11, 12302.	1.6	5
34	Acute effect of HIIT on testosterone and cortisol levels in healthy individuals: A systematic review and metaâ€analysis. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1722-1744.	1.3	7
35	Elevated plasma succinate levels are linked to higher cardiovascular disease risk factors in young adults. Cardiovascular Diabetology, 2021, 20, 151.	2.7	36
36	Activation of Brown Adipose Tissue and Promotion of White Adipose Tissue Browning by Plant-based Dietary Components in Rodents: A Systematic Review. Advances in Nutrition, 2021, 12, 2147-2156.	2.9	13

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37	Thyroid function is not associated with brown adipose tissue volume and 18F-fluorodeoxyglucose uptake in young euthyroid adults. European Journal of Endocrinology, 2021, 185, 209-218.	1.9	4
38	Criterion-Related Validity of Field-Based Fitness Tests in Adults: A Systematic Review. Journal of Clinical Medicine, 2021, 10, 3743.	1.0	18
39	Associations of fitness and physical activity with specific abdominal fat depots in children with overweight/obesity. Scandinavian Journal of Medicine and Science in Sports, 2021, , .	1.3	9
40	Diurnal variations of cold-induced thermogenesis in young, healthy adults: A randomized crossover trial. Clinical Nutrition, 2021, 40, 5311-5321.	2.3	5
41	Caffeine increases maximal fat oxidation during a graded exercise test: is there a diurnal variation?. Journal of the International Society of Sports Nutrition, 2021, 18, 5.	1.7	20
42	Impact of COVID-19 Confinement on Physical Activity and Sedentary Behaviour in Spanish University Students: Role of Gender. International Journal of Environmental Research and Public Health, 2021, 18, 369.	1.2	108
43	Body Composition Changes after a Weight Loss Intervention: A 3-Year Follow-Up Study. Nutrients, 2021, 13, 164.	1.7	5
44	Mobile and Wearable Technology for the Monitoring of Diabetes-Related Parameters: Systematic Review. JMIR MHealth and UHealth, 2021, 9, e25138.	1.8	43
45	Inter-Day Reliability of Resting Metabolic Rate and Maximal Fat Oxidation during Exercise in Healthy Men Using the Ergostik Gas Analyzer. Nutrients, 2021, 13, 4308.	1.7	10
46	Distribution of Brown Adipose Tissue Radiodensity in Young Adults: Implications for Cold [18F]FDG-PET/CT Analyses. Molecular Imaging and Biology, 2020, 22, 425-433.	1.3	13
47	Effects of Exercise in Addition to a Family-Based Lifestyle Intervention Program on Hepatic Fat in Children With Overweight. Diabetes Care, 2020, 43, 306-313.	4.3	33
48	Cardiorespiratory fitness, muscular strength, and obesity in adolescence and later chronic disability due to cardiovascular disease: a cohort study of 1 million men. European Heart Journal, 2020, 41, 1503-1510.	1.0	68
49	Brown adipose tissue volume and 18F-fluorodeoxyglucose uptake are not associated with energy intake in young human adults. American Journal of Clinical Nutrition, 2020, 111, 329-339.	2.2	13
50	Prevalence of responders for hepatic fat, adiposity and liver enzyme levels in response to a lifestyle intervention in children with overweight/obesity: EFIGRO randomized controlled trial. Pediatric Diabetes, 2020, 21, 215-223.	1.2	11
51	Energy Expenditure and Macronutrient Oxidation in Response to an Individualized Nonshivering Cooling Protocol. Obesity, 2020, 28, 2175-2183.	1.5	2
52	The effect of an online exercise programme on bone health in paediatric cancer survivors (iBoneFIT): study protocol of a multi-centre randomized controlled trial. BMC Public Health, 2020, 20, 1520.	1.2	9
53	Eating Behavior, Physical Activity and Exercise Training: A Randomized Controlled Trial in Young Healthy Adults. Nutrients, 2020, 12, 3685.	1.7	9
54	Endocrine Mechanisms Connecting Exercise to Brown Adipose Tissue Metabolism: a Human Perspective. Current Diabetes Reports, 2020, 20, 40.	1.7	8

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55	Single nucleotide polymorphisms of ADIPOQ gene associated with cardiovascular disease risk factors in European adolescents: the Healthy Lifestyle in Europe by Nutrition in Adolescence study. Journal of Hypertension, 2020, 38, 1971-1979.	0.3	3
56	Interaction Effect of the Mediterranean Diet and an Obesity Genetic Risk Score on Adiposity and Metabolic Syndrome in Adolescents: The HELENA Study. Nutrients, 2020, 12, 3841.	1.7	11
57	Neck circumference is associated with adipose tissue content in thigh skeletal muscle in overweight and obese premenopausal women. Scientific Reports, 2020, 10, 8324.	1.6	8
58	Body Composition Impact on Sleep in Young Adults: The Mediating Role of Sedentariness, Physical Activity, and Diet. Journal of Clinical Medicine, 2020, 9, 1560.	1.0	11
59	The effect of mirabegron on energy expenditure and brown adipose tissue in healthy lean South <scp>Asian and Europid</scp> men. Diabetes, Obesity and Metabolism, 2020, 22, 2032-2044.	2.2	25
60	Association of Neck Circumference with Anthropometric Indicators and Body Composition Measured by DXA in Young Spanish Adults. Nutrients, 2020, 12, 514.	1.7	14
61	Impact of the Method Used to Select Gas Exchange Data for Estimating the Resting Metabolic Rate, as Supplied by Breath-by-Breath Metabolic Carts. Nutrients, 2020, 12, 487.	1.7	16
62	Metabolic rate in sedentary adults, following different exercise training interventions: The FIT-AGEING randomized controlled trial. Clinical Nutrition, 2020, 39, 3230-3240.	2.3	20
63	Association between CNTF Polymorphisms and Adiposity MarkersÂinÂEuropean Adolescents. Journal of Pediatrics, 2020, 219, 23-30.e1.	0.9	2
64	Association of UCP1, UCP2 and UCP3 gene polymorphisms with cardiovascular disease risk factors in European adolescents: the HELENA study. Pediatric Research, 2020, 88, 265-270.	1.1	1
65	Association of Basal Metabolic Rate and Nutrients Oxidation with Cardiometabolic Risk Factors and Insulin Sensitivity in Sedentary Middle-Aged Adults. Nutrients, 2020, 12, 1186.	1.7	5
66	Association between lipoprotein lipase gene polymorphisms and cardiovascular disease risk factors in European adolescents: The Healthy Lifestyle in Europe by Nutrition in Adolescence study. Pediatric Diabetes, 2020, 21, 747-757.	1.2	5
67	Association of sedentary and physical activity time with maximal fat oxidation during exercise in sedentary adults. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1605-1614.	1.3	14
68	Associations of physical activity and fitness with hepatic steatosis, liver enzymes, and insulin resistance in children with overweight/obesity. Pediatric Diabetes, 2020, 21, 565-574.	1.2	22
69	Bidirectional associations between fitness and fatness in youth: A longitudinal study. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1483-1496.	1.3	9
70	Relationship between plasma S-Klotho and cardiometabolic risk in sedentary adults. Aging, 2020, 12, 2698-2710.	1.4	21
71	Lifestyle patterns and endocrine, metabolic, and immunological biomarkers in European adolescents: The HELENA study. Pediatric Diabetes, 2019, 20, 23-31.	1.2	10
72	Association of objectively measured physical activity with brown adipose tissue volume and activity in young adults. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 223-233.	1.8	21

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73	Skin temperature response to a liquid meal intake is different in men than in women. Clinical Nutrition, 2019, 38, 1339-1347.	2.3	10
74	Near-Infrared Spatially Resolved Spectroscopy as an Indirect Technique to Assess Brown Adipose Tissue in Young Women. Molecular Imaging and Biology, 2019, 21, 328-338.	1.3	9
75	Adherence to the Mediterranean diet in metabolically healthy and unhealthy overweight and obese European adolescents: the HELENA study. European Journal of Nutrition, 2019, 58, 2615-2623.	1.8	28
76	Relationship between the Daily Rhythm of Distal Skin Temperature and Brown Adipose Tissue ¹⁸F-FDG Uptake in Young Sedentary Adults. Journal of Biological Rhythms, 2019, 34, 533-550.	1.4	11
77	Relationships between cardiorespiratory fitness/muscular strength and 18F-fluorodeoxyglucose uptake in brown adipose tissue after exposure to cold in young, sedentary adults. Scientific Reports, 2019, 9, 11314.	1.6	11
78	Prevalence and Trends of Overweight and Obesity in European Children From 1999 to 2016. JAMA Pediatrics, 2019, 173, e192430.	3.3	218
79	Optimizing Maximal Fat Oxidation Assessment by a Treadmill-Based Graded Exercise Protocol: When Should the Test End?. Frontiers in Physiology, 2019, 10, 909.	1.3	7
80	Cardiorespiratory Fitness May Influence Metabolic Inflexibility During Exercise in Obese Persons. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 5780-5790.	1.8	19
81	Infrared Thermography for Estimating Supraclavicular Skin Temperature and BAT Activity in Humans: A Systematic Review. Obesity, 2019, 27, 1932-1949.	1.5	16
82	Sleep duration and quality are not associated with brown adipose tissue volume or activityâ€”as determined by 18F-FDG uptake, in young, sedentary adults. Sleep, 2019, 42, .	0.6	11
83	Effects of Leucine-Enriched Whey Protein Supplementation on Physical Function in Post-Hospitalized Older Adults Participating in 12-Weeks of Resistance Training Program: A Randomized Controlled Trial. Nutrients, 2019, 11, 2337.	1.7	29
84	Adiposity and Cardiovascular Risk in Children and Adolescents: Implications of the Amount of Fat Carried and Where. Mayo Clinic Proceedings, 2019, 94, 1928-1930.	1.4	5
85	Interdisciplinary Weight Loss and Lifestyle Intervention for Obstructive Sleep Apnoea in Adults: Rationale, Design and Methodology of the INTERAPNEA Study. Nutrients, 2019, 11, 2227.	1.7	17
86	Exercise Versus Pharmacological Interventions for Reducing Visceral Adiposity and Improving Health Outcomes. Mayo Clinic Proceedings, 2019, 94, 182-185.	1.4	7
87	Diurnal Variation of Maximal Fat-Oxidation Rate in Trained Male Athletes. International Journal of Sports Physiology and Performance, 2019, 14, 1140-1146.	1.1	25
88	Body Composition and S-Klotho Plasma Levels in Middle-Aged Adults: A Cross-Sectional Study. Rejuvenation Research, 2019, 22, 478-483.	0.9	18
89	Congruent Validity of Resting Energy Expenditure Predictive Equations in Young Adults. Nutrients, 2019, 11, 223.	1.7	29
90	Adherence to the Mediterranean diet, dietary factors, and S-Klotho plasma levels in sedentary middle-aged adults. Experimental Gerontology, 2019, 119, 25-32.	1.2	15

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91	Association between UCP1, UCP2, and UCP3 gene polymorphisms with markers of adiposity in European adolescents: The HELENA study. Pediatric Obesity, 2019, 14, e12504.	1.4	10
92	Exercise training increases theÂS-Klotho plasma levels in sedentaryÂmiddle-aged adults: AÂrandomised controlledÂtrial. The FIT-AGEING study. Journal of Sports Sciences, 2019, 37, 2175-2183.	1.0	29
93	Changes in Body Composition and Physical Fitness in Adolescents with Down Syndrome: The UP&DOWN Longitudinal Study. Childhood Obesity, 2019, 15, 397-405.	0.8	7
94	Energy expenditure differences across lying, sitting, and standing positions in young healthy adults. PLoS ONE, 2019, 14, e0217029.	1.1	17
95	Impact of cowâ€™s milk intake on exercise performance and recovery of muscle function: a systematic review. Journal of the International Society of Sports Nutrition, 2019, 16, 22.	1.7	21
96	Milk and Dairy Product Consumption and Risk of Mortality: An Overview of Systematic Reviews and Meta-Analyses. Advances in Nutrition, 2019, 10, S97-S104.	2.9	35
97	Effects of Milk and Dairy Product Consumption on Type 2 Diabetes: Overview of Systematic Reviews and Meta-Analyses. Advances in Nutrition, 2019, 10, S154-S163.	2.9	74
98	The Mediating Role of Brown Fat and Skeletal Muscle Measured by ¹⁸Fâ€Fluorodeoxyglucose in the Thermoregulatory System in Young Adults. Obesity, 2019, 27, 963-970.	1.5	1
99	Muscle strength field-based tests to identify European adolescents at risk of metabolic syndrome: The HELENA study. Journal of Science and Medicine in Sport, 2019, 22, 929-934.	0.6	29
100	Supraclavicular skin temperature measured by iButtons and 18F-fluorodeoxyglucose uptake by brown adipose tissue in adults. Journal of Thermal Biology, 2019, 82, 178-185.	1.1	6
101	Concurrent validity of supraclavicular skin temperature measured with iButtons and infrared thermography as a surrogate marker of brown adipose tissue. Journal of Thermal Biology, 2019, 82, 186-196.	1.1	12
102	TemperatusÂ® software: A new tool to efficiently manage the massive information generated by iButtons. International Journal of Medical Informatics, 2019, 126, 9-18.	1.6	10
103	Effects of different exercise training programs on body composition: A randomized control trial. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 968-979.	1.3	27
104	Changes in Physical Fitness After 12 Weeks of Structured Concurrent Exercise Training, High Intensity Interval Training, or Whole-Body Electromyostimulation Training in Sedentary Middle-Aged Adults: A Randomized Controlled Trial. Frontiers in Physiology, 2019, 10, 451.	1.3	41
105	Impact of data analysis methods for maximal fat oxidation estimation during exercise in sedentary adults. European Journal of Sport Science, 2019, 19, 1230-1239.	1.4	26
106	Assessment of maximal fat oxidation during exercise: A systematic review. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 910-921.	1.3	42
107	Association of physical activity and fitness with S-Klotho plasma levels in middle-aged sedentary adults: The FIT-AGEING study. Maturitas, 2019, 123, 25-31.	1.0	20
108	Response to criticisms of the 20 m shuttle run test: deflections, distortions and distractions. British Journal of Sports Medicine, 2019, 53, 1200-1201.	3.1	10

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109	Role of Exercise on S-Klotho Protein Regulation: A Systematic Review. Current Aging Science, 2019, 11, 100-107.	0.4	19
110	THU0468â€…THE INTERACTIONS OF PHYSICAL ACTIVITY LEVELS WITH THE SODIUM CHANNEL PROTEIN TYPE 9 SUBUNIT ALPHA AND METHYLENE TETRAHYDROFOLATE REDUCTASE GENES ARE ASSOCIATED WITH FATIGUE IN WOMEN WITH FIBROMYALGIA. , 2019, , .		0
111	Exercise Training as a Treatment for Cardiometabolic Risk in Sedentary Adults: Are Physical Activity Guidelines the Best Way to Improve Cardiometabolic Health? The FIT-AGEING Randomized Controlled Trial. Journal of Clinical Medicine, 2019, 8, 2097.	1.0	16
112	Anxiety and Depression in Patients with Obstructive Sleep Apnoea before and after Continuous Positive Airway Pressure: The ADIPOSA Study. Journal of Clinical Medicine, 2019, 8, 2099.	1.0	18
113	Physical fitness in relation to later body composition in pre-school children. Journal of Science and Medicine in Sport, 2019, 22, 574-579.	0.6	20
114	Muscle Fitness Cut Points for Early Assessment of Cardiovascular Risk in Children and Adolescents. Journal of Pediatrics, 2019, 206, 134-141.e3.	0.9	31
115	Evidence of high ¹⁸Fâ€fluorodeoxyglucose uptake in the subcutaneous adipose tissue of the dorsocervical area in young adults. Experimental Physiology, 2019, 104, 168-173.	0.9	9
116	Exercise training in kidney transplant recipients: a systematic review. Journal of Nephrology, 2019, 32, 567-579.	0.9	52
117	Activation of Human Brown Adipose Tissue by Capsinoids, Catechins, Ephedrine, and Other Dietary Components: A Systematic Review. Advances in Nutrition, 2019, 10, 291-302.	2.9	19
118	Physical fitness reference standards for preschool children: The PREFIT project. Journal of Science and Medicine in Sport, 2019, 22, 430-437.	0.6	61
119	Association between brown adipose tissue and bone mineral density in humans. International Journal of Obesity, 2019, 43, 1516-1525.	1.6	4
120	Estimation of non-shivering thermogenesis and cold-induced nutrient oxidation rates: Impact of method for data selection and analysis. Clinical Nutrition, 2019, 38, 2168-2174.	2.3	10
121	Cardiometabolic risk through an integrative classification combining physical activity and sedentary behavior in European adolescents: HELENA study. Journal of Sport and Health Science, 2019, 8, 55-62.	3.3	46
122	Review of criterion-referenced standards for cardiorespiratory fitness: what percentage of 1â€‰142â€‰026 international children and youth are apparently healthy?. British Journal of Sports Medicine, 2019, 53, 953-958.	3.1	52
123	Association of basal metabolic rate and fuel oxidation in basal conditions and during exercise, with plasma S-klotho: the FIT-AGEING study. Aging, 2019, 11, 5319-5333.	1.4	14
124	Evidence-Based Exercise Recommendations to Reduce Hepatic Fat Content in Youth- a Systematic Review and Meta-Analysis. Progress in Cardiovascular Diseases, 2018, 61, 222-231.	1.6	34
125	Muscular Strength as a Predictor of All-Cause Mortality in an Apparently Healthy Population: A Systematic Review and Meta-Analysis of Data From Approximately 2 Million Men and Women. Archives of Physical Medicine and Rehabilitation, 2018, 99, 2100-2113.e5.	0.5	334
126	Making a Case for Cardiorespiratory Fitness Surveillance Among Children and Youth. Exercise and Sport Sciences Reviews, 2018, 46, 66-75.	1.6	88

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127	Identification of candidate genes associated with fibromyalgia susceptibility in southern Spanish women: the al-Ãndalus project. Journal of Translational Medicine, 2018, 16, 43.	1.8	9
128	Congruent validity and inter-day reliability of two breath by breath metabolic carts to measure resting metabolic rate in young adults. Nutrition, Metabolism and Cardiovascular Diseases, 2018, 28, 929-936.	1.1	23
129	Is BMI a relevant marker of fat mass in 4 year old children? Results from the MINISTOP trial. European Journal of Clinical Nutrition, 2018, 72, 1561-1566.	1.3	8
130	Early life programming of attention capacity in adolescents: The HELENA study. Maternal and Child Nutrition, 2018, 14, .	1.4	4
131	Physical activity awareness of European adolescents: The HELENA study. Journal of Sports Sciences, 2018, 36, 558-564.	1.0	11
132	Associations of Parental Self-Efficacy With Diet, Physical Activity, Body Composition, and Cardiorespiratory Fitness in Swedish Preschoolers: Results From the MINISTOP Trial. Health Education and Behavior, 2018, 45, 238-246.	1.3	19
133	Physical fitness and psychological health in overweight/obese children: A cross-sectional study from the ActiveBrains project. Journal of Science and Medicine in Sport, 2018, 21, 179-184.	0.6	65
134	The effect of 12-month participation in osteogenic and non-osteogenic sports on bone development in adolescent male athletes. The PRO-BONE study. Journal of Science and Medicine in Sport, 2018, 21, 404-409.	0.6	34
135	Correlates of ideal cardiovascular health in European adolescents: The HELENA study. Nutrition, Metabolism and Cardiovascular Diseases, 2018, 28, 187-194.	1.1	20
136	Ability of Nontraditional Risk Factors and Inflammatory Biomarkers for Cardiovascular Disease to Identify High Cardiometabolic Risk in Adolescents: Results From the LabMed Physical Activity Study. Journal of Adolescent Health, 2018, 62, 320-326.	1.2	12
137	Kinematic analysis of the standing long jump in children 6- to 12-years-old. Measurement in Physical Education and Exercise Science, 2018, 22, 70-78.	1.3	9
138	The TT genotype of the rs6860 polymorphism of the charged multivesicular body protein 1A gene is associated with susceptibility to fibromyalgia in southern Spanish women. Rheumatology International, 2018, 38, 531-533.	1.5	7
139	Cardiorespiratory Fitness and Blood Pressure: A Longitudinal Analysis. Journal of Pediatrics, 2018, 192, 130-135.	0.9	43
140	Reliability of resting metabolic rate measurements in young adults: Impact of methods for data analysis. Clinical Nutrition, 2018, 37, 1618-1624.	2.3	51
141	Fitness and Fatness as Health Markers through the Lifespan: An Overview of Current Knowledge. Progress in Preventive Medicine (New York, N Y), 2018, 3, e0013.	0.7	56
142	Commentary: Contextualising Maximal Fat Oxidation During Exercise: Determinants and Normative Values. Frontiers in Physiology, 2018, 9, 1460.	1.3	22
143	Brown Adipose Tissue and Skeletal Muscle 18F-FDG Activity After a Personalized Cold Exposure Is Not Associated With Cold-Induced Thermogenesis and Nutrient Oxidation Rates in Young Healthy Adults. Frontiers in Physiology, 2018, 9, 1577.	1.3	4
144	Accuracy and Validity of Resting Energy Expenditure Predictive Equations in Middle-Aged Adults. Nutrients, 2018, 10, 1635.	1.7	36

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145	Association of wrist and ambient temperature with cold-induced brown adipose tissue and skeletal muscle [¹⁸F]FDG uptake in young adults. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R1281-R1288.	0.9	12
146	Whole-Body Electromyostimulation Improves Performance-Related Parameters in Runners. Frontiers in Physiology, 2018, 9, 1576.	1.3	31
147	Grip strength cutpoints for youth based on a clinically relevant bone health outcome. Archives of Osteoporosis, 2018, 13, 92.	1.0	34
148	Physiological responses to acute cold exposure in young lean men. PLoS ONE, 2018, 13, e0196543.	1.1	31
149	Role of Human Brown Fat in Obesity, Metabolism and Cardiovascular Disease: Strategies to Turn Up the Heat. Progress in Cardiovascular Diseases, 2018, 61, 232-245.	1.6	58
150	Methodological issues related to maximal fat oxidation rate during exercise. European Journal of Applied Physiology, 2018, 118, 2029-2031.	1.2	11
151	Functional Exercise Training and Undulating Periodization Enhances the Effect of Whole-Body Electromyostimulation Training on Running Performance. Frontiers in Physiology, 2018, 9, 720.	1.3	18
152	Role of Physical Activity and Fitness in the Characterization and Prognosis of the Metabolically Healthy Obesity Phenotype: A Systematic Review and Meta-analysis. Progress in Cardiovascular Diseases, 2018, 61, 190-205.	1.6	100
153	Longitudinal associations between weather, season, and mode of commuting to school among Spanish youths. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2677-2685.	1.3	9
154	Changes in muscular fitness and its association with blood pressure in adolescents. European Journal of Pediatrics, 2018, 177, 1101-1109.	1.3	21
155	Hepatic fat content and bone mineral density in children with overweight/obesity. Pediatric Research, 2018, 84, 684-688.	1.1	10
156	Influence of Physical Activity on Bone Mineral Content and Density in Overweight and Obese Children with Low Adherence to the Mediterranean Dietary Pattern. Nutrients, 2018, 10, 1075.	1.7	10
157	Adolescentsâ€™ diet quality in relation to their relativesâ€™ and peersâ€™ diet engagement and encouragement: the Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) study. Public Health Nutrition, 2018, 21, 3192-3201.	1.1	12
158	Effect of sitagliptin on energy metabolism and brown adipose tissue in overweight individuals with prediabetes: a randomised placebo-controlled trial. Diabetologia, 2018, 61, 2386-2397.	2.9	19
159	Association of Breakfast Quality and Energy Density with Cardiometabolic Risk Factors in Overweight/Obese Children: Role of Physical Activity. Nutrients, 2018, 10, 1066.	1.7	12
160	The impact of using BARCIST 1.0 criteria on quantification of BAT volume and activity in three independent cohorts of adults. Scientific Reports, 2018, 8, 8567.	1.6	42
161	Physical activity, sedentary time, TV viewing, physical fitness and cardiovascular disease risk in adolescents: The HELENA study. International Journal of Cardiology, 2018, 254, 303-309.	0.8	61
162	The Fat but Fit paradox: what we know and donâ€™t know about it. British Journal of Sports Medicine, 2018, 52, 151-153.	3.1	126

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