Francisco M Acosta

List of Publications by Year
in descending order

45 papers	612 citations	759055 12 h-index	677027 22 g-index
47 all docs	47 docs citations	47 times ranked	737 citing authors

#	Article	IF	Citations
1	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
2	Heart rate rather than heart rate variability is better associated with cardiorespiratory fitness in adults. European Journal of Sport Science, 2022, 22, 836-845.	1.4	6
3	The Protective Role of Physical Fitness on Cardiometabolic Risk During Pregnancy: The GESTAtion and FITness Project. International Journal of Sport Nutrition and Exercise Metabolism, 2022, , 1-14.	1.0	1
4	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
5	Thermogenic responses to different clamped skin temperatures in cold-exposed men and women. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 323, R149-R160.	0.9	4
6	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
7	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
8	The Influence of Exercise, Lifestyle Behavior Components, and Physical Fitness on Maternal Weight Gain, Postpartum Weight Retention, and Excessive Gestational Weight Gain. International Journal of Sport Nutrition and Exercise Metabolism, 2022, 32, 425-438.	1.0	5
9	Objective and subjective measures of physical functioning in women with fibromyalgia: what type of measure is associated most clearly with subjective well-being?. Disability and Rehabilitation, 2021, 43, 1649-1656.	0.9	17
10	Association between dietary factors and brown adipose tissue volume/18F-FDG uptake in young adults. Clinical Nutrition, 2021, 40, 1997-2008.	2.3	8
11	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
12	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
13	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
14	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
15	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
16	Diurnal variations of cold-induced thermogenesis in young, healthy adults: A randomized crossover trial. Clinical Nutrition, 2021, 40, 5311-5321.	2.3	5
17	Association of sedentary time and physical activity levels with immunometabolic markers in early pregnancy: The GESTAFIT project. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 148-158.	1.3	11
18	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

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19	Energy Expenditure and Macronutrient Oxidation in Response to an Individualized Nonshivering Cooling Protocol. Obesity, 2020, 28, 2175-2183.	1.5	2
20	Eating Behavior, Physical Activity and Exercise Training: A Randomized Controlled Trial in Young Healthy Adults. Nutrients, 2020, 12, 3685.	1.7	9
21	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
22	Association of Neck Circumference with Anthropometric Indicators and Body Composition Measured by DXA in Young Spanish Adults. Nutrients, 2020, 12, 514.	1.7	14
23	Impact of Using Different Levels of Threshold-Based Artefact Correction on the Quantification of Heart Rate Variability in Three Independent Human Cohorts. Journal of Clinical Medicine, 2020, 9, 325.	1.0	40
24	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
25	Beyond general resistance training. Hypertrophy versus muscular endurance training as therapeutic interventions in adults with type 2 diabetes mellitus: A systematic review and metaâ€analysis. Obesity Reviews, 2020, 21, e13007.	3.1	31
26	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
27	Skin temperature response to a liquid meal intake is different in men than in women. Clinical Nutrition, 2019, 38, 1339-1347.	2.3	10
28	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
29	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
30	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
31	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
32	Energy expenditure differences across lying, sitting, and standing positions in young healthy adults. PLoS ONE, 2019, 14, e0217029.	1.1	17
33	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
34	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
35	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
36	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

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37	Comparability of accelerometer signal aggregation metrics across placements and dominant wrist cut points for the assessment of physical activity in adults. Scientific Reports, 2019, 9, 18235.	1.6	48
38	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
39	Association between brown adipose tissue and bone mineral density in humans. International Journal of Obesity, 2019, 43, 1516-1525.	1.6	4
40	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
41	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
42	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
43	Physiological responses to acute cold exposure in young lean men. PLoS ONE, 2018, 13, e0196543.	1.1	31
44	Differences between the most used equations in BAT-human studies to estimate parameters of skin temperature in young lean men. Scientific Reports, 2017, 7, 10530.	1.6	22
45	Activating brown adipose tissue through exercise (ACTIBATE) in young adults: Rationale, design and methodology. Contemporary Clinical Trials, 2015, 45, 416-425.	0.8	92