

Francisco M Acosta

List of Publications by Year in descending order

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Version: 2024-02-01

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	Activating brown adipose tissue through exercise (ACTIBATE) in young adults: Rationale, design and methodology. <i>Contemporary Clinical Trials</i> , 2015, 45, 416-425.	0.8	92
2	Comparability of accelerometer signal aggregation metrics across placements and dominant wrist cut points for the assessment of physical activity in adults. <i>Scientific Reports</i> , 2019, 9, 18235.	1.6	48
3	Impact of Using Different Levels of Threshold-Based Artefact Correction on the Quantification of Heart Rate Variability in Three Independent Human Cohorts. <i>Journal of Clinical Medicine</i> , 2020, 9, 325.	1.0	40
4	Physiological responses to acute cold exposure in young lean men. <i>PLoS ONE</i> , 2018, 13, e0196543.	1.1	31
5	Beyond general resistance training. Hypertrophy versus muscular endurance training as therapeutic interventions in adults with type 2 diabetes mellitus: A systematic review and meta-analysis. <i>Obesity Reviews</i> , 2020, 21, e13007.	3.1	31
6	Impact of data analysis methods for maximal fat oxidation estimation during exercise in sedentary adults. <i>European Journal of Sport Science</i> , 2019, 19, 1230-1239.	1.4	26
7	Differences between the most used equations in BAT-human studies to estimate parameters of skin temperature in young lean men. <i>Scientific Reports</i> , 2017, 7, 10530.	1.6	22
8	Association of objectively measured physical activity with brown adipose tissue volume and activity in young adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 223-233.	1.8	21
9	Objective and subjective measures of physical functioning in women with fibromyalgia: what type of measure is associated most clearly with subjective well-being?. <i>Disability and Rehabilitation</i> , 2021, 43, 1649-1656.	0.9	17
10	Energy expenditure differences across lying, sitting, and standing positions in young healthy adults. <i>PLoS ONE</i> , 2019, 14, e0217029.	1.1	17
11	Association of Neck Circumference with Anthropometric Indicators and Body Composition Measured by DXA in Young Spanish Adults. <i>Nutrients</i> , 2020, 12, 514.	1.7	14
12	Association of sedentary and physical activity time with maximal fat oxidation during exercise in sedentary adults. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1605-1614.	1.3	14
13	Brown adipose tissue volume and 18F-fluorodeoxyglucose uptake are not associated with energy intake in young human adults. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 329-339.	2.2	13
14	Association of wrist and ambient temperature with cold-induced brown adipose tissue and skeletal muscle [¹⁸ F]FDG uptake in young adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1281-R1288.	0.9	12
15	Concurrent validity of supraclavicular skin temperature measured with iButtons and infrared thermography as a surrogate marker of brown adipose tissue. <i>Journal of Thermal Biology</i> , 2019, 82, 186-196.	1.1	12
16	Relationship between the Daily Rhythm of Distal Skin Temperature and Brown Adipose Tissue [¹⁸ F]FDG Uptake in Young Sedentary Adults. <i>Journal of Biological Rhythms</i> , 2019, 34, 533-550.	1.4	11
17	Relationships between cardiorespiratory fitness/muscular strength and 18F-fluorodeoxyglucose uptake in brown adipose tissue after exposure to cold in young, sedentary adults. <i>Scientific Reports</i> , 2019, 9, 11314.	1.6	11
18	Sleep duration and quality are not associated with brown adipose tissue volume or activity as determined by 18F-FDG uptake, in young, sedentary adults. <i>Sleep</i> , 2019, 42, .	0.6	11

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19	Association of sedentary time and physical activity levels with immunometabolic markers in early pregnancy: The GESTAFIT project. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 148-158.	1.3	11
20	Body Composition Impact on Sleep in Young Adults: The Mediating Role of Sedentariness, Physical Activity, and Diet. <i>Journal of Clinical Medicine</i> , 2020, 9, 1560.	1.0	11
21	Brown Adipose Tissue Volume and Fat Content Are Positively Associated With Whole-Body Adiposity in Young Men—Not in Women. <i>Diabetes</i> , 2021, 70, 1473-1485.	0.3	11
22	Skin temperature response to a liquid meal intake is different in men than in women. <i>Clinical Nutrition</i> , 2019, 38, 1339-1347.	2.3	10
23	Estimation of non-shivering thermogenesis and cold-induced nutrient oxidation rates: Impact of method for data selection and analysis. <i>Clinical Nutrition</i> , 2019, 38, 2168-2174.	2.3	10
24	Near-Infrared Spatially Resolved Spectroscopy as an Indirect Technique to Assess Brown Adipose Tissue in Young Women. <i>Molecular Imaging and Biology</i> , 2019, 21, 328-338.	1.3	9
25	Evidence of high ¹⁸ F-fluorodeoxyglucose uptake in the subcutaneous adipose tissue of the dorsocervical area in young adults. <i>Experimental Physiology</i> , 2019, 104, 168-173.	0.9	9
26	Eating Behavior, Physical Activity and Exercise Training: A Randomized Controlled Trial in Young Healthy Adults. <i>Nutrients</i> , 2020, 12, 3685.	1.7	9
27	Neck adipose tissue accumulation is associated with higher overall and central adiposity, a higher cardiometabolic risk, and a pro-inflammatory profile in young adults. <i>International Journal of Obesity</i> , 2021, 45, 733-745.	1.6	9
28	Association between dietary factors and brown adipose tissue volume/ ¹⁸ F-FDG uptake in young adults. <i>Clinical Nutrition</i> , 2021, 40, 1997-2008.	2.3	8
29	Exercise-induced changes on exerkines that might influence brown adipose tissue metabolism in young sedentary adults. <i>European Journal of Sport Science</i> , 2023, 23, 625-636.	1.4	8
30	Supraclavicular skin temperature measured by iButtons and ¹⁸ F-fluorodeoxyglucose uptake by brown adipose tissue in adults. <i>Journal of Thermal Biology</i> , 2019, 82, 178-185.	1.1	6
31	Heart rate rather than heart rate variability is better associated with cardiorespiratory fitness in adults. <i>European Journal of Sport Science</i> , 2022, 22, 836-845.	1.4	6
32	Impact of an intermittent and localized cooling intervention on skin temperature, sleep quality and energy expenditure in free-living, young, healthy adults. <i>Journal of Thermal Biology</i> , 2021, 97, 102875.	1.1	5
33	Deciphering the constrained total energy expenditure model in humans by associating accelerometer-measured physical activity from wrist and hip. <i>Scientific Reports</i> , 2021, 11, 12302.	1.6	5
34	Diurnal variations of cold-induced thermogenesis in young, healthy adults: A randomized crossover trial. <i>Clinical Nutrition</i> , 2021, 40, 5311-5321.	2.3	5
35	The Influence of Exercise, Lifestyle Behavior Components, and Physical Fitness on Maternal Weight Gain, Postpartum Weight Retention, and Excessive Gestational Weight Gain. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2022, 32, 425-438.	1.0	5
36	Brown Adipose Tissue and Skeletal Muscle ¹⁸ F-FDG Activity After a Personalized Cold Exposure Is Not Associated With Cold-Induced Thermogenesis and Nutrient Oxidation Rates in Young Healthy Adults. <i>Frontiers in Physiology</i> , 2018, 9, 1577.	1.3	4

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37	Association between brown adipose tissue and bone mineral density in humans. International Journal of Obesity, 2019, 43, 1516-1525.	1.6	4
38	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
39	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
40	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
41	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
42	Energy Expenditure and Macronutrient Oxidation in Response to an Individualized Nonshivering Cooling Protocol. Obesity, 2020, 28, 2175-2183.	1.5	2
43	The Mediating Role of Brown Fat and Skeletal Muscle Measured by ¹⁸ F-Fluorodeoxyglucose in the Thermoregulatory System in Young Adults. Obesity, 2019, 27, 963-970.	1.5	1
44	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
45	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