

Francesca Amati

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,255
citations

218381

26
h-index

214527

47
g-index

52
all docs

52
docs citations

52
times ranked

5054
citing authors

#	ARTICLE	IF	CITATIONS
1	Skeletal Muscle Triglycerides, Diacylglycerols, and Ceramides in Insulin Resistance. <i>Diabetes</i> , 2011, 60, 2588-2597.	0.3	340
2	Exercise-induced alterations in intramyocellular lipids and insulin resistance: the athlete's paradox revisited. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E882-E888.	1.8	302
3	Skeletal Muscle Mitochondrial Energetics Are Associated With Maximal Aerobic Capacity and Walking Speed in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 447-455.	1.7	240
4	Enhanced Respiratory Chain Supercomplex Formation in Response to Exercise in Human Skeletal Muscle. <i>Cell Metabolism</i> , 2017, 25, 301-311.	7.2	213
5	Effects of weight loss and exercise on insulin resistance, and intramyocellular triacylglycerol, diacylglycerol and ceramide. <i>Diabetologia</i> , 2011, 54, 1147-1156.	2.9	203
6	Physical Inactivity and Obesity Underlie the Insulin Resistance of Aging. <i>Diabetes Care</i> , 2009, 32, 1547-1549.	4.3	193
7	Insulin Resistance Is Associated With Higher Intramyocellular Triglycerides in Type I but Not Type II Myocytes Concomitant With Higher Ceramide Content. <i>Diabetes</i> , 2010, 59, 80-88.	0.3	182
8	Chronic Exercise Preserves Lean Muscle Mass in Masters Athletes. <i>Physician and Sportsmedicine</i> , 2011, 39, 172-178.	1.0	118
9	Skeletal Muscle Mitochondria in the Elderly: Effects of Physical Fitness and Exercise Training. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 1852-1861.	1.8	114
10	A novel approach to measure mitochondrial respiration in frozen biological samples. <i>EMBO Journal</i> , 2020, 39, e104073.	3.5	110
11	Moderate Exercise Attenuates the Loss of Skeletal Muscle Mass That Occurs With Intentional Caloric Restriction-Induced Weight Loss in Older, Overweight to Obese Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 575-580.	1.7	108
12	Abrupt decrease in serum testosterone levels after an oral glucose load in men: implications for screening for hypogonadism. <i>Clinical Endocrinology</i> , 2013, 78, 291-296.	1.2	91
13	Exercise Dose and Insulin Sensitivity. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 793-799.	0.2	83
14	Skeletal Muscle Mitochondrial Function and Fatigability in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1379-1385.	1.7	79
15	Distinct patterns of skeletal muscle mitochondria fusion, fission and mitophagy upon duration of exercise training. <i>Acta Physiologica</i> , 2019, 225, e13179.	1.8	79
16	Separate and combined effects of exercise training and weight loss on exercise efficiency and substrate oxidation. <i>Journal of Applied Physiology</i> , 2008, 105, 825-831.	1.2	68
17	Lower Thigh Subcutaneous and Higher Visceral Abdominal Adipose Tissue Content Both Contribute to Insulin Resistance. <i>Obesity</i> , 2012, 20, 1115-1117.	1.5	62
18	Calorie Restriction-induced Weight Loss and Exercise Have Differential Effects on Skeletal Muscle Mitochondria Despite Similar Effects on Insulin Sensitivity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 81-87.	1.7	59

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19	Vertebral bone marrow fat, bone mineral density and diabetes: The Osteoporotic Fractures in Men (MrOS) study. <i>Bone</i> , 2017, 97, 299-305.	1.4	57
20	Tanycytes Regulate Lipid Homeostasis by Sensing Free Fatty Acids and Signaling to Key Hypothalamic Neuronal Populations via FGF21 Secretion. <i>Cell Metabolism</i> , 2019, 30, 833-844.e7.	7.2	57
21	Revisiting the diacylglycerol-induced insulin resistance hypothesis. <i>Obesity Reviews</i> , 2012, 13, 40-50.	3.1	49
22	Scaf1 promotes respiratory supercomplexes and metabolic efficiency in zebrafish. <i>EMBO Reports</i> , 2020, 21, e50287.	2.0	42
23	Exercise efficiency relates with mitochondrial content and function in older adults. <i>Physiological Reports</i> , 2015, 3, e12418.	0.7	35
24	Skeletal muscle mitochondrial and lipid droplet content assessed with standardized grid sizes for stereology. <i>Journal of Applied Physiology</i> , 2013, 115, 765-770.	1.2	33
25	The relationship between mitochondrial function and walking performance in older adults with a wide range of physical function. <i>Experimental Gerontology</i> , 2016, 81, 1-7.	1.2	33
26	Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. <i>ELife</i> , 2021, 10, .	2.8	31
27	Muscle Characteristics and Substrate Energetics in Lifelong Endurance Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 472-480.	0.2	29
28	Improvements in Insulin Sensitivity Are Blunted by Subclinical Hypothyroidism. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 265-269.	0.2	26
29	Spastin mutations impair coordination between lipid droplet dispersion and reticulum. <i>PLoS Genetics</i> , 2020, 16, e1008665.	1.5	21
30	Reassessing the Role of Diacylglycerols in Insulin Resistance. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 618-635.	3.1	19
31	Hybrid fiber alterations in exercising seniors suggest contribution to fast-to-slow muscle fiber shift. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 687-695.	2.9	19
32	Molecular codes and in vitro generation of hypocretin and melanin concentrating hormone neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17061-17070.	3.3	17
33	Mitochondria in Embryogenesis: An Organogenesis Perspective. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 282.	1.8	16
34	Eating Habits of Professional Firefighters. <i>Journal of Occupational and Environmental Medicine</i> , 2019, 61, e183-e190.	0.9	16
35	Separation of small metabolites and lipids in spectra from biopsies by diffusion-weighted HR-MAS NMR: a feasibility study. <i>Analyst</i> , The, 2015, 140, 272-279.	1.7	14
36	Thigh and abdominal adipose tissue depot associations with testosterone levels in postmenopausal females. <i>Clinical Endocrinology</i> , 2019, 90, 433-439.	1.2	12

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37	Enhancing regular physical activity and relapse prevention through a 1-day therapeutic patient education workshop: A pilot study. <i>Patient Education and Counseling</i> , 2007, 68, 70-78.	1.0	11
38	Decreasing Insulin Sensitivity in Women Induces Alterations in LH Pulsatility. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3240-3249.	1.8	11
39	Renal tubular arginase ϵ 2 participates in the formation of the corticomedullary urea gradient and attenuates kidney damage in ischemia ϵ reperfusion injury in mice. <i>Acta Physiologica</i> , 2020, 229, e13457.	1.8	10
40	Polyclonal hypergammaglobulinaemia with hyperviscosity syndrome. <i>British Journal of Haematology</i> , 2002, 116, 2-2.	1.2	9
41	Energy, Nutrient and Food Intakes of Male Shift Workers Vary According to the Schedule Type but Not the Number of Nights Worked. <i>Nutrients</i> , 2020, 12, 919.	1.7	9
42	The evolutionarily conserved miRNA-137 targets the neuropeptide hypocretin/orexin and modulates the wake to sleep ratio. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112225119.	3.3	9
43	Regional fat mobilization and training type on sedentary, premenopausal overweight and obese women. <i>Obesity</i> , 2014, 22, 86-93.	1.5	7
44	Educational Level Is Related to Physical Fitness in Patients with Type 2 Diabetes ϵ A Cross-Sectional Study. <i>PLoS ONE</i> , 2016, 11, e0164176.	1.1	6
45	Exercise Testing in Individuals With Diabetes, Practical Considerations for Exercise Physiologists. <i>Frontiers in Physiology</i> , 2019, 10, 1257.	1.3	4
46	Evidence of systematic and proportional error in a widely used glucose oxidase analyser: Impact for clinical research?. <i>Clinical Endocrinology</i> , 2014, 80, 768-770.	1.2	2
47	Classical homocystinuria, is it safe to exercise?. <i>Molecular Genetics and Metabolism Reports</i> , 2021, 27, 100746.	0.4	1
48	Triglyceride and HDL. <i>Current Opinion in Lipidology</i> , 2014, 25, 404-405.	1.2	0
49	Acetate is the master of its fate, genetics, and molecular biology bimonthly update. <i>Current Opinion in Lipidology</i> , 2016, 27, 636-637.	1.2	0