

Clara Prats

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/701037/clara-prats-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,801
citations

25
h-index

42
g-index

49
ext. papers

2,083
ext. citations

3.8
avg. IF

4.43
L-index

#	Paper	IF	Citations
49	Low-Grade Inflammation Is Not Present in Former Obese Males but Adipose Tissue Macrophage Infiltration Persists. <i>Biomedicines</i> , 2020 , 8,	4.8	3
48	Nicotinamide riboside does not alter mitochondrial respiration, content or morphology in skeletal muscle from obese and insulin-resistant men. <i>Journal of Physiology</i> , 2020 , 598, 731-754	3.9	53
47	Endoplasmic Reticulum Chaperone Glucose-Regulated Protein 94 Is Essential for Proinsulin Handling. <i>Diabetes</i> , 2019 , 68, 747-760	0.9	26
46	PGC-1 β regulates mitochondrial properties beyond biogenesis with aging and exercise training. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E513-E525	6	20
45	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. <i>Diabetes</i> , 2019 , 68, 502-514	0.9	11
44	The dynamic life of the glycogen granule. <i>Journal of Biological Chemistry</i> , 2018 , 293, 7089-7098	5.4	70
43	Perturbations of NAD salvage systems impact mitochondrial function and energy homeostasis in mouse myoblasts and intact skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 314, E377-E395	6	26
42	Simvastatin-Induced Insulin Resistance May Be Linked to Decreased Lipid Uptake and Lipid Synthesis in Human Skeletal Muscle: the LIFESTAT Study. <i>Journal of Diabetes Research</i> , 2018 , 2018, 9257874	3.9	14
41	Obesity leads to impairments in the morphology and organization of human skeletal muscle lipid droplets and mitochondrial networks, which are resolved with gastric bypass surgery-induced improvements in insulin sensitivity. <i>Acta Physiologica</i> , 2018 , 224, e13100	5.6	13
40	Exercise training protects against aging-induced mitochondrial fragmentation in mouse skeletal muscle in a PGC-1 β dependent manner. <i>Experimental Gerontology</i> , 2017 , 96, 1-6	4.5	44
39	Macrophage Area Content and Phenotype in Hepatic and Adipose Tissue in Patients with Obesity Undergoing Roux-en-Y Gastric Bypass. <i>Obesity</i> , 2017 , 25, 1921-1931	8	7
38	Raman probing of lipids, proteins, and mitochondria in skeletal myocytes: a case study on obesity. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 1158-1165	2.3	10
37	Repeated Excessive Exercise Attenuates the Anti-Inflammatory Effects of Exercise in Older Men. <i>Frontiers in Physiology</i> , 2017 , 8, 407	4.6	10
36	Effects of immobilization and aerobic training on proteins related to intramuscular substrate storage and metabolism in young and older men. <i>European Journal of Applied Physiology</i> , 2016 , 116, 481-494	3.4	7
35	Higher muscle content of perilipin 5 and endothelial lipase protein in trained than untrained middle-aged men. <i>Physiological Research</i> , 2016 , 65, 293-302	2.1	9
34	The effect of age and unilateral leg immobilization for 2 weeks on substrate utilization during moderate-intensity exercise in human skeletal muscle. <i>Journal of Physiology</i> , 2016 , 594, 2339-58	3.9	16
33	Hepatic mitochondrial oxidative phosphorylation is normal in obese patients with and without type 2 diabetes. <i>Journal of Physiology</i> , 2016 , 594, 4351-8	3.9	18

32	Three-dimensional reconstruction of the human skeletal muscle mitochondrial network as a tool to assess mitochondrial content and structural organization. <i>Acta Physiologica</i> , 2015 , 213, 145-55	5.6	60
31	Ultrastructural myocardial changes in seven cats with spontaneous hypertrophic cardiomyopathy. <i>Journal of Veterinary Cardiology</i> , 2015 , 17 Suppl 1, S220-32	1.9	7
30	Human muscle fibre type-specific regulation of AMPK and downstream targets by exercise. <i>Journal of Physiology</i> , 2015 , 593, 2053-69	3.9	65
29	Akt and Rac1 signaling are jointly required for insulin-stimulated glucose uptake in skeletal muscle and downregulated in insulin resistance. <i>Cellular Signalling</i> , 2014 , 26, 323-31	4.9	101
28	Exercise interventions to prevent and manage type 2 diabetes: physiological mechanisms. <i>Medicine and Sport Science</i> , 2014 , 60, 36-47		13
27	Ceramide content is higher in type I compared to type II fibers in obesity and type 2 diabetes mellitus. <i>Acta Diabetologica</i> , 2013 , 50, 705-12	3.9	9
26	Effect of lifelong resveratrol supplementation and exercise training on skeletal muscle oxidative capacity in aging mice; impact of PGC-1 α . <i>Experimental Gerontology</i> , 2013 , 48, 1311-8	4.5	47
25	Contraction-induced lipolysis is not impaired by inhibition of hormone-sensitive lipase in skeletal muscle. <i>Journal of Physiology</i> , 2013 , 591, 5141-55	3.9	31
24	LKB1 regulates lipid oxidation during exercise independently of AMPK. <i>Diabetes</i> , 2013 , 62, 1490-9	0.9	54
23	Rac1 is a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. <i>Diabetes</i> , 2013 , 62, 1139-51	0.9	103
22	Subcellular localization and mechanism of secretion of vascular endothelial growth factor in human skeletal muscle. <i>FASEB Journal</i> , 2013 , 27, 3496-504	0.9	45
21	Rac1 signaling is required for insulin-stimulated glucose uptake and is dysregulated in insulin-resistant murine and human skeletal muscle. <i>Diabetes</i> , 2013 , 62, 1865-75	0.9	128
20	Impaired mitochondrial function in chronically ischemic human heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 304, H1407-14	5.2	20
19	Adipocyte size and cellular expression of caveolar proteins analyzed by confocal microscopy. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 304, C1168-75	5.4	7
18	An optimized histochemical method to assess skeletal muscle glycogen and lipid stores reveals two metabolically distinct populations of type I muscle fibers. <i>PLoS ONE</i> , 2013 , 8, e77774	3.7	26
17	Human skeletal muscle perilipin 2 and 3 expression varies with insulin sensitivity. <i>Journal of Biomedical Science and Engineering</i> , 2013 , 06, 65-72	0.7	5
16	Intracellular compartmentalization of skeletal muscle glycogen metabolism and insulin signalling. <i>Experimental Physiology</i> , 2011 , 96, 385-90	2.4	16
15	Opposite effects of pioglitazone and rosiglitazone on mitochondrial respiration in skeletal muscle of patients with type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2010 , 12, 806-14	6.7	30

14	FAT/CD36 is localized in sarcolemma and in vesicle-like structures in subsarcolemma regions but not in mitochondria. <i>Journal of Lipid Research</i> , 2010 , 51, 1504-12	6.3	24
13	Cardiac and metabolic changes in long-term high fructose-fat fed rats with severe obesity and extensive intramyocardial lipid accumulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R1560-70	3.2	53
12	Muscle ceramide content in man is higher in type I than type II fibers and not influenced by glycogen content. <i>European Journal of Applied Physiology</i> , 2010 , 109, 935-43	3.4	10
11	Dual regulation of muscle glycogen synthase during exercise by activation and compartmentalization. <i>Journal of Biological Chemistry</i> , 2009 , 284, 15692-700	5.4	65
10	Denervation and high-fat diet reduce insulin signaling in T-tubules in skeletal muscle of living mice. <i>Diabetes</i> , 2008 , 57, 13-23	0.9	32
9	Oxidative stress and mitochondrial impairment can be separated from lipofuscin accumulation in aged human skeletal muscle. <i>Aging Cell</i> , 2007 , 6, 245-56	9.9	116
8	Blood vessels and desmin control the positioning of nuclei in skeletal muscle fibers. <i>Journal of Cellular Physiology</i> , 2006 , 209, 874-82	7	71
7	Decrease in intramuscular lipid droplets and translocation of HSL in response to muscle contraction and epinephrine. <i>Journal of Lipid Research</i> , 2006 , 47, 2392-9	6.3	79
6	Imaging of insulin signaling in skeletal muscle of living mice shows major role of T-tubules. <i>Diabetes</i> , 2006 , 55, 1300-6	0.9	71
5	Disturbances of the sarcoplasmic reticulum and transverse tubular system in 24-h electrostimulated fast-twitch skeletal muscle. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005 , 1668, 64-74	3.8	5
4	Phosphorylation-dependent translocation of glycogen synthase to a novel structure during glycogen resynthesis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 23165-72	5.4	51
3	Differences between glycogen biogenesis in fast- and slow-twitch rabbit muscle. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003 , 1620, 65-71	4	6
2	Glycogen depletion and resynthesis during 14 days of chronic low-frequency stimulation of rabbit muscle. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002 , 1573, 68-74	4	6
1	The muscle-specific protein phosphatase PP1G/R(GL)(G(M)) is essential for activation of glycogen synthase by exercise. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39959-67	5.4	88