Joan Aureli Cadefau

List of Publications by Year
in descending order

45	1,251	471509 17	361022 35
papers	citations	h-index	g-index

47	47	47	1723
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A short training programme for the rapid improvement of both aerobic and anaerobic metabolism. European Journal of Applied Physiology, 2000, 82, 480-486.	2.5	175
2	Circulating miR-192 and miR-193b Are Markers of Prediabetes and Are Modulated by an Exercise Intervention. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E407-E415.	3.6	127
3	The distribution of rest periods affects performance and adaptations of energy metabolism induced by high-intensity training in human muscle. Acta Physiologica Scandinavica, 2000, 169, 157-165.	2.2	101
4	A Novel Role of Neuregulin in Skeletal Muscle. Journal of Biological Chemistry, 2001, 276, 18257-18264.	3.4	98
5	Biochemical and histochemical adaptation to sprint training in young athletes. Acta Physiologica Scandinavica, 1990, 140, 341-351.	2.2	81
6	Phosphorylation-dependent Translocation of Glycogen Synthase to a Novel Structure during Glycogen Resynthesis. Journal of Biological Chemistry, 2005, 280, 23165-23172.	3.4	57
7	GLUT1 glucose transporter gene transcription is repressed by Sp3. Evidence for a regulatory role of Sp3 during myogenesis 1 1Edited by M. Yaniv. Journal of Molecular Biology, 1999, 294, 103-119.	4.2	53
8	Metabolic adaptations to short-term training are expressed early in submaximal exercise. Canadian Journal of Physiology and Pharmacology, 1995, 73, 474-482.	1.4	42
9	New insight into the regulation of liver glycogen metabolism by glucose. Biochemical Society Transactions, 1997, 25, 19-25.	3.4	42
10	Coupling of muscle phosphorylation potential to glycolysis during work after short-term training. Journal of Applied Physiology, 1994, 76, 2586-2593.	2.5	32
11	Fast and slow myosins as markers of muscle injury. British Journal of Sports Medicine, 2008, 42, 581-584.	6.7	32
12	GLUT-4 and GLUT-1 glucose transporter expression is differentially regulated by contractile activity in skeletal muscle. Journal of Biological Chemistry, 1993, 268, 14998-5003.	3.4	32
13	Early Functional and Morphological Muscle Adaptations During Short-Term Inertial-Squat Training. Frontiers in Physiology, 2018, 9, 1265.	2.8	29
14	Muscle enzyme and fiber typeâ€specific sarcomere protein increases in serum after inertial concentricâ€eccentric exercise. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, e547-57.	2.9	27
15	EFFECTS OF ETHANOL AND ACETALDEHYDE ON THE ENZYMES OF GLYCOGEN METABOLISM. Alcohol and Alcoholism, 1989, 24, 291-297.	1.6	24
16	Metabolic adaptations in skeletal muscle after 84 days of bed rest with and without concurrent flywheel resistance exercise. Journal of Applied Physiology, 2017, 122, 96-103.	2.5	24
17	Responses of fatigable and fatigue-resistant fibres of rabbit muscle to low-frequency stimulation. Pflugers Archiv European Journal of Physiology, 1993, 424, 529-537.	2.8	20
18	Sex differences in thigh muscle volumes, sprint performance and mechanical properties in national-level sprinters. PLoS ONE, 2019, 14, e0224862.	2.5	20

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19	Sarcomere Disruptions of Slow Fiber Resulting From Mountain Ultramarathon. International Journal of Sports Physiology and Performance, 2015, 10, 1041-1047.	2.3	19
20	7-Carbon mimics of D-glucose and L-fucose: Activation by 6R-, and inactivation by 6S, -6C-methylglucose of glycogen synthase: Inhibition of glucokinase and/or glucose-6-phosphatase. Tetrahedron Letters, 1996, 37, 7155-7158.	1.4	17
21	Effects of dietary cis and trans unsaturated and saturated fatty acids on the glucose metabolites and enzymes of rats. British Journal of Nutrition, 2006, 95, 947-954.	2.3	16
22	Effect of chronic electrostimulation of rabbit skeletal muscle on calmodulin level and protein kinase activity. International Journal of Biochemistry and Cell Biology, 1999, 31, 303-310.	2.8	15
23	Advances in Exercise, Physical Activity, and Diabetes Mellitus. Diabetes Technology and Therapeutics, 2016, 18, S-76-S-85.	4.4	15
24	Skeletal muscle signaling, metabolism, and performance during sprint exercise in severe acute hypoxia after the ingestion of antioxidants. Journal of Applied Physiology, 2017, 123, 1235-1245.	2.5	14
25	The first example of a : Inhibition of glucokinase. Tetrahedron: Asymmetry, 1996, 7, 2761-2772.	1.8	12
26	Time Course and Association of Functional and Biochemical Markers in Severe Semitendinosus Damage Following Intensive Eccentric Leg Curls: Differences between and within Subjects. Frontiers in Physiology, 2018, 9, 54.	2.8	12
27	Hypertrophic muscle changes and sprint performance enhancement during a sprintâ€based training macrocycle in nationalâ€level sprinters. European Journal of Sport Science, 2020, 20, 793-802.	2.7	12
28	Altered glucose 1,6-bisphosphate and fructose 2,6-biphosphate levels in low-frequency stimulated rabbit fast-twitch muscle. FEBS Letters, 1991, 282, 107-109.	2.8	11
29	Hamstring Muscle Volume as an Indicator of Sprint Performance. Journal of Strength and Conditioning Research, 2021, 35, 902-909.	2.1	11
30	Effects of High Velocity Elastic Band versus Heavy Resistance Training on Hamstring Strength, Activation, and Sprint Running Performance. Journal of Sports Science and Medicine, 2017, 16, 239-246.	1.6	10
31	Effect of Chronic Alcoholism on Human Muscle Glycogen and Glucose Metabolism. Alcoholism: Clinical and Experimental Research, 1995, 19, 1295-1299.	2.4	9
32	Contractile Activity Modifies Fru-2,6-P2 Metabolism in Rabbit Fast Twitch Skeletal Muscle. Journal of Biological Chemistry, 1999, 274, 31961-31966.	3.4	8
33	Changes of skeletal muscle proteases activities during a chronic low-frequency stimulation period. Pflugers Archiv European Journal of Physiology, 2001, 442, 745-751.	2.8	6
34	Glycogen depletion and resynthesis during 14 days of chronic low-frequency stimulation of rabbit muscle. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 68-74.	2.4	6
35	Differences between glycogen biogenesis in fast- and slow-twitch rabbit muscle. Biochimica Et Biophysica Acta - General Subjects, 2003, 1620, 65-71.	2.4	6
36	The changes in the energy metabolism of human muscle induced by training. Journal of Theoretical Biology, 2008, 252, 402-410.	1.7	6

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37	Upregulation of heart PFK-2/FBPase-2 isozyme in skeletal muscle after persistent contraction. Pflugers Archiv European Journal of Physiology, 2012, 463, 603-613.	2.8	6
38	Fibre-type-specific and Mitochondrial Biomarkers of Muscle Damage after Mountain Races. International Journal of Sports Medicine, 2019, 40, 253-262.	1.7	6
39	Integrating External and Internal Load for Monitoring Fitness and Fatigue Status in Standard Microcycles in Elite Rink Hockey. Frontiers in Physiology, 2021, 12, 698463.	2.8	6
40	Disturbances of the sarcoplasmic reticulum and transverse tubular system in 24-h electrostimulated fast-twitch skeletal muscle. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1668, 64-74.	2.6	5
41	Initial Maximum Push-Rim Propulsion and Sprint Performance in Elite Wheelchair Rugby Players. Journal of Strength and Conditioning Research, 2019, 33, 857-865.	2.1	3
42	Glucose 1,6-bisphosphate and fructose 2,6-bisphosphate in muscle from healthy humans and chronic alcoholic patients. Alcohol and Alcoholism, 1992, 27, 253-6.	1.6	2
43	Assessment of muscle fiber adaptation in footballers using a new ELISA assay of myosin isoforms. Journal of Sports Medicine and Physical Fitness, 2019, 59, 1828-1834.	0.7	1
44	GLUCOSE 1, 6-BISPHOSPHATE AND FRUCTOSE 2, 6-BISPHOSPHATE IN MUSCLE FROM HEALTHY HUMANS AND CHRONIC ALCOHOLIC PATIENTS. Alcohol and Alcoholism, 0, , .	1.6	0
45	DEPORTE Y FUNCIÃ“N SINÃPTICA NEURONAL: INFLUENCIA DEL EJERCICIO FÃSICO EN LA ATENCIÃ“N, LA MEMORIA Y EL CÃLCULO EN ALUMNOS ESCOLARES DE SEIS Y SIETE AÃ‘OS. , 0, , 35-44.		0