

Joachim S Nielsen

List of Publications by Citations

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34
papers

1,754
citations

17
h-index

38
g-index

38
ext. papers

2,184
ext. citations

4.3
avg, IF

4.66
L-index

#	Paper	IF	Citations
34	Biomarkers of mitochondrial content in skeletal muscle of healthy young human subjects. <i>Journal of Physiology</i> , 2012 , 590, 3349-60	3.9	665
33	Muscle glycogen stores and fatigue. <i>Journal of Physiology</i> , 2013 , 591, 4405-13	3.9	168
32	Role of glycogen availability in sarcoplasmic reticulum Ca ²⁺ kinetics in human skeletal muscle. <i>Journal of Physiology</i> , 2011 , 589, 711-25	3.9	128
31	Increased subsarcolemmal lipids in type 2 diabetes: effect of training on localization of lipids, mitochondria, and glycogen in sedentary human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E706-13	6	116
30	Plasticity in mitochondrial cristae density allows metabolic capacity modulation in human skeletal muscle. <i>Journal of Physiology</i> , 2017 , 595, 2839-2847	3.9	90
29	Maximal voluntary contraction force, SR function and glycogen resynthesis during the first 72 h after a high-level competitive soccer game. <i>European Journal of Applied Physiology</i> , 2011 , 111, 2987-95	3.4	90
28	Human skeletal muscle glycogen utilization in exhaustive exercise: role of subcellular localization and fibre type. <i>Journal of Physiology</i> , 2011 , 589, 2871-85	3.9	68
27	Distinct effects of subcellular glycogen localization on tetanic relaxation time and endurance in mechanically skinned rat skeletal muscle fibres. <i>Journal of Physiology</i> , 2009 , 587, 3679-90	3.9	59
26	Subcellular distribution of glycogen and decreased tetanic Ca ²⁺ in fatigued single intact mouse muscle fibres. <i>Journal of Physiology</i> , 2014 , 592, 2003-12	3.9	45
25	The Muscle Fiber Profiles, Mitochondrial Content, and Enzyme Activities of the Exceptionally Well-Trained Arm and Leg Muscles of Elite Cross-Country Skiers. <i>Frontiers in Physiology</i> , 2018 , 9, 1031	4.6	39
24	Subcellular localization-dependent decrements in skeletal muscle glycogen and mitochondria content following short-term disuse in young and old men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E1053-60	6	38
23	Muscle glycogen and cell function--Location, location, location. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25 Suppl 4, 34-40	4.6	29
22	Physiological aspects of the subcellular localization of glycogen in skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 91-9	3	26
21	Local depletion of glycogen with supramaximal exercise in human skeletal muscle fibres. <i>Journal of Physiology</i> , 2017 , 595, 2809-2821	3.9	25
20	Lipid droplet size and location in human skeletal muscle fibers are associated with insulin sensitivity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017 , 313, E721-E730	6	21
19	Skeletal muscle glycogen content and particle size of distinct subcellular localizations in the recovery period after a high-level soccer match. <i>European Journal of Applied Physiology</i> , 2012 , 112, 3559-67	3.4	21
18	Fundamental constraints in synchronous muscle limit superfast motor control in vertebrates. <i>ELife</i> , 2017 , 6,	8.9	20

17	High-intensity interval, but not endurance, training induces muscle fiber type-specific subsarcolemmal lipid droplet size reduction in type 2 diabetic patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E872-E884	6	16
16	Pronounced limb and fibre type differences in subcellular lipid droplet content and distribution in elite skiers before and after exhaustive exercise. <i>Journal of Physiology</i> , 2017 , 595, 5781-5795	3.9	15
15	Inhibition of glycogenolysis prolongs action potential repriming period and impairs muscle function in rat skeletal muscle. <i>Journal of Physiology</i> , 2020 , 598, 789-803	3.9	14
14	Heterogeneity in subcellular muscle glycogen utilisation during exercise impacts endurance capacity in men. <i>Journal of Physiology</i> , 2020 , 598, 4271-4292	3.9	12
13	Enhanced Glycogen Storage of a Subcellular Hot Spot in Human Skeletal Muscle during Early Recovery from Eccentric Contractions. <i>PLoS ONE</i> , 2015 , 10, e0127808	3.7	9
12	Subcellular localization- and fibre type-dependent utilization of muscle glycogen during heavy resistance exercise in elite power and Olympic weightlifters. <i>Acta Physiologica</i> , 2021 , 231, e13561	5.6	8
11	Nampt controls skeletal muscle development by maintaining Ca homeostasis and mitochondrial integrity. <i>Molecular Metabolism</i> , 2021 , 53, 101271	8.8	7
10	Utilization of biomarkers as predictors of skeletal muscle mitochondrial content after physiological intervention and in clinical settings. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 318, E886-E889	6	6
9	Effects of Acute Exercise and Training on the Sarcoplasmic Reticulum Ca Release and Uptake Rates in Highly Trained Endurance Athletes. <i>Frontiers in Physiology</i> , 2020 , 11, 810	4.6	5
8	Mitochondrial Structure and Function in the Metabolic Myopathy Accompanying Patients with Critical Limb Ischemia. <i>Cells</i> , 2020 , 9,	7.9	4
7	Low Oxygen Tension Enhances Expression of Myogenic Genes When Human Myoblasts Are Activated from G0 Arrest. <i>PLoS ONE</i> , 2016 , 11, e0158860	3.7	3
6	Comment on: "Changes in Skeletal Muscle Glycogen Content in Professional Soccer Players before and after a Match by a NonInvasive MuscleSound Technology. A Cross Sectional Pilot Study <i>Nutrients</i> 2020, 12(4), 971". <i>Nutrients</i> , 2020 , 12,	6.7	2
5	Glycogen supercompensation is due to increased number, not size, of glycogen particles in human skeletal muscle. <i>Experimental Physiology</i> , 2021 , 106, 1272-1284	2.4	2
4	Short-term intensified training temporarily impairs mitochondrial respiratory capacity in elite endurance athletes. <i>Journal of Applied Physiology</i> , 2021 , 131, 388-400	3.7	1
3	Myocardial subcellular glycogen distribution and sarcoplasmic reticulum Ca handling: effects of ischaemia, reperfusion and ischaemic preconditioning. <i>Journal of Muscle Research and Cell Motility</i> , 2021 , 42, 17-31	3.5	1
2	Reply from Joachim Nielsen, Kasper D. Gejl and Niels Fthenblad. <i>Journal of Physiology</i> , 2017 , 595, 2987-2989	3.9	1
1	Exercise and Muscle Glycogen Metabolism. <i>Physiology in Health and Disease</i> , 2022 , 71-114	0.2	