

Niels rtenblad

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85
papers

2,870
citations

31
h-index

51
g-index

95
ext. papers

3,408
ext. citations

4
avg, IF

5.16
L-index

#	Paper	IF	Citations
85	Effects of aging on human skeletal muscle after immobilization and retraining. <i>Journal of Applied Physiology</i> , 2009 , 107, 1172-80	3.7	240
84	Muscle glycogen stores and fatigue. <i>Journal of Physiology</i> , 2013 , 591, 4405-13	3.9	168
83	Xanthine oxidase in human skeletal muscle following eccentric exercise: a role in inflammation. <i>Journal of Physiology</i> , 1997 , 498 (Pt 1), 239-48	3.9	155
82	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
81	Effects of aging on muscle mechanical function and muscle fiber morphology during short-term immobilization and subsequent retraining. <i>Journal of Applied Physiology</i> , 2010 , 109, 1628-34	3.7	123
80	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
79	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
78	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
77	Aging impairs the recovery in mechanical muscle function following 4 days of disuse. <i>Experimental Gerontology</i> , 2014 , 52, 1-8	4.5	70
76	Reactive oxygen species are important mediators of taurine release from skeletal muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C1362-73	5.4	70
75	Enhanced sarcoplasmic reticulum Ca(2+) release following intermittent sprint training. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R152-60	3.2	70
74	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
73	Reduced insulin-mediated citrate synthase activity in cultured skeletal muscle cells from patients with type 2 diabetes: evidence for an intrinsic oxidative enzyme defect. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005 , 1741, 206-14	6.9	66
72	Cellular model for induction of drip loss in meat. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 4876-83	5.7	62
71	Effects of ageing on single muscle fibre contractile function following short-term immobilisation. <i>Journal of Physiology</i> , 2011 , 589, 4745-57	3.9	59
70	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
69	Impaired sarcoplasmic reticulum Ca(2+) release rate after fatiguing stimulation in rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2000 , 89, 210-7	3.7	58

68	Muscle glycogen content modifies SR Ca ²⁺ release rate in elite endurance athletes. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 496-505	1.2	55
67	Excitability of the T-tubular system in rat skeletal muscle: roles of K ⁺ and Na ⁺ gradients and Na ⁺ -K ⁺ pump activity. <i>Journal of Physiology</i> , 2004 , 557, 133-46	3.9	49
66	High-intensity sprint training inhibits mitochondrial respiration through aconitase inactivation. <i>FASEB Journal</i> , 2016 , 30, 417-27	0.9	48
65	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
64	Post-exercise recovery of contractile function and endurance in humans and mice is accelerated by heating and slowed by cooling skeletal muscle. <i>Journal of Physiology</i> , 2017 , 595, 7413-7426	3.9	44
63	Four days of muscle disuse impairs single fiber contractile function in young and old healthy men. <i>Experimental Gerontology</i> , 2013 , 48, 154-61	4.5	43
62	β-adrenergic stimulation enhances Ca ²⁺ release and contractile properties of skeletal muscles, and counteracts exercise-induced reductions in Na ⁺ -K ⁺ -ATPase V _{max} in trained men. <i>Journal of Physiology</i> , 2014 , 592, 5445-59	3.9	43
61	The Physiological Mechanisms of Performance Enhancement with Sprint Interval Training Differ between the Upper and Lower Extremities in Humans. <i>Frontiers in Physiology</i> , 2016 , 7, 426	4.6	41
60	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
59	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
58	Energy system contributions and determinants of performance in sprint cross-country skiing. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017 , 27, 385-398	4.6	36
57	A novel signalling pathway originating in mitochondria modulates rat skeletal muscle membrane excitability. <i>Journal of Physiology</i> , 2003 , 548, 139-45	3.9	35
56	No Superior Adaptations to Carbohydrate Periodization in Elite Endurance Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2486-2497	1.2	31
55	Lactate per se improves the excitability of depolarized rat skeletal muscle by reducing the Cl ⁻ conductance. <i>Journal of Physiology</i> , 2010 , 588, 4785-94	3.9	31
54	Metabolic Responses and Pacing Strategies during Successive Sprint Skiing Time Trials. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 2544-2554	1.2	29
53	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
52	Mechanisms underlying enhancements in muscle force and power output during maximal cycle ergometer exercise induced by chronic β-adrenergic stimulation in men. <i>Journal of Applied Physiology</i> , 2015 , 119, 475-86	3.7	28
51	Physiological aspects of the subcellular localization of glycogen in skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 91-9	3	26

50	A PGC-1 β and muscle fibre type-related decrease in markers of mitochondrial oxidative metabolism in skeletal muscle of humans with inherited insulin resistance. <i>Diabetologia</i> , 2014 , 57, 1006-1015	10.3	25
49	Local depletion of glycogen with supramaximal exercise in human skeletal muscle fibres. <i>Journal of Physiology</i> , 2017 , 595, 2809-2821	3.9	25
48	Carbohydrate restricted recovery from long term endurance exercise does not affect gene responses involved in mitochondrial biogenesis in highly trained athletes. <i>Physiological Reports</i> , 2015 , 3, e12184	2.6	25
47	Pharmacological but not physiological GDF15 suppresses feeding and the motivation to exercise. <i>Nature Communications</i> , 2021 , 12, 1041	17.4	23
46	McArdle disease: a unique study model in sports medicine. <i>Sports Medicine</i> , 2014 , 44, 1531-44	10.6	21
45	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, 3559-3574	3.7	21
44	Repeated high-intensity exercise modulates Ca(2+) sensitivity of human skeletal muscle fibers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016 , 26, 488-97	4.6	20
43	Fundamental constraints in synchronous muscle limit superfast motor control in vertebrates. <i>ELife</i> , 2017 , 6,	8.9	20
42	SPARC Interacts with Actin in Skeletal Muscle in Vitro and in Vivo. <i>American Journal of Pathology</i> , 2017 , 187, 457-474	5.8	18
41	Glycolysis in contracting rat skeletal muscle is controlled by factors related to energy state. <i>Biochemical Journal</i> , 2009 , 420, 161-8	3.8	17
40	Reduced sarcoplasmic reticulum content of releasable Ca ²⁺ in rat soleus muscle fibres after eccentric contractions. <i>Acta Physiologica</i> , 2007 , 191, 217-28	5.6	17
39	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
38	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
37	Rapid Report. <i>Journal of Physiology</i> , 2003 , 548, 139-145	3.9	15
36	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
35	No Muscle Is an Island: Integrative Perspectives on Muscle Fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 2281-2293	1.2	14
34	Reliability of maximal mitochondrial oxidative phosphorylation in permeabilized fibers from the vastus lateralis employing high-resolution respirometry. <i>Physiological Reports</i> , 2018 , 6, e13611	2.6	14
33	Myosin content of single muscle fibers following short-term disuse and active recovery in young and old healthy men. <i>Experimental Gerontology</i> , 2017 , 87, 100-107	4.5	13

32	Muscle Glycogen Metabolism and High-Intensity Exercise Performance: A Narrative Review. <i>Sports Medicine</i> , 2021 , 51, 1855-1874	10.6	13
31	Skeletal muscle fiber characteristics and oxidative capacity in hemiparetic stroke survivors. <i>Muscle and Nerve</i> , 2016 , 53, 748-54	3.4	12
30	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
29	Transient impairments in single muscle fibre contractile function after prolonged cycling in elite endurance athletes. <i>Acta Physiologica</i> , 2013 , 208, 265-73	5.6	10
28	Plasticity in central neural drive with short-term disuse and recovery - effects on muscle strength and influence of aging. <i>Experimental Gerontology</i> , 2018 , 106, 145-153	4.5	8
27	Calcium Fluxes in Work-Related Muscle Disorder: Implications from a Rat Model. <i>BioMed Research International</i> , 2019 , 2019, 5040818	3	8
26	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
25	Changes in metabolism but not myocellular signaling by training with CHO-restriction in endurance athletes. <i>Physiological Reports</i> , 2018 , 6, e13847	2.6	8
24	Skeletal muscle lipid droplets are resynthesized before being coated with perilipin proteins following prolonged exercise in elite male triathletes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 318, E357-E370	6	7
23	Effects of β agonists on force during and following anoxia in rat extensor digitorum longus muscle. <i>Journal of Applied Physiology</i> , 2012 , 112, 2057-67	3.7	7
22	Energy conservation attenuates the loss of skeletal muscle excitability during intense contractions. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E771-8	6	7
21	Nampt controls skeletal muscle development by maintaining Ca homeostasis and mitochondrial integrity. <i>Molecular Metabolism</i> , 2021 , 53, 101271	8.8	7
20	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
19	Both short intense and prolonged moderate in vitro stimulation reduce the mRNA expression of calcium-regulatory proteins in rat skeletal muscle. <i>Molecular and Cellular Biochemistry</i> , 2013 , 373, 171-8	4.2	5
18	Molecular markers of skeletal muscle hypertrophy following 10 wk of resistance training in oral contraceptive users and nonusers. <i>Journal of Applied Physiology</i> , 2020 , 129, 1355-1364	3.7	5
17	Supplement with whey protein hydrolysate in contrast to carbohydrate supports mitochondrial adaptations in trained runners. <i>Journal of the International Society of Sports Nutrition</i> , 2020 , 17, 46	4.5	4
16	Methodological Guidelines Designed to Improve the Quality of Research on Cross-Country Skiing. <i>Journal of Science in Sport and Exercise</i> , 2021 , 3, 207-223	1	4
15	Transdermal Estrogen Therapy Improves Gains in Skeletal Muscle Mass After 12 Weeks of Resistance Training in Early Postmenopausal Women. <i>Frontiers in Physiology</i> , 2020 , 11, 596130	4.6	4

14	Adrenergic agonist salbutamol augments hypertrophy in MHCIIa fibers and sprint mean power output but not muscle force during 11 weeks of resistance training in young men. <i>Journal of Applied Physiology</i> , 2021 , 130, 617-626	3.7	3
13	Muscle metabolism and impaired sprint performance in an elite women's football game. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 ,	4.6	3
12	Contractile Properties of MHC I and II Fibers From Highly Trained Arm and Leg Muscles of Cross-Country Skiers. <i>Frontiers in Physiology</i> , 2021 , 12, 682943	4.6	3
11	Effect of long-term testosterone therapy on molecular regulators of skeletal muscle mass and fibre-type distribution in aging men with subnormal testosterone. <i>Metabolism: Clinical and Experimental</i> , 2020 , 112, 154347	12.7	2
10	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 Nutrients 2020, 12(4), 971". <i>Nutrients</i> , 2020 , 12,	6.7	2
9	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
8	Gross efficiency predicts a 6-min double-poling ergometer performance in recreational cross-country skiers. <i>Sports Engineering</i> , 2017 , 20, 329-333	1.4	1
7	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
6	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
5	Reply from Joachim Nielsen, Kasper D. Gejl and Niels Tenblad. <i>Journal of Physiology</i> , 2017 , 595, 2987-2988	3.8	1
4	The Associations Of Mitochondrial Content And Maximal Oxygen Uptake. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 156-157	1.2	
3	Acute Carbohydrate Restriction During Recovery From Prolonged Exercise Enhances Intramuscular Triglyceride Resynthesis. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 382-382	1.2	
2	The expression of HSP70 in skeletal muscle is not associated with glycogen availability during recovery following prolonged exercise in elite endurance athletes.. <i>European Journal of Applied Physiology</i> , 2022 , 1	3.4	
1	Exercise and Muscle Glycogen Metabolism. <i>Physiology in Health and Disease</i> , 2022 , 71-114	0.2	