Hakan Westerblad

List of Publications by Year in Descending Order

165 papers	7,222 citations	51 h-index	79 g-index
193 ext. papers	8,037 ext. citations	4.6 avg, IF	5.85 L-index

#	Paper	IF	Citations
165	Response to Mäseburg et al.. *American Journal of Human Genetics*, **2022**, 109, 973	11	1
164	Larger improvements in fatigue resistance and mitochondrial function with high- than with low-intensity contractions during interval training of mouse skeletal muscle. *FASEB Journal*, **2021**, 35, e21988	0.9	0
163	Increasing the resting time between drop jumps lessens delayed-onset muscle soreness and limits the extent of prolonged low-frequency force depression in human knee extensor muscles. *European Journal of Applied Physiology*, **2021**, 1	3.4	
162	Loss of α-actinin-3 during human evolution provides superior cold resilience and muscle heat generation. *American Journal of Human Genetics*, **2021**, 108, 446-457	11	12
161	Eccentric Resistance Training Ameliorates Muscle Weakness in a Mouse Model of Idiopathic Inflammatory Myopathies. *Arthritis and Rheumatology*, **2021**, 73, 848-857	9.5	0
160	Carbohydrates do not accelerate force recovery after glycogen-depleting followed by high-intensity exercise in humans. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 998-1007	4.6	5
159	Kynurenine aminotransferase isoforms display fiber-type specific expression in young and old human skeletal muscle. *Experimental Gerontology*, **2020**, 134, 110880	4.5	3
158	Measuring Ca in Living Cells. *Advances in Experimental Medicine and Biology*, **2020**, 1131, 7-26	3.6	6
157	Impaired sarcoplasmic reticulum Ca release is the major cause of fatigue-induced force loss in intact single fibres from human intercostal muscle. *Journal of Physiology*, **2020**, 598, 773-787	3.9	14
156	Fast skeletal muscle troponin activator CK-2066260 mitigates skeletal muscle weakness independently of the underlying cause. *Journal of Cachexia, Sarcopenia and Muscle*, **2020**, 11, 1747-1757	10.3	1
155	Vitamin C and E Treatment Blunts Sprint Interval Training-Induced Changes in Inflammatory Mediator-, Calcium-, and Mitochondria-Related Signaling in Recreationally Active Elderly Humans. *Antioxidants*, **2020**, 9,	7.1	10
154	Quantification of Plasma Kynurenine Metabolites Following One Bout of Sprint Interval Exercise. *International Journal of Tryptophan Research*, **2020**, 13, 1178646920978241	5.6	6
153	A Mechanism for Statin-Induced Susceptibility to Myopathy. *JACC Basic To Translational Science*, **2019**, 4, 509-523	8.7	16
152	Force generated by myosin cross-bridges is reduced in myofibrils exposed to ROS/RNS. *American Journal of Physiology - Cell Physiology*, **2019**, 317, C1304-C1312	5.4	5
151	Three weeks of sprint interval training improved high-intensity cycling performance and limited ryanodine receptor modifications in recreationally active human subjects. *European Journal of Applied Physiology*, **2019**, 119, 1951-1958	3.4	7
150	Moderately elevated extracellular [K] potentiates submaximal force and power in skeletal muscle via increased [Ca] during contractions. *American Journal of Physiology - Cell Physiology*, **2019**, 317, C900-C909	5.4	6
149	Fast skeletal muscle troponin activator CK-2066260 increases fatigue resistance by reducing the energetic cost of muscle contraction. *Journal of Physiology*, **2019**, 597, 4615-4625	3.9	17

148	Toxic doses of caffeine are needed to increase skeletal muscle contractility. *American Journal of Physiology - Cell Physiology*, **2019**, 316, C246-C251	5.4	13
147	SR Ca leak in skeletal muscle fibers acts as an intracellular signal to increase fatigue resistance. *Journal of General Physiology*, **2019**, 151, 567-577	3.4	20
146	Molecular Basis for Exercise-Induced Fatigue: The Importance of Strictly Controlled Cellular Ca Handling. *Cold Spring Harbor Perspectives in Medicine*, **2018**, 8,	5.4	50
145	Preconditioning contractions prevent the delayed onset of myofibrillar dysfunction after damaging eccentric contractions. *Journal of Physiology*, **2018**, 596, 4427-4442	3.9	13
144	Electrical Stimulation Prevents Preferential Skeletal Muscle Myosin Loss in Steroid-Denervation Rats. *Frontiers in Physiology*, **2018**, 9, 1111	4.6	5
143	STIM1 R304W causes muscle degeneration and impaired platelet activation in mice. *Cell Calcium*, **2018**, 76, 87-100	4	15
142	Post-exercise recovery of contractile function and endurance in humans and mice is accelerated by heating and slowed by cooling skeletal muscle. *Journal of Physiology*, **2017**, 595, 7413-7426	3.9	44
141	Superoxide dismutase/catalase mimetic EUK-134 prevents diaphragm muscle weakness in monocrotalin-induced pulmonary hypertension. *PLoS ONE*, **2017**, 12, e0169146	3.7	16
140	Prolonged force depression after mechanically demanding contractions is largely independent of Ca and reactive oxygen species. *FASEB Journal*, **2017**, 31, 4809-4820	0.9	19
139	Mechanical isolation, and measurement of force and myoplasmic free [Ca] in fully intact single skeletal muscle fibers. *Nature Protocols*, **2017**, 12, 1763-1776	18.8	22
138	Dietary nitrate markedly improves voluntary running in mice. *Physiology and Behavior*, **2017**, 168, 55-61	3.5	19
137	The Ca sensitizer CK-2066260 increases myofibrillar Ca sensitivity and submaximal force selectively in fast skeletal muscle. *Journal of Physiology*, **2017**, 595, 1657-1670	3.9	13
136	Intramuscular Contributions to Low-Frequency Force Potentiation Induced by a High-Frequency Conditioning Stimulation. *Frontiers in Physiology*, **2017**, 8, 712	4.6	6
135	Neuromuscular electrical stimulation prevents skeletal muscle dysfunction in adjuvant-induced arthritis rat. *PLoS ONE*, **2017**, 12, e0179925	3.7	5
134	A numerical model for fatigue effects in whole-body human exercise. *Mathematical and Computer Modelling of Dynamical Systems*, **2016**, 22, 21-38	1	6
133	Mechanisms of force depression caused by different types of physical exercise studied by direct electrical stimulation of human quadriceps muscle. *European Journal of Applied Physiology*, **2016**, 116, 2215-2224	3.4	30
132	Endurance exercise increases skeletal muscle kynurenine aminotransferases and plasma kynurenic acid in humans. *American Journal of Physiology - Cell Physiology*, **2016**, 310, C836-40	5.4	88
131	Reactive oxygen/nitrogen species and contractile function in skeletal muscle during fatigue and recovery. *Journal of Physiology*, **2016**, 594, 5149-60	3.9	71

130	Impaired Ca(2+) release contributes to muscle weakness in a rat model of critical illness myopathy. *Critical Care*, **2016**, 20, 254	10.8	18
129	The Role of Reactive Oxygen Species in β-Adrenergic Signaling in Cardiomyocytes from Mice with the Metabolic Syndrome. *PLoS ONE*, **2016**, 11, e0167090	3.7	14
128	Muscle Fatigue Affects the Interpolated Twitch Technique When Assessed Using Electrically-Induced Contractions in Human and Rat Muscles. *Frontiers in Physiology*, **2016**, 7, 252	4.6	14
127	Acidosis Is Not a Significant Cause of Skeletal Muscle Fatigue. *Medicine and Science in Sports and Exercise*, **2016**, 48, 2339-2342	1.2	47
126	Dietary nitrate improves cardiac contractility via enhanced cellular Ca2+ signaling. *Basic Research in Cardiology*, **2016**, 111, 34	11.8	16
125	Ryanodine receptor fragmentation and sarcoplasmic reticulum Ca2+ leak after one session of high-intensity interval exercise. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15492-7	11.5	100
124	Cyclophilin D, a target for counteracting skeletal muscle dysfunction in mitochondrial myopathy. *Human Molecular Genetics*, **2015**, 24, 6580-7	5.6	11
123	Antioxidant treatments do not improve force recovery after fatiguing stimulation of mouse skeletal muscle fibres. *Journal of Physiology*, **2015**, 593, 457-72	3.9	52
122	Intracellular Ca(2+)-handling differs markedly between intact human muscle fibers and myotubes. *Skeletal Muscle*, **2015**, 5, 26	5.1	17
121	α-Actinin-3: why gene loss is an evolutionary gain. *PLoS Genetics*, **2015**, 11, e1004908	6	4
120	An updated h-index measures both the primary and total scientific output of a researcher. *Discoveries*, **2015**, 3,	3.7	9
119	Muscle dysfunction associated with adjuvant-induced arthritis is prevented by antioxidant treatment. *Skeletal Muscle*, **2015**, 5, 20	5.1	23
118	Nitrosative modifications of the Ca2+ release complex and actin underlie arthritis-induced muscle weakness. *Annals of the Rheumatic Diseases*, **2015**, 74, 1907-14	2.4	34
117	Isolated Intercostal Muscle Fibers as a Human Skeletal Muscle Ex Vivo Model. *FASEB Journal*, **2015**, 29, LB700	0.9	
116	Regulation of glycogen breakdown and its consequences for skeletal muscle function after training. *Mammalian Genome*, **2014**, 25, 464-72	3.2	13
115	TNF-α-mediated caspase-8 activation induces ROS production and TRPM2 activation in adult ventricular myocytes. *Cardiovascular Research*, **2014**, 103, 90-9	9.9	51
114	Subcellular distribution of glycogen and decreased tetanic Ca2+ in fatigued single intact mouse muscle fibres. *Journal of Physiology*, **2014**, 592, 2003-12	3.9	45
113	Effects of N-acetylcysteine on isolated mouse skeletal muscle: contractile properties, temperature dependence, and metabolism. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 577-85	4.6	16

112	Usage of a localised microflow device to show that mitochondrial networks are not extensive in skeletal muscle fibres. *PLoS ONE*, **2014**, 9, e108601	3.7	8
111	Improved exercise performance and increased aerobic capacity after endurance training of patients with stable polymyositis and dermatomyositis. *Arthritis Research and Therapy*, **2013**, 15, R83	5.7	64
110	TLR4 as receptor for HMGB1 induced muscle dysfunction in myositis. *Annals of the Rheumatic Diseases*, **2013**, 72, 1390-9	2.4	62
109	Doublet discharge stimulation increases sarcoplasmic reticulum Ca2+ release and improves performance during fatiguing contractions in mouse muscle fibres. *Journal of Physiology*, **2013**, 591, 3739-48	3.9	23
108	Muscle glycogen stores and fatigue. *Journal of Physiology*, **2013**, 591, 4405-13	3.9	168
107	Residual force depression following muscle shortening is exaggerated by prior eccentric drop jump exercise. *Journal of Applied Physiology*, **2013**, 115, 1191-5	3.7	13
106	Dietary nitrate increases tetanic [Ca2+]i and contractile force in mouse fast-twitch muscle. *Journal of Physiology*, **2012**, 590, 3575-83	3.9	192
105	History effect and timing of force production introduced in a skeletal muscle model. *Biomechanics and Modeling in Mechanobiology*, **2012**, 11, 947-57	3.8	11
104	Impaired mitochondrial respiration and decreased fatigue resistance followed by severe muscle weakness in skeletal muscle of mitochondrial DNA mutator mice. *Journal of Physiology*, **2012**, 590, 6187-97	3.9	28
103	Methods to detect Ca(2+) in living cells. *Advances in Experimental Medicine and Biology*, **2012**, 740, 27-43	3.6	23
102	Antioxidants and Skeletal Muscle Performance: "Common Knowledge" vs. Experimental Evidence. *Frontiers in Physiology*, **2012**, 3, 46	4.6	23
101	Crosstalk between nitrosative stress and altered Ca2+ handling in arthritis-induced skeletal muscle dysfunction. *Annals of the Rheumatic Diseases*, **2012**, 71, A43.3-A44	2.4	
100	HMGB1 mediates muscle fatigue via TLR4 - a possible mechanism for muscle fatigue in patients with inflammatory myopathies. *Annals of the Rheumatic Diseases*, **2012**, 71, A42.2-A43	2.4	
99	Local arginase inhibition during early reperfusion mediates cardioprotection via increased nitric oxide production. *PLoS ONE*, **2012**, 7, e42038	3.7	51
98	Carbon Nanotubes Coupled to siRNA Generates Efficient Transfection and is a Tool for Examining Glucose Uptake in Skeletal Muscle **2012**, 81-97		
97	Voluntary exercise reduces cachexia and improves muscle function in mice carrying mammary gland tumors. *FASEB Journal*, **2012**, 26, 1142.7	0.9	
96	Doublet Discharges Improve Force During Fatigue in Single Fibers. *FASEB Journal*, **2012**, 26, 1078.40	0.9	
95	Impaired calcium handling in skeletal muscles of mitochondrial-DNA-mutator mice. *FASEB Journal*, **2012**, 26, 1078.20	0.9	

94	Dietary nitrate dramatically increases force in mouse skeletal muscle. *FASEB Journal*, **2012**, 26, 1078.2	0.9	
93	Emerging roles of ROS/RNS in muscle function and fatigue. *Antioxidants and Redox Signaling*, **2011**, 15, 2487-99	8.4	83
92	Acute effects of reactive oxygen and nitrogen species on the contractile function of skeletal muscle. *Journal of Physiology*, **2011**, 589, 2119-27	3.9	113
91	Mitochondrial production of reactive oxygen species contributes to the □-adrenergic stimulation of mouse cardiomycytes. *Journal of Physiology*, **2011**, 589, 1791-801	3.9	92
90	The role of in vivo Ca□+ signals acting on Ca□+-calmodulin-dependent proteins for skeletal muscle plasticity. *Journal of Physiology*, **2011**, 589, 5021-31	3.9	50
89	Enhanced cardiomyocyte Ca(2+) cycling precedes terminal AV-block in mitochondrial cardiomyopathy Mterf3 KO mice. *Antioxidants and Redox Signaling*, **2011**, 15, 2455-64	8.4	9
88	The decrease in electrically evoked force production is delayed by a previous bout of stretch-shortening cycle exercise. *Acta Physiologica*, **2010**, 198, 91-8	5.6	20
87	Thyroid hormone receptor alpha can control action potential duration in mouse ventricular myocytes through the KCNE1 ion channel subunit. *Acta Physiologica*, **2010**, 198, 133-42	5.6	12
86	2-Methoxyoestradiol inhibits glucose transport in rodent skeletal muscle. *Experimental Physiology*, **2010**, 95, 892-8	2.4	3
85	Increased fatigue resistance linked to Ca2+-stimulated mitochondrial biogenesis in muscle fibres of cold-acclimated mice. *Journal of Physiology*, **2010**, 588, 4275-88	3.9	62
84	Effects of HMGB1 on in vitro responses of isolated muscle fibers and functional aspects in skeletal muscles of idiopathic inflammatory myopathies. *FASEB Journal*, **2010**, 24, 570-8	0.9	63
83	{beta}-Hydroxybutyrate inhibits insulin-mediated glucose transport in mouse oxidative muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 299, E364-73	6	28
82	Mechanisms of skeletal muscle weakness. *Advances in Experimental Medicine and Biology*, **2010**, 682, 279-96	3.6	13
81	Muscle fatigue: from observations in humans to underlying mechanisms studied in intact single muscle fibres. *European Journal of Applied Physiology*, **2010**, 110, 1-15	3.4	106
80	What limits exercise during high-intensity aerobic exercise?. *European Journal of Applied Physiology*, **2010**, 110, 661-2; author reply 663-4	3.4	16
79	Skeletal muscle: energy metabolism, fiber types, fatigue and adaptability. *Experimental Cell Research*, **2010**, 316, 3093-9	4.2	173
78	Myogenic skeletal muscle satellite cells communicate by tunnelling nanotubes. *Journal of Cellular Physiology*, **2010**, 223, 376-83	7	19
77	Oxidative stress restores force loss in skeletal muscle following eccentric contractions. *FASEB Journal*, **2010**, 24, 801.24	0.9	

76	Doxorubicin acts through tumor necrosis factor receptor subtype 1 to cause dysfunction of murine skeletal muscle. *Journal of Applied Physiology*, **2009**, 107, 1935-42	3.7	75
75	Increased mitochondrial Ca2+ and decreased sarcoplasmic reticulum Ca2+ in mitochondrial myopathy. *Human Molecular Genetics*, **2009**, 18, 278-88	5.6	55
74	Upregulation of MHC class I in transgenic mice results in reduced force-generating capacity in slow-twitch muscle. *Muscle and Nerve*, **2009**, 39, 674-82	3.4	19
73	Impaired myofibrillar function in the soleus muscle of mice with collagen-induced arthritis. *Arthritis and Rheumatism*, **2009**, 60, 3280-9		37
72	High temperature does not alter fatigability in intact mouse skeletal muscle fibres. *Journal of Physiology*, **2009**, 587, 4717-24	3.9	27
71	Mechanisms of fatigue induced by isometric contractions in exercising humans and in mouse isolated single muscle fibres. *Clinical and Experimental Pharmacology and Physiology*, **2009**, 36, 334-9	3	47
70	Mechanical work as predictor of force enhancement and force depression. *Journal of Biomechanics*, **2009**, 42, 1628-34	2.9	25
69	Knockdown of TRPC3 with siRNA coupled to carbon nanotubes results in decreased insulin-mediated glucose uptake in adult skeletal muscle cells. *FASEB Journal*, **2009**, 23, 1728-38	0.9	53
68	Reactive oxygen species and fatigue-induced prolonged low-frequency force depression in skeletal muscle fibres of rats, mice and SOD2 overexpressing mice. *Journal of Physiology*, **2008**, 586, 175-84	3.9	92
67	Interpolated twitches in fatiguing single mouse muscle fibres: implications for the assessment of central fatigue. *Journal of Physiology*, **2008**, 586, 2799-805	3.9	23
66	Ca(2+) and insulin-mediated glucose uptake. *Current Opinion in Pharmacology*, **2008**, 8, 339-45	5.1	44
65	Impaired calcium release during fatigue. *Journal of Applied Physiology*, **2008**, 104, 296-305	3.7	145
64	Nonshivering thermogenesis protects against defective calcium handling in muscle. *FASEB Journal*, **2008**, 22, 3919-24	0.9	49
63	Locomotor deficiencies and aberrant development of subtype-specific GABAergic interneurons caused by an unliganded thyroid hormone receptor alpha1. *Journal of Neuroscience*, **2008**, 28, 1904-15	6.6	86
62	Mice expressing L345P mutant desmin exhibit morphological and functional changes of skeletal and cardiac mitochondria. *Journal of Muscle Research and Cell Motility*, **2008**, 29, 25-36	3.5	33
61	Muscular force production after concentric contraction. *Journal of Biomechanics*, **2008**, 41, 2422-9	2.9	18
60	Activation of glucose transport and AMP-activated protein kinase during muscle contraction in adenylate kinase-1 knockout mice. *Acta Physiologica*, **2008**, 192, 413-20	5.6	15
59	Knock down of TRPC3 decreases Ca2+ influx and insulin-mediated glucose uptake in adult skeletal muscle. *FASEB Journal*, **2008**, 22, 1226.5	0.9	

58	Mechanical load plays little role in contraction-mediated glucose transport in mouse skeletal muscle. *Journal of Physiology*, **2007**, 579, 527-34	3.9	25
57	Hypermetabolism in mice caused by the central action of an unliganded thyroid hormone receptor alpha1. *EMBO Journal*, **2007**, 26, 4535-45	13	107
56	Activation of Ca(2+)-dependent protein kinase II during repeated contractions in single muscle fibres from mouse is dependent on the frequency of sarcoplasmic reticulum Ca(2+) release. *Acta Physiologica*, **2007**, 191, 131-7	5.6	10
55	A1 receptor deficiency causes increased insulin and glucagon secretion in mice. *Biochemical Pharmacology*, **2007**, 74, 1628-35	6	68
54	Activation of aconitase in mouse fast-twitch skeletal muscle during contraction-mediated oxidative stress. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C1154-9	5.4	31
53	Insulin potentiates TRPC3-mediated cation currents in normal but not in insulin-resistant mouse cardiomyocytes. *Cardiovascular Research*, **2007**, 73, 376-85	9.9	40
52	Reply to Barclay and Loiselle. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C613-C614	5.4	1
51	Effects of palmitate on Ca(2+) handling in adult control and ob/ob cardiomyocytes: impact of mitochondrial reactive oxygen species. *Diabetes*, **2007**, 56, 1136-42	0.9	91
50	Reactive oxygen species and glucose transport during exercise **2007**, 16-17		
49	Cross bridges account for only 20% of total ATP consumption during submaximal isometric contraction in mouse fast-twitch skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2006**, 291, C147-54	5.4	45
48	Effects of congestive heart failure on Ca2+ handling in skeletal muscle during fatigue. *Circulation Research*, **2006**, 98, 1514-9	15.7	29
47	The role of Ca2+ influx for insulin-mediated glucose uptake in skeletal muscle. *Diabetes*, **2006**, 55, 2077-83	8.9	69
46	Respiratory chain dysfunction in skeletal muscle does not cause insulin resistance. *Biochemical and Biophysical Research Communications*, **2006**, 350, 202-7	3.4	122
45	Limited oxygen diffusion accelerates fatigue development in mouse skeletal muscle. *Journal of Physiology*, **2006**, 572, 551-9	3.9	67
44	Role of reactive oxygen species in contraction-mediated glucose transport in mouse skeletal muscle. *Journal of Physiology*, **2006**, 575, 251-62	3.9	165
43	Impaired Ca2+ handling and contraction in cardiomyocytes from mice with a dominant negative thyroid hormone receptor alpha1. *Journal of Molecular and Cellular Cardiology*, **2005**, 38, 655-63	5.8	25
42	Insulin and inositol 1,4,5-trisphosphate trigger abnormal cytosolic Ca2+ transients and reveal mitochondrial Ca2+ handling defects in cardiomyocytes of ob/ob mice. *Diabetes*, **2005**, 54, 2375-81	0.9	67
41	Abnormal Ca(2+) release and catecholamine-induced arrhythmias in mitochondrial cardiomyopathy. *Human Molecular Genetics*, **2005**, 14, 1069-76	5.6	20

40	Physiology. Lactic acid--the latest performance-enhancing drug. *Science*, **2004**, 305, 1112-3	33.3	47
39	Difference in skeletal muscle function in males vs. females: role of estrogen receptor-beta. *American Journal of Physiology - Endocrinology and Metabolism*, **2004**, 287, E1125-31	6	64
38	Pacing-induced calcineurin activation controls cardiac Ca2+ signalling and gene expression. *Journal of Physiology*, **2004**, 554, 309-20	3.9	46
37	Insulin-independent glycogen supercompensation in isolated mouse skeletal muscle: role of phosphorylase inactivation. *Pflugers Archiv European Journal of Physiology*, **2004**, 448, 533-8	4.6	13
36	Mitochondrial function in intact skeletal muscle fibres of creatine kinase deficient mice. *Journal of Physiology*, **2003**, 552, 393-402	3.9	25
35	CBA/J mice infected with Trypanosoma cruzi: an experimental model for inflammatory myopathies. *Muscle and Nerve*, **2003**, 27, 442-8	3.4	18
34	Creatine kinase injection restores contractile function in creatine-kinase-deficient mouse skeletal muscle fibres. *Journal of Physiology*, **2003**, 547, 395-403	3.9	23
33	Contraction-mediated glycogenolysis in mouse skeletal muscle lacking creatine kinase: the role of phosphorylase b activation. *Journal of Physiology*, **2003**, 553, 523-31	3.9	16
32	Cellular mechanisms of skeletal muscle fatigue. *Advances in Experimental Medicine and Biology*, **2003**, 538, 563-70; discussion 571	3.6	65
31	Ryanodine receptors of pancreatic beta-cells mediate a distinct context-dependent signal for insulin secretion. *FASEB Journal*, **2003**, 17, 301-3	0.9	53
30	Calmodulin kinase modulates Ca2+ release in mouse skeletal muscle. *Journal of Physiology*, **2003**, 551, 5-12	3.9	29
29	Mitochondrial and myoplasmic [Ca2+] in single fibres from mouse limb muscles during repeated tetanic contractions. *Journal of Physiology*, **2003**, 551, 179-90	3.9	67
28	Effects of glucose on contractile function, [Ca2+]i, and glycogen in isolated mouse skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2002**, 282, C1306-12	5.4	53
27	Muscle fatigue: lactic acid or inorganic phosphate the major cause?. *Physiology*, **2002**, 17, 17-21	9.8	169
26	Dynamic vacuolation in skeletal muscle fibres after fatigue. *Cell Biology International*, **2002**, 26, 911-20	4.5	13
25	Intracellular ATP measured with luciferin/luciferase in isolated single mouse skeletal muscle fibres. *Pflugers Archiv European Journal of Physiology*, **2002**, 443, 836-42	4.6	23
24	Regulation of myoplasmic Ca(2+) in genetically obese (ob/ob) mouse single skeletal muscle fibres. *Pflugers Archiv European Journal of Physiology*, **2002**, 444, 692-9	4.6	19
23	Respiratory and limb muscle weakness induced by tumor necrosis factor-alpha: involvement of muscle myofilaments. *American Journal of Respiratory and Critical Care Medicine*, **2002**, 166, 479-84	10.2	249

22	Increased mitochondrial mass in mitochondrial myopathy mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 15066-71	11.5	226
21	Recent advances in the understanding of skeletal muscle fatigue. *Current Opinion in Rheumatology*, **2002**, 14, 648-52	5.3	74
20	Properly formed but improperly localized synaptic specializations in the absence of laminin alpha4. *Nature Neuroscience*, **2001**, 4, 597-604	25.5	166
19	Effects of concentric and eccentric contractions on phosphorylation of MAPK(erk1/2) and MAPK(p38) in isolated rat skeletal muscle. *Journal of Physiology*, **2001**, 535, 155-64	3.9	95
18	Inhibition of creatine kinase reduces the rate of fatigue-induced decrease in tetanic [Ca(2+)](i) in mouse skeletal muscle. *Journal of Physiology*, **2001**, 533, 639-49	3.9	34
17	Role of myoplasmic phosphate in contractile function of skeletal muscle: studies on creatine kinase-deficient mice. *Journal of Physiology*, **2001**, 533, 379-88	3.9	68
16	Contractile response of skeletal muscle to low peroxide concentrations: myofibrillar calcium sensitivity as a likely target for redox-modulation. *FASEB Journal*, **2001**, 15, 309-11	0.9	135
15	Neuromuscular junction disassembly and muscle fatigue in mice lacking neurotrophin-4. *Molecular and Cellular Neurosciences*, **2001**, 18, 56-67	4.8	88
14	Vacuole formation in fatigued skeletal muscle fibres from frog and mouse: effects of extracellular lactate. *Journal of Physiology*, **2000**, 526 Pt 3, 597-611	3.9	42
13	Frog skeletal muscle fibers recovering from fatigue have reduced charge movement. *Journal of Muscle Research and Cell Motility*, **2000**, 21, 621-8	3.5	10
12	Functional significance of Ca2+ in long-lasting fatigue of skeletal muscle. *European Journal of Applied Physiology*, **2000**, 83, 166-74	3.4	107
11	Is creatine kinase responsible for fatigue? Studies of isolated skeletal muscle deficient in creatine kinase. *FASEB Journal*, **2000**, 14, 982-90	0.9	79
10	Isometric force and endurance in soleus muscle of thyroid hormone receptor-alpha(1)- or -beta-deficient mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2000**, 278, R598-603	3.2	23
9	Vacuole formation in fatigued single muscle fibres from frog and mouse. *Journal of Muscle Research and Cell Motility*, **1999**, 20, 19-32	3.5	38
8	Mechanisms underlying reduced maximum shortening velocity during fatigue of intact, single fibres of mouse muscle. *Journal of Physiology*, **1998**, 510 (Pt 1), 269-77	3.9	56
7	Effect of hydrogen peroxide and dithiothreitol on contractile function of single skeletal muscle fibres from the mouse. *Journal of Physiology*, **1998**, 509 (Pt 2), 565-75	3.9	304
6	Effect of nitric oxide on single skeletal muscle fibres from the mouse. *Journal of Physiology*, **1998**, 509 (Pt 2), 577-86	3.9	99
5	Effects of CO2-induced acidification on the fatigue resistance of single mouse muscle fibers at 28 degrees C. *Journal of Applied Physiology*, **1998**, 85, 478-83	3.7	66

4	Slowed relaxation in fatigued skeletal muscle fibers of Xenopus and Mouse. Contribution of [Ca2+]i and cross-bridges. *Journal of General Physiology*, **1997**, 109, 385-99	3.4	66
3	Effects of CGS 9343B (a putative calmodulin antagonist) on isolated skeletal muscle. Dissociation of signaling pathways for insulin-mediated activation of glycogen synthase and hexose transport. *Journal of Biological Chemistry*, **1995**, 270, 25613-8	5.4	31
2	Insulin-mediated activation of glycogen synthase in isolated skeletal muscle: role of mitochondrial respiration. *Biochimica Et Biophysica Acta - General Subjects*, **1995**, 1244, 229-32	4	6
1	Recovery of fatigued Xenopus muscle fibres is markedly affected by the extracellular tonicity. *Journal of Muscle Research and Cell Motility*, **1990**, 11, 147-53	3.5	2