Henriette Pilegaard

List of Publications by Citations

154 papers	9,583 citations	53 h-index	94 g-index
163 ext. papers	10,627 ext. citations	4.1 avg, IF	5.88 L-index

#	Paper	IF	Citations
154	Exercise induces transient transcriptional activation of the PGC-1alpha gene in human skeletal muscle. *Journal of Physiology*, **2003**, 546, 851-8	3.9	658
153	Evidence for a release of brain-derived neurotrophic factor from the brain during exercise. *Experimental Physiology*, **2009**, 94, 1062-9	2.4	559
152	Transcriptional regulation of gene expression in human skeletal muscle during recovery from exercise. *American Journal of Physiology - Endocrinology and Metabolism*, **2000**, 279, E806-14	6	401
151	Transcriptional activation of the IL-6 gene in human contracting skeletal muscle: influence of muscle glycogen content. *FASEB Journal*, **2001**, 15, 2748-50	0.9	334
150	Endurance training enhances BDNF release from the human brain. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R372-7	3.2	290
149	Muscle insulin sensitivity and glucose metabolism are controlled by the intrinsic muscle clock. *Molecular Metabolism*, **2014**, 3, 29-41	8.8	242
148	Effects of alpha-AMPK knockout on exercise-induced gene activation in mouse skeletal muscle. *FASEB Journal*, **2005**, 19, 1146-8	0.9	230
147	Lactic acid efflux from white skeletal muscle is catalyzed by the monocarboxylate transporter isoform MCT3. *Journal of Biological Chemistry*, **1998**, 273, 15920-6	5.4	209
146	PGC-1alpha-mediated adaptations in skeletal muscle. *Pflugers Archiv European Journal of Physiology* , **2010**, 460, 153-62	4.6	182
145	PGC-1alpha is not mandatory for exercise- and training-induced adaptive gene responses in mouse skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E463-74	6	179
144	Resveratrol blunts the positive effects of exercise training on cardiovascular health in aged men. *Journal of Physiology*, **2013**, 591, 5047-59	3.9	174
143	Expression of interleukin-15 in human skeletal muscle effect of exercise and muscle fibre type composition. *Journal of Physiology*, **2007**, 584, 305-12	3.9	164
142	Influence of pre-exercise muscle glycogen content on exercise-induced transcriptional regulation of metabolic genes. *Journal of Physiology*, **2002**, 541, 261-71	3.9	164
141	Gene expression in human skeletal muscle: alternative normalization method and effect of repeated biopsies. *European Journal of Applied Physiology*, **2005**, 95, 351-60	3.4	144
140	Resistance exercise alters MRF and IGF-I mRNA content in human skeletal muscle. *Journal of Applied Physiology*, **2003**, 95, 1038-44	3.7	133
139	The role of PGC-1alpha on mitochondrial function and apoptotic susceptibility in muscle. *American Journal of Physiology - Cell Physiology*, **2009**, 297, C217-25	5.4	128
138	Substrate availability and transcriptional regulation of metabolic genes in human skeletal muscle during recovery from exercise. *Metabolism: Clinical and Experimental*, **2005**, 54, 1048-55	12.7	126

137	Higher skeletal muscle alpha2AMPK activation and lower energy charge and fat oxidation in men than in women during submaximal exercise. *Journal of Physiology*, **2006**, 574, 125-38	3.9	125
136	5RAMP activated protein kinase expression in human skeletal muscle: effects of strength training and type 2 diabetes. *Journal of Physiology*, **2005**, 564, 563-73	3.9	125
135	Effect of short-term fasting and refeeding on transcriptional regulation of metabolic genes in human skeletal muscle. *Diabetes*, **2003**, 52, 657-62	0.9	121
134	5RAMP-activated protein kinase activity and subunit expression in exercise-trained human skeletal muscle. *Journal of Applied Physiology*, **2003**, 94, 631-41	3.7	120
133	Role of IL-6 in exercise training- and cold-induced UCP1 expression in subcutaneous white adipose tissue. *PLoS ONE*, **2014**, 9, e84910	3.7	117
132	Circular DNA elements of chromosomal origin are common in healthy human somatic tissue. *Nature Communications*, **2018**, 9, 1069	17.4	108
131	Endurance training reduces the contraction-induced interleukin-6 mRNA expression in human skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2004**, 287, E1189-94	6	105
130	Effect of high-intensity exercise training on lactate/H+ transport capacity in human skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **1999**, 276, E255-61	6	104
129	Dissociation of AMPK activity and ACCbeta phosphorylation in human muscle during prolonged exercise. *Biochemical and Biophysical Research Communications*, **2002**, 298, 309-16	3.4	103
128	Lipid-induced insulin resistance affects women less than men and is not accompanied by inflammation or impaired proximal insulin signaling. *Diabetes*, **2011**, 60, 64-73	0.9	96
127	Strong iron demand during hypoxia-induced erythropoiesis is associated with down-regulation of iron-related proteins and myoglobin in human skeletal muscle. *Blood*, **2007**, 109, 4724-31	2.2	95
126	LIF is a contraction-induced myokine stimulating human myocyte proliferation. *Journal of Applied Physiology*, **2011**, 111, 251-9	3.7	93
125	Potential role of TBC1D4 in enhanced post-exercise insulin action in human skeletal muscle. *Diabetologia*, **2009**, 52, 891-900	10.3	92
124	PGC-1alpha mediates exercise-induced skeletal muscle VEGF expression in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E92-103	6	90
123	PGC-1alpha is required for training-induced prevention of age-associated decline in mitochondrial enzymes in mouse skeletal muscle. *Experimental Gerontology*, **2010**, 45, 336-42	4.5	89
122	Transcriptional regulation of pyruvate dehydrogenase kinase 4 in skeletal muscle during and after exercise. *Proceedings of the Nutrition Society*, **2004**, 63, 221-6	2.9	88
121	ATP-induced vasodilation and purinergic receptors in the human leg: roles of nitric oxide, prostaglandins, and adenosine. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 296, R1140-8	3.2	85
120	Bed rest reduces metabolic protein content and abolishes exercise-induced mRNA responses in human skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2011**, 301, E649-58	6	85

119	Exercise training, but not resveratrol, improves metabolic and inflammatory status in skeletal muscle of aged men. *Journal of Physiology*, **2014**, 592, 1873-86	3.9	84
118	The contraction induced increase in gene expression of peroxisome proliferator-activated receptor (PPAR)-gamma coactivator 1alpha (PGC-1alpha), mitochondrial uncoupling protein 3 (UCP3) and hexokinase II (HKII) in primary rat skeletal muscle cells is dependent on reactive oxygen species. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2006**, 1763, 969-76	4.9	84
117	Control of gene expression and mitochondrial biogenesis in the muscular adaptation to endurance exercise. *Essays in Biochemistry*, **2006**, 42, 13-29	7.6	79
116	Distribution of the lactate/H+ transporter isoforms MCT1 and MCT4 in human skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **1999**, 276, E843-8	6	78
115	Consecutive bouts of diverse contractile activity alter acute responses in human skeletal muscle. *Journal of Applied Physiology*, **2009**, 106, 1187-97	3.7	74
114	GLUT4 and glycogen synthase are key players in bed rest-induced insulin resistance. *Diabetes*, **2012**, 61, 1090-9	0.9	73
113	Differential transcriptional activation of select metabolic genes in response to variations in exercise intensity and duration. *American Journal of Physiology - Endocrinology and Metabolism*, **2003**, 285, E1021-7	6	72
112	PGC-1{alpha} is required for AICAR-induced expression of GLUT4 and mitochondrial proteins in mouse skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 299, E456-65	6	71
111	Regular endurance training reduces the exercise induced HIF-1alpha and HIF-2alpha mRNA expression in human skeletal muscle in normoxic conditions. *European Journal of Applied Physiology* , **2006**, 96, 363-9	3.4	71
110	AMP-activated protein kinase regulates nicotinamide phosphoribosyl transferase expression in skeletal muscle. *Journal of Physiology*, **2013**, 591, 5207-20	3.9	67
109	PDH-E1alpha dephosphorylation and activation in human skeletal muscle during exercise: effect of intralipid infusion. *Diabetes*, **2006**, 55, 3020-7	0.9	65
108	Acclimatization to 4100 m does not change capillary density or mRNA expression of potential angiogenesis regulatory factors in human skeletal muscle. *Journal of Experimental Biology*, **2004**, 207, 3865-71	3	63
107	Nitric oxide production is a proximal signaling event controlling exercise-induced mRNA expression in human skeletal muscle. *FASEB Journal*, **2007**, 21, 2683-94	0.9	62
106	Erythropoietin receptor in human skeletal muscle and the effects of acute and long-term injections with recombinant human erythropoietin on the skeletal muscle. *Journal of Applied Physiology*, **2008**, 104, 1154-60	3.7	60
105	Interleukin-18 activates skeletal muscle AMPK and reduces weight gain and insulin resistance in mice. *Diabetes*, **2013**, 62, 3064-74	0.9	57
104	Relative workload determines exercise-induced increases in PGC-1alpha mRNA. *Medicine and Science in Sports and Exercise*, **2010**, 42, 1477-84	1.2	56
103	Effect of acute exercise and exercise training on VEGF splice variants in human skeletal muscle. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2004**, 287, R397-402	3.2	56
102	Menopause is associated with decreased whole body fat oxidation during exercise. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E1227-36	6	55

101	Adipose tissue interleukin-18 mRNA and plasma interleukin-18: effect of obesity and exercise. *Obesity*, **2007**, 15, 356-63	8	51
100	Transgenic mice with astrocyte-targeted production of interleukin-6 are resistant to high-fat diet-induced increases in body weight and body fat. *Brain, Behavior, and Immunity*, **2010**, 24, 119-26	16.6	50
99	Antioxidant supplementation enhances the exercise-induced increase in mitochondrial uncoupling protein 3 and endothelial nitric oxide synthase mRNA content in human skeletal muscle. *Free Radical Biology and Medicine*, **2007**, 43, 353-61	7.8	50
98	Effect of lifelong resveratrol supplementation and exercise training on skeletal muscle oxidative capacity in aging mice; impact of PGC-1 *Experimental Gerontology*, **2013**, 48, 1311-8	4.5	47
97	Role of PGC-1 in exercise and fasting-induced adaptations in mouse liver. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 301, R1501-9	3.2	47
96	Role of vitamin C and E supplementation on IL-6 in response to training. *Journal of Applied Physiology*, **2012**, 112, 990-1000	3.7	46
95	Subcellular localization and mechanism of secretion of vascular endothelial growth factor in human skeletal muscle. *FASEB Journal*, **2013**, 27, 3496-504	0.9	45
94	Exercise training protects against aging-induced mitochondrial fragmentation in mouse skeletal muscle in a PGC-1 dependent manner. *Experimental Gerontology*, **2017**, 96, 1-6	4.5	44
93	PGC-1 is required for exercise- and exercise training-induced UCP1 up-regulation in mouse white adipose tissue. *PLoS ONE*, **2013**, 8, e64123	3.7	44
92	Exercise-induced liver chemokine CXCL-1 expression is linked to muscle-derived interleukin-6 expression. *Journal of Physiology*, **2011**, 589, 1409-20	3.9	43
91	Mitochondrial biogenesis and angiogenesis in skeletal muscle of the elderly. *Experimental Gerontology*, **2011**, 46, 670-8	4.5	43
90	Effect of high-intensity training on exercise-induced gene expression specific to ion homeostasis and metabolism. *Journal of Applied Physiology*, **2003**, 95, 1201-6	3.7	41
89	Sucrose counteracts the anti-inflammatory effect of fish oil in adipose tissue and increases obesity development in mice. *PLoS ONE*, **2011**, 6, e21647	3.7	40
88	PGC-1beta is downregulated by training in human skeletal muscle: no effect of training twice every second day vs. once daily on expression of the PGC-1 family. *Journal of Applied Physiology*, **2007**, 103, 1536-42	3.7	40
87	Carbohydrate metabolism during prolonged exercise and recovery: interactions between pyruvate dehydrogenase, fatty acids, and amino acids. *Journal of Applied Physiology*, **2006**, 100, 1822-30	3.7	40
86	Exercise and exercise training-induced increase in autophagy markers in human skeletal muscle. *Physiological Reports*, **2018**, 6, e13651	2.6	39
85	Direct effects of TNF- on local fuel metabolism and cytokine levels in the placebo-controlled, bilaterally infused human leg: increased insulin sensitivity, increased net protein breakdown, and increased IL-6 release. *Diabetes*, **2013**, 62, 4023-9	0.9	39
84	Endurance exercise induces mRNA expression of oxidative enzymes in human skeletal muscle late in recovery. *Scandinavian Journal of Medicine and Science in Sports*, **2010**, 20, 593-9	4.6	38

83	Opposite Regulation of Insulin Sensitivity by Dietary Lipid Versus Carbohydrate Excess. *Diabetes*, **2017**, 66, 2583-2595	0.9	37
82	Attenuated purinergic receptor function in patients with type 2 diabetes. *Diabetes*, **2010**, 59, 182-9	0.9	37
81	Oxidative DNA damage and repair in skeletal muscle of humans exposed to high-altitude hypoxia. *Toxicology*, **2003**, 192, 229-36	4.4	36
80	PGC-1 promotes exercise-induced autophagy in mouse skeletal muscle. *Physiological Reports*, **2016**, 4, e12698	2.6	36
79	The mRNA expression profile of metabolic genes relative to MHC isoform pattern in human skeletal muscles. *Journal of Applied Physiology*, **2006**, 101, 817-25	3.7	34
78	New Nordic Diet-Induced Weight Loss Is Accompanied by Changes in Metabolism and AMPK Signaling in Adipose Tissue. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 3509-19	5.6	33
77	Effect of birth weight and 12 weeks of exercise training on exercise-induced AMPK signaling in human skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E1379-90	6	32
76	Lifelong physical activity is associated with promoter hypomethylation of genes involved in metabolism, myogenesis, contractile properties and oxidative stress resistance in aged human skeletal muscle. *Scientific Reports*, **2019**, 9, 3272	4.9	31
75	Growth hormone-induced insulin resistance in human subjects involves reduced pyruvate dehydrogenase activity. *Acta Physiologica*, **2014**, 210, 392-402	5.6	31
74	PGC-1 and exercise intensity dependent adaptations in mouse skeletal muscle. *PLoS ONE*, **2017**, 12, e0185993	3.7	31
73	Role of PGC-1 in exercise training- and resveratrol-induced prevention of age-associated inflammation. *Experimental Gerontology*, **2013**, 48, 1274-84	4.5	30
72	Low muscle glycogen and elevated plasma free fatty acid modify but do not prevent exercise-induced PDH activation in human skeletal muscle. *Diabetes*, **2010**, 59, 26-32	0.9	29
71	Regulation of apoptosis and autophagy in mouse and human skeletal muscle with aging and lifelong exercise training. *Experimental Gerontology*, **2018**, 111, 141-153	4.5	28
70	Lack of AMPKalpha2 enhances pyruvate dehydrogenase activity during exercise. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E1242-9	6	28
69	5RAMP activated protein kinase 2 controls substrate metabolism during post-exercise recovery via regulation of pyruvate dehydrogenase kinase4. *Journal of Physiology*, **2015**, 593, 4765-80	3.9	27
68	In humans IL-6 is released from the brain during and after exercise and paralleled by enhanced IL-6 mRNA expression in the hippocampus of mice. *Acta Physiologica*, **2011**, 201, 475-82	5.6	27
67	Genetic priming of a proinflammatory profile predicts low IQ in octogenarians. *Neurobiology of Aging*, **2009**, 30, 769-81	5.6	27
66	Regulation of PDH in human arm and leg muscles at rest and during intense exercise. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E36-42	6	27

65	Calcium signalling in the regulation of PGC-1alpha, PDK4 and HKII mRNA expression. *Biological Chemistry*, **2007**, 388, 481-8	4.5	27
64	IL-6 regulates exercise and training-induced adaptations in subcutaneous adipose tissue in mice. *Acta Physiologica*, **2012**, 205, 224-35	5.6	26
63	Contraction-induced increases in Na+-K+-ATPase mRNA levels in human skeletal muscle are not amplified by activation of additional muscle mass. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 289, R84-91	3.2	26
62	Skeletal muscle PGC-1 is required for maintaining an acute LPS-induced TNF response. *PLoS ONE*, **2012**, 7, e32222	3.7	25
61	Combined speed endurance and endurance exercise amplify the exercise-induced PGC-1 and PDK4 mRNA response in trained human muscle. *Physiological Reports*, **2016**, 4, e12864	2.6	24
60	Na,K-ATPase activity in mouse muscle is regulated by AMPK and PGC-1 *Journal of Membrane Biology*, **2011**, 242, 1-10	2.3	24
59	Impact of adrenaline and metabolic stress on exercise-induced intracellular signaling and PGC-1 mRNA response in human skeletal muscle. *Physiological Reports*, **2016**, 4, e12844	2.6	24
58	AMPK is essential for acute exercise-induced gene responses but not for exercise training-induced adaptations in mouse skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E900-14	6	23
57	PGC-1 mediated regulation of mitochondrial function and physiological implications. *Applied Physiology, Nutrition and Metabolism*, **2020**, 45, 927-936	3	23
56	Effects of Exercise Training on Regulation of Skeletal Muscle Glucose Metabolism in Elderly Men. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2015**, 70, 866-72	6.4	23
55	PGC-1alpha increases PDH content but does not change acute PDH regulation in mouse skeletal muscle. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R1350-9	3.2	23
54	Adipose tissue expression of IL-18 and HIV-associated lipodystrophy. *Aids*, **2004**, 18, 1956-8	3.5	23
53	Lack of Skeletal Muscle IL-6 Affects Pyruvate Dehydrogenase Activity at Rest and during Prolonged Exercise. *PLoS ONE*, **2016**, 11, e0156460	3.7	23
52	Beta -adrenoceptor agonist salbutamol increases protein turnover rates and alters signalling in skeletal muscle after resistance exercise in young men. *Journal of Physiology*, **2018**, 596, 4121-4139	3.9	23
51	Skeletal muscle IL-6 regulates muscle substrate utilization and adipose tissue metabolism during recovery from an acute bout of exercise. *PLoS ONE*, **2017**, 12, e0189301	3.7	22
50	Interleukin-6 modifies mRNA expression in mouse skeletal muscle. *Acta Physiologica*, **2011**, 202, 165-73	5.6	21
49	Autophagy-Dependent Beneficial Effects of Exercise. *Cold Spring Harbor Perspectives in Medicine*, **2017**, 7,	5.4	20
48	Exercise-induced regulation of key factors in substrate choice and gluconeogenesis in mouse liver. *Molecular and Cellular Biochemistry*, **2015**, 403, 209-17	4.2	20

47	PGC-1α regulates mitochondrial properties beyond biogenesis with aging and exercise training. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E513-E525	6	20
46	Effects of IL-6 on pyruvate dehydrogenase regulation in mouse skeletal muscle. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 1647-57	4.6	20
45	The impact of exercise training and resveratrol supplementation on gut microbiota composition in high-fat diet fed mice. *Physiological Reports*, **2018**, 6, e13881	2.6	20
44	Skeletal muscle interleukin-6 regulates metabolic factors in iWAT during HFD and exercise training. *Obesity*, **2015**, 23, 1616-24	8	18
43	Exercise training and work task induced metabolic and stress-related mRNA and protein responses in myalgic muscles. *BioMed Research International*, **2013**, 2013, 984523	3	18
42	Contraction-induced changes in skeletal muscle Na(+), K(+) pump mRNA expression - importance of exercise intensity and Ca(2+)-mediated signalling. *Acta Physiologica*, **2010**, 198, 487-98	5.6	18
41	Skeletal muscle IL-6 and regulation of liver metabolism during high-fat diet and exercise training. *Physiological Reports*, **2016**, 4, e12788	2.6	16
40	Leptin signaling in skeletal muscle after bed rest in healthy humans. *European Journal of Applied Physiology*, **2014**, 114, 345-57	3.4	16
39	Exercise-induced pyruvate dehydrogenase activation is not affected by 7 days of bed rest. *Journal of Applied Physiology*, **2011**, 111, 751-7	3.7	16
38	PGC-1 and fasting-induced PDH regulation in mouse skeletal muscle. *Physiological Reports*, **2017**, 5, e13227	2.6	15
37	Inducible deletion of skeletal muscle AMPKα reveals that AMPK is required for nucleotide balance but dispensable for muscle glucose uptake and fat oxidation during exercise. *Molecular Metabolism*, **2020**, 40, 101028	8.8	15
36	Inclusion of sprints in moderate intensity continuous training leads to muscle oxidative adaptations in trained individuals. *Physiological Reports*, **2019**, 7, e13976	2.6	14
35	Impact of fasting followed by short-term exposure to interleukin-6 on cytochrome P450 mRNA in mice. *Toxicology Letters*, **2018**, 282, 93-99	4.4	13
34	Impact of skeletal muscle IL-6 on regulation of liver and adipose tissue metabolism during fasting. *Pflugers Archiv European Journal of Physiology*, **2018**, 470, 1597-1613	4.6	13
33	Evaluation of functional erythropoietin receptor status in skeletal muscle in vivo: acute and prolonged studies in healthy human subjects. *PLoS ONE*, **2012**, 7, e31857	3.7	13
32	Direct effects of locally administered lipopolysaccharide on glucose, lipid, and protein metabolism in the placebo-controlled, bilaterally infused human leg. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, 2090-9	5.6	13
31	Ammonium Chloride Ingestion Attenuates Exercise-Induced mRNA Levels in Human Muscle. *PLoS ONE*, **2015**, 10, e0141317	3.7	13
30	Lactate/H+ transport kinetics in rat skeletal muscle related to fibre type and changes in transport capacity. *Pflugers Archiv European Journal of Physiology*, **1998**, 436, 560-4	4.6	12

29	Impact of training state on fasting-induced regulation of adipose tissue metabolism in humans. *Journal of Applied Physiology*, **2018**, 124, 729-740	3.7	11
28	Impact of β-adrenergic signaling in PGC-1α-mediated adaptations in mouse skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 314, E1-E20	6	10
27	Effects of training status on PDH regulation in human skeletal muscle during exercise. *Pflugers Archiv European Journal of Physiology*, **2017**, 469, 1615-1630	4.6	10
26	PGC-1α in aging and lifelong exercise training-mediated regulation of UPR in mouse liver. *Experimental Gerontology*, **2017**, 98, 124-133	4.5	10
25	PGC-1α in exercise and fasting-induced regulation of hepatic UPR in mice. *Pflugers Archiv European Journal of Physiology*, **2018**, 470, 1431-1447	4.6	9
24	Lack of skeletal muscle IL-6 influences hepatic glucose metabolism in mice during prolonged exercise. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 312, R626-R636	3.2	8
23	Impact of liver PGC-1α on exercise and exercise training-induced regulation of hepatic autophagy and mitophagy in mice on HFF. *Physiological Reports*, **2018**, 6, e13731	2.6	8
22	Insulin sensitivity is independent of lipid binding protein trafficking at the plasma membrane in human skeletal muscle: effect of a 3-day, high-fat diet. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R1136-45	3.2	8
21	Muscle interleukin-6 and fasting-induced PDH regulation in mouse skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2017**, 312, E204-E214	6	7
20	Redundancy in regulation of lipid accumulation in skeletal muscle during prolonged fasting in obese men. *Physiological Reports*, **2019**, 7, e14285	2.6	7
19	Training state and skeletal muscle autophagy in response to 36 h of fasting. *Journal of Applied Physiology*, **2018**, 125, 1609-1619	3.7	7
18	Colchicine treatment impairs skeletal muscle mitochondrial function and insulin sensitivity in an age-specific manner. *FASEB Journal*, **2020**, 34, 8653-8670	0.9	5
17	Both short intense and prolonged moderate in vitro stimulation reduce the mRNA expression of calcium-regulatory proteins in rat skeletal muscle. *Molecular and Cellular Biochemistry*, **2013**, 373, 171-8	4.2	5
16	Muscle PGC-1α in exercise and fasting-induced regulation of hepatic UPR in mice. *Acta Physiologica*, **2018**, 224, e13158	5.6	4
15	Exercise-induced AMPK and pyruvate dehydrogenase regulation is maintained during short-term low-grade inflammation. *Pflugers Archiv European Journal of Physiology*, **2015**, 467, 341-50	4.6	3
14	Impact of skeletal muscle IL-6 on subcutaneous and visceral adipose tissue metabolism immediately after high- and moderate-intensity exercises. *Pflugers Archiv European Journal of Physiology*, **2020**, 472, 217-233	4.6	3
13	Hepatic PGC-1α is not essential for fasting-induced cytochrome p450 regulation in mouse liver. *Biochemical Pharmacology*, **2020**, 172, 113736	6	3
12	Insulin resistance induced by growth hormone is linked to lipolysis and associated with suppressed pyruvate dehydrogenase activity in skeletal muscle: a 2 × 2 factorial, randomised, crossover study in human individuals. *Diabetologia*, **2020**, 63, 2641-2653	10.3	3

11	Training state and fasting-induced PDH regulation in human skeletal muscle. *Pflugers Archiv European Journal of Physiology*, **2018**, 470, 1633-1645	4.6	3
10	PGC-1 in hepatic UPR during high-fat high-fructose diet and exercise training in mice. *Physiological Reports*, **2018**, 6, e13819	2.6	1
9	Metabolic Acidosis Reduces Exercise-induced Up-regulation Of PGC-1alpha mRNA. *Medicine and Science in Sports and Exercise*, **2008**, 40, S33	1.2	1
8	High metabolic substrate load induces mitochondrial dysfunction in rat skeletal muscle microvascular endothelial cells. *Physiological Reports*, **2021**, 9, e14855	2.6	1
7	Time-dependent regulation of hepatic cytochrome P450 mRNA in male liver-specific PGC-1 knockout mice.. *Toxicology*, **2022**, 469, 153121	4.4	0
6	GLUT4 and Glycogen Synthase Are Key Players in Bed Rest-Induced Insulin Resistance. Diabetes 2012;61:1090--1099. *Diabetes*, **2014**, 63, 3159-3159	0.9	
5	Reply fromLasse Gliemann, Jesper Olesen, Rasmus Sjorup Bienso, Stefan Peter Mortensen, Michael Nyberg, Jens Bangsbo, Henriette Pilegaard and Ylva Hellsten. *Journal of Physiology*, **2014**, 592, 553	3.9	
4	Reply from Lasse Gliemann, Jakob Schmidt, Jesper Olesen, Rasmus Sjup Biens, Sebastian Louis Peronard, Simon Udsen Grandjean, Stefan Peter Mortensen, Michael Nyberg, Jens Bangsbo, Henriette Pilegaard and Ylva Hellsten. *Journal of Physiology*, **2013**, 591, 5253	3.9	
3	Mitochondrial function and protein expression profile in skeletal muscle from PGC-1 hull mice. *FASEB Journal*, **2007**, 21, A938	0.9	
2	Resveratrol blunts the positive effects of exercise training in aged men; a double-blind, randomized, placebo-controlled training study. *FASEB Journal*, **2013**, 27, 1143.7	0.9	
1	Effect of insulin on natriuretic peptide gene expression in porcine heart. *Peptides*, **2020**, 131, 170370	3.8	