Peter Schjerling

List of Publications by Year
in descending order

209	14,102	18482 62	22166 113
papers	citations	h-index	g-index

212	212	212	14762
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proâ€•and antiâ€inflammatory cytokine balance in strenuous exercise in humans. Journal of Physiology, 1999, 515, 287-291.	2.9	767
2	Interleukin-6 Stimulates Lipolysis and Fat Oxidation in Humans. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 3005-3010.	3.6	609
3	Vitamin D controls T cell antigen receptor signaling and activation of human T cells. Nature Immunology, 2010, 11, 344-349.	14.5	493
4	Knockout of the Î±2 but Not Î±1 5â€²-AMP-activated Protein Kinase Isoform Abolishes 5-Aminoimidazole-4-carboxamide-1-Î²-4-ribofuranosidebut Not Contraction-induced Glucose Uptake in Skeletal Muscle. Journal of Biological Chemistry, 2004, 279, 1070-1079.	3.4	484
5	Muscleâ€derived interleukinâ€6: possible biological effects. Journal of Physiology, 2001, 536, 329-337.	2.9	442
6	Patients with type 2 diabetes have normal mitochondrial function in skeletal muscle. Diabetologia, 2007, 50, 790-796.	6.3	437
7	Interleukinâ€6 production in contracting human skeletal muscle is influenced by preâ€exercise muscle glycogen content. Journal of Physiology, 2001, 537, 633-639.	2.9	348
8	A traumaâ€like elevation of plasma cytokines in humans in response to treadmill running. Journal of Physiology, 1998, 513, 889-894.	2.9	294
9	Physical activity and plasma interleukin-6 in humans - effect of intensity of exercise. European Journal of Applied Physiology, 2000, 83, 512-515.	2.5	272
10	The effects of heavy resistance training and detraining on satellite cells in human skeletal muscles. Journal of Physiology, 2004, 558, 1005-1012.	2.9	268
11	The need for transparency and good practices in the qPCR literature. Nature Methods, 2013, 10, 1063-1067.	19.0	251
12	Effects of Î±â€AMPK knockout on exerciseâ€induced gene activation in mouse skeletal muscle. FASEB Journal, 2005, 19, 1146-1148.	0.5	248
13	Lack of tissue renewal in human adult Achilles tendon is revealed by nuclear bomb ¹⁴ C. FASEB Journal, 2013, 27, 2074-2079.	0.5	247
14	Comparative amino acid sequence analysis of the C6 zinc cluster family of transcriptional regulators. Nucleic Acids Research, 1996, 24, 4599-4607.	14.5	236
15	Expression of collagen and related growth factors in rat tendon and skeletal muscle in response to specific contraction types. Journal of Physiology, 2007, 582, 1303-1316.	2.9	229
16	The Â2-5'AMP-Activated Protein Kinase Is a Site 2 Glycogen Synthase Kinase in Skeletal Muscle and Is Responsive to Glucose Loading. Diabetes, 2004, 53, 3074-3081.	0.6	215
17	Muscle contractions induce interleukinâ€6 mRNA production in rat skeletal muscles. Journal of Physiology, 2000, 528, 157-163.	2.9	210
18	Effect of intermittent fasting and refeeding on insulin action in healthy men. Journal of Applied Physiology, 2005, 99, 2128-2136.	2.5	203

#	Article	IF	Citations
19	Possible CaMKK-dependent regulation of AMPK phosphorylation and glucose uptake at the onset of mild tetanic skeletal muscle contraction. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1308-E1317.	3.5	177
20	Exercise and interleukin-6. Current Opinion in Hematology, 2001, 8, 137-141.	2.5	161
21	Growth hormone stimulates the collagen synthesis in human tendon and skeletal muscle without affecting myofibrillar protein synthesis. Journal of Physiology, 2010, 588, 341-351.	2.9	160
22	Whey and casein labeled with<scp>l</scp>-[1-¹³C]leucine and muscle protein synthesis: effect of resistance exercise and protein ingestion. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E231-E242.	3.5	159
23	Rac1 Signaling Is Required for Insulin-Stimulated Glucose Uptake and Is Dysregulated in Insulin-Resistant Murine and Human Skeletal Muscle. Diabetes, 2013, 62, 1865-1875.	0.6	159
24	Short-term strength training and the expression of myostatin and IGF-I isoforms in rat muscle and tendon: differential effects of specific contraction types. Journal of Applied Physiology, 2007, 102, 573-581.	2.5	157
25	The effect of recombinant human growth hormone and resistance training on IGF-I mRNA expression in the muscles of elderly men. Journal of Physiology, 2004, 555, 231-240.	2.9	156
26	Role of AMPKÎ±2 in basal, training-, and AICAR-induced GLUT4, hexokinase II, and mitochondrial protein expression in mouse muscle. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E331-E339.	3.5	147
27	The behaviour of satellite cells in response to exercise: what have we learned from human studies?. Pflugers Archiv European Journal of Physiology, 2005, 451, 319-327.	2.8	143
28	Sequenced response of extracellular matrix deadhesion and fibrotic regulators after muscle damage is involved in protection against future injury in human skeletal muscle. FASEB Journal, 2011, 25, 1943-1959.	0.5	140
29	Ageing is associated with diminished muscle reâ€growth and myogenic precursor cell expansion early after immobilityâ€induced atrophy in human skeletal muscle. Journal of Physiology, 2013, 591, 3789-3804.	2.9	132
30	Aging Affects the Transcriptional Regulation of Human Skeletal Muscle Disuse Atrophy. PLoS ONE, 2012, 7, e51238.	2.5	132
31	Maximal eccentric exercise induces a rapid accumulation of small heat shock proteins on myofibrils and a delayed HSP70 response in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R844-R853.	1.8	130
32	Radiocarbon dating reveals minimal collagen turnover in both healthy and osteoarthritic human cartilage. Science Translational Medicine, 2016, 8, 346ra90.	12.4	130
33	Muscle, Genes and Athletic Performance. Scientific American, 2000, 283, 48-55.	1.0	126
34	Rac1 Is a Novel Regulator of Contraction-Stimulated Glucose Uptake in Skeletal Muscle. Diabetes, 2013, 62, 1139-1151.	0.6	126
35	Lipid-binding proteins and lipoprotein lipase activity in human skeletal muscle: influence of physical activity and gender. Journal of Applied Physiology, 2004, 97, 1209-1218.	2.5	122
36	Effect of unloading followed by reloading on expression of collagen and related growth factors in rat tendon and muscle. Journal of Applied Physiology, 2009, 106, 178-186.	2.5	119

#	Article	IF	Citations
37	Caspase 3 Expression Correlates With Skeletal Muscle Apoptosis in Duchenne and Facioscapulo Human Muscular Dystrophy. A Potential Target for Pharmacological Treatment?. Journal of Neuropathology and Experimental Neurology, 2001, 60, 302-312.	1.7	116
38	Prior AICAR Stimulation Increases Insulin Sensitivity in Mouse Skeletal Muscle in an AMPK-Dependent Manner. Diabetes, 2015, 64, 2042-2055.	0.6	115
39	Mitochondrial respiration in subcutaneous and visceral adipose tissue from patients with morbid obesity. Journal of Physiology, 2010, 588, 2023-2032.	2.9	112
40	Chemokines are elevated in plasma after strenuous exercise in humans. European Journal of Applied Physiology, 2001, 84, 244-245.	2.5	111
41	Plasma interleukin-6 during strenuous exercise: role of epinephrine. American Journal of Physiology - Cell Physiology, 2001, 281, C1001-C1004.	4.6	109
42	Acute interleukin-6 administration does not impair muscle glucose uptake or whole-body glucose disposal in healthy humans. Journal of Physiology, 2003, 548, 631-638.	2.9	106
43	Vitamin D-binding protein controls T cell responses to vitamin D. BMC Immunology, 2014, 15, 35.	2.2	100
44	Are exerciseâ€induced genes induced by exercise?. FASEB Journal, 2005, 19, 94-96.	0.5	98
45	Acute exercise and physiological insulin induce distinct phosphorylation signatures on TBC1D1 and TBC1D4 proteins in human skeletal muscle. Journal of Physiology, 2014, 592, 351-375.	2.9	95
46	Life-long endurance exercise in humans: Circulating levels of inflammatory markers and leg muscle size. Mechanisms of Ageing and Development, 2013, 134, 531-540.	4.6	94
47	Sex differences in hormone-sensitive lipase expression, activity, and phosphorylation in skeletal muscle at rest and during exercise. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1106-E1114.	3.5	90
48	PGC-1Î± and PGC-1Î² have both similar and distinct effects on myofiber switching toward an oxidative phenotype. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E807-E816.	3.5	88
49	Rac1 governs exerciseâ€stimulated glucose uptake in skeletal muscle through regulation of GLUT4 translocation in mice. Journal of Physiology, 2016, 594, 4997-5008.	2.9	87
50	Genetic impairment of AMPKÎ±2 signaling does not reduce muscle glucose uptake during treadmill exercise in mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E924-E934.	3.5	78
51	Cytokines in Aging and Exercise. International Journal of Sports Medicine, 2000, 21, 4-9.	1.7	77
52	AMPK Î±1 Activation Is Required for Stimulation of Glucose Uptake by Twitch Contraction, but Not by H2O2, in Mouse Skeletal Muscle. PLoS ONE, 2008, 3, e2102.	2.5	77
53	Simplified data access on human skeletal muscle transcriptome responses to differentiated exercise. Scientific Data, 2014, 1, 140041.	5.3	75
54	Does vitamin-D intake during resistance training improve the skeletal muscle hypertrophic and strength response in young and elderly men? â€“ a randomized controlled trial. Nutrition and Metabolism, 2015, 12, 32.	3.0	73

#	Article	IF	Citations
55	Activation of satellite cells and the regeneration of human skeletal muscle are expedited by ingestion of nonsteroidal antiâ€inflammatory medication. FASEB Journal, 2016, 30, 2266-2281.	0.5	72
56	Acute mTOR inhibition induces insulin resistance and alters substrate utilization inÂvivo. Molecular Metabolism, 2014, 3, 630-641.	6.5	68
57	AMPKÎ± is critical for enhancing skeletal muscle fatty acid utilization duringin vivoexercise in mice. FASEB Journal, 2015, 29, 1725-1738.	0.5	68
58	Contraction-induced skeletal muscle FAT/CD36 trafficking and FA uptake is AMPK independent. Journal of Lipid Research, 2011, 52, 699-711.	4.2	67
59	Expression of extracellular matrix components and related growth factors in human tendon and muscle after acute exercise. Scandinavian Journal of Medicine and Science in Sports, 2013, 23, e150-61.	2.9	67
60	Resistance training and insulin action in humans: effects of de-training. Journal of Physiology, 2003, 551, 1049-1058.	2.9	67
61	LKB1 Regulates Lipid Oxidation During Exercise Independently of AMPK. Diabetes, 2013, 62, 1490-1499.	0.6	66
62	Vitamin D Up-Regulates the Vitamin D Receptor by Protecting It from Proteasomal Degradation in Human CD4+ T Cells. PLoS ONE, 2014, 9, e96695.	2.5	65
63	Reduced skeletal muscle mitochondrial respiration and improved glucose metabolism in nondiabetic obese women during a very low calorie dietary intervention leading to rapid weight loss. Metabolism: Clinical and Experimental, 2009, 58, 1145-1152.	3.4	63
64	Role of AMPK in regulation of LC3 lipidation as a marker of autophagy in skeletal muscle. Cellular Signalling, 2016, 28, 663-674.	3.6	62
65	Suppression of testosterone does not blunt mRNA expression of myoD, myogenin, IGF, myostatin or androgen receptor post strength training in humans. Journal of Physiology, 2007, 578, 579-593.	2.9	59
66	Muscle glycogen content and glucose uptake during exercise in humans: influence of prior exercise and dietary manipulation. Journal of Physiology, 2002, 541, 273-281.	2.9	58
67	The effect of running, strength, and vibration strength training on the mechanical, morphological, and biochemical properties of the Achilles tendon in rats. Journal of Applied Physiology, 2007, 102, 564-572.	2.5	58
68	Two weeks of metformin treatment induces AMPK-dependent enhancement of insulin-stimulated glucose uptake in mouse soleus muscle. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1099-E1109.	3.5	58
69	Effects of concentric and repeated eccentric exercise on muscle damage and calpainâ€“calpastatin gene expression in human skeletal muscle. European Journal of Applied Physiology, 2008, 103, 323-332.	2.5	55
70	Exercise induces recruitment of lymphocytes with an activated phenotype and short telomeres in young and elderly humans. Life Sciences, 1999, 65, 2623-2633.	4.3	54
71	Release of Tensile Strain on Engineered Human Tendon Tissue Disturbs Cell Adhesions, Changes Matrix Architecture, and Induces an Inflammatory Phenotype. PLoS ONE, 2014, 9, e86078.	2.5	54
72	Contraction and AICAR Stimulate IL-6 Vesicle Depletion From Skeletal Muscle Fibers In Vivo. Diabetes, 2013, 62, 3081-3092.	0.6	53

#	Article	IF	Citations
73	Myostatin expression during human muscle hypertrophy and subsequent atrophy: increased myostatin with detraining. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 215-223.	2.9	50
74	GH and IGF1 levels are positively associated with musculotendinous collagen expression: experiments in acromegalic and GH deficiency patients. European Journal of Endocrinology, 2010, 163, 853-862.	3.7	49
75	The possible role of myostatin in skeletal muscle atrophy and cachexia. Scandinavian Journal of Medicine and Science in Sports, 2006, 16, 74-82.	2.9	48
76	Expression patterns of atrogenic and ubiquitin proteasome component genes with exercise: effect of different loading patterns and repeated exercise bouts. Journal of Applied Physiology, 2007, 103, 1513-1522.	2.5	48
77	Rac1 and AMPK Account for the Majority of Muscle Glucose Uptake Stimulated by Ex Vivo Contraction but Not In Vivo Exercise. Diabetes, 2017, 66, 1548-1559.	0.6	48
78	Cha4p of Saccharomyces cerevisiae Activates Transcription Via Serine/Threonine Response Elements. Genetics, 1996, 144, 467-478.	2.9	48
79	Tendon and skeletal muscle matrix gene expression and functional responses to immobilisation and rehabilitation in young males: effect of growth hormone administration. Journal of Physiology, 2013, 591, 6039-6052.	2.9	47
80	Preserved capacity for satellite cell proliferation, regeneration, and hypertrophy in the skeletal muscle of healthy elderly men. FASEB Journal, 2020, 34, 6418-6436.	0.5	46
81	Local biochemical and morphological differences in human Achilles tendinopathy: a case control study. BMC Musculoskeletal Disorders, 2012, 13, 53.	1.9	45
82	Early development of tendinopathy in humans: Sequence of pathological changes in structure and tissue turnover signaling. FASEB Journal, 2020, 34, 776-788.	0.5	45
83	Low tendon stiffness and abnormal ultrastructure distinguish classic Ehlersâ€Ðanlos syndrome from benign joint hypermobility syndrome in patients. FASEB Journal, 2014, 28, 4668-4676.	0.5	44
84	mTORC2 and AMPK differentially regulate muscle triglyceride content via Perilipin 3. Molecular Metabolism, 2016, 5, 646-655.	6.5	44
85	Carbonâ€14 bomb pulse dating shows that tendinopathy is preceded by years of abnormally high collagen turnover. FASEB Journal, 2018, 32, 4763-4775.	0.5	42
86	Regulation of VEGF and bFGF mRNA expression and other proliferative compounds in skeletal muscle cells. Angiogenesis, 2004, 7, 255-267.	7.2	41
87	Activated Protein Synthesis and Suppressed Protein Breakdown Signaling in Skeletal Muscle of Critically Ill Patients. PLoS ONE, 2011, 6, e18090.	2.5	41
88	Local NSAID infusion does not affect protein synthesis and gene expression in human muscle after eccentric exercise. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 630-644.	2.9	40
89	Blockades of mitogen-activated protein kinase and calcineurin both change fibre-type markers in skeletal muscle culture. Pflugers Archiv European Journal of Physiology, 2002, 445, 437-443.	2.8	39
90	Myogenin induces higher oxidative capacity in pre-existing mouse muscle fibres after somatic DNA transfer. Journal of Physiology, 2003, 548, 259-269.	2.9	37

#	Article	IF	Citations
91	Metallothionein-mediated antioxidant defense system and its response to exercise training are impaired in human type 2 diabetes. Diabetes 2005;54:3089-3094. Diabetes, 2005, 54, 3089-3094.	0.6	36
92	Lack of muscle fibre hypertrophy, myonuclear addition, and satellite cell pool expansion with resistance training in 83â€94â€yearâ€old men and women. Acta Physiologica, 2019, 227, e13271.	3.8	36
93	Light-load resistance exercise increases muscle protein synthesis and hypertrophy signaling in elderly men. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E326-E338.	3.5	35
94	Effect of growth hormone on aging connective tissue in muscle and tendon: gene expression, morphology, and function following immobilization and rehabilitation. Journal of Applied Physiology, 2014, 116, 192-203.	2.5	34
95	Skeletal muscle morphology and regulatory signalling in endurance-trained and sedentary individuals: The influence of ageing. Experimental Gerontology, 2017, 93, 54-67.	2.8	34
96	Lack of AMPKÎ±2 enhances pyruvate dehydrogenase activity during exercise. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1242-E1249.	3.5	33
97	Contractionâ€induced lipolysis is not impaired by inhibition of hormoneâ€sensitive lipase in skeletal muscle. Journal of Physiology, 2013, 591, 5141-5155.	2.9	33
98	Molecular indicators of denervation in aging human skeletal muscle. Muscle and Nerve, 2019, 60, 453-463.	2.2	33
99	Heat shock protein translocation and expression response is attenuated in response to repeated eccentric exercise. Acta Physiologica, 2009, 196, 283-293.	3.8	32
100	Inducible deletion of skeletal muscle AMPKÎ± reveals that AMPK is required for nucleotide balance but dispensable for muscle glucose uptake and fat oxidation during exercise. Molecular Metabolism, 2020, 40, 101028.	6.5	32
101	Effect of sex differences on human MEF2 regulation during endurance exercise. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E408-E415.	3.5	31
102	No inflammatory gene-expression response to acute exercise in human Achilles tendinopathy. European Journal of Applied Physiology, 2013, 113, 2101-2109.	2.5	31
103	A regulatory element in the CHA1 promoter which confers inducibility by serine and threonine on Saccharomyces cerevisiae genes.. Molecular and Cellular Biology, 1993, 13, 7604-7611.	2.3	30
104	Regulation of oxidative enzyme activity and eukaryotic elongation factor 2 in human skeletal muscle: influence of gender and exercise. Acta Physiologica Scandinavica, 2005, 184, 215-224.	2.2	30
105	An anti-inflammatory phenotype in visceral adipose tissue of old lean mice, augmented by exercise. Scientific Reports, 2019, 9, 12069.	3.3	30
106	Key Components of Human Myofibre Denervation and Neuromuscular Junction Stability are Modulated by Age and Exercise. Cells, 2020, 9, 893.	4.1	30
107	Effect of acute exercise on patella tendon protein synthesis and gene expression. SpringerPlus, 2013, 2, 109.	1.2	29
108	Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E142-E153.	3.5	28

#	Article	IF	Citations
109	Preserved skeletal muscle protein anabolic response to acute exercise and protein intake in well-treated rheumatoid arthritis patients. Arthritis Research and Therapy, 2015, 17, 271.	3.5	28
110	AMPKÎ± 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-E914.	3.5	28
111	AMPK and Insulin Action - Responses to Ageing and High Fat Diet. PLoS ONE, 2013, 8, e62338.	2.5	28
112	An advanced glycation endproduct (<scp>AGE</scp>)â€rich diet promotes accumulation of <scp>AGE</scp>s in Achilles tendon. Physiological Reports, 2017, 5, e13215.	1.7	27
113	Effects of anti-inflammatory (NSAID) treatment on human tendinopathic tissue. Journal of Applied Physiology, 2017, 123, 1397-1405.	2.5	27
114	Gene gun bombardment-mediated expression and translocation of EGFP-tagged GLUT4 in skeletal muscle fibres in vivo. Pflugers Archiv European Journal of Physiology, 2002, 444, 710-721.	2.8	26
115	Positive muscle protein net balance and differential regulation of atrogene expression after resistance exercise and milk protein supplementation. European Journal of Nutrition, 2014, 53, 321-333.	3.9	26
116	Macrophage Subpopulations and the Acute Inflammatory Response of Elderly Human Skeletal Muscle to Physiological Resistance Exercise. Frontiers in Physiology, 2020, 11, 811.	2.8	26
117	Tendon collagen synthesis declines with immobilization in elderly humans: no effect of anti-inflammatory medication. Journal of Applied Physiology, 2017, 122, 273-282.	2.5	25
118	Î²-Actin shows limited mobility and is required only for supraphysiological insulin-stimulated glucose transport in young adult soleus muscle. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E110-E125.	3.5	25
119	Thyroid hormone receptor Î± in skeletal muscle is essential for T3â€mediated increase in energy expenditure. FASEB Journal, 2020, 34, 15480-15491.	0.5	25
120	Systemic stiffening of mouse tail tendon is related to dietary advanced glycation end products but not high-fat diet or cholesterol. Journal of Applied Physiology, 2014, 117, 840-847.	2.5	24
121	Chronic alterations in growth hormone/insulin-like growth factor-I signaling lead to changes in mouse tendon structure. Matrix Biology, 2014, 34, 96-104.	3.6	24
122	Skeletal muscle mitochondrial function in polycystic ovarian syndrome. European Journal of Endocrinology, 2011, 165, 631-637.	3.7	23
123	Resistance exercise, but not endurance exercise, induces IKKÎ² phosphorylation in human skeletal muscle of training-accustomed individuals. Pflugers Archiv European Journal of Physiology, 2013, 465, 1785-1795.	2.8	23
124	Skeletal muscle adaptation to immobilization and subsequent retraining in elderly men: No effect of anti-inflammatory medication. Experimental Gerontology, 2016, 82, 8-18.	2.8	22
125	Exercise-induced regulation of matrix metalloproteinases in the skeletal muscle of subjects with type 2 diabetes. Diabetes and Vascular Disease Research, 2014, 11, 324-334.	2.0	21
126	Satellite cell response to erythropoietin treatment and endurance training in healthy young men. Journal of Physiology, 2016, 594, 727-743.	2.9	21

#	Article	IF	Citations
127	Gene expression of myogenic factors and phenotype-specific markers in electrically stimulated muscle of paraplegics. Journal of Applied Physiology, 2005, 99, 164-172.	2.5	20
128	Changed mitochondrial function by pre- and/or postpartum diet alterations in sheep. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1349-E1357.	3.5	20
129	Gene expression in distinct regions of rat tendons in response to jump training combined with anabolic androgenic steroid administration. European Journal of Applied Physiology, 2012, 112, 1505-1515.	2.5	20
130	A Regulatory Element in the CHA1 Promoter Which Confers Inducibility by Serine and Threonine on Saccharomyces cerevisiae Genes. Molecular and Cellular Biology, 1993, 13, 7604-7611.	2.3	20
131	Local trauma in human patellar tendon leads to widespread changes in the tendon gene expression. Journal of Applied Physiology, 2016, 120, 1000-1010.	2.5	19
132	Partial Disruption of Lipolysis Increases Postexercise Insulin Sensitivity in Skeletal Muscle Despite Accumulation of DAG. Diabetes, 2016, 65, 2932-2942.	0.6	19
133	Coordinated increase in skeletal muscle fiber area and expression of IGF-I with resistance exercise in elderly post-operative patients. Growth Hormone and IGF Research, 2010, 20, 134-140.	1.1	18
134	Age and prior exercise in vivo determine the subsequent in vitro molecular profile of myoblasts and nonmyogenic cells derived from human skeletal muscle. American Journal of Physiology - Cell Physiology, 2019, 316, C898-C912.	4.6	18
135	Simvastatin and atorvastatin reduce the mechanical properties of tendon constructs in vitro and introduce catabolic changes in the gene expression pattern. PLoS ONE, 2017, 12, e0172797.	2.5	18
136	Losartan has no additive effect on the response to heavy-resistance exercise in human elderly skeletal muscle. Journal of Applied Physiology, 2018, 125, 1536-1554.	2.5	16
137	The effect of resistance exercise upon age-related systemic and local skeletal muscle inflammation. Experimental Gerontology, 2019, 121, 19-32.	2.8	16
138	The activity of satellite cells and myonuclei following 8Âweeks of strength training in young men with suppressed testosterone levels. Acta Physiologica, 2015, 213, 676-687.	3.8	15
139	Insulinâ€stimulated glucose uptake partly relies on p21â€activated kinase (PAK)2, but not PAK1, in mouse skeletal muscle. Journal of Physiology, 2020, 598, 5351-5377.	2.9	15
140	Preserved stem cell content and innervation profile of elderly human skeletal muscle with lifelong recreational exercise. Journal of Physiology, 2022, 600, 1969-1989.	2.9	15
141	The heat shock protein response following eccentric exercise in human skeletal muscle is unaffected by local NSAID infusion. European Journal of Applied Physiology, 2013, 113, 1883-1893.	2.5	14
142	Immobilization Decreases FOXO3a Phosphorylation and Increases Autophagy-Related Gene and Protein Expression in Human Skeletal Muscle. Frontiers in Physiology, 2019, 10, 736.	2.8	14
143	Neuromuscular Electrical Stimulation Preserves Leg Lean Mass in Geriatric Patients. Medicine and Science in Sports and Exercise, 2020, 52, 773-784.	0.4	14
144	Myogenic, matrix, and growth factor mRNA expression in human skeletal muscle: Effect of contraction intensity and feeding. Muscle and Nerve, 2013, 47, 748-759.	2.2	13

#	Article	IF	Citations
145	Rac1 in Muscle Is Dispensable for Improved Insulin Action After Exercise in Mice. Endocrinology, 2016, 157, 3009-3015.	2.8	13
146	Effect of light-load resistance exercise on postprandial amino acid transporter expression in elderly men. Physiological Reports, 2017, 5, e13444.	1.7	13
147	Impact of habituated dietary protein intake on fasting and postprandial whole-body protein turnover and splanchnic amino acid metabolism in elderly men: a randomized, controlled, crossover trial. American Journal of Clinical Nutrition, 2020, 112, 1468-1484.	4.7	13
148	No Treatment Benefits of Local Administration of Insulin-like Growth Factor-1 in Addition to Heavy Slow Resistance Training in Tendinopathic Human Patellar Tendons: A Randomized, Double-Blind, Placebo-Controlled Trial With 1-Year Follow-up. American Journal of Sports Medicine, 2021, 49, 2361-2370.	4.2	13
149	Effects of 2â€‰weeks lower limb immobilization and two separate rehabilitation regimens on gastrocnemius muscle protein turnover signaling and normalization genes. BMC Research Notes, 2012, 5, 166.	1.4	12
150	Four weeks one-leg training and high fat diet does not alter PPARÎ± protein or mRNA expression in human skeletal muscle. European Journal of Applied Physiology, 2007, 101, 105-114.	2.5	11
151	Effect of Losartan on the Acute Response of Human Elderly Skeletal Muscle to Exercise. Medicine and Science in Sports and Exercise, 2018, 50, 225-235.	0.4	11
152	Early Growth Response Genes Increases Rapidly After Mechanical Overloading and Unloading in Tendon Constructs. Journal of Orthopaedic Research, 2020, 38, 173-181.	2.3	11
153	No detectable remodelling in adult human menisci: an analysis based on the C¹⁴ bomb pulse. British Journal of Sports Medicine, 2020, 54, 1433-1437.	6.7	11
154	Direct small molecule ADaM-site AMPK activators reveal an AMPKÎ³3-independent mechanism for blood glucose lowering. Molecular Metabolism, 2021, 51, 101259.	6.5	10
155	The Importance of Internal Controls in mRNA Quantification. Journal of Applied Physiology, 2001, 90, 401-402.	2.5	9
156	GH receptor blocker administration and muscleâ€“tendon collagen synthesis in humans. Growth Hormone and IGF Research, 2011, 21, 140-145.	1.1	9
157	LPS-induced cytokine production in the monocytic cell line THP-1 determined by multiple quantitative competitive PCR (QC-PCR). Scandinavian Journal of Clinical and Laboratory Investigation, 2002, 62, 405-412.	1.2	8
158	Muscle satellite cell content and mRNA signaling in germ cell cancer patients â€“ effects of chemotherapy and resistance training. Acta OncolÃ³gica, 2016, 55, 1246-1250.	1.8	8
159	Cellular homeostatic tension and force transmission measured in human engineered tendon. Journal of Biomechanics, 2018, 78, 161-165.	2.1	8
160	Muscleâ€strain injury exudate favors acute tissue healing and prolonged connective tissue formation in humans. FASEB Journal, 2019, 33, 10369-10382.	0.5	8
161	Investigating circadian clock gene expression in human tendon biopsies from acute exercise and immobilization studies. European Journal of Applied Physiology, 2019, 119, 1387-1394.	2.5	8
162	Existence of life-time stable proteins in mature ratsâ€”Dating of proteinsâ€™ age by repeated short-term exposure to labeled amino acids throughout age. PLoS ONE, 2017, 12, e0185605.	2.5	8

#	Article	IF	Citations
163	T-Cell Mean Telomere Lengths Changes in Treatment NaÃ¯ve HIV-Infected Patients Randomized to G-CSF or Placebo Simultaneously with Initiation of HAART. Scandinavian Journal of Immunology, 2001, 54, 301-305.	2.7	7
164	No donor age effect of human serum on collagen synthesis signaling and cell proliferation of human tendon fibroblasts. Mechanisms of Ageing and Development, 2012, 133, 246-254.	4.6	7
165	Impaired collagen synthesis in the rectum may be a molecular target in anastomotic leakage prophylaxis. Wound Repair and Regeneration, 2017, 25, 532-535.	3.0	7
166	Quantification of cell density in rat Achilles tendon: development and application of a new method. Histochemistry and Cell Biology, 2017, 147, 97-102.	1.7	7
167	The influence of direct and indirect fibroblast cell contact on human myogenic cell behavior and gene expression in vitro. Journal of Applied Physiology, 2019, 127, 342-355.	2.5	7
168	A Human Cellular Model for Colorectal Anastomotic Repair: The Effect of Localization and Transforming Growth Factor-Î²1 Treatment on Collagen Deposition and Biomarkers. International Journal of Molecular Sciences, 2021, 22, 1616.	4.1	7
169	Proliferation and telomere length in acutely mobilized blood mononuclear cells in HIV infected patients. Clinical and Experimental Immunology, 2002, 127, 499-506.	2.6	6
170	Acquired Localized Cutis Laxa due to Increased Elastin Turnover. Case Reports in Dermatology, 2016, 8, 42-51.	0.8	6
171	AXIN1 knockout does not alter AMPK/mTORC1 regulation and glucose metabolism in mouse skeletal muscle. Journal of Physiology, 2021, 599, 3081-3100.	2.9	6
172	RNA sequencing and immunofluorescence of the myotendinous junction of mature horses and humans. American Journal of Physiology - Cell Physiology, 2021, 321, C453-C470.	4.6	6
173	Effects of G-CSF on Telomere Lengths in PBMCs from Human Immunodeficiency Virus-Infected Patients: Results From a Randomized, Placebo-Controlled Trial. Scandinavian Journal of Immunology, 2000, 52, 212-216.	2.7	5
174	Collagens in primary frozen shoulder: expression of collagen mRNA isoforms in the different phases of the disease. Rheumatology, 2021, 60, 3879-3887.	1.9	5
175	Spatial expression of metallothionein, matrix metalloproteinase-1 and Ki-67 in human epidermal wounds treated with zinc and determined by quantitative immunohistochemistry: A randomised double-blind trial. European Journal of Cell Biology, 2021, 100, 151147.	3.6	5
176	Collagen content in the vastus lateralis and the soleus muscle following a 90-day bed rest period with or without resistance exercises. Muscles, Ligaments and Tendons Journal, 2015, 5, 305-9.	0.3	5
177	Gene doping. Scandinavian Journal of Medicine and Science in Sports, 2008, 18, 121-122.	2.9	4
178	Skeletal muscle morphology, protein synthesis, and gene expression in Ehlers-Danlos syndrome. Journal of Applied Physiology, 2017, 123, 482-488.	2.5	4
179	Influence of the integrin alpha-1 subunit and its relationship with high-fat diet upon extracellular matrix synthesis in skeletal muscle and tendon. Cell and Tissue Research, 2020, 381, 177-187.	2.9	4
180	Human skeletal muscle acetylcholine receptor gene expression in elderly males performing heavy resistance exercise. American Journal of Physiology - Cell Physiology, 2022, 323, C159-C169.	4.6	4

#	Article	IF	Citations
181	Regional differences in turnover, composition, and mechanics of the porcine flexor tendon. Connective Tissue Research, 2020, 61, 475-484.	2.3	3
182	Collagen content in the vastus lateralis and the soleus muscle following a 90-day bed rest period with or without resistance exercises. Muscles, Ligaments and Tendons Journal, 2019, 05, 305.	0.3	3
183	Gene deletion of Î³â€actin impairs insulinâ€stimulated skeletal muscle glucose uptake in growing mice but not in mature adult mice. Physiological Reports, 2022, 10, e15183.	1.7	3
184	The regional turnover of cartilage collagen matrix in late-stage human knee osteoarthritis. Osteoarthritis and Cartilage, 2022, 30, 886-895.	1.3	3
185	Human derived tendon cells contribute to myotube formation in vitro. Experimental Cell Research, 2022, 417, 113164.	2.6	3
186	Effects of Subcutaneous IL-2 Therapy on Telomere Lengths in PBMC in HIV-Infected Patients. Scandinavian Journal of Immunology, 2001, 53, 315-319.	2.7	2
187	Validation of the <scp>IDS</scp> Octeia <scp>ELISA</scp> for the determination of insulinâ€like growth factor 1 in equine serum and tendon tissue extracts. Veterinary Clinical Pathology, 2013, 42, 184-189.	0.7	2
188	Serum insulinâ€like growth factor 1 in the aging horse. Veterinary Clinical Pathology, 2014, 43, 557-560.	0.7	2
189	Alterations in molecular muscle mass regulators after 8 days immobilizing Special Forces mission. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, 175-183.	2.9	2
190	Gene expression profiling in patients with polymyalgia rheumatica before and after symptom-abolishing glucocorticoid treatment. BMC Musculoskeletal Disorders, 2017, 18, 341.	1.9	2
191	Response to resistance training following immobilization-Influence of delaying post-exercise meal. Translational Sports Medicine, 2018, 1, 191-203.	1.1	2
192	Glucagon-Like Peptide-2 Analogue ZP1849 Augments Colonic Anastomotic Wound Healing. Gastroenterology Research and Practice, 2020, 2020, 1-9.	1.5	2
193	Collagen Growth Pattern in Human Articular Cartilage of the Knee. Cartilage, 2020, , 194760352097101.	2.7	2
194	Postprandial muscle protein synthesis rate is unaffected by 20-day habituation to a high protein intake: a randomized controlled, crossover trial. European Journal of Nutrition, 2021, 60, 4307-4319.	3.9	2
195	Impaired skeletal muscle hypertrophy signaling and amino acid deprivation response in Apoe knockout mice with an unhealthy lipoprotein distribution. Scientific Reports, 2021, 11, 16423.	3.3	2
196	Mutual stimulatory signaling between human myogenic cells and rat cerebellar neurons. Physiological Reports, 2021, 9, e15077.	1.7	2
197	Nestin and osteocrin mRNA increases in human semitendinosus myotendinous junction 7Âdays after a single bout of eccentric exercise. Histochemistry and Cell Biology, 2022, , 1.	1.7	1
198	S8.17 siRNA knock-down of creatine kinase in rat primary myotube culture. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S52.	1.0	0

#	Article	IF	Citations
199	Rapid Rise in Protein Degradation Pathways in Immobilized Skeletal Muscle Of Elderly Humans. Medicine and Science in Sports and Exercise, 2011, 43, 414.	0.4	0
200	A possible role of MAP-1 in skeletal muscle regeneration. Immunobiology, 2012, 217, 1130.	1.9	0
201	Early Signs Of Extra Cellular Matrix Remodeling After Immobilization In Old And Young Human Individuals. Medicine and Science in Sports and Exercise, 2015, 47, 850.	0.4	0
202	Radiocarbon dating of human articular cartilage shows minimal collagen turnover after maturity in both healthy and osteoarthritic tissue. Osteoarthritis and Cartilage, 2016, 24, S146-S147.	1.3	0
203	Does Habituation To High Protein Intake Affect Amino Acid Handling?. Medicine and Science in Sports and Exercise, 2018, 50, 838.	0.4	0
204	Effect Of An Unhealthy Lipoprotein Distribution On Muscle Protein Synthesis Response To Whey Protein Feeding. Medicine and Science in Sports and Exercise, 2018, 50, 838.	0.4	0
205	Growth Hormone supplementation upâ€regulates collagen expression in human muscle and tendon. FASEB Journal, 2008, 22, 1188.6.	0.5	0
206	Expression of anabolic factors and extraâ€cellular matrix related factors in rat tendon and skeletal muscle in response to different types of muscle contractions. FASEB Journal, 2008, 22, 753.26.	0.5	0
207	The effect of Insulin Like Growth Factor I on matrix synthesis in engineered human tendon tissue. FASEB Journal, 2013, 27, 713.9.	0.5	0
208	Human Achilles tendon: Absence of renewal during adult life revealed by nuclear bomb 14C. FASEB Journal, 2013, 27, 749.13.	0.5	0
209	Leukemia inhibitory factor stimulates muscle glucose uptake by a PI3â€kinase dependent pathway that is maintained in white muscle in obesity (1162.4). FASEB Journal, 2014, 28, 1162.4.	0.5	0