# Peter Schjerling

## List of Publications by Citations



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|---|---|---|---|
| 201 papers | 11,634 citations | 56 h-index | 104 g-index |
| 212 ext. papers | 12,809 ext. citations | 4 avg, IF | 5.93 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 201 | Pro- and anti-inflammatory cytokine balance in strenuous exercise in humans. *Journal of Physiology*, **1999**, 515 ( Pt 1), 287-91 | 3.9 | 629 |
| 200 | Interleukin-6 stimulates lipolysis and fat oxidation in humans. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 3005-10 | 5.6 | 491 |
| 199 | Knockout of the alpha2 but not alpha1 5'AMP-activated protein kinase isoform abolishes 5-aminoimidazole-4-carboxamide-1-beta-4-ribofuranosidebut not contraction-induced glucose uptake in skeletal muscle. *Journal of Biological Chemistry*, **2004**, 279, 1070-9 | 5.4 | 436 |
| 198 | Vitamin D controls T cell antigen receptor signaling and activation of human T cells. *Nature Immunology*, **2010**, 11, 344-9 | 19.1 | 408 |
| 197 | Patients with type 2 diabetes have normal mitochondrial function in skeletal muscle. *Diabetologia*, **2007**, 50, 790-6 | 10.3 | 401 |
| 196 | Muscle-derived interleukin-6: possible biological effects. *Journal of Physiology*, **2001**, 536, 329-37 | 3.9 | 356 |
| 195 | Interleukin-6 production in contracting human skeletal muscle is influenced by pre-exercise muscle glycogen content. *Journal of Physiology*, **2001**, 537, 633-9 | 3.9 | 304 |
| 194 | A trauma-like elevation of plasma cytokines in humans in response to treadmill running. *Journal of Physiology*, **1998**, 513 ( Pt 3), 889-94 | 3.9 | 257 |
| 193 | The effects of heavy resistance training and detraining on satellite cells in human skeletal muscles. *Journal of Physiology*, **2004**, 558, 1005-12 | 3.9 | 232 |
| 192 | Effects of alpha-AMPK knockout on exercise-induced gene activation in mouse skeletal muscle. *FASEB Journal*, **2005**, 19, 1146-8 | 0.9 | 230 |
| 191 | Physical activity and plasma interleukin-6 in humans--effect of intensity of exercise. *European Journal of Applied Physiology*, **2000**, 83, 512-5 | 3.4 | 230 |
| 190 | Comparative amino acid sequence analysis of the C6 zinc cluster family of transcriptional regulators. *Nucleic Acids Research*, **1996**, 24, 4599-607 | 20.1 | 201 |
| 189 | The need for transparency and good practices in the qPCR literature. *Nature Methods*, **2013**, 10, 1063-7 | 21.6 | 197 |
| 188 | Lack of tissue renewal in human adult Achilles tendon is revealed by nuclear bomb (14)C. *FASEB Journal*, **2013**, 27, 2074-9 | 0.9 | 197 |
| 187 | The alpha2-5'AMP-activated protein kinase is a site 2 glycogen synthase kinase in skeletal muscle and is responsive to glucose loading. *Diabetes*, **2004**, 53, 3074-81 | 0.9 | 197 |
| 186 | Expression of collagen and related growth factors in rat tendon and skeletal muscle in response to specific contraction types. *Journal of Physiology*, **2007**, 582, 1303-16 | 3.9 | 194 |
| 185 | Muscle contractions induce interleukin-6 mRNA production in rat skeletal muscles. *Journal of Physiology*, **2000**, 528 Pt 1, 157-63 | 3.9 | 185 |

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| 184 | 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, E1308-17 | 6 | 161 |
| 183 | Effect of intermittent fasting and refeeding on insulin action in healthy men. *Journal of Applied Physiology*, **2005**, 99, 2128-36 | 3.7 | 158 |
| 182 | Whey and casein labeled with L-[1-13C]leucine and muscle protein synthesis: effect of resistance exercise and protein ingestion. *American Journal of Physiology - Endocrinology and Metabolism*, **2011** , 300, E231-42 | 6 | 142 |
| 181 | Growth hormone stimulates the collagen synthesis in human tendon and skeletal muscle without affecting myofibrillar protein synthesis. *Journal of Physiology*, **2010**, 588, 341-51 | 3.9 | 140 |
| 180 | Role of AMPKalpha2 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, E331-9 | 6 | 140 |
| 179 | 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, 573-81 | 3.7 | 140 |
| 178 | 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, 231-40 | 3.9 | 132 |
| 177 | Rac1 signaling is required for insulin-stimulated glucose uptake and is dysregulated in insulin-resistant murine and human skeletal muscle. *Diabetes*, **2013**, 62, 1865-75 | 0.9 | 128 |
| 176 | Exercise and interleukin-6. *Current Opinion in Hematology*, **2001**, 8, 137-41 | 3.3 | 127 |
| 175 | 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, 1943-59 | 0.9 | 123 |
| 174 | The behaviour of satellite cells in response to exercise: what have we learned from human studies?. *Pflugers Archiv European Journal of Physiology*, **2005**, 451, 319-27 | 4.6 | 117 |
| 173 | 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, R844-53 | 3.2 | 111 |
| 172 | Aging affects the transcriptional regulation of human skeletal muscle disuse atrophy. *PLoS ONE*, **2012**, 7, e51238 | 3.7 | 110 |
| 171 | Lipid-binding proteins and lipoprotein lipase activity in human skeletal muscle: influence of physical activity and gender. *Journal of Applied Physiology*, **2004**, 97, 1209-18 | 3.7 | 108 |
| 170 | Ageing is associated with diminished muscle re-growth and myogenic precursor cell expansion early after immobility-induced atrophy in human skeletal muscle. *Journal of Physiology*, **2013**, 591, 3789-804 | 3.9 | 106 |
| 169 | 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, 178-86 | 3.7 | 105 |
| 168 | Rac1 is a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. *Diabetes*, **2013**, 62, 1139-51 | 0.9 | 103 |
| 167 | Plasma interleukin-6 during strenuous exercise: role of epinephrine. *American Journal of Physiology - Cell Physiology*, **2001**, 281, C1001-4 | 5.4 | 100 |

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| 166 | 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, 302-12 | 3.1 | 99 |
| 165 | Muscle, genes and athletic performance. *Scientific American*, **2000**, 283, 48-55 | 0.5 | 97 |
| 164 | Chemokines are elevated in plasma after strenuous exercise in humans. *European Journal of Applied Physiology*, **2001**, 84, 244-5 | 3.4 | 96 |
| 163 | Acute interleukin-6 administration does not impair muscle glucose uptake or whole-body glucose disposal in healthy humans. *Journal of Physiology*, **2003**, 548, 631-8 | 3.9 | 95 |
| 162 | Radiocarbon dating reveals minimal collagen turnover in both healthy and osteoarthritic human cartilage. *Science Translational Medicine*, **2016**, 8, 346ra90 | 17.5 | 94 |
| 161 | Mitochondrial respiration in subcutaneous and visceral adipose tissue from patients with morbid obesity. *Journal of Physiology*, **2010**, 588, 2023-32 | 3.9 | 89 |
| 160 | Prior AICAR stimulation increases insulin sensitivity in mouse skeletal muscle in an AMPK-dependent manner. *Diabetes*, **2015**, 64, 2042-55 | 0.9 | 87 |
| 159 | Are exercise-induced genes induced by exercise?. *FASEB Journal*, **2005**, 19, 94-6 | 0.9 | 84 |
| 158 | Acute exercise and physiological insulin induce distinct phosphorylation signatures on TBC1D1 and TBC1D4 proteins in human skeletal muscle. *Journal of Physiology*, **2014**, 592, 351-75 | 3.9 | 81 |
| 157 | PGC-1alpha and PGC-1beta have both similar and distinct effects on myofiber switching toward an oxidative phenotype. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 291, E807-16 | 6 | 80 |
| 156 | Vitamin D-binding protein controls T cell responses to vitamin D. *BMC Immunology*, **2014**, 15, 35 | 3.7 | 77 |
| 155 | Genetic impairment of AMPKalpha2 signaling does not reduce muscle glucose uptake during treadmill exercise in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E924-34 | 6 | 76 |
| 154 | Life-long endurance exercise in humans: circulating levels of inflammatory markers and leg muscle size. *Mechanisms of Ageing and Development*, **2013**, 134, 531-40 | 5.6 | 75 |
| 153 | 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, E1106-14 | 6 | 74 |
| 152 | Rac1 governs exercise-stimulated glucose uptake in skeletal muscle through regulation of GLUT4 translocation in mice. *Journal of Physiology*, **2016**, 594, 4997-5008 | 3.9 | 71 |
| 151 | AMPK alpha1 activation is required for stimulation of glucose uptake by twitch contraction, but not by H2O2, in mouse skeletal muscle. *PLoS ONE*, **2008**, 3, e2102 | 3.7 | 71 |
| 150 | Cytokines in aging and exercise. *International Journal of Sports Medicine*, **2000**, 21 Suppl 1, S4-9 | 3.6 | 64 |
| 149 | Resistance training and insulin action in humans: effects of de-training. *Journal of Physiology*, **2003**, 551, 1049-58 | 3.9 | 64 |

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| 148 | Contraction-induced skeletal muscle FAT/CD36 trafficking and FA uptake is AMPK independent. *Journal of Lipid Research*, **2011**, 52, 699-711 | 6.3 | 59 |
| 147 | Acute mTOR inhibition induces insulin resistance and alters substrate utilization in vivo. *Molecular Metabolism*, **2014**, 3, 630-41 | 8.8 | 57 |
| 146 | Activation of satellite cells and the regeneration of human skeletal muscle are expedited by ingestion of nonsteroidal anti-inflammatory medication. *FASEB Journal*, **2016**, 30, 2266-81 | 0.9 | 56 |
| 145 | AMPK is critical for enhancing skeletal muscle fatty acid utilization during in vivo exercise in mice. *FASEB Journal*, **2015**, 29, 1725-38 | 0.9 | 55 |
| 144 | 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, 1145-52 | 12.7 | 55 |
| 143 | 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 | 4.6 | 54 |
| 142 | LKB1 regulates lipid oxidation during exercise independently of AMPK. *Diabetes*, **2013**, 62, 1490-9 | 0.9 | 54 |
| 141 | Does vitamin-D intake during resistance training improve the skeletal muscle hypertrophic and strength response in young and elderly men? - a randomized controlled trial. *Nutrition and Metabolism*, **2015**, 12, 32 | 4.6 | 51 |
| 140 | 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, 564-72 | 3.7 | 51 |
| 139 | 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, 579-93 | 3.9 | 50 |
| 138 | Muscle glycogen content and glucose uptake during exercise in humans: influence of prior exercise and dietary manipulation. *Journal of Physiology*, **2002**, 541, 273-81 | 3.9 | 48 |
| 137 | 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, E1099-109 | 6 | 47 |
| 136 | Exercise induces recruitment of lymphocytes with an activated phenotype and short telomeres in young and elderly humans. *Life Sciences*, **1999**, 65, 2623-33 | 6.8 | 47 |
| 135 | Simplified data access on human skeletal muscle transcriptome responses to differentiated exercise. *Scientific Data*, **2014**, 1, 140041 | 8.2 | 46 |
| 134 | Vitamin D up-regulates the vitamin D receptor by protecting it from proteasomal degradation in human CD4+ T cells. *PLoS ONE*, **2014**, 9, e96695 | 3.7 | 46 |
| 133 | Effects of concentric and repeated eccentric exercise on muscle damage and calpain-calpastatin gene expression in human skeletal muscle. *European Journal of Applied Physiology*, **2008**, 103, 323-32 | 3.4 | 46 |
| 132 | The possible role of myostatin in skeletal muscle atrophy and cachexia. *Scandinavian Journal of Medicine and Science in Sports*, **2006**, 16, 74-82 | 4.6 | 46 |
| 131 | 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 | 3.7 | 46 |

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| 130 | Role of AMPK in regulation of LC3 lipidation as a marker of autophagy in skeletal muscle. *Cellular Signalling*, **2016**, 28, 663-74 | 4.9 | 45 |
| 129 | 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, 1513-22 | 3.7 | 45 |
| 128 | Myostatin expression during human muscle hypertrophy and subsequent atrophy: increased myostatin with detraining. *Scandinavian Journal of Medicine and Science in Sports*, **2011**, 21, 215-23 | 4.6 | 42 |
| 127 | Cha4p of Saccharomyces cerevisiae activates transcription via serine/threonine response elements. *Genetics*, **1996**, 144, 467-78 | 4 | 42 |
| 126 | GH and IGF1 levels are positively associated with musculotendinous collagen expression: experiments in acromegalic and GH deficiency patients. *European Journal of Endocrinology*, **2010**, 163, 853-62 | 6.5 | 41 |
| 125 | Contraction and AICAR stimulate IL-6 vesicle depletion from skeletal muscle fibers in vivo. *Diabetes*, **2013**, 62, 3081-92 | 0.9 | 40 |
| 124 | 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, 6039-52 | 3.9 | 39 |
| 123 | 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 | 0.9 | 37 |
| 122 | mTORC2 and AMPK differentially regulate muscle triglyceride content via Perilipin 3. *Molecular Metabolism*, **2016**, 5, 646-655 | 8.8 | 37 |
| 121 | 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, 630-44 | 4.6 | 37 |
| 120 | Regulation of VEGF and bFGF mRNA expression and other proliferative compounds in skeletal muscle cells. *Angiogenesis*, **2004**, 7, 255-67 | 10.6 | 37 |
| 119 | Low tendon stiffness and abnormal ultrastructure distinguish classic Ehlers-Danlos syndrome from benign joint hypermobility syndrome in patients. *FASEB Journal*, **2014**, 28, 4668-76 | 0.9 | 36 |
| 118 | Local biochemical and morphological differences in human Achilles tendinopathy: a case control study. *BMC Musculoskeletal Disorders*, **2012**, 13, 53 | 2.8 | 36 |
| 117 | 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, 437-43 | 4.6 | 34 |
| 116 | Myogenin induces higher oxidative capacity in pre-existing mouse muscle fibres after somatic DNA transfer. *Journal of Physiology*, **2003**, 548, 259-69 | 3.9 | 34 |
| 115 | Activated protein synthesis and suppressed protein breakdown signaling in skeletal muscle of critically ill patients. *PLoS ONE*, **2011**, 6, e18090 | 3.7 | 33 |
| 114 | Contraction-induced lipolysis is not impaired by inhibition of hormone-sensitive lipase in skeletal muscle. *Journal of Physiology*, **2013**, 591, 5141-55 | 3.9 | 31 |
| 113 | Metallothionein-mediated antioxidant defense system and its response to exercise training are impaired in human type 2 diabetes. *Diabetes*, **2005**, 54, 3089-94 | 0.9 | 31 |

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| 112 | Heat shock protein translocation and expression response is attenuated in response to repeated eccentric exercise. *Acta Physiologica*, **2009**, 196, 283-93 | 5.6 | 30 |
| 111 | Regulation of oxidative enzyme activity and eukaryotic elongation factor 2 in human skeletal muscle: influence of gender and exercise. *Acta Physiologica Scandinavica*, **2005**, 184, 215-24 | | 29 |
| 110 | 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 | 3.7 | 28 |
| 109 | Lack of AMPKalpha2 enhances pyruvate dehydrogenase activity during exercise. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E1242-9 | 6 | 28 |
| 108 | No inflammatory gene-expression response to acute exercise in human Achilles tendinopathy. *European Journal of Applied Physiology*, **2013**, 113, 2101-9 | 3.4 | 27 |
| 107 | Effect of sex differences on human MEF2 regulation during endurance exercise. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E408-15 | 6 | 27 |
| 106 | A regulatory element in the CHA1 promoter which confers inducibility by serine and threonine on Saccharomyces cerevisiae genes. *Molecular and Cellular Biology*, **1993**, 13, 7604-11 | 4.8 | 27 |
| 105 | Skeletal muscle morphology and regulatory signalling in endurance-trained and sedentary individuals: The influence of ageing. *Experimental Gerontology*, **2017**, 93, 54-67 | 4.5 | 25 |
| 104 | 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, 710-21 | 4.6 | 25 |
| 103 | Early development of tendinopathy in humans: Sequence of pathological changes in structure and tissue turnover signaling. *FASEB Journal*, **2020**, 34, 776-788 | 0.9 | 25 |
| 102 | Positive muscle protein net balance and differential regulation of atrogene expression after resistance exercise and milk protein supplementation. *European Journal of Nutrition*, **2014**, 53, 321-33 | 5.2 | 24 |
| 101 | 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 |
| 100 | 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 | 6 | 22 |
| 99 | Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E142-53 | 6 | 22 |
| 98 | 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 | 5.7 | 21 |
| 97 | AMPK and insulin action--responses to ageing and high fat diet. *PLoS ONE*, **2013**, 8, e62338 | 3.7 | 21 |
| 96 | Preserved capacity for satellite cell proliferation, regeneration, and hypertrophy in the skeletal muscle of healthy elderly men. *FASEB Journal*, **2020**, 34, 6418-6436 | 0.9 | 20 |
| 95 | Carbon-14 bomb pulse dating shows that tendinopathy is preceded by years of abnormally high collagen turnover. *FASEB Journal*, **2018**, 32, 4763-4775 | 0.9 | 20 |

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| 94 | Effects of anti-inflammatory (NSAID) treatment on human tendinopathic tissue. *Journal of Applied Physiology*, **2017**, 123, 1397-1405 | 3.7 | 20 |
| 93 | 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, 840-7 | 3.7 | 20 |
| 92 | Molecular indicators of denervation in aging human skeletal muscle. *Muscle and Nerve*, **2019**, 60, 453-463 | 3.4 | 19 |
| 91 | Lack of muscle fibre hypertrophy, myonuclear addition, and satellite cell pool expansion with resistance training in 83-94-year-old men and women. *Acta Physiologica*, **2019**, 227, e13271 | 5.6 | 18 |
| 90 | An anti-inflammatory phenotype in visceral adipose tissue of old lean mice, augmented by exercise. *Scientific Reports*, **2019**, 9, 12069 | 4.9 | 18 |
| 89 | Chronic alterations in growth hormone/insulin-like growth factor-I signaling lead to changes in mouse tendon structure. *Matrix Biology*, **2014**, 34, 96-104 | 11.4 | 18 |
| 88 | 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, 1505-15 | 3.4 | 18 |
| 87 | Effect of acute exercise on patella tendon protein synthesis and gene expression. *SpringerPlus*, **2013**, 2, 109 | | 18 |
| 86 | Changed mitochondrial function by pre- and/or postpartum diet alterations in sheep. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E1349-57 | 6 | 18 |
| 85 | Skeletal muscle mitochondrial function in polycystic ovarian syndrome. *European Journal of Endocrinology*, **2011**, 165, 631-7 | 6.5 | 18 |
| 84 | Skeletal muscle adaptation to immobilization and subsequent retraining in elderly men: No effect of anti-inflammatory medication. *Experimental Gerontology*, **2016**, 82, 8-18 | 4.5 | 18 |
| 83 | Partial Disruption of Lipolysis Increases Postexercise Insulin Sensitivity in Skeletal Muscle Despite Accumulation of DAG. *Diabetes*, **2016**, 65, 2932-42 | 0.9 | 18 |
| 82 | Tendon collagen synthesis declines with immobilization in elderly humans: no effect of anti-inflammatory medication. *Journal of Applied Physiology*, **2017**, 122, 273-282 | 3.7 | 17 |
| 81 | 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 | 4.8 | 17 |
| 80 | An advanced glycation endproduct (AGE)-rich diet promotes accumulation of AGEs in Achilles tendon. *Physiological Reports*, **2017**, 5, e13215 | 2.6 | 16 |
| 79 | Resistance exercise, but not endurance exercise, induces IKK□phosphorylation in human skeletal muscle of training-accustomed individuals. *Pflugers Archiv European Journal of Physiology*, **2013**, 465, 1785-95 | 4.6 | 16 |
| 78 | 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, 134-40 | 2 | 16 |
| 77 | Gene expression of myogenic factors and phenotype-specific markers in electrically stimulated muscle of paraplegics. *Journal of Applied Physiology*, **2005**, 99, 164-72 | 3.7 | 16 |

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| 76 | Satellite cell response to erythropoietin treatment and endurance training in healthy young men. *Journal of Physiology*, **2016**, 594, 727-43 | 3.9 | 16 |
| 75 | Inducible deletion of skeletal muscle AMPK 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 |
| 74 | Local trauma in human patellar tendon leads to widespread changes in the tendon gene expression. *Journal of Applied Physiology*, **2016**, 120, 1000-10 | 3.7 | 15 |
| 73 | 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 | 6 | 14 |
| 72 | Exercise-induced regulation of matrix metalloproteinases in the skeletal muscle of subjects with type 2 diabetes. *Diabetes and Vascular Disease Research*, **2014**, 11, 324-34 | 3.3 | 14 |
| 71 | Key Components of Human Myofibre Denervation and Neuromuscular Junction Stability are Modulated by Age and Exercise. *Cells*, **2020**, 9, | 7.9 | 14 |
| 70 | Myogenic, matrix, and growth factor mRNA expression in human skeletal muscle: effect of contraction intensity and feeding. *Muscle and Nerve*, **2013**, 47, 748-59 | 3.4 | 13 |
| 69 | 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 | 5.4 | 12 |
| 68 | Macrophage Subpopulations and the Acute Inflammatory Response of Elderly Human Skeletal Muscle to Physiological Resistance Exercise. *Frontiers in Physiology*, **2020**, 11, 811 | 4.6 | 12 |
| 67 | 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, 1883-93 | 3.4 | 12 |
| 66 | Rac1 in Muscle Is Dispensable for Improved Insulin Action After Exercise in Mice. *Endocrinology*, **2016**, 157, 3009-15 | 4.8 | 11 |
| 65 | The effect of resistance exercise upon age-related systemic and local skeletal muscle inflammation. *Experimental Gerontology*, **2019**, 121, 19-32 | 4.5 | 10 |
| 64 | Four weeks one-leg training and high fat diet does not alter PPARalpha protein or mRNA expression in human skeletal muscle. *European Journal of Applied Physiology*, **2007**, 101, 105-14 | 3.4 | 10 |
| 63 | Thyroid hormone receptor in skeletal muscle is essential for T3-mediated increase in energy expenditure. *FASEB Journal*, **2020**, 34, 15480-15491 | 0.9 | 10 |
| 62 | Insulin-stimulated glucose uptake partly relies on p21-activated kinase (PAK)2, but not PAK1, in mouse skeletal muscle. *Journal of Physiology*, **2020**, 598, 5351-5377 | 3.9 | 10 |
| 61 | Effect of light-load resistance exercise on postprandial amino acid transporter expression in elderly men. *Physiological Reports*, **2017**, 5, e13444 | 2.6 | 9 |
| 60 | Immobilization Decreases FOXO3a Phosphorylation and Increases Autophagy-Related Gene and Protein Expression in Human Skeletal Muscle. *Frontiers in Physiology*, **2019**, 10, 736 | 4.6 | 9 |
| 59 | The activity of satellite cells and myonuclei following 8 weeks of strength training in young men with suppressed testosterone levels. *Acta Physiologica*, **2015**, 213, 676-87 | 5.6 | 9 |

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| 58 | 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 | 3.7 | 9 |
| 57 | The importance of internal controls in mRNA quantification. *Journal of Applied Physiology*, **2001**, 90, 401-2 | 3.7 | 9 |
| 56 | 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 | 3.7 | 9 |
| 55 | 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 | 7 | 9 |
| 54 | No detectable remodelling in adult human menisci: an analysis based on the C bomb pulse. *British Journal of Sports Medicine*, **2020**, 54, 1433-1437 | 10.3 | 8 |
| 53 | GH receptor blocker administration and muscle-tendon collagen synthesis in humans. *Growth Hormone and IGF Research*, **2011**, 21, 140-5 | 2 | 8 |
| 52 | Neuromuscular Electrical Stimulation Preserves Leg Lean Mass in Geriatric Patients. *Medicine and Science in Sports and Exercise*, **2020**, 52, 773-784 | 1.2 | 8 |
| 51 | 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, 246-54 | 5.6 | 7 |
| 50 | Effects of 2 weeks lower limb immobilization and two separate rehabilitation regimens on gastrocnemius muscle protein turnover signaling and normalization genes. *BMC Research Notes*, **2012**, 5, 166 | 2.3 | 7 |
| 49 | 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, 405-12 | 2 | 7 |
| 48 | Muscle-strain injury exudate favors acute tissue healing and prolonged connective tissue formation in humans. *FASEB Journal*, **2019**, 33, 10369-10382 | 0.9 | 6 |
| 47 | 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 | 1.2 | 6 |
| 46 | Cellular homeostatic tension and force transmission measured in human engineered tendon. *Journal of Biomechanics*, **2018**, 78, 161-165 | 2.9 | 6 |
| 45 | Proliferation and telomere length in acutely mobilized blood mononuclear cells in HIV infected patients. *Clinical and Experimental Immunology*, **2002**, 127, 499-506 | 6.2 | 6 |
| 44 | Existence of life-time stable proteins in mature rats-Dating of proteins by age by repeated short-term exposure to labeled amino acids throughout age. *PLoS ONE*, **2017**, 12, e0185605 | 3.7 | 6 |
| 43 | Early Growth Response Genes Increases Rapidly After Mechanical Overloading and Unloading in Tendon Constructs. *Journal of Orthopaedic Research*, **2020**, 38, 173-181 | 3.8 | 6 |
| 42 | Muscle satellite cell content and mRNA signaling in germ cell cancer patients - effects of chemotherapy and resistance training. *Acta Oncologica*, **2016**, 55, 1246-1250 | 3.2 | 6 |
| 41 | Impaired collagen synthesis in the rectum may be a molecular target in anastomotic leakage prophylaxis. *Wound Repair and Regeneration*, **2017**, 25, 532-535 | 3.6 | 5 |

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