Michael Kjaer

List of Publications by Year
in descending order

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330 papers	20,566 citations	7087 78 h-index	13365 130 g-index
345 all docs	345 docs citations	345 times ranked	17201 citing authors

#	Article	IF	Citations
1	Role of Extracellular Matrix in Adaptation of Tendon and Skeletal Muscle to Mechanical Loading. Physiological Reviews, 2004, 84, 649-698.	13.1	1,189
2	Muscle and Blood Metabolites during a Soccer Game. Medicine and Science in Sports and Exercise, 2006, 38, 1165-1174.	0.2	526
3	Coordinated collagen and muscle protein synthesis in human patella tendon and quadriceps muscle after exercise. Journal of Physiology, 2005, 567, 1021-1033.	1.3	469
4	Muscle performance during maximal isometric and dynamic contractions is influenced by the stiffness of the tendinous structures. Journal of Applied Physiology, 2005, 99, 986-994.	1.2	389
5	Basic Components of Connective Tissues and Extracellular Matrix: Elastin, Fibrillin, Fibulins, Fibrinogen, Fibronectin, Laminin, Tenascins and Thrombospondins. Advances in Experimental Medicine and Biology, 2014, 802, 31-47.	0.8	374
6	Loadâ€displacement properties of the human triceps surae aponeurosis in vivo. Journal of Physiology, 2001, 531, 277-288.	1.3	352
7	Differentially Activated Macrophages Orchestrate Myogenic Precursor Cell Fate During Human Skeletal Muscle Regeneration. Stem Cells, 2013, 31, 384-396.	1.4	343
8	The pathogenesis of tendinopathy: balancing the response to loading. Nature Reviews Rheumatology, 2010, 6, 262-268.	3.5	321
9	Type I collagen synthesis and degradation in peritendinous tissue after exercise determined by microdialysis in humans. Journal of Physiology, 1999, 521, 299-306.	1.3	288
10	Heavy Slow Resistance Versus Eccentric Training as Treatment for Achilles Tendinopathy. American Journal of Sports Medicine, 2015, 43, 1704-1711.	1.9	274
11	Biomechanical Responses to Repeated Stretches in Human Hamstring Muscle In Vivo. American Journal of Sports Medicine, 1996, 24, 622-628.	1.9	273
12	Human tendon behaviour and adaptation,in vivo. Journal of Physiology, 2008, 586, 71-81.	1.3	252
13	Lack of tissue renewal in human adult Achilles tendon is revealed by nuclear bomb ¹⁴ C. FASEB Journal, 2013, 27, 2074-2079.	0.2	247
14	Training-induced changes in muscle CSA, muscle strength, EMG, and rate of force development in elderly subjects after long-term unilateral disuse. Journal of Applied Physiology, 2004, 97, 1954-1961.	1.2	243
15	Creatine supplementation augments the increase in satellite cell and myonuclei number in human skeletal muscle induced by strength training. Journal of Physiology, 2006, 573, 525-534.	1.3	243
16	Trainingâ€induced changes in peritendinous type I collagen turnover determined by microdialysis in humans. Journal of Physiology, 2001, 534, 297-302.	1.3	218
17	Extracellular matrix adaptation of tendon and skeletal muscle to exercise. Journal of Anatomy, 2006, 208, 445-450.	0.9	210
18	Mechanical and physiological responses to stretching with and without preisometric contraction in human skeletal muscle. Archives of Physical Medicine and Rehabilitation, 1996, 77, 373-378.	0.5	209

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19	Changes in satellite cells in human skeletal muscle after a single bout of high intensity exercise. Journal of Physiology, 2004, 558, 333-340.	1.3	209
20	Molecular aging and rejuvenation of human muscle stem cells. EMBO Molecular Medicine, 2009, 1, 381-391.	3.3	204
21	The effect of resistance training combined with timed ingestion of protein on muscle fiber size and muscle strength. Metabolism: Clinical and Experimental, 2005, 54, 151-156.	1.5	202
22	Effect of two contrasting types of physical exercise on chronic neck muscle pain. Arthritis and Rheumatism, 2008, 59, 84-91.	6.7	199
23	Increase in muscle nociceptive substances and anaerobic metabolism in patients with trapezius myalgia: microdialysis in rest and during exercise. Pain, 2004, 112, 324-334.	2.0	196
24	Fibril Morphology and Tendon Mechanical Properties in Patellar Tendinopathy. American Journal of Sports Medicine, 2010, 38, 749-756.	1.9	191
25	Identification of Athletes at Future Risk of Anterior Cruciate Ligament Ruptures by Neuromuscular Screening. American Journal of Sports Medicine, 2009, 37, 1967-1973.	1.9	188
26	Resistance Training in the Early Postoperative Phase Reduces Hospitalization and Leads to Muscle Hypertrophy in Elderly Hip Surgery PatientsÃ¢Â€Â”A Controlled, Randomized Study. Journal of the American Geriatrics Society, 2004, 52, 2016-2022.	1.3	184
27	The adaptability of tendon to loading differs in men and women. International Journal of Experimental Pathology, 2007, 88, 237-240.	0.6	165
28	Muscle after spinal cord injury. Muscle and Nerve, 2009, 40, 499-519.	1.0	163
29	Growth hormone stimulates the collagen synthesis in human tendon and skeletal muscle without affecting myofibrillar protein synthesis. Journal of Physiology, 2010, 588, 341-351.	1.3	160
30	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.	1.8	159
31	Exercise increases interleukin-10 levels both intraarticularly and peri-synovially in patients with knee osteoarthritis: a randomized controlled trial. Arthritis Research and Therapy, 2010, 12, R126.	1.6	156
32	Region-specific differences in Achilles tendon cross-sectional area in runners and non-runners. European Journal of Applied Physiology, 2003, 90, 549-553.	1.2	154
33	The influence of anti-inflammatory medication on exercise-induced myogenic precursor cell responses in humans. Journal of Applied Physiology, 2007, 103, 425-431.	1.2	153
34	Effects of aging on muscle mechanical function and muscle fiber morphology during short-term immobilization and subsequent retraining. Journal of Applied Physiology, 2010, 109, 1628-1634.	1.2	150
35	Effect of aging and exercise on the tendon. Journal of Applied Physiology, 2016, 121, 1353-1362.	1.2	148
36	Substantial elevation of interleukinâ€6 concentration in peritendinous tissue, in contrast to muscle, following prolonged exercise in humans. Journal of Physiology, 2002, 542, 985-990.	1.3	147

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37	Resistance training induces qualitative changes in muscle morphology, muscle architecture, and muscle function in elderly postoperative patients. Journal of Applied Physiology, 2008, 105, 180-186.	1.2	147
38	Metabolism and inflammatory mediators in the peritendinous space measured by microdialysis during intermittent isometric exercise in humans. Journal of Physiology, 1999, 515, 919-927.	1.3	146
39	Regional blood flow during exercise in humans measured by near-infrared spectroscopy and indocyanine green. Journal of Applied Physiology, 2000, 89, 1868-1878.	1.2	146
40	Differential displacement of the human soleus and medial gastrocnemius aponeuroses during isometric plantar flexor contractions in vivo. Journal of Applied Physiology, 2004, 97, 1908-1914.	1.2	145
41	Copenhagen Consensus statement 2019: physical activity and ageing. British Journal of Sports Medicine, 2019, 53, 856-858.	3.1	145
42	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.	1.3	143
43	The Effects of Neuromuscular Training on Knee Joint Motor Control During Sidecutting in Female Elite Soccer and Handball Players. Clinical Journal of Sport Medicine, 2008, 18, 329-337.	0.9	142
44	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.	0.2	140
45	Combined inhibition of nitric oxide and prostaglandins reduces human skeletal muscle blood flow during exercise. Journal of Physiology, 2002, 543, 691-698.	1.3	135
46	Tendon collagen synthesis at rest and after exercise in women. Journal of Applied Physiology, 2007, 102, 541-546.	1.2	135
47	Assessment of satellite cell number and activity status in human skeletal muscle biopsies. Muscle and Nerve, 2009, 40, 455-465.	1.0	135
48	Aging Affects the Transcriptional Regulation of Human Skeletal Muscle Disuse Atrophy. PLoS ONE, 2012, 7, e51238.	1.1	132
49	Radiocarbon dating reveals minimal collagen turnover in both healthy and osteoarthritic human cartilage. Science Translational Medicine, 2016, 8, 346ra90.	5.8	130
50	Lysyl Oxidase Activity Is Required for Ordered Collagen Fibrillogenesis by Tendon Cells. Journal of Biological Chemistry, 2015, 290, 16440-16450.	1.6	125
51	Mechanical Muscle Function, Morphology, and Fiber Type in Lifelong Trained Elderly. Medicine and Science in Sports and Exercise, 2007, 39, 1989-1996.	0.2	123
52	Role of TGF-Î²₁ in relation to exercise-induced type I collagen synthesis in human tendinous tissue. Journal of Applied Physiology, 2003, 95, 2390-2397.	1.2	122
53	Experimental evidence against the mitochondrial theory of aging A study of isolated human skeletal muscle mitochondria. Experimental Gerontology, 2003, 38, 877-886.	1.2	120
54	The impact of loading, unloading, ageing and injury on the human tendon. Journal of Physiology, 2019, 597, 1283-1298.	1.3	119

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55	Blood flow and oxygenation in peritendinous tissue and calf muscle during dynamic exercise in humans. Journal of Physiology, 2000, 524, 305-313.	1.3	116
56	Effect of estrogen on tendon collagen synthesis, tendon structural characteristics, and biomechanical properties in postmenopausal women. Journal of Applied Physiology, 2009, 106, 1385-1393.	1.2	112
57	Self-reported physical activity compared with maximal oxygen uptake in adults. European Journal of Cardiovascular Prevention and Rehabilitation, 2007, 14, 422-428.	3.1	111
58	Contraction intensity and feeding affect collagen and myofibrillar protein synthesis rates differently in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E257-E269.	1.8	107
59	Improved physical performance after orthotopic liver transplantation. Liver Transplantation, 1999, 5, 301-309.	1.9	103
60	Protein-containing nutrient supplementation following strength training enhances the effect on muscle mass, strength, and bone formation in postmenopausal women. Journal of Applied Physiology, 2008, 105, 274-281.	1.2	101
61	Life-long endurance running is associated with reduced glycation and mechanical stress in connective tissue. Age, 2014, 36, 9665.	3.0	99
62	The Effect of Aging and Mechanical Loading on the Metabolism of Articular Cartilage. Journal of Rheumatology, 2017, 44, 410-417.	1.0	99
63	Incidence of Injury and Physical Performance Adaptations During Military Training. Clinical Journal of Sport Medicine, 2003, 13, 157-163.	0.9	97
64	3â€‹scp›D‹/scp› ultrastructure and collagen composition of healthy and overloaded human tendon: evidence of tenocyte and matrix buckling. Journal of Anatomy, 2014, 224, 548-555.	0.9	97
65	Expression of insulin-like growth factor I, insulin-like growth factor binding proteins, and collagen mRNA in mechanically loaded plantaris tendon. Journal of Applied Physiology, 2006, 101, 183-188.	1.2	96
66	Increase in interstitial interleukin-6 of human skeletal muscle with repetitive low-force exercise. Journal of Applied Physiology, 2005, 98, 477-481.	1.2	93
67	Cardiovascular Control During Exercise. Circulation, 2003, 107, 2127-2133.	1.6	89
68	No effect of menstrual cycle on myofibrillar and connective tissue protein synthesis in contracting skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E163-E168.	1.8	89
69	Muscle oxygen uptake and energy turnover during dynamic exercise at different contraction frequencies in humans. Journal of Physiology, 2001, 536, 261-271.	1.3	88
70	Interleukin-6: a growth factor stimulating collagen synthesis in human tendon. Journal of Applied Physiology, 2011, 110, 1549-1554.	1.2	88
71	Ibuprofen alters human testicular physiology to produce a state of compensated hypogonadism. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E715-E724.	3.3	88
72	ATP and heat production in human skeletal muscle during dynamic exercise: higher efficiency of anaerobic than aerobic ATP resynthesis. Journal of Physiology, 2003, 549, 255-269.	1.3	87

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73	Physical capacity influences the response of insulin-like growth factor and its binding proteins to training. Journal of Applied Physiology, 2002, 93, 1669-1675.	1.2	86
74	Increased Cross-sectional Area and Reduced Tensile Stress of the Achilles Tendon in Elderly Compared With Young Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2003, 58, B123-B127.	1.7	85
75	The breaking and making of healthy adult human skeletal muscle in vivo. Skeletal Muscle, 2017, 7, 24.	1.9	85
76	Interstitial and arterialâ€venous [K +] in human calf muscle during dynamic exercise: effect of ischaemia and relation to muscle pain. Journal of Physiology, 2000, 529, 849-861.	1.3	84
77	Resistance training, insulin sensitivity and muscle function in the elderly. Essays in Biochemistry, 2006, 42, 75-88.	2.1	83
78	Associations between overall physical activity level and cardiovascular risk factors in an adult population. European Journal of Epidemiology, 2007, 22, 369-378.	2.5	81
79	The initiation of embryonic-like collagen fibrillogenesis by adult human tendon fibroblasts when cultured under tension. Biomaterials, 2010, 31, 4889-4897.	5.7	81
80	Nonsteroidal Anti-Inflammatory Drug or Glucosamine Reduced Pain and Improved Muscle Strength With Resistance Training in a Randomized Controlled Trial of Knee Osteoarthritis Patients. Archives of Physical Medicine and Rehabilitation, 2011, 92, 1185-1193.	0.5	81
81	The Ruptured Achilles Tendon Elongates for 6 Months After Surgical Repair Regardless of Early or Late Weightbearing in Combination With Ankle Mobilization: A Randomized Clinical Trial. American Journal of Sports Medicine, 2018, 46, 2492-2502.	1.9	80
82	Human skeletal muscle fibroblasts stimulate in vitro myogenesis and in vivo muscle regeneration. Journal of Physiology, 2017, 595, 5115-5127.	1.3	79
83	Influence of age and resistance exercise on human skeletal muscle proteolysis: a microdialysis approach. Journal of Physiology, 2004, 554, 803-813.	1.3	77
84	Lower strength of the human posterior patellar tendon seems unrelated to mature collagen cross-linking and fibril morphology. Journal of Applied Physiology, 2010, 108, 47-52.	1.2	75
85	The effect of strength training, recreational soccer and running exercise on stretchâ€“shortening cycle muscle performance during countermovement jumping. Human Movement Science, 2012, 31, 970-986.	0.6	75
86	The effect of normoxic or hypobaric hypoxic endurance training on the hypoxic ventilatory response. Medicine and Science in Sports and Exercise, 1992, 24, 769???775.	0.2	74
87	The Effect of Strength and Flexibility Training on Skeletal Muscle Electromyographic Activity, Stiffness, and Viscoelastic Stress Relaxation Response. American Journal of Sports Medicine, 1997, 25, 710-716.	1.9	74
88	Adrenal medulla and exercise training. European Journal of Applied Physiology, 1998, 77, 195-199.	1.2	74
89	Human skeletal muscle mitochondrial metabolism in youth and senescence: no signs of functional changes in ATP formation and mitochondrial oxidative capacity. Pflugers Archiv European Journal of Physiology, 2003, 446, 270-278.	1.3	74
90	Muscle Activation During Selected Strength Exercises in Women With Chronic Neck Muscle Pain. Physical Therapy, 2008, 88, 703-711.	1.1	74

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91	Sex hormones and skeletal muscle weakness. Biogerontology, 2013, 14, 231-245.	2.0	73
92	Role of the sympathoadrenergic system in adipose tissue metabolism during exercise in humans. Journal of Physiology, 2001, 536, 283-294.	1.3	72
93	Effects of ageing on single muscle fibre contractile function following shortâ€term immobilisation. Journal of Physiology, 2011, 589, 4745-4757.	1.3	72
94	Mechanical properties of human patellar tendon at the hierarchical levels of tendon and fibril. Journal of Applied Physiology, 2012, 112, 419-426.	1.2	72
95	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.	0.2	72
96	Evidence of skeletal muscle damage following electrically stimulated isometric muscle contractions in humans. Journal of Applied Physiology, 2008, 105, 1620-1627.	1.2	71
97	Lateral force transmission between human tendon fascicles. Matrix Biology, 2008, 27, 86-95.	1.5	70
98	Influence of Sex and Estrogen on Musculotendinous Protein Turnover at Rest and After Exercise. Exercise and Sport Sciences Reviews, 2014, 42, 183-192.	1.6	69
99	Human Achilles tendon glycation and function in diabetes. Journal of Applied Physiology, 2016, 120, 130-137.	1.2	67
100	Early versus Delayed Rehabilitation after Acute Muscle Injury. New England Journal of Medicine, 2017, 377, 1300-1301.	13.9	67
101	Exercise-dependent IGF-I, IGFBPs, and type I collagen changes in human peritendinous connective tissue determined by microdialysis. Journal of Applied Physiology, 2007, 102, 214-220.	1.2	64
102	Ethinyl oestradiol administration in women suppresses synthesis of collagen in tendon in response to exercise. Journal of Physiology, 2008, 586, 3005-3016.	1.3	63
103	Acute Growth Hormone Administration Causes Exaggerated Increases in Plasma Lactate and Glycerol during Moderate to High Intensity Bicycling in Trained Young Men. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 4966-4975.	1.8	62
104	Extensive Monitoring Through Multiple Blood Samples in Professional Soccer Players. Journal of Strength and Conditioning Research, 2013, 27, 1260-1271.	1.0	62
105	Dynamic Adaptation of Tendon and Muscle Connective Tissue to Mechanical Loading. Connective Tissue Research, 2008, 49, 165-168.	1.1	59
106	Effect of acute resistance exercise and sex on human patellar tendon structural and regulatory mRNA expression. Journal of Applied Physiology, 2009, 106, 468-475.	1.2	59
107	Effect of anti-inflammatory medication on the running-induced rise in patella tendon collagen synthesis in humans. Journal of Applied Physiology, 2011, 110, 137-141.	1.2	59
108	Tensile Force Transmission in Human Patellar Tendon Fascicles Is Not Mediated by Glycosaminoglycans. Connective Tissue Research, 2011, 52, 415-421.	1.1	59

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109	Corticosteroids Reduce the Tensile Strength of Isolated Collagen Fascicles. American Journal of Sports Medicine, 2006, 34, 1992-1997.	1.9	58
110	Enhanced procollagen processing in skeletal muscle after a single bout of eccentric loading in humans. Matrix Biology, 2004, 23, 259-264.	1.5	57
111	Influence of time spent on TV viewing and vigorous intensity physical activity on cardiovascular biomarkers. The Inter 99 study. European Journal of Cardiovascular Prevention and Rehabilitation, 2007, 14, 660-665.	3.1	57
112	Glutaraldehyde Cross-Linking of Tendonâ€"Mechanical Effects at the Level of the Tendon Fascicle and Fibril. Connective Tissue Research, 2009, 50, 211-222.	1.1	56
113	Effect of contrasting physical exercise interventions on rapid force capacity of chronically painful muscles. Journal of Applied Physiology, 2009, 107, 1413-1419.	1.2	55
114	Role of adenosine in regulating the heterogeneity of skeletal muscle blood flow during exercise in humans. Journal of Applied Physiology, 2007, 103, 2042-2048.	1.2	54
115	Four days of muscle disuse impairs single fiber contractile function in young and old healthy men. Experimental Gerontology, 2013, 48, 154-161.	1.2	54
116	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.	1.1	54
117	Effects of Estrogen Replacement and Lower Androgen Status on Skeletal Muscle Collagen and Myofibrillar Protein Synthesis in Postmenopausal Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 1005-1013.	1.7	52
118	Gremlin-2 is a BMP antagonist that is regulated by the circadian clock. Scientific Reports, 2014, 4, 5183.	1.6	52
119	Growth hormone enhances effects of endurance training on oxidative muscle metabolism in elderly women. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E989-E996.	1.8	51
120	The Effects of Regular Strength Training on Telomere Length in Human Skeletal Muscle. Medicine and Science in Sports and Exercise, 2008, 40, 82-87.	0.2	51
121	Glucoregulation During Exercise. Sports Medicine, 2005, 35, 575-583.	3.1	50
122	Effect of training on contractile and metabolic properties of wrist extensors in spinal cord-injured individuals. Muscle and Nerve, 2003, 27, 72-80.	1.0	49
123	Increased proportion of megafibers in chronically painful muscles. Pain, 2008, 139, 588-593.	2.0	49
124	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.	1.9	49
125	Sex Hormones and Tendon. Advances in Experimental Medicine and Biology, 2016, 920, 139-149.	0.8	48
126	Hepatic Glucose Production during Exercise. Advances in Experimental Medicine and Biology, 1998, , 117-127.	0.8	47

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127	Abdominal Wall Reconstruction for Incisional Hernia Optimizes Truncal Function and Quality of Life. Annals of Surgery, 2017, 265, 1235-1240.	2.1	46
128	Preserved capacity for satellite cell proliferation, regeneration, and hypertrophy in the skeletal muscle of healthy elderly men. FASEB Journal, 2020, 34, 6418-6436.	0.2	46
129	Increased levels of interstitial potassium but normal levels of muscle IL-6 and LDH in patients with trapezius myalgia. Pain, 2005, 119, 201-209.	2.0	45
130	Old women with a recent fall history show improved muscle strength and function sustained for six months after finishing training. Aging Clinical and Experimental Research, 2007, 19, 300-309.	1.4	45
131	Type VI collagen turnoverâ€related peptidesâ€”novel serological biomarkers of muscle mass and anabolic response to loading in young men. Journal of Cachexia, Sarcopenia and Muscle, 2013, 4, 267-275.	2.9	45
132	Early development of tendinopathy in humans: Sequence of pathological changes in structure and tissue turnover signaling. FASEB Journal, 2020, 34, 776-788.	0.2	45
133	Low tendon stiffness and abnormal ultrastructure distinguish classic Ehlersâ€Danlos syndrome from benign joint hypermobility syndrome in patients. FASEB Journal, 2014, 28, 4668-4676.	0.2	44
134	Type IV collagen and its degradation in paralyzed human muscle: Effect of functional electrical stimulation. Muscle and Nerve, 2000, 23, 580-589.	1.0	43
135	Impact of oral contraceptive use and menstrual phases on patellar tendon morphology, biochemical composition, and biomechanical properties in female athletes. Journal of Applied Physiology, 2013, 114, 998-1008.	1.2	43
136	Carbonâ€14 bomb pulse dating shows that tendinopathy is preceded by years of abnormally high collagen turnover. FASEB Journal, 2018, 32, 4763-4775.	0.2	42
137	Ruptured human Achilles tendon has elevated metabolic activity up to 1Âyear after repair. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1868-1877.	3.3	41
138	Activated Protein Synthesis and Suppressed Protein Breakdown Signaling in Skeletal Muscle of Critically Ill Patients. PLoS ONE, 2011, 6, e18090.	1.1	41
139	Age related blood flow around the Achilles tendon during exercise in humans. European Journal of Applied Physiology, 2001, 84, 246-248.	1.2	40
140	Connective tissue regeneration in skeletal muscle after eccentric contraction-induced injury. Journal of Applied Physiology, 2017, 122, 533-540.	1.2	40
141	Training by low-frequency stimulation of tibialis anterior in spinal cord-injured men. Muscle and Nerve, 2002, 25, 685-694.	1.0	39
142	Influence of Oral Contraceptive Use on Adaptations to Resistance Training. Frontiers in Physiology, 2019, 10, 824.	1.3	39
143	Determination of steady-state protein breakdown rate in vivo by the disappearance of protein-bound tracer-labeled amino acids: a method applicable in humans. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E895-E907.	1.8	38
144	Bone blood flow and metabolism in humans: Effect of muscular exercise and other physiological perturbations. Journal of Bone and Mineral Research, 2013, 28, 1068-1074.	3.1	38

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145	The effect of dynamic knee-extension exercise on patellar tendon and quadriceps femoris muscle glucose uptake in humans studied by positron emission tomography. Journal of Applied Physiology, 2005, 99, 1189-1192.	1.2	37
146	Micromechanical Properties and Collagen Composition of Ruptured Human Achilles Tendon. American Journal of Sports Medicine, 2013, 41, 437-443.	1.9	37
147	Insulin-like growth factor I enhances collagen synthesis in engineered human tendon tissue. Growth Hormone and IGF Research, 2015, 25, 13-19.	0.5	37
148	Improved skeletal muscle mass and strength after heavy strength training in very old individuals. Experimental Gerontology, 2017, 92, 96-105.	1.2	37
149	Muscle Perfusion and Metabolic Heterogeneity. Exercise and Sport Sciences Reviews, 2006, 34, 164-170.	1.6	36
150	Effects of long-term immobilization and recovery on human triceps surae and collagen turnover in the Achilles tendon in patients with healing ankle fracture. Journal of Applied Physiology, 2008, 105, 420-426.	1.2	36
151	Counteracting Age-related Loss of Skeletal Muscle Mass: a clinical and ethnological trial on the role of protein supplementation and training load (CALM Intervention Study): study protocol for a randomized controlled trial. Trials, 2016, 17, 397.	0.7	36
152	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.	1.8	36
153	Corticosteroid injection is the best treatment in plantar fasciitis if combined with controlled training. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 5-12.	2.3	36
154	Exercise and NSAIDs. Medicine and Science in Sports and Exercise, 2011, 43, 425-431.	0.2	35
155	Intra-rater reliability and agreement of muscle strength, power and functional performance measures in patients with hip osteoarthritis. Journal of Rehabilitation Medicine, 2014, 46, 997-1005.	0.8	35
156	Short-term immobilization and recovery affect skeletal muscle but not collagen tissue turnover in humans. Journal of Applied Physiology, 2008, 105, 1845-1851.	1.2	34
157	Collagen Homeostasis and Metabolism. Advances in Experimental Medicine and Biology, 2016, 920, 11-25.	0.8	34
158	Skeletal muscle morphology and regulatory signalling in endurance-trained and sedentary individuals: The influence of ageing. Experimental Gerontology, 2017, 93, 54-67.	1.2	34
159	Physiological profile and incidence of injuries among elite figure skaters. Journal of Sports Sciences, 1992, 10, 29-36.	1.0	33
160	Molecular indicators of denervation in aging human skeletal muscle. Muscle and Nerve, 2019, 60, 453-463.	1.0	33
161	GH administration and discontinuation in healthy elderly men: effects on body composition, GH-related serum markers, resting heart rate and resting oxygen uptake. Clinical Endocrinology, 2001, 55, 77-86.	1.2	32
162	No inflammatory gene-expression response to acute exercise in human Achilles tendinopathy. European Journal of Applied Physiology, 2013, 113, 2101-2109.	1.2	31

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163	Clinical Outcomes, Structure, and Function Improve With Both Heavy and Moderate Loads in the Treatment of Patellar Tendinopathy: A Randomized Clinical Trial. American Journal of Sports Medicine, 2021, 49, 982-993.	1.9	31
164	Exercise and Regulation of Bone and Collagen Tissue Biology. Progress in Molecular Biology and Translational Science, 2015, 135, 259-291.	0.9	30
165	Key Components of Human Myofibre Denervation and Neuromuscular Junction Stability are Modulated by Age and Exercise. Cells, 2020, 9, 893.	1.8	30
166	In vitro tendon tissue development from human fibroblasts demonstrates collagen fibril diameter growth associated with a rise in mechanical strength. Developmental Dynamics, 2013, 242, 2-8.	0.8	29
167	Eccentric exercise: acute and chronic effects on healthy and diseased tendons. Journal of Applied Physiology, 2014, 116, 1435-1438.	1.2	29
168	Integrated method for quantitative morphometry and oxygen transport modeling in striated muscle. Journal of Applied Physiology, 2019, 126, 544-557.	1.2	29
169	Exercise-induced changes in circulating levels of transforming growth factor-Î²-1 in humans: methodological considerations. European Journal of Applied Physiology, 2003, 90, 171-177.	1.2	28
170	What is the impact of inflammation on the critical interplay between mechanical signaling and biochemical changes in tendon matrix?. Journal of Applied Physiology, 2013, 115, 879-883.	1.2	28
171	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.	1.6	28
172	Load magnitude affects patellar tendon mechanical properties but not collagen or collagen cross-linking after long-term strength training in older adults. BMC Geriatrics, 2019, 19, 30.	1.1	28
173	Moderate loading of the human osteoarthritic knee joint leads to lowering of intraarticular cartilage oligomeric matrix protein. Rheumatology International, 2012, 32, 1009-1014.	1.5	27
174	Increase in tendon protein synthesis in response to insulin-like growth factor-I is preserved in elderly men. Journal of Applied Physiology, 2014, 116, 42-46.	1.2	27
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