

# Abigail L Mackey

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,775  
citations

126708

33  
h-index

133063

59  
g-index

82  
all docs

82  
docs citations

82  
times ranked

4820  
citing authors

#	ARTICLE	IF	CITATIONS
1	The proteomic profile of the human myotendinous junction. <i>IScience</i> , 2022, 25, 103836.	1.9	13
2	Preserved stem cell content and innervation profile of elderly human skeletal muscle with lifelong recreational exercise. <i>Journal of Physiology</i> , 2022, 600, 1969-1989.	1.3	15
3	Nestin and osteocarin mRNA increases in human semitendinosus myotendinous junction 7 days after a single bout of eccentric exercise. <i>Histochemistry and Cell Biology</i> , 2022, , 1.	0.8	1
4	Human skeletal muscle acetylcholine receptor gene expression in elderly males performing heavy resistance exercise. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C159-C169.	2.1	4
5	Collagens in primary frozen shoulder: expression of collagen mRNA isoforms in the different phases of the disease. <i>Rheumatology</i> , 2021, 60, 3879-3887.	0.9	5
6	Adipocytes are present at human and murine myotendinous junctions. <i>Translational Sports Medicine</i> , 2021, 4, 223-230.	0.5	3
7	No demonstrable ultrastructural adaptation of the human myotendinous junction to immobilization or 4 weeks of heavy resistance training. <i>Translational Sports Medicine</i> , 2021, 4, 431.	0.5	1
8	Resting in bed – how quickly does the muscle lose its nerve?. <i>Journal of Physiology</i> , 2021, 599, 2995-2996.	1.3	2
9	Cardiorespiratory fitness and physical performance after childhood hematopoietic stem cell transplantation: a systematic review and meta-analysis. <i>Bone Marrow Transplantation</i> , 2021, 56, 2063-2078.	1.3	10
10	A biomarker perspective on the acute effect of exercise with and without impact on joint tissue turnover: an exploratory randomized cross-over study. <i>European Journal of Applied Physiology</i> , 2021, 121, 2799-2809.	1.2	10
11	Does moderate intensity impact exercise and non-impact exercise induce acute changes in collagen biochemical markers related to osteoarthritis? – An exploratory randomized cross-over trial. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 986-994.	0.6	14
12	Muscle-nerve communication and the molecular assessment of human skeletal muscle denervation with aging. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C317-C329.	2.1	29
13	RNA sequencing and immunofluorescence of the myotendinous junction of mature horses and humans. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C453-C470.	2.1	6
14	Mutual stimulatory signaling between human myogenic cells and rat cerebellar neurons. <i>Physiological Reports</i> , 2021, 9, e15077.	0.7	2
15	Neuromuscular Electrical Stimulation Preserves Leg Lean Mass in Geriatric Patients. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 773-784.	0.2	14
16	Proteomics identifies differences in fibrotic potential of extracellular vesicles from human tendon and muscle fibroblasts. <i>Cell Communication and Signaling</i> , 2020, 18, 177.	2.7	13
17	Macrophage Subpopulations and the Acute Inflammatory Response of Elderly Human Skeletal Muscle to Physiological Resistance Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 811.	1.3	26
18	Preserved capacity for satellite cell proliferation, regeneration, and hypertrophy in the skeletal muscle of healthy elderly men. <i>FASEB Journal</i> , 2020, 34, 6418-6436.	0.2	46

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19	What is the impact of acute inflammation on muscle performance in geriatric patients?. <i>Experimental Gerontology</i> , 2020, 138, 111008.	1.2	7
20	Evaluation of serum ARGS neopeptide as an osteoarthritis biomarker using a standardized model for exercise-induced cartilage extra cellular matrix turnover. <i>Osteoarthritis and Cartilage Open</i> , 2020, 2, 100060.	0.9	9
21	Impact of low-volume concurrent strength training distribution on muscular adaptation. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 999-1004.	0.6	5
22	Key Components of Human Myofibre Denervation and Neuromuscular Junction Stability are Modulated by Age and Exercise. <i>Cells</i> , 2020, 9, 893.	1.8	30
23	An anti-inflammatory phenotype in visceral adipose tissue of old lean mice, augmented by exercise. <i>Scientific Reports</i> , 2019, 9, 12069.	1.6	30
24	Molecular indicators of denervation in aging human skeletal muscle. <i>Muscle and Nerve</i> , 2019, 60, 453-463.	1.0	33
25	The influence of direct and indirect fibroblast cell contact on human myogenic cell behavior and gene expression in vitro. <i>Journal of Applied Physiology</i> , 2019, 127, 342-355.	1.2	7
26	Lack of muscle fibre hypertrophy, myonuclear addition, and satellite cell pool expansion with resistance training in 83-year-old men and women. <i>Acta Physiologica</i> , 2019, 227, e13271.	1.8	36
27	Age and prior exercise in vivo determine the subsequent in vitro molecular profile of myoblasts and nonmyogenic cells derived from human skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C898-C912.	2.1	18
28	The influence of fibrillin-1 and physical activity upon tendon tissue morphology and mechanical properties in mice. <i>Physiological Reports</i> , 2019, 7, e14267.	0.7	9
29	Integrated method for quantitative morphometry and oxygen transport modeling in striated muscle. <i>Journal of Applied Physiology</i> , 2019, 126, 544-557.	1.2	29
30	Ibuprofen alters human testicular physiology to produce a state of compensated hypogonadism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E715-E724.	3.3	88
31	Effect of Losartan on the Acute Response of Human Elderly Skeletal Muscle to Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 225-235.	0.2	11
32	Losartan has no additive effect on the response to heavy-resistance exercise in human elderly skeletal muscle. <i>Journal of Applied Physiology</i> , 2018, 125, 1536-1554.	1.2	16
33	Skeletal muscle morphology and regulatory signalling in endurance-trained and sedentary individuals: The influence of ageing. <i>Experimental Gerontology</i> , 2017, 93, 54-67.	1.2	34
34	Human skeletal muscle fibroblasts stimulate <i>in vitro</i> myogenesis and <i>in vivo</i> muscle regeneration. <i>Journal of Physiology</i> , 2017, 595, 5115-5127.	1.3	79
35	Skeletal muscle morphology, protein synthesis, and gene expression in Ehlers-Danlos syndrome. <i>Journal of Applied Physiology</i> , 2017, 123, 482-488.	1.2	4
36	Improved skeletal muscle mass and strength after heavy strength training in very old individuals. <i>Experimental Gerontology</i> , 2017, 92, 96-105.	1.2	37

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37	Composition and adaptation of human myotendinous junction and neighboring muscle fibers to heavy resistance training. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 1547-1559.	1.3	48
38	Connective tissue regeneration in skeletal muscle after eccentric contraction-induced injury. <i>Journal of Applied Physiology</i> , 2017, 122, 533-540.	1.2	40
39	The breaking and making of healthy adult human skeletal muscle in vivo. <i>Skeletal Muscle</i> , 2017, 7, 24.	1.9	85
40	Activation of satellite cells and the regeneration of human skeletal muscle are expedited by ingestion of nonsteroidal anti-inflammatory medication. <i>FASEB Journal</i> , 2016, 30, 2266-2281.	0.2	72
41	Muscle satellite cell content and mRNA signaling in germ cell cancer patients – effects of chemotherapy and resistance training. <i>Acta Oncologica</i> , 2016, 55, 1246-1250.	0.8	8
42	Matters of fiber size and myonuclear domain: Does size matter more than age?. <i>Muscle and Nerve</i> , 2015, 52, 1040-1046.	1.0	24
43	Fiber type-specific response of skeletal muscle satellite cells to high-intensity resistance training in dialysis patients. <i>Muscle and Nerve</i> , 2015, 52, 736-745.	1.0	14
44	The human myotendinous junction: An ultrastructural and 3D analysis study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, e116-23.	1.3	49
45	Differential satellite cell density of type I and II fibres with lifelong endurance running in old men. <i>Acta Physiologica</i> , 2014, 210, 612-627.	1.8	47
46	Whey protein supplementation accelerates satellite cell proliferation during recovery from eccentric exercise. <i>Amino Acids</i> , 2014, 46, 2503-2516.	1.2	58
47	Life-long endurance exercise in humans: Circulating levels of inflammatory markers and leg muscle size. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 531-540.	2.2	94
48	Morphological adaptation of muscle collagen and receptor of advanced glycation end product (RAGE) in osteoarthritis patients with 12 weeks of resistance training: influence of anti-inflammatory or glucosamine treatment. <i>Rheumatology International</i> , 2013, 33, 2215-2224.	1.5	14
49	Differentially Activated Macrophages Orchestrate Myogenic Precursor Cell Fate During Human Skeletal Muscle Regeneration. <i>Stem Cells</i> , 2013, 31, 384-396.	1.4	343
50	Ageing is associated with diminished muscle re-growth and myogenic precursor cell expansion early after immobility-induced atrophy in human skeletal muscle. <i>Journal of Physiology</i> , 2013, 591, 3789-3804.	1.3	132
51	The expression of heat shock protein in human skeletal muscle: effects of muscle fibre phenotype and training background. <i>Acta Physiologica</i> , 2013, 209, 26-33.	1.8	23
52	Does an NSAID a day keep satellite cells at bay?. <i>Journal of Applied Physiology</i> , 2013, 115, 900-908.	1.2	20
53	Automated image segmentation of haematoxylin and eosin stained skeletal muscle cross-sections. <i>Journal of Microscopy</i> , 2013, 252, 275-285.	0.8	29
54	GHRH axis and matrix adaptation of the musculotendinous tissue to exercise in humans. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2012, 22, e1-7.	1.3	28

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55	Rehabilitation of muscle after injury – the role of anti-inflammatory drugs. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2012, 22, e8-14.	1.3	37
56	Nonsteroidal Anti-Inflammatory Drug or Glucosamine Reduced Pain and Improved Muscle Strength With Resistance Training in a Randomized Controlled Trial of Knee Osteoarthritis Patients. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 1185-1193.	0.5	81
57	Myogenic response of human skeletal muscle to 12 weeks of resistance training at light loading intensity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011, 21, 773-782.	1.3	49
58	Structural, biochemical, cellular, and functional changes in skeletal muscle extracellular matrix with aging. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011, 21, 749-757.	1.3	179
59	Strength training increases the size of the satellite cell pool in type I and II fibres of chronically painful trapezius muscle in females. <i>Journal of Physiology</i> , 2011, 589, 5503-5515.	1.3	36
60	Progressive Resistance Training and Cancer Testis (PROTRACT) - Efficacy of resistance training on muscle function, morphology and inflammatory profile in testicular cancer patients undergoing chemotherapy: design of a randomized controlled trial. <i>BMC Cancer</i> , 2011, 11, 326.	1.1	19
61	Sequenced response of extracellular matrix deadhesion and fibrotic regulators after muscle damage is involved in protection against future injury in human skeletal muscle. <i>FASEB Journal</i> , 2011, 25, 1943-1959.	0.2	140
62	Distribution of myogenic progenitor cells and myonuclei is altered in women with vs. those without chronically painful trapezius muscle. <i>Journal of Applied Physiology</i> , 2010, 109, 1920-1929.	1.2	34
63	Increased Cellular Proliferation in Rat Skeletal Muscle and Tendon in Response to Exercise: Use of FLT and PET/CT. <i>Molecular Imaging and Biology</i> , 2010, 12, 626-634.	1.3	9
64	Growth hormone stimulates the collagen synthesis in human tendon and skeletal muscle without affecting myofibrillar protein synthesis. <i>Journal of Physiology</i> , 2010, 588, 341-351.	1.3	160
65	Local NSAID infusion inhibits satellite cell proliferation in human skeletal muscle after eccentric exercise. <i>Journal of Applied Physiology</i> , 2009, 107, 1600-1611.	1.2	156
66	Molecular aging and rejuvenation of human muscle stem cells. <i>EMBO Molecular Medicine</i> , 2009, 1, 381-391.	3.3	204
67	Assessment of satellite cell number and activity status in human skeletal muscle biopsies. <i>Muscle and Nerve</i> , 2009, 40, 455-465.	1.0	135
68	Immunohistochemical changes in the expression of HSP27 in exercised human vastus lateralis muscle. <i>Acta Physiologica</i> , 2008, 194, 215-222.	1.8	23
69	Novel methods for tendon investigations. <i>Disability and Rehabilitation</i> , 2008, 30, 1514-1522.	0.9	11
70	Dynamic Adaptation of Tendon and Muscle Connective Tissue to Mechanical Loading. <i>Connective Tissue Research</i> , 2008, 49, 165-168.	1.1	59
71	Protein-containing nutrient supplementation following strength training enhances the effect on muscle mass, strength, and bone formation in postmenopausal women. <i>Journal of Applied Physiology</i> , 2008, 105, 274-281.	1.2	101
72	Evidence of skeletal muscle damage following electrically stimulated isometric muscle contractions in humans. <i>Journal of Applied Physiology</i> , 2008, 105, 1620-1627.	1.2	71

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73	The Effects of Regular Strength Training on Telomere Length in Human Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 82-87.	0.2	51
74	Increased myogenic precursor cell number in human skeletal muscle with 12 weeks of training at low intensity. <i>FASEB Journal</i> , 2008, 22, 753.25.	0.2	0
75	The influence of anti-inflammatory medication on exercise-induced myogenic precursor cell responses in humans. <i>Journal of Applied Physiology</i> , 2007, 103, 425-431.	1.2	153
76	Use of anti-inflammatory medication in healthy athletes – no pain, no gain?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2007, 17, 613-614.	1.3	19
77	The effects of impact and non-impact exercise on circulating markers of collagen remodelling in humans. <i>Journal of Sports Sciences</i> , 2006, 24, 843-848.	1.0	12
78	Enhanced satellite cell proliferation with resistance training in elderly men and women. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2006, 17, 061120070736047-???	1.3	112
79	Muscle connective tissue content of endurance-trained and inactive individuals. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2005, 15, 402-408.	1.3	17
80	Skeletal muscle collagen content in humans after high-force eccentric contractions. <i>Journal of Applied Physiology</i> , 2004, 97, 197-203.	1.2	82