

Abigail L Mackey

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,775
citations

126907

33
h-index

133252

59
g-index

82
all docs

82
docs citations

82
times ranked

4820
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentially Activated Macrophages Orchestrate Myogenic Precursor Cell Fate During Human Skeletal Muscle Regeneration. <i>Stem Cells</i> , 2013, 31, 384-396.	3.2	343
2	Molecular aging and rejuvenation of human muscle stem cells. <i>EMBO Molecular Medicine</i> , 2009, 1, 381-391.	6.9	204
3	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.	2.9	179
4	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.	2.9	160
5	Local NSAID infusion inhibits satellite cell proliferation in human skeletal muscle after eccentric exercise. <i>Journal of Applied Physiology</i> , 2009, 107, 1600-1611.	2.5	156
6	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.	2.5	153
7	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.	0.5	140
8	Assessment of satellite cell number and activity status in human skeletal muscle biopsies. <i>Muscle and Nerve</i> , 2009, 40, 455-465.	2.2	135
9	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.	2.9	132
10	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-???	2.9	112
11	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.	2.5	101
12	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.	4.6	94
13	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.	7.1	88
14	The breaking and making of healthy adult human skeletal muscle in vivo. <i>Skeletal Muscle</i> , 2017, 7, 24.	4.2	85
15	Skeletal muscle collagen content in humans after high-force eccentric contractions. <i>Journal of Applied Physiology</i> , 2004, 97, 197-203.	2.5	82
16	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.	0.9	81
17	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.	2.9	79
18	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.	0.5	72

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19	Evidence of skeletal muscle damage following electrically stimulated isometric muscle contractions in humans. <i>Journal of Applied Physiology</i> , 2008, 105, 1620-1627.	2.5	71
20	Dynamic Adaptation of Tendon and Muscle Connective Tissue to Mechanical Loading. <i>Connective Tissue Research</i> , 2008, 49, 165-168.	2.3	59
21	Whey protein supplementation accelerates satellite cell proliferation during recovery from eccentric exercise. <i>Amino Acids</i> , 2014, 46, 2503-2516.	2.7	58
22	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.	0.4	51
23	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.	2.9	49
24	The human myotendinous junction: An ultrastructural and 3D analysis study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, e116-23.	2.9	49
25	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.	2.9	48
26	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.	3.8	47
27	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.	0.5	46
28	Connective tissue regeneration in skeletal muscle after eccentric contraction-induced injury. <i>Journal of Applied Physiology</i> , 2017, 122, 533-540.	2.5	40
29	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.	2.9	37
30	Improved skeletal muscle mass and strength after heavy strength training in very old individuals. <i>Experimental Gerontology</i> , 2017, 92, 96-105.	2.8	37
31	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.	2.9	36
32	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.	3.8	36
33	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.	2.5	34
34	Skeletal muscle morphology and regulatory signalling in endurance-trained and sedentary individuals: The influence of ageing. <i>Experimental Gerontology</i> , 2017, 93, 54-67.	2.8	34
35	Molecular indicators of denervation in aging human skeletal muscle. <i>Muscle and Nerve</i> , 2019, 60, 453-463.	2.2	33
36	An anti-inflammatory phenotype in visceral adipose tissue of old lean mice, augmented by exercise. <i>Scientific Reports</i> , 2019, 9, 12069.	3.3	30

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37	Key Components of Human Myofibre Denervation and Neuromuscular Junction Stability are Modulated by Age and Exercise. <i>Cells</i> , 2020, 9, 893.	4.1	30
38	Automated image segmentation of haematoxylin and eosin stained skeletal muscle cross-sections. <i>Journal of Microscopy</i> , 2013, 252, 275-285.	1.8	29
39	Integrated method for quantitative morphometry and oxygen transport modeling in striated muscle. <i>Journal of Applied Physiology</i> , 2019, 126, 544-557.	2.5	29
40	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.	4.6	29
41	<scp>GH/IGF</scp> 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.	2.9	28
42	Macrophage Subpopulations and the Acute Inflammatory Response of Elderly Human Skeletal Muscle to Physiological Resistance Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 811.	2.8	26
43	Matters of fiber size and myonuclear domain: Does size matter more than age?. <i>Muscle and Nerve</i> , 2015, 52, 1040-1046.	2.2	24
44	Immunohistochemical changes in the expression of HSP27 in exercised human vastus lateralis muscle. <i>Acta Physiologica</i> , 2008, 194, 215-222.	3.8	23
45	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.	3.8	23
46	Does an NSAID a day keep satellite cells at bay?. <i>Journal of Applied Physiology</i> , 2013, 115, 900-908.	2.5	20
47	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.	2.9	19
48	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.	2.6	19
49	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.	4.6	18
50	Muscle connective tissue content of endurance-trained and inactive individuals. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2005, 15, 402-408.	2.9	17
51	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.	2.5	16
52	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.	2.9	15
53	Morphological adaptation of muscle collagen and receptor of advanced glycation end product (RAGE) in osteoarthritis patients with 12Aweeks of resistance training: influence of anti-inflammatory or glucosamine treatment. <i>Rheumatology International</i> , 2013, 33, 2215-2224.	3.0	14
54	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.	2.2	14

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55	Neuromuscular Electrical Stimulation Preserves Leg Lean Mass in Geriatric Patients. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 773-784.	0.4	14
56	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.	1.3	14
57	Proteomics identifies differences in fibrotic potential of extracellular vesicles from human tendon and muscle fibroblasts. <i>Cell Communication and Signaling</i> , 2020, 18, 177.	6.5	13
58	The proteomic profile of the human myotendinous junction. <i>IScience</i> , 2022, 25, 103836.	4.1	13
59	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.	2.0	12
60	Novel methods for tendon investigations. <i>Disability and Rehabilitation</i> , 2008, 30, 1514-1522.	1.8	11
61	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.	0.4	11
62	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.	2.4	10
63	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.	2.5	10
64	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.	2.6	9
65	The influence of fibrillin" and physical activity upon tendon tissue morphology and mechanical properties in mice. <i>Physiological Reports</i> , 2019, 7, e14267.	1.7	9
66	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.	2.0	9
67	Muscle satellite cell content and mRNA signaling in germ cell cancer patients " effects of chemotherapy and resistance training. <i>Acta Oncol"gica</i> , 2016, 55, 1246-1250.	1.8	8
68	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.	2.5	7
69	What is the impact of acute inflammation on muscle performance in geriatric patients?. <i>Experimental Gerontology</i> , 2020, 138, 111008.	2.8	7
70	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.	4.6	6
71	Collagens in primary frozen shoulder: expression of collagen mRNA isoforms in the different phases of the disease. <i>Rheumatology</i> , 2021, 60, 3879-3887.	1.9	5
72	Impact of low-volume concurrent strength training distribution on muscular adaptation. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 999-1004.	1.3	5

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73	Skeletal muscle morphology, protein synthesis, and gene expression in Ehlers-Danlos syndrome. <i>Journal of Applied Physiology</i> , 2017, 123, 482-488.	2.5	4
74	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.	4.6	4
75	Adipocytes are present at human and murine myotendinous junctions. <i>Translational Sports Medicine</i> , 2021, 4, 223-230.	1.1	3
76	Resting in bed “ how quickly does the muscle lose its nerve?. <i>Journal of Physiology</i> , 2021, 599, 2995-2996.	2.9	2
77	Mutual stimulatory signaling between human myogenic cells and rat cerebellar neurons. <i>Physiological Reports</i> , 2021, 9, e15077.	1.7	2
78	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.	1.1	1
79	Nestin and osteocrin mRNA increases in human semitendinosus myotendinous junction 7 days after a single bout of eccentric exercise. <i>Histochemistry and Cell Biology</i> , 2022, , 1.	1.7	1
80	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.	0.5	0