

# Philip Atherton

## List of Publications by Year in descending order

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Version: 2024-02-01

204  
papers

14,550  
citations

31902

53  
h-index

20900

115  
g-index

212  
all docs

212  
docs citations

212  
times ranked

11923  
citing authors

#	ARTICLE	IF	CITATIONS
1	The importance of protein sources to support muscle anabolism in cancer: An expert group opinion. <i>Clinical Nutrition</i> , 2022, 41, 192-201.	2.3	30
2	Association between frailty and C-terminal agrin fragment with 3-month mortality following ST-elevation myocardial infarction. <i>Experimental Gerontology</i> , 2022, 158, 111658.	1.2	5
3	Trained Integrated Postexercise Myofibrillar Protein Synthesis Rates Correlate with Hypertrophy in Young Males and Females. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 953-964.	0.2	14
4	The effects of elective abdominal surgery on protein turnover: A meta-analysis of stable isotope techniques to investigate postoperative catabolism. <i>Clinical Nutrition</i> , 2022, 41, 709-722.	2.3	3
5	Systematic review and meta-analysis of protein intake to support muscle mass and function in healthy adults. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 795-810.	2.9	65
6	The Combined Oral Stable Isotope Assessment of Muscle (COSIAM) reveals D-3 creatine derived muscle mass as a standout cross-sectional biomarker of muscle physiology vitality in older age. <i>GeroScience</i> , 2022, , 1.	2.1	6
7	Effects of $\beta$ -hydroxy $\beta$ -methylbutyrate (HMB) supplementation on muscle mass, function, and other outcomes in patients with cancer: a systematic review. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1623-1641.	2.9	23
8	Ageing and exercise-induced motor unit remodelling. <i>Journal of Physiology</i> , 2022, 600, 1839-1849.	1.3	18
9	Pharmacological hypogonadism impairs molecular transducers of exercise-induced muscle growth in humans. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1134-1150.	2.9	9
10	Neuromuscular recruitment strategies of the vastus lateralis according to sex. <i>Acta Physiologica</i> , 2022, 235, e13803.	1.8	31
11	Effects of High-Volume Versus High-Load Resistance Training on Skeletal Muscle Growth and Molecular Adaptations. <i>Frontiers in Physiology</i> , 2022, 13, 857555.	1.3	9
12	Curcumin Enhances Fed-State Muscle Microvascular Perfusion but Not Leg Glucose Uptake in Older Adults. <i>Nutrients</i> , 2022, 14, 1313.	1.7	3
13	Circulating testosterone and dehydroepiandrosterone are associated with individual motor unit features in untrained and highly active older men. <i>GeroScience</i> , 2022, 44, 1215-1228.	2.1	7
14	The Vitamin D/Vitamin D receptor (VDR) axis in muscle atrophy and sarcopenia. <i>Cellular Signalling</i> , 2022, 96, 110355.	1.7	27
15	Declines in muscle protein synthesis account for short-term muscle disuse atrophy in humans in the absence of increased muscle protein breakdown. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 2005-2016.	2.9	23
16	A Note from the Editor-in-Chief of <i>Physiologia</i> . <i>Physiologia</i> , 2022, 2, 32-33.	0.6	0
17	Equipment-free, unsupervised high intensity interval training elicits significant improvements in the physiological resilience of older adults. <i>BMC Geriatrics</i> , 2022, 22, .	1.1	6
18	No effect of five days of bed rest or short-term resistance exercise prehabilitation on markers of skeletal muscle mitochondrial content and dynamics in older adults. <i>Physiological Reports</i> , 2022, 10, .	0.7	4

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19	Dietary protein, exercise, ageing and physical inactivity: interactive influences on skeletal muscle proteostasis. <i>Proceedings of the Nutrition Society</i> , 2021, 80, 106-117.	0.4	12
20	Influence of sex on the age-related adaptations of neuromuscular function and motor unit properties in elite masters athletes. <i>Journal of Physiology</i> , 2021, 599, 193-205.	1.3	35
21	Myogenic, genomic and non-genomic influences of the vitamin D axis in skeletal muscle. <i>Cell Biochemistry and Function</i> , 2021, 39, 48-59.	1.4	19
22	The mechanisms of skeletal muscle atrophy in response to transient knockdown of the vitamin D receptor <i>in vivo</i> . <i>Journal of Physiology</i> , 2021, 599, 963-979.	1.3	36
23	The Effects of Very Low Energy Diets and Low Energy Diets with Exercise Training on Skeletal Muscle Mass: A Narrative Review. <i>Advances in Therapy</i> , 2021, 38, 149-163.	1.3	9
24	Molecular and neural adaptations to neuromuscular electrical stimulation; Implications for ageing muscle. <i>Mechanisms of Ageing and Development</i> , 2021, 193, 111402.	2.2	19
25	Phenylbutyrate, a branched-chain amino acid keto dehydrogenase activator, promotes branched-chain amino acid metabolism and induces muscle catabolism in C2C12 cells. <i>Experimental Physiology</i> , 2021, 106, 585-592.	0.9	5
26	Habitual protein intake appears to modulate postprandial muscle protein synthesis responses to feeding in youth but not in older age. <i>Proceedings of the Nutrition Society</i> , 2021, 80, .	0.4	0
27	Ammonium chloride administration prior to exercise has muscle-specific effects on mitochondrial and myofibrillar protein synthesis in rats. <i>Physiological Reports</i> , 2021, 9, e14797.	0.7	1
28	Factors associated with electrical stimulation-induced performance fatigability are dependent upon stimulation location. <i>Experimental Physiology</i> , 2021, 106, 828-836.	0.9	6
29	Lifelong exercise is associated with more homogeneous motor unit potential features across deep and superficial areas of vastus lateralis. <i>GeroScience</i> , 2021, 43, 1555-1565.	2.1	23
30	Skeletal muscle proteostasis in health and disease states: the role of stable isotopes in contemporary clinical nutrition research. <i>Clinical Nutrition Open Science</i> , 2021, 36, 109-110.	0.5	0
31	Physiologia: A Progressive Open Access Journal Publishing New Horizons in the Physiology of Life. <i>Physiologia</i> , 2021, 1, 1-2.	0.6	1
32	The impact of quadriceps disuse atrophy on motor unit properties. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
33	Combined <i>in vivo</i> muscle mass, muscle protein synthesis and muscle protein breakdown measurement: a Combined Oral Stable Isotope Assessment of Muscle (COSIAM)™ approach. <i>GeroScience</i> , 2021, 43, 2653-2665.	2.1	7
34	The physiological impact of high-intensity interval training in octogenarians with comorbidities. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 866-879.	2.9	15
35	Tracking of Individual Motor Units Following Concentric and Eccentric Exercise-induced Fatigue Reveals Contraction-type Specific Changes in Discharge Properties. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
36	Transcriptomic meta-analysis of disuse muscle atrophy vs. resistance exercise-induced hypertrophy in young and older humans. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 629-645.	2.9	15

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37	Circulating Dehydroepiandrosterone and Testosterone are Differentially Associated with Motor Unit Function in Young and Masters Athletes. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
38	A collagen extraction and deuterium oxide stable isotope tracer method for the quantification of bone collagen synthesis rates <i>in vivo</i> . <i>Physiological Reports</i> , 2021, 9, e14799.	0.7	2
39	Atrophy Resistant vs. Atrophy Susceptible Skeletal Muscles: <i>as</i> as a Novel Experimental Paradigm to Study the Mechanisms of Human Disuse Atrophy. <i>Frontiers in Physiology</i> , 2021, 12, 653060.	1.3	7
40	Cocoa Flavanols Adjuvant to an Oral Nutritional Supplement Acutely Enhances Nutritive Flow in Skeletal Muscle without Altering Leg Glucose Uptake Kinetics in Older Adults. <i>Nutrients</i> , 2021, 13, 1646.	1.7	5
41	Diet-induced vitamin D deficiency reduces skeletal muscle mitochondrial respiration. <i>Journal of Endocrinology</i> , 2021, 249, 113-124.	1.2	14
42	Myokine Responses to Exercise in a Rat Model of Low/High Adaptive Potential. <i>Frontiers in Endocrinology</i> , 2021, 12, 645881.	1.5	3
43	A collagen hydrolysate/milk protein-blend stimulates muscle anabolism equivalently to an isoenergetic milk protein-blend containing a greater quantity of essential amino acids in older men. <i>Clinical Nutrition</i> , 2021, 40, 4456-4464.	2.3	6
44	Age-related alterations in muscle architecture are a signature of sarcopenia: the ultrasound sarcopenia index. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 973-982.	2.9	38
45	Age-related changes in muscle architecture and metabolism in humans: The likely contribution of physical inactivity to age-related functional decline. <i>Ageing Research Reviews</i> , 2021, 68, 101344.	5.0	35
46	Higher strength gain after hypoxic vs normoxic resistance training despite no changes in muscle thickness and fractional protein synthetic rate. <i>FASEB Journal</i> , 2021, 35, e21773.	0.2	6
47	Short-Term, Equipment-Free High Intensity Interval Training Elicits Significant Improvements in Cardiorespiratory Fitness Irrespective of Supervision in Early Adulthood. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 697518.	0.9	2
48	Indicators of response to exercise training: a systematic review and meta-analysis. <i>BMJ Open</i> , 2021, 11, e044676.	0.8	4
49	Transcriptomic links to muscle mass loss and declines in cumulative muscle protein synthesis during short-term disuse in healthy younger humans. <i>FASEB Journal</i> , 2021, 35, e21830.	0.2	8
50	Six weeks of high-intensity interval training enhances contractile activity induced vascular reactivity and skeletal muscle perfusion in older adults. <i>GeroScience</i> , 2021, 43, 2667-2678.	2.1	6
51	Current perspectives on defining and mitigating frailty in relation to critical illness. <i>Clinical Nutrition</i> , 2021, 40, 5430-5437.	2.3	3
52	Exploring the impact of COVID-19 on the willingness of older adults to participate in physiology research: views from past and potential volunteers. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1147-1151.	0.9	0
53	Omega-3 supplementation during unilateral resistance exercise training in older women: A within subject and double-blind placebo-controlled trial. <i>Clinical Nutrition ESPEN</i> , 2021, 46, 394-404.	0.5	8
54	The effect of short-term exercise prehabilitation on skeletal muscle protein synthesis and atrophy during bed rest in older men. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 52-69.	2.9	28

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55	A Novel Dietary Intervention Reduces Circulatory Branched-Chain Amino Acids by 50%: A Pilot Study of Relevance for Obesity and Diabetes. <i>Nutrients</i> , 2021, 13, 95.	1.7	17
56	Determining the Influence of Habitual Dietary Protein Intake on Physiological Muscle Parameters in Youth and Older Age. <i>Nutrients</i> , 2021, 13, 3560.	1.7	0
57	LAT1 and SNAT2 Protein Expression and Membrane Localization of LAT1 Are Not Acutely Altered by Dietary Amino Acids or Resistance Exercise Nor Positively Associated with Leucine or Phenylalanine Incorporation in Human Skeletal Muscle. <i>Nutrients</i> , 2021, 13, 3906.	1.7	14
58	Green Tea Extract Concurrent with an Oral Nutritional Supplement Acutely Enhances Muscle Microvascular Blood Flow without Altering Leg Glucose Uptake in Healthy Older Adults. <i>Nutrients</i> , 2021, 13, 3895.	1.7	4
59	Cardiac stereotactic ablative radiotherapy for control of refractory ventricular tachycardia: initial UK multicentre experience. <i>Open Heart</i> , 2021, 8, e001770.	0.9	31
60	Transcriptomic adaptation during skeletal muscle habituation to eccentric or concentric exercise training. <i>Scientific Reports</i> , 2021, 11, 23930.	1.6	7
61	A novel stable isotope tracer method to simultaneously quantify skeletal muscle protein synthesis and breakdown. <i>Metabolism Open</i> , 2020, 5, 100022.	1.4	8
62	Exploring mechanistic links between extracellular branched-chain amino acids and muscle insulin resistance: an in vitro approach. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C1151-C1157.	2.1	20
63	Associations between Plasma Branched Chain Amino Acids and Health Biomarkers in Response to Resistance Exercise Training Across Age. <i>Nutrients</i> , 2020, 12, 3029.	1.7	10
64	Response. <i>Chest</i> , 2020, 158, 2708-2711.	0.4	0
65	Overexpression of the vitamin D receptor (VDR) induces skeletal muscle hypertrophy. <i>Molecular Metabolism</i> , 2020, 42, 101059.	3.0	61
66	Glucagon-like peptide 1 infusions overcome anabolic resistance to feeding in older human muscle. <i>Aging Cell</i> , 2020, 19, e13202.	3.0	14
67	The impact of acute beta-hydroxy-beta-methylbutyrate (HMB) ingestion on glucose and insulin kinetics in young and older men. <i>Journal of Functional Foods</i> , 2020, 73, 104163.	1.6	3
68	Animal, Plant, Collagen and Blended Dietary Proteins: Effects on Musculoskeletal Outcomes. <i>Nutrients</i> , 2020, 12, 2670.	1.7	27
69	The time course of physiological adaptations to high-intensity interval training in older adults. <i>Aging Medicine (Milton (N S W))</i> , 2020, 3, 245-251.	0.9	11
70	Impacts of rat hindlimb Fndc5/irisin overexpression on muscle and adipose tissue metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E943-E955.	1.8	4
71	Challenges and practical recommendations for successfully recruiting inactive, statin-free older adults to clinical trials. <i>BMC Research Notes</i> , 2020, 13, 174.	0.6	2
72	CORP: The use of deuterated water for the measurement of protein synthesis. <i>Journal of Applied Physiology</i> , 2020, 128, 1163-1176.	1.2	42

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73	An update on nutrient modulation in the management of disease-induced muscle wasting: evidence from human studies. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2020, 23, 174-180.	1.3	3
74	Exploring the Association between Vascular Dysfunction and Skeletal Muscle Mass, Strength and Function in Healthy Adults: A Systematic Review. <i>Nutrients</i> , 2020, 12, 715.	1.7	27
75	Targeted genotype analyses of GWAS-derived lean body mass and handgrip strength-associated single-nucleotide polymorphisms in elite master athletes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R184-R194.	0.9	2
76	The vitamin D receptor regulates mitochondrial function in C2C12 myoblasts. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C536-C541.	2.1	42
77	High Levels of Physical Activity in Later Life Are Associated With Enhanced Markers of Mitochondrial Metabolism. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1481-1487.	1.7	12
78	The Effect of Whey Protein Supplementation on Myofibrillar Protein Synthesis and Performance Recovery in Resistance-Trained Men. <i>Nutrients</i> , 2020, 12, 845.	1.7	7
79	Effect of Intermittent or Continuous Feed on Muscle Wasting in Critical Illness. <i>Chest</i> , 2020, 158, 183-194.	0.4	84
80	Links Between Testosterone, Oestrogen, and the Growth Hormone/Insulin-Like Growth Factor Axis and Resistance Exercise Muscle Adaptations. <i>Frontiers in Physiology</i> , 2020, 11, 621226.	1.3	49
81	Network analysis of human muscle adaptation to aging and contraction. <i>Aging</i> , 2020, 12, 740-755.	1.4	14
82	Untargeted metabolomics for uncovering biological markers of human skeletal muscle ageing. <i>Aging</i> , 2020, 12, 12517-12533.	1.4	19
83	The effect of acute oral phosphatidic acid ingestion on myofibrillar protein synthesis and intracellular signaling in older males. <i>Clinical Nutrition</i> , 2019, 38, 1423-1432.	2.3	10
84	A statistical and biological response to an informatics appraisal of healthy aging gene signatures. <i>Genome Biology</i> , 2019, 20, 152.	3.8	1
85	Differential Stimulation of Post-Exercise Myofibrillar Protein Synthesis in Humans Following Isonitrogenous, Isocaloric Pre-Exercise Feeding. <i>Nutrients</i> , 2019, 11, 1657.	1.7	15
86	The effect of oral essential amino acids on incretin hormone production in youth and ageing. <i>Endocrinology, Diabetes and Metabolism</i> , 2019, 2, e00085.	1.0	4
87	Testosterone therapy induces molecular programming augmenting physiological adaptations to resistance exercise in older men. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 1276-1294.	2.9	56
88	Longevity-related molecular pathways are subject to midlife "switch" in humans. <i>Aging Cell</i> , 2019, 18, e12970.	3.0	25
89	Integrated Myofibrillar Protein Synthesis in Recovery From Unaccustomed and Accustomed Resistance Exercise With and Without Multi-ingredient Supplementation in Overweight Older Men. <i>Frontiers in Nutrition</i> , 2019, 6, 40.	1.6	14
90	Gene-based analysis of angiogenesis, mitochondrial and insulin-related pathways in skeletal muscle of older individuals following nutraceutical supplementation. <i>Journal of Functional Foods</i> , 2019, 56, 216-223.	1.6	2

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91	The efficacy of "static"™ training interventions for improving indices of cardiorespiratory fitness in premenopausal females. <i>European Journal of Applied Physiology</i> , 2019, 119, 645-652.	1.2	6
92	Nutritional Considerations for Concurrent Training. , 2019, , 229-252.		0
93	A double-blind placebo controlled trial into the impacts of HMB supplementation and exercise on free-living muscle protein synthesis, muscle mass and function, in older adults. <i>Clinical Nutrition</i> , 2019, 38, 2071-2078.	2.3	25
94	The acute transcriptional response to resistance exercise: impact of age and contraction mode. <i>Aging</i> , 2019, 11, 2111-2126.	1.4	14
95	1979-P: GLP-1 Recruits Skeletal Muscle Microvasculature without Impacting Glucose Uptake or Protein Metabolism in Older Men during Postabsorptive Insulin Clamps. <i>Diabetes</i> , 2019, 68, 1979-P.	0.3	0
96	2048-P: The Physiological Effects of VLCD in Overweight Nondiabetics. <i>Diabetes</i> , 2019, 68, 2048-P.	0.3	0
97	229-OR: GLP-1 Infusions during Postprandial Insulin Clamps Enhance Muscle Microvascular Flow, Glucose Uptake, and Protein Anabolism in Older Men. <i>Diabetes</i> , 2019, 68, .	0.3	1
98	Regional regulation of focal adhesion kinase after concentric and eccentric loading is related to remodelling of human skeletal muscle. <i>Acta Physiologica</i> , 2018, 223, e13056.	1.8	73
99	Impact of the calcium form of $\beta$ -hydroxy- $\beta$ -methylbutyrate upon human skeletal muscle protein metabolism. <i>Clinical Nutrition</i> , 2018, 37, 2068-2075.	2.3	48
100	Effects of leucine-enriched essential amino acid and whey protein bolus dosing upon skeletal muscle protein synthesis at rest and after exercise in older women. <i>Clinical Nutrition</i> , 2018, 37, 2011-2021.	2.3	83
101	Muscle and Tendon Contributions to Reduced Rate of Torque Development in Healthy Older Males. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 539-545.	1.7	33
102	Physiological adaptations to resistance training in rats selectively bred for low and high response to aerobic exercise training. <i>Experimental Physiology</i> , 2018, 103, 1513-1523.	0.9	12
103	Tart cherry concentrate does not enhance muscle protein synthesis response to exercise and protein in healthy older men. <i>Experimental Gerontology</i> , 2018, 110, 202-208.	1.2	14
104	Environmental hypoxia favors myoblast differentiation and fast phenotype but blunts activation of protein synthesis after resistance exercise in human skeletal muscle. <i>FASEB Journal</i> , 2018, 32, 5272-5284.	0.2	20
105	The age-related loss of skeletal muscle mass and function: Measurement and physiology of muscle fibre atrophy and muscle fibre loss in humans. <i>Ageing Research Reviews</i> , 2018, 47, 123-132.	5.0	390
106	Metabolic phenotype of skeletal muscle in early critical illness. <i>Thorax</i> , 2018, 73, 926-935.	2.7	135
107	A coding and non-coding transcriptomic perspective on the genomics of human metabolic disease. <i>Nucleic Acids Research</i> , 2018, 46, 7772-7792.	6.5	41
108	The metabolic and molecular mechanisms of hyperammonaemia and hyperethanolaemia-induced protein catabolism in skeletal muscle cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 9663-9673.	2.0	4

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109	Food texture: A potential dietary consideration for obesity prevention?. <i>Experimental Physiology</i> , 2018, 103, 1298-1299.	0.9	0
110	Enriching a protein drink with leucine augments muscle protein synthesis after resistance exercise in young and older men. <i>Clinical Nutrition</i> , 2017, 36, 888-895.	2.3	49
111	“Nutraceuticals” in relation to human skeletal muscle and exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E282-E299.	1.8	51
112	Michael J. Rennie: a perspective on a scientist whose life's work helped sculpt knowledge about the regulation of the musculoskeletal system by nutrition, exercise and inactivity. <i>Experimental Physiology</i> , 2017, 102, 611-613.	0.9	1
113	Michael John Rennie, MSc, PhD, FRSE, FHEA, 1946–2017: an appreciation of his work on protein metabolism in human muscle. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1-9.	2.2	39
114	Human skeletal muscle is refractory to the anabolic effects of leucine during the postprandial muscle-full period in older men. <i>Clinical Science</i> , 2017, 131, 2643-2653.	1.8	33
115	A novel puromycin incorporation method to quantify skeletal muscle protein breakdown: A proof-of-concept study. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 608-614.	1.0	4
116	Nutrient modulation in the management of disease-induced muscle wasting. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017, 20, 433-439.	1.3	14
117	Electrical pulse stimulation: an <i>in vitro</i> exercise model for the induction of human skeletal muscle cell hypertrophy. A proof-of-concept study. <i>Experimental Physiology</i> , 2017, 102, 1405-1413.	0.9	45
118	The efficacy of unsupervised home-based exercise regimens in comparison to supervised laboratory-based exercise training upon cardio-respiratory health facets. <i>Physiological Reports</i> , 2017, 5, e13390.	0.7	29
119	A dynamic ribosomal biogenesis response is not required for IGF1-mediated hypertrophy of human primary myotubes. <i>FASEB Journal</i> , 2017, 31, 5196-5207.	0.2	9
120	A novel D <sub>2</sub> O tracer method to quantify RNA turnover as a biomarker of de novo ribosomal biogenesis, <i>in vitro</i> , in animal models, and in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E681-E689.	1.8	29
121	Mechanistic Links Underlying the Impact of C-Reactive Protein on Muscle Mass in Elderly. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 267-278.	1.1	54
122	Recent developments in deuterium oxide tracer approaches to measure rates of substrate turnover. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017, 20, 375-381.	1.3	26
123	An overview of technical considerations for Western blotting applications to physiological research. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 4-25.	1.3	255
124	Supplementing essential amino acids with the nitric oxide precursor, L-arginine, enhances skeletal muscle perfusion without impacting anabolism in older men. <i>Clinical Nutrition</i> , 2017, 36, 1573-1579.	2.3	22
125	A reverse genetics cell-based evaluation of genes linked to healthy human tissue age. <i>FASEB Journal</i> , 2017, 31, 96-108.	0.2	9
126	Stable isotope tracers and exercise physiology: past, present and future. <i>Journal of Physiology</i> , 2017, 595, 2873-2882.	1.3	43



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127	A Practical and Time-Efficient High-Intensity Interval Training Program Modifies Cardio-Metabolic Risk Factors in Adults with Risk Factors for Type II Diabetes. <i>Frontiers in Endocrinology</i> , 2017, 8, 229.	1.5	78
128	Physiological adaptations to resistance exercise as a function of age. <i>JCI Insight</i> , 2017, 2, .	2.3	61
129	A 4-week, lifestyle-integrated, home-based exercise training programme elicits improvements in physical function and lean mass in older men and women: a pilot study. <i>F1000Research</i> , 2017, 6, 1235.	0.8	6
130	A 4-week, lifestyle-integrated, home-based exercise training programme elicits improvements in physical function and lean mass in older men and women: a pilot study. <i>F1000Research</i> , 2017, 6, 1235.	0.8	5
131	Human Skeletal Muscle Disuse Atrophy: Effects on Muscle Protein Synthesis, Breakdown, and Insulin Resistance—A Qualitative Review. <i>Frontiers in Physiology</i> , 2016, 7, 361.	1.3	140
132	iGEMS: an integrated model for identification of alternative exon usage events. <i>Nucleic Acids Research</i> , 2016, 44, e109-e109.	6.5	18
133	Synchronous deficits in cumulative muscle protein synthesis and ribosomal biogenesis underlie age-related anabolic resistance to exercise in humans. <i>Journal of Physiology</i> , 2016, 594, 7399-7417.	1.3	157
134	Skeletal muscle homeostasis and plasticity in youth and ageing: impact of nutrition and exercise. <i>Acta Physiologica</i> , 2016, 216, 15-41.	1.8	122
135	Biomarkers of browning of white adipose tissue and their regulation during exercise- and diet-induced weight loss,. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 557-565.	2.2	50
136	Control of skeletal muscle atrophy in response to disuse: clinical/preclinical contentions and fallacies of evidence. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E594-E604.	1.8	117
137	Human Skeletal Muscle Protein Metabolism Responses to Amino Acid Nutrition. <i>Advances in Nutrition</i> , 2016, 7, 828S-838S.	2.9	59
138	Fascicle length does increase in response to longitudinal resistance training and in a contraction-mode specific manner. <i>SpringerPlus</i> , 2016, 5, 94.	1.2	26
139	Acute cocoa flavanol supplementation improves muscle macro- and microvascular but not anabolic responses to amino acids in older men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 548-556.	0.9	18
140	Insulin resistance and sarcopenia: mechanistic links between common co-morbidities. <i>Journal of Endocrinology</i> , 2016, 229, R67-R81.	1.2	362
141	Role of insulin in the regulation of human skeletal muscle protein synthesis and breakdown: a systematic review and meta-analysis. <i>Diabetologia</i> , 2016, 59, 44-55.	2.9	155
142	The metabolic and temporal basis of muscle hypertrophy in response to resistance exercise. <i>European Journal of Sport Science</i> , 2016, 16, 633-644.	1.4	23
143	Protein Carbonylation and Heat Shock Proteins in Human Skeletal Muscle: Relationships to Age and Sarcopenia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 174-181.	1.7	57
144	Early structural remodeling and deuterium oxide-derived protein metabolic responses to eccentric and concentric loading in human skeletal muscle. <i>Physiological Reports</i> , 2015, 3, e12593.	0.7	57

#	ARTICLE	IF	CITATIONS
145	Internal comparison between deuterium oxide (D <sub>2</sub> O) and L-tryptophan [ <sup>13</sup> C <sub>6</sub> ] phenylalanine for acute measurement of muscle protein synthesis in humans. <i>Physiological Reports</i> , 2015, 3, e12433.	0.7	42
146	Exercise and Regulation of Protein Metabolism. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 135, 75-98.	0.9	21
147	Application of deuterium oxide (D <sub>2</sub> O) to metabolic research: just D <sub>2</sub> O it? Depends just how you D <sub>2</sub> O it!. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E847-E847.	1.8	6
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149	The effects of resistance exercise training on macro- and micro-circulatory responses to feeding and skeletal muscle protein anabolism in older men. <i>Journal of Physiology</i> , 2015, 593, 2721-2734.	1.3	32
150	Intake of low-dose leucine-rich essential amino acids stimulates muscle anabolism equivalently to bolus whey protein in older women at rest and after exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E1056-E1065.	1.8	113
151	A novel multi-tissue RNA diagnostic of healthy ageing relates to cognitive health status. <i>Genome Biology</i> , 2015, 16, 185.	3.8	189
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155	Architectural, functional and molecular responses to concentric and eccentric loading in human skeletal muscle. <i>Acta Physiologica</i> , 2014, 210, 642-654.	1.8	266
156	Pharmacological enhancement of leg and muscle microvascular blood flow does not augment anabolic responses in skeletal muscle of young men under fed conditions. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E168-E176.	1.8	25
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159	Effects of leucine and its metabolite <sup>12</sup> C-hydroxy- <sup>14</sup> C-methylbutyrate on human skeletal muscle protein metabolism. <i>Journal of Physiology</i> , 2013, 591, 2911-2923.	1.3	372
160	Molecular Networks of Human Muscle Adaptation to Exercise and Age. <i>PLoS Genetics</i> , 2013, 9, e1003389.	1.5	160
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170	Resistance exercise training improves age-related declines in leg vascular conductance and rejuvenates acute leg blood flow responses to feeding and exercise. <i>Journal of Applied Physiology</i> , 2012, 112, 347-353.	1.2	48
171	Muscle Protein Synthetic Responses to Exercise: Effects of Age, Volume, and Intensity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2012, 67, 1170-1177.	1.7	102
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183	Muscle full effect after oral protein: time-dependent concordance and discordance between human muscle protein synthesis and mTORC1 signaling. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 1080-1088.	2.2	315
184	Low-Load High Volume Resistance Exercise Stimulates Muscle Protein Synthesis More Than High-Load Low Volume Resistance Exercise in Young Men. <i>PLoS ONE</i> , 2010, 5, e12033.	1.1	396
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188	Blunting of insulin inhibition of proteolysis in legs of older subjects may contribute to age-related sarcopenia. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 1343-1350.	2.2	173
189	Age-related differences in the dose-response relationship of muscle protein synthesis to resistance exercise in young and old men. <i>Journal of Physiology</i> , 2009, 587, 211-217.	1.3	577
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