David Cameron-Smith

List of Publications by Year
in descending order

283 papers	11,513 citations	20922 60 h-index	45510 90 g-index
287 all docs	287 docs citations	287 times ranked	14572 citing authors

#	Article	IF	Citations
1	It is not just muscle mass: a review of muscle quality, composition and metabolism during ageing as determinants of muscle function and mobility in later life. Longevity & Healthspan, 2014, 3, 9.	6.6	338
2	Cross talk of signals between EGFR and IL-6R through JAK2/STAT3 mediate epithelialâ€“mesenchymal transition in ovarian carcinomas. British Journal of Cancer, 2009, 100, 134-144.	6.5	272
3	Docosapentaenoic acid (22:5n-3): A review of its biological effects. Progress in Lipid Research, 2011, 50, 28-34.	11.8	271
4	Exercise training increases lipid metabolism gene expression in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E66-E72.	3.6	227
5	Biomarkers of Aging: From Function to Molecular Biology. Nutrients, 2016, 8, 338.	4.1	210
6	A short-term, high-fat diet up-regulates lipid metabolism and gene expression in human skeletal muscle. American Journal of Clinical Nutrition, 2003, 77, 313-318.	4.8	200
7	Green tea, black tea, and epigallocatechin modify body composition, improve glucose tolerance, and differentially alter metabolic gene expression in rats fed a high-fat diet. Nutrition Research, 2009, 29, 784-793.	2.9	185
8	Real-time RT-PCR analysis of housekeeping genes in human skeletal muscle following acute exercise. Physiological Genomics, 2004, 18, 226-231.	2.3	183
9	Fish oil supplements in New Zealand are highly oxidised and do not meet label content of n-3 PUFA. Scientific Reports, 2015, 5, 7928.	3.4	176
10	Impaired Activation of AMP-Kinase and Fatty Acid Oxidation by Globular Adiponectin in Cultured Human Skeletal Muscle of Obese Type 2 Diabetics. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 3665-3672.	3.7	173
11	A Reservoir of Brown Adipocyte Progenitors in Human Skeletal Muscle. Stem Cells, 2008, 26, 2425-2433.	3.2	162
12	Mice lacking angiotensin-converting enzyme have increased energy expenditure, with reduced fat mass and improved glucose clearance. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6531-6536.	7.2	162
13	Postâ€exercise cold water immersion attenuates acute anabolic signalling and longâ€term adaptations in muscle to strength training. Journal of Physiology, 2015, 593, 4285-4301.	2.9	157
14	Increase in S6K1 phosphorylation in human skeletal muscle following resistance exercise occurs mainly in type II muscle fibers. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E1245-E1252.	3.6	154
15	Aging and its effects on inflammation in skeletal muscle at rest and following exercise-induced muscle injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1485-R1495.	1.9	150
16	Metabolic and hormonal responses to isoenergetic high-intensity interval exercise and continuous moderate-intensity exercise. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E539-E552.	3.6	146
17	Human inflammatory and resolving lipid mediator responses to resistance exercise and ibuprofen treatment. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R1281-R1296.	1.9	136
18	Exercise Increases Nuclear AMPK Â2 in Human Skeletal Muscle. Diabetes, 2003, 52, 926-928.	0.6	135

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19	Effects of exercise on GLUT-4 and glycogenin gene expression in human skeletal muscle. Journal of Applied Physiology, 2000, 88, 794-796.	2.6	124
20	Effects of cannabinoid receptors on skeletal muscle oxidative pathways. Molecular and Cellular Endocrinology, 2007, 267, 63-69.	3.3	120
21	Interaction of contractile activity and training history on mRNA abundance in skeletal muscle from trained athletes. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E849-E855.	3.6	118
22	Ribosome biogenesis adaptation in resistance training-induced human skeletal muscle hypertrophy. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E72-E83.	3.6	111
23	Oxidation of Marine Omega-3 Supplements and Human Health. BioMed Research International, 2013, 2013, 1-8.	1.9	107
24	The effects of dietary protein intake on appendicular lean mass and muscle function in elderly men: a 10-wk randomized controlled trial. American Journal of Clinical Nutrition, 2017, 106, 1375-1383.	4.8	106
25	The Suppressor of Cytokine Signaling 3 Inhibits Leptin Activation of AMP-Kinase in Cultured Skeletal Muscle of Obese Humans. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 3592-3597.	3.7	97
26	MOTS-c is an exercise-induced mitochondrial-encoded regulator of age-dependent physical decline and muscle homeostasis. Nature Communications, 2021, 12, 470.	13.0	97
27	STAT3 signaling is activated in human skeletal muscle following acute resistance exercise. Journal of Applied Physiology, 2007, 102, 1483-1489.	2.6	95
28	Acute exercise and GLUT4 expression in human skeletal muscle: influence of exercise intensity. Journal of Applied Physiology, 2006, 101, 934-937.	2.6	91
29	The effects of exercise and adipose tissue lipolysis on plasma adiponectin concentration and adiponectin receptor expression in human skeletal muscle. European Journal of Endocrinology, 2005, 152, 427-436.	3.8	90
30	AMP-activated protein kinase activates transcription of the UCP3 and HKII genes in rat skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E1239-E1248.	3.6	89
31	Creatine supplementation increases glycogen storage but not GLUT-4 expression in human skeletal muscle. Clinical Science, 2004, 106, 99-106.	4.3	86
32	Impact of resistance exercise on ribosome biogenesis is acutely regulated by post-exercise recovery strategies. Physiological Reports, 2016, 4, e12670.	1.7	86
33	Increased inflammatory cytokine expression in the vastus lateralis of patients with knee osteoarthritis. Arthritis and Rheumatism, 2011, 63, 1343-1348.	6.7	85
34	Circulatory exosomal miRNA following intense exercise is unrelated to muscle and plasma miRNA abundances. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E723-E733.	3.6	83
35	Short-term docosapentaenoic acid (22Â:Â5‹i›n‹/i›-3) supplementation increases tissue docosapentaenoic acid, DHA and EPA concentrations in rats. British Journal of Nutrition, 2010, 103, 32-37.	2.3	82
36	Resistance exercise increases NF-Î²B activity in human skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R667-R673.	1.9	82

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37	Infusion with the antioxidant Nâ€acetylcysteine attenuates early adaptive responses to exercise in human skeletal muscle. Acta Physiologica, 2012, 204, 382-392.	3.8	82
38	The effects of cold water immersion and active recovery on inflammation and cell stress responses in human skeletal muscle after resistance exercise. Journal of Physiology, 2017, 595, 695-711.	2.9	81
39	Impaired Expression of Notch Signaling Genes in Aged Human Skeletal Muscle. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2007, 62, 9-17.	3.7	79
40	Higher omega-3 index is associated with increased insulin sensitivity and more favourable metabolic profile in middle-aged overweight men. Scientific Reports, 2014, 4, 6697.	3.4	79
41	Pyruvate dehydrogenase activation and kinase expression in human skeletal muscle during fasting. Journal of Applied Physiology, 2004, 96, 2082-2087.	2.6	79
42	17beta-estradiol upregulates the expression of peroxisome proliferator-activated receptor alpha and lipid oxidative genes in skeletal muscle. Journal of Molecular Endocrinology, 2003, 31, 37-45.	2.5	76
43	Effect of exercise training on skeletal muscle cytokine expression in the elderly. Brain, Behavior, and Immunity, 2014, 39, 80-86.	4.2	76
44	Effects of creatine supplementation on housekeeping genes in human skeletal muscle using real-time RT-PCR. Physiological Genomics, 2003, 12, 163-174.	2.3	75
45	Sex-Specific Human Milk Composition: The Role of Infant Sex in Determining Early Life Nutrition. Nutrients, 2018, 10, 1194.	4.1	75
46	Divergent shifts in lipid mediator profile following supplementation with nâ€3 docosapentaenoic acid and eicosapentaenoic acid. FASEB Journal, 2016, 30, 3714-3725.	0.5	74
47	Suppressive actions of eicosapentaenoic acid on lipid droplet formation in 3T3-L1 adipocytes. Lipids in Health and Disease, 2010, 9, 57.	3.0	73
48	The actions of exogenous leucine on mTOR signalling and amino acid transporters in human myotubes. BMC Physiology, 2011, 11, 10.	3.6	73
49	Type 1 Muscle Fiber Hypertrophy after Blood Flowâ€“restricted Training in Powerlifters. Medicine and Science in Sports and Exercise, 2019, 51, 288-298.	0.4	72
50	Effect of Intake of Different Dietary Protein Sources on Plasma Amino Acid Profiles at Rest and after Exercise. International Journal of Sport Nutrition and Exercise Metabolism, 2012, 22, 452-462.	2.2	71
51	ZFAS1: a long noncoding RNA associated with ribosomes in breast cancer cells. Biology Direct, 2016, 11, 62.	4.6	71
52	Regulation of metabolic genes in human skeletal muscle by short-term exercise and diet manipulation. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E25-E31.	3.6	69
53	The public's response to the obesity epidemic in Australia: weight concerns and weight control practices of men and women. Public Health Nutrition, 2000, 3, 417-424.	2.3	67
54	Influence of preexercise muscle glycogen content on transcriptional activity of metabolic and myogenic genes in well-trained humans. Journal of Applied Physiology, 2007, 102, 1604-1611.	2.6	67

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55	Activation of mTOR signalling in young and old human skeletal muscle in response to combined resistance exercise and whey protein ingestion. Applied Physiology, Nutrition and Metabolism, 2012, 37, 21-30.	2.0	66
56	Consumption of Milk Protein or Whey Protein Results in a Similar Increase in Muscle Protein Synthesis in Middle Aged Men. Nutrients, 2015, 7, 8685-8699.	4.1	66
57	Effect of soluble dietary fibre on the viscosity of gastrointestinal contents and the acute glycaemic response in the rat. British Journal of Nutrition, 1994, 71, 563-571.	2.3	65
58	A short-term n-3 DPA supplementation study in humans. European Journal of Nutrition, 2013, 52, 895-904.	4.0	65
59	Acute resistance exercise modulates microRNA expression profiles: Combined tissue and circulatory targeted analyses. PLoS ONE, 2017, 12, e0181594.	2.5	65
60	The effects of short-term sprint training on MCT expression in moderately endurance-trained runners. European Journal of Applied Physiology, 2006, 96, 636-643.	2.5	64
61	Time course-dependent changes in the transcriptome of human skeletal muscle during recovery from endurance exercise: from inflammation to adaptive remodeling. Journal of Applied Physiology, 2014, 116, 274-287.	2.6	64
62	Arachidonic acid supplementation enhances in vitro skeletal muscle cell growth via a COX-2-dependent pathway. American Journal of Physiology - Cell Physiology, 2013, 304, C56-C67.	4.7	63
63	Effect of shortâ€term training on GLUTâ€4 mRNA and protein expression in human skeletal muscle. Experimental Physiology, 2004, 89, 559-563.	2.0	59
64	Intense exercise up-regulates Na+,K+-ATPase isoform mRNA, but not protein expression in human skeletal muscle. Journal of Physiology, 2004, 556, 507-519.	2.9	58
65	Considerations on mTOR regulation at serine 2448: implications for muscle metabolism studies. Cellular and Molecular Life Sciences, 2017, 74, 2537-2545.	5.5	58
66	Alcohol, Athletic Performance and Recovery. Nutrients, 2010, 2, 781-789.	4.1	56
67	Fructose containing sugars modulate mRNA of lipogenic genes ACC and FAS and protein levels of transcription factors ChREBP and SREBP1c with no effect on body weight or liver fat. Food and Function, 2012, 3, 141-149.	4.6	56
68	Comparative actions of omega-3 fatty acids on in-vitro lipid droplet formation. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 89, 359-366.	2.3	55
69	Postprandial Plasma Phospholipids in Men Are Influenced by the Source of Dietary Fat. Journal of Nutrition, 2015, 145, 2012-2018.	2.9	54
70	Variation of Human Milk Glucocorticoids over 24Âhour Period. Journal of Mammary Gland Biology and Neoplasia, 2017, 22, 85-92.	2.7	54
71	Effects of aerobic training on pyruvate dehydrogenase and pyruvate dehydrogenase kinase in human skeletal muscle. Journal of Physiology, 2004, 557, 559-570.	2.9	53
72	Role of microRNAs in the age-related changes in skeletal muscle and diet or exercise interventions to promote healthy aging in humans. Ageing Research Reviews, 2014, 17, 25-33.	11.0	53

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73	Regular postexercise cooling enhances mitochondrial biogenesis through AMPK and p38 MAPK in human skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R286-R294.	1.9	53
74	Transcriptome analysis of neutrophils after endurance exercise reveals novel signaling mechanisms in the immune response to physiological stress. Journal of Applied Physiology, 2013, 114, 1677-1688.	2.6	52
75	The effectiveness of popular, nonâ€prescription weight loss supplements. Medical Journal of Australia, 1999, 171, 604-608.	1.7	51
76	NDRG2, a novel regulator of myoblast proliferation, is regulated by anabolic and catabolic factors. Journal of Physiology, 2009, 587, 1619-1634.	2.9	50
77	Dietary Protein, Muscle and Physical Function in the Very Old. Nutrients, 2018, 10, 935.	4.1	50
78	Muscle Na+-K+-ATPase activity and isoform adaptations to intense interval exercise and training in well-trained athletes. Journal of Applied Physiology, 2007, 103, 39-47.	2.6	48
79	Docosapentaenoic acid (22:5n-3) down-regulates the expression of genes involved in fat synthesis in liver cells. Prostaglandins Leukotrienes and Essential Fatty Acids, 2011, 85, 155-161.	2.3	48
80	What is the relationship between the acute muscle protein synthesis response and changes in muscle mass?. Journal of Applied Physiology, 2015, 118, 495-497.	2.6	48
81	Creatine transporter protein content, localization, and gene expression in rat skeletal muscle. American Journal of Physiology - Cell Physiology, 2001, 280, C415-C422.	4.7	47
82	Differential effects of exercise on insulin-signaling gene expression in human skeletal muscle. Journal of Applied Physiology, 2001, 90, 436-440.	2.6	47
83	Older adults have delayed amino acid absorption after a high protein mixed breakfast meal. Journal of Nutrition, Health and Aging, 2015, 19, 839-845.	3.3	47
84	Exercise-Induced Activation of STAT3 Signaling Is Increased with Age. Rejuvenation Research, 2008, 11, 717-724.	1.8	46
85	Angiotensin-converting enzyme inhibition reverses diet-induced obesity, insulin resistance and inflammation in C57BL/6J mice. International Journal of Obesity, 2012, 36, 233-243.	3.5	46
86	Plasma amino acid response after ingestion of different whey protein fractions. International Journal of Food Sciences and Nutrition, 2009, 60, 476-486.	2.8	45
87	metabolism and in vivo fatty acid bioconversion. Aquaculture, 2011, 322-323, 99-108.	3.5	45
88	Prostaglandin F_{2Î±}stimulates PI3K/ERK/mTOR signaling and skeletal myotube hypertrophy. American Journal of Physiology - Cell Physiology, 2011, 300, C671-C682.	4.7	45
89	Linkages between changes in the 3D organization of the genome and transcription during myotube differentiation in vitro. Skeletal Muscle, 2017, 7, 5.	4.2	45
90	MicroRNAs in Muscle: Characterizing the Powerlifter Phenotype. Frontiers in Physiology, 2017, 8, 383.	2.8	45

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91	Brain neuropeptide Y and CCK and peripheral adipokine receptors: temporal response in obesity induced by palatable diet. International Journal of Obesity, 2008, 32, 249-258.	3.5	43
92	Ibuprofen treatment blunts early translational signaling responses in human skeletal muscle following resistance exercise. Journal of Applied Physiology, 2014, 117, 20-28.	2.6	42
93	Delayed myonuclear addition, myofiber hypertrophy, and increases in strength with high-frequency low-load blood flow restricted training to volitional failure. Journal of Applied Physiology, 2019, 126, 578-592.	2.6	42
94	Circulatory miRNA biomarkers of metabolic syndrome. Acta Diabetologica, 2020, 57, 203-214.	2.5	42
95	Increased Smad signaling and reduced MRF expression in skeletal muscle from obese subjects. Obesity, 2013, 21, 525-528.	3.1	41
96	Intramuscular inflammatory and resolving lipid profile responses to an acute bout of resistance exercise in men. Physiological Reports, 2019, 7, e14108.	1.7	41
97	Peripheral blood mononuclear cells do not reflect skeletal muscle mitochondrial function or adaptation to high-intensity interval training in healthy young men. Journal of Applied Physiology, 2019, 126, 454-461.	2.6	41
98	Fasting activates the gene expression of UCP3 independent of genes necessary for lipid transport and oxidation in skeletal muscle. Biochemical and Biophysical Research Communications, 2002, 294, 301-308.	2.2	40
99	Impact of resistance exercise training on interleukinâ€6 and JAK/STAT in young men. Muscle and Nerve, 2011, 43, 385-392.	2.2	40
100	Acute resistance exercise increases the expression of chemotactic factors within skeletal muscle. European Journal of Applied Physiology, 2014, 114, 2157-2167.	2.5	40
101	Depressed Na+-K+-ATPase activity in skeletal muscle at fatigue is correlated with increased Na+-K+-ATPase mRNA expression following intense exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R266-R274.	1.9	39
102	Postexercise Muscle Cooling Enhances Gene Expression of PGC-1Î±. Medicine and Science in Sports and Exercise, 2014, 46, 1900-1907.	0.4	39
103	Emerging roles of pro-resolving lipid mediators in immunological and adaptive responses to exercise-induced muscle injury. Exercise Immunology Review, 2016, 22, 110-34.	0.4	39
104	Psyllium Supplementation in Adolescents Improves Fat Distribution & Lipid Profile: A Randomized, Participant-Blinded, Placebo-Controlled, Crossover Trial. PLoS ONE, 2012, 7, e41735.	2.5	38
105	Dietary Regulation of Fat Oxidative Gene Expression in Different Skeletal Muscle Fiber Types. Obesity, 2003, 11, 1471-1479.	4.0	37
106	Repeated Sprints Alter Signaling Related to Mitochondrial Biogenesis in Humans. Medicine and Science in Sports and Exercise, 2012, 44, 827-834.	0.4	37
107	Differential Regulation of Adiponectin Receptor Gene Expression by Adiponectin and Leptin in Myotubes Derived from Obese and Diabetic Individuals. Obesity, 2006, 14, 1898-1904.	3.1	35
108	Impact of dairy protein during limb immobilization and recovery on muscle size and protein synthesis; a randomized controlled trial. Journal of Applied Physiology, 2018, 124, 717-728.	2.6	35

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109	Dose-dependent increases in p70S6K phosphorylation and intramuscular branched-chain amino acids in older men following resistance exercise and protein intake. Physiological Reports, 2014, 2, e12112.	1.7	34
110	Maternal High Fat Diet Alters Skeletal Muscle Mitochondrial Catalytic Activity in Adult Male Rat Offspring. Frontiers in Physiology, 2016, 7, 546.	2.8	34
111	High-intensity interval exercise increases humanin, a mitochondrial encoded peptide, in the plasma and muscle of men. Journal of Applied Physiology, 2020, 128, 1346-1354.	2.6	34
112	Resistance Exercise and Insulin Regulate AS160 and Interaction With 14-3-3 in Human Skeletal Muscle. Diabetes, 2007, 56, 1608-1614.	0.6	33
113	Association of Plasma Lipids and Polar Metabolites with Low Bone Mineral Density in Singaporean-Chinese Menopausal Women: A Pilot Study. International Journal of Environmental Research and Public Health, 2018, 15, 1045.	2.7	33
114	Increased expression of the mitochondrial derived peptide, MOTS-c, in skeletal muscle of healthy aging men is associated with myofiber composition. Aging, 2020, 12, 5244-5258.	3.1	33
115	Energy density of foods and beverages in the Australian food supply: influence of macronutrients and comparison to dietary intake. European Journal of Clinical Nutrition, 2004, 58, 1485-1491.	2.9	32
116	Soy protein ingestion results in less prolonged p70S6 kinase phosphorylation compared to whey protein after resistance exercise in older men. Journal of the International Society of Sports Nutrition, 2015, 12, 6.	4.0	32
117	Ribosome biogenesis and degradation regulate translational capacity during muscle disuse and reloading. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 130-143.	7.4	32
118	Exercise And Skeletal Muscle Gene Expression. Clinical and Experimental Pharmacology and Physiology, 2002, 29, 209-213.	2.0	31
119	The actions of a novel lipoprotein lipase activator, NO-1886, in hypertriglyceridemic fructose-fed rats. Metabolism: Clinical and Experimental, 1998, 47, 149-153.	3.4	30
120	Exercise, diet, and skeletal muscle gene expression. Medicine and Science in Sports and Exercise, 2002, 34, 1505-1508.	0.4	30
121	Acute resistance exercise induces Sestrin2 phosphorylation and p62 dephosphorylation in human skeletal muscle. Physiological Reports, 2017, 5, e13526.	1.7	30
122	Sestrins are differentially expressed with age in the skeletal muscle of men: A cross-sectional analysis. Experimental Gerontology, 2018, 110, 23-34.	2.8	30
123	Shortâ€term highâ€intensity interval training exercise does not affect gut bacterial community diversity or composition of lean and overweight men. Experimental Physiology, 2020, 105, 1268-1279.	2.0	30
124	Whey Protein Ingestion Activates mTOR-dependent Signalling after Resistance Exercise in Young Men: A Double-Blinded Randomized Controlled Trial. Nutrients, 2009, 1, 263-275.	4.1	29
125	JAK/STAT signaling and human in vitro myogenesis. BMC Physiology, 2011, 11, 6.	3.6	29
126	Supplementation with a blend of krill anxsd salmon oil is associated with increased metabolic risk in overweight men. American Journal of Clinical Nutrition, 2015, 102, 49-57.	4.8	29

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127	Arachidonic acid supplementation modulates blood and skeletal muscle lipid profile with no effect on basal inflammation in resistance exercise trained men. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 128, 74-86.	2.3	29
128	Lipidomic Profiling of Chylomicron Triacylglycerols in Response to High Fat Meals. Lipids, 2013, 48, 39-50.	1.7	28
129	Protein Intake at Twice the RDA in Older Men Increases Circulatory Concentrations of the Microbiome Metabolite Trimethylamine-N-Oxide (TMAO). Nutrients, 2019, 11, 2207.	4.1	28
130	Comparison of the impact of bovine milk Î²-casein variants on digestive comfort in females self-reporting dairy intolerance: a randomized controlled trial. American Journal of Clinical Nutrition, 2020, 111, 149-160.	4.8	28
131	Physical activity beliefs and behaviours among adults attempting weight control. International Journal of Obesity, 2000, 24, 81-87.	3.5	27
132	Effect of elevated lipid concentrations on human skeletal muscle gene expression. Metabolism: Clinical and Experimental, 2005, 54, 952-959.	3.4	27
133	Actions of Short-Term Fasting on Human Skeletal Muscle Myogenic and Atrogenic Gene Expression. Annals of Nutrition and Metabolism, 2006, 50, 476-481.	1.9	27
134	Prolonged submaximal exercise induces isoform-specific Na+-K+-ATPase mRNA and protein responses in human skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R414-R424.	1.9	27
135	Identification of human skeletal muscle miRNA related to strength by high-throughput sequencing. Physiological Genomics, 2018, 50, 416-424.	2.3	27
136	Interaction of exercise and diet on GLUT-4 protein and gene expression in Type I and Type II rat skeletal muscle. Acta Physiologica Scandinavica, 2002, 175, 37-44.	2.2	26
137	Fish oil supplementation to rats fed high-fat diet during pregnancy prevents development of impaired insulin sensitivity in male adult offspring. Scientific Reports, 2017, 7, 5595.	3.4	26
138	Growth Factor Concentrations in Human Milk Are Associated With Infant Weight and BMI From Birth to 5 Years. Frontiers in Nutrition, 2020, 7, 110.	3.7	26
139	Postprandial metabolism of docosapentaenoic acid (DPA, 22:5nâˆ’3) and eicosapentaenoic acid (EPA,) Tj ETQq1 1 0.784314 rgBT /Ov	2.3	25
140	Comparisons of the Postprandial Inflammatory and Endotoxaemic Responses to Mixed Meals in Young and Older Individuals: A Randomised Trial. Nutrients, 2017, 9, 354.	4.1	25
141	Increased insulin-stimulated Akt pSer473 and cytosolic SHP2 protein abundance in human skeletal muscle following acute exercise and short-term training. Journal of Applied Physiology, 2007, 102, 1624-1631.	2.6	24
142	Early inflammatory and myogenic responses to resistance exercise in the elderly. Muscle and Nerve, 2012, 46, 407-412.	2.2	24
143	Age and sex differences in human skeletal muscle fibrosis markers and transforming growth factor-Î² signaling. European Journal of Applied Physiology, 2017, 117, 1463-1472.	2.5	24
144	Distribution of fatty acids and phospholipids in different table cuts and co-products from New Zealand pasture-fed Wagyu-dairy cross beef cattle. Meat Science, 2018, 140, 26-37.	5.5	24

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145	Reduced plasma free fatty acid availability during exercise: effect on gene expression. European Journal of Applied Physiology, 2007, 99, 485-493.	2.5	23
146	3T3-L1 Preadipocytes Exhibit Heightened Monocyte-Chemoattractant Protein-1 Response to Acute Fatty Acid Exposure. PLoS ONE, 2014, 9, e99382.	2.5	23
147	Nicotine treatment decreases food intake and body weight viaa leptin-independent pathway in Psammomys obesus. Diabetes, Obesity and Metabolism, 2002, 4, 346-350.	4.4	21
148	Increased pyruvate dehydrogenase kinase expression in cultured myotubes from obese and diabetic individuals. European Journal of Nutrition, 2015, 54, 1033-1043.	4.0	21
149	PGC-1Î± and PGC-1Î² Increase Protein Synthesis via ERRÎ± in C2C12 Myotubes. Frontiers in Physiology, 2018, 9, 1336.	2.8	21
150	The Degree of Aminoacidemia after Dairy Protein Ingestion Does Not Modulate the Postexercise Anabolic Response in Young Men: A Randomized Controlled Trial. Journal of Nutrition, 2019, 149, 1511-1522.	2.9	21
151	Effects of Intermittent Training on Anaerobic Performance and MCT Transporters in Athletes. PLoS ONE, 2014, 9, e95092.	2.5	21
152	Effects of endurance training status and sex differences on Na+,K+-pump mRNA expression, content and maximal activity in human skeletal muscle. Acta Physiologica, 2007, 189, 259-269.	3.8	20
153	The effects of osteoarthritis and age on skeletal muscle strength, Na⁺-K⁺-ATPase content, gene and isoform expression. Journal of Applied Physiology, 2013, 115, 1443-1449.	2.6	20
154	Fishing for answers: is oxidation of fish oil supplements a problem?. Journal of Nutritional Science, 2015, 4, e36.	1.9	20
155	Antioxidant treatment with Nâ€acetylcysteine regulates mammalian skeletal muscle Na⁺â€“K⁺â€ATPase Î± gene expression during repeated contractions. Experimental Physiology, 2008, 93, 1239-1248.	2.0	19
156	The effect of the nitric oxide donor sodium nitroprusside on glucose uptake in human primary skeletal muscle cells. Nitric Oxide - Biology and Chemistry, 2009, 21, 126-131.	2.8	19
157	Early myogenic responses to acute exercise before and after resistance training in young men. Physiological Reports, 2015, 3, e12511.	1.7	19
158	Oxidized fish oil in rat pregnancy causes high newborn mortality and increases maternal insulin resistance. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R497-R504.	1.9	19
159	Maternal influences on the glucocorticoid concentrations of human milk: The STEPS study. Clinical Nutrition, 2019, 38, 1913-1920.	5.0	19
160	Sexually Dimorphic Associations between Maternal Factors and Human Milk Hormonal Concentrations. Nutrients, 2020, 12, 152.	4.1	19
161	Effect of propionate on in vivo carbohydrate metabolism in streptozocin-induced diabetic rats. Metabolism: Clinical and Experimental, 1994, 43, 728-734.	3.4	18
162	Undernutrition during suckling in rats elevates plasma adiponectin and its receptor in skeletal muscle regardless of diet composition: a protective effect?. International Journal of Obesity, 2008, 32, 1585-1594.	3.5	18

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163	Impact of SOCS3 overexpression on human skeletal muscle development in vitro. Cytokine, 2011, 55, 104-109.	3.2	17
164	Inflammatory markers in skeletal muscle of older adults. European Journal of Applied Physiology, 2013, 113, 509-517.	2.5	17
165	The Role of Lipogenesis in the Development of Obesity and Diabetes in Israeli Sand Rats (Psammomys) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	16
166	Identification of novel genes expressed during rhabdomyosarcoma differentiation using cDNA microarrays. Pathology International, 2006, 56, 246-255.	1.3	16
167	Cytokine Responses to Carbohydrate Ingestion During Recovery from Exercise-Induced Muscle Injury. Journal of Interferon and Cytokine Research, 2010, 30, 329-337.	1.2	16
168	Maternal conjugated linoleic acid supplementation reverses high-fat diet-induced skeletal muscle atrophy and inflammation in adult male rat offspring. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R432-R439.	1.9	16
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