Anton J M Wagenmakers

List of Publications by Year
in descending order

210 papers	11,736 citations	17429 63 h-index	31818 101 g-index
213 all docs	213 docs citations	213 times ranked	8980 citing authors

#	Article	IF	Citations
1	The effects of increasing exercise intensity on muscle fuel utilisation in humans. Journal of Physiology, 2001, 536, 295-304.	1.3	643
2	Physiological and Health Effects of Oral Creatine Supplementation. Medicine and Science in Sports and Exercise, 2000, 32, 706-717.	0.2	338
3	Plasma insulin responses after ingestion of different amino acid or protein mixtures with carbohydrate. American Journal of Clinical Nutrition, 2000, 72, 96-105.	2.2	323
4	Maximizing postexercise muscle glycogen synthesis: carbohydrate supplementation and the application of amino acid or protein hydrolysate mixtures. American Journal of Clinical Nutrition, 2000, 72, 106-111.	2.2	286
5	Relationship between gastro-intestinal complaints and endotoxaemia, cytokine release and the acute-phase reaction during and after a long-distance triathlon in highly trained men. Clinical Science, 2000, 98, 47-55.	1.8	252
6	Dynamic graciloplasty for treatment of faecal incontinence. Lancet, The, 1991, 338, 1163-1165.	6.3	243
7	Combined ingestion of protein and free leucine with carbohydrate increases postexercise muscle protein synthesis in vivo in male subjects. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E645-E653.	1.8	242
8	Carbohydrate-Electrolyte Feedings Improve 1 h Time Trial Cycling Performance. International Journal of Sports Medicine, 1997, 18, 125-129.	0.8	217
9	Preferential Uptake of Dietary Fatty Acids in Adipose Tissue and Muscle in the Postprandial Period. Diabetes, 2007, 56, 168-176.	0.3	209
10	Amino Acid Ingestion Strongly Enhances Insulin Secretion in Patients With Long-Term Type 2 Diabetes. Diabetes Care, 2003, 26, 625-630.	4.3	200
11	Intramyocellular lipids form an important substrate source during moderate intensity exercise in enduranceâ€trained males in a fasted state. Journal of Physiology, 2003, 553, 611-625.	1.3	181
12	Addition of protein and amino acids to carbohydrates does not enhance postexercise muscle glycogen synthesis. Journal of Applied Physiology, 2001, 91, 839-846.	1.2	171
13	Sprint interval and endurance training are equally effective in increasing muscle microvascular density and eNOS content in sedentary males. Journal of Physiology, 2013, 591, 641-656.	1.3	169
14	Impaired oxidation of plasma-derived fatty acids in type 2 diabetic subjects during moderate-intensity exercise. Diabetes, 2000, 49, 2102-2107.	0.3	160
15	Co-ingestion of protein and leucine stimulates muscle protein synthesis rates to the same extent in young and elderly lean men. American Journal of Clinical Nutrition, 2006, 84, 623-632.	2.2	158
16	Sprint interval and traditional endurance training increase net intramuscular triglyceride breakdown and expression of perilipin 2 and 5. Journal of Physiology, 2013, 591, 657-675.	1.3	153
17	Necrotizing myopathy in critically-ill patients. Journal of Pathology, 1991, 164, 307-314.	2.1	147
18	Ingestion of branchedâ€chain amino acids and tryptophan during sustained exercise in man: failure to affect performance.. Journal of Physiology, 1995, 486, 789-794.	1.3	140

#	Article	IF	Citations
19	11 Muscle Amino Acid Metabolism at Rest and During Exercise. Exercise and Sport Sciences Reviews, 1998, 26, 287???314.	1.6	138
20	Glucose kinetics during prolonged exercise in highly trained human subjects: effect of glucose ingestion. Journal of Physiology, 1999, 515, 579-589.	1.3	135
21	Exercise-induced activation of the branched-chain 2-oxo acid dehydrogenase in human muscle. European Journal of Applied Physiology and Occupational Physiology, 1989, 59, 159-167.	1.2	123
22	Ingestion of Protein Hydrolysate and Amino Acidâ€"Carbohydrate Mixtures Increases Postexercise Plasma Insulin Responses in Men. Journal of Nutrition, 2000, 130, 2508-2513.	1.3	121
23	Plasma FFA utilization and fatty acid-binding protein content are diminished in type 2 diabetic muscle. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E146-E154.	1.8	121
24	Combined ingestion of protein and carbohydrate improves protein balance during ultra-endurance exercise. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E712-E720.	1.8	121
25	Cross-linking of mRNA to Proteins by Irradiation of Intact Cells with Ultraviolet Light. FEBS Journal, 1980, 112, 323-330.	0.2	118
26	Plasma Free Fatty Acid Uptake and Oxidation Are Already Diminished in Subjects at High Risk for Developing Type 2 Diabetes. Diabetes, 2001, 50, 2548-2554.	0.3	115
27	The Effect of a 3-Month Low-Intensity Endurance Training Program on Fat Oxidation and Acetyl-CoA Carboxylase-2 Expression. Diabetes, 2002, 51, 2220-2226.	0.3	115
28	Co-ingestion of a protein hydrolysate and amino acid mixture with carbohydrate improves plasma glucose disposal in patients with type 2 diabetes. American Journal of Clinical Nutrition, 2005, 82, 76-83.	2.2	115
29	Effect of exercise training at different intensities on fat metabolism of obese men. Journal of Applied Physiology, 2002, 92, 1300-1309.	1.2	114
30	Network distribution of mitochondria and lipid droplets in human muscle fibres. Histochemistry and Cell Biology, 2008, 129, 65-72.	0.8	114
31	Oxidation rates of orally ingested carbohydrates during prolonged exercise in men. Journal of Applied Physiology, 1993, 75, 2774-2780.	1.2	111
32	Carbohydrate ingestion can completely suppress endogenous glucose production during exercise. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E672-E683.	1.8	111
33	Gastric emptying, absorption, and carbohydrate oxidation during prolonged exercise. Journal of Applied Physiology, 1992, 72, 468-475.	1.2	108
34	Heat stress increases muscle glycogen use but reduces the oxidation of ingested carbohydrates during exercise. Journal of Applied Physiology, 2002, 92, 1562-1572.	1.2	107
35	Tracers to investigate protein and amino acid metabolism in human subjects. Proceedings of the Nutrition Society, 1999, 58, 987-1000.	0.4	106
36	Effect of protein source and quantity on protein metabolism in elderly women. American Journal of Clinical Nutrition, 1998, 68, 1228-1235.	2.2	99

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37	Intravenous AICAR administration reduces hepatic glucose output and inhibits whole body lipolysis in type 2 diabetic patients. Diabetologia, 2008, 51, 1893-1900.	2.9	98
38	The Effect of Exercise and Nutrition on Intramuscular Fat Metabolism and Insulin Sensitivity. Annual Review of Nutrition, 2010, 30, 13-34.	4.3	97
39	Co-ingestion of leucine with protein does not further augment post-exercise muscle protein synthesis rates in elderly men. British Journal of Nutrition, 2008, 99, 571-580.	1.2	95
40	Increase in fat oxidation on a high-fat diet is accompanied by an increase in triglyceride-derived fatty acid oxidation. Diabetes, 2000, 49, 640-646.	0.3	94
41	Fat Metabolism During Exercise: A Review - Part II: Regulation of Metabolism and the Effects of Training. International Journal of Sports Medicine, 1998, 19, 293-302.	0.8	92
42	Effect of medium-chain triacylglycerol and carbohydrate ingestion during exercise on substrate utilization and subsequent cycling performance. American Journal of Clinical Nutrition, 1998, 67, 397-404.	2.2	90
43	Effect of training status on fuel selection during submaximal exercise with glucose ingestion. Journal of Applied Physiology, 1999, 87, 1413-1420.	1.2	86
44	Creatine supplementation increases glycogen storage but not GLUT-4 expression in human skeletal muscle. Clinical Science, 2004, 106, 99-106.	1.8	86
45	Low-Volume High-Intensity Interval Training in a Gym Setting Improves Cardio-Metabolic and Psychological Health. PLoS ONE, 2015, 10, e0139056.	1.1	86
46	Co-Ingestion of a Protein Hydrolysate with or without Additional Leucine Effectively Reduces Postprandial Blood Glucose Excursions in Type 2 Diabetic Men. Journal of Nutrition, 2006, 136, 1294-1299.	1.3	85
47	Deamination of amino acids as a source for ammonia production in human skeletal muscle during prolonged exercise.. Journal of Physiology, 1995, 489, 251-261.	1.3	84
48	Adipose tissue fatty acid metabolism in insulin-resistant men. Diabetologia, 2008, 51, 1466-1474.	2.9	84
49	Sprint interval and moderateâ€intensity continuous training have equal benefits on aerobic capacity, insulin sensitivity, muscle capillarisation and endothelial eNOS/NAD(P)Hoxidase protein ratio in obese men. Journal of Physiology, 2016, 594, 2307-2321.	1.3	84
50	Effects of creatine loading and prolonged creatine supplementation on body composition, fuel selection, sprint and endurance performance in humans. Clinical Science, 2003, 104, 153.	1.8	81
51	Nutritional Interventions to Promote Post-Exercise Muscle Protein Synthesis. Sports Medicine, 2007, 37, 895-906.	3.1	80
52	Protein and Amino Acid Metabolism in Human Muscle. Advances in Experimental Medicine and Biology, 1998, 441, 307-319.	0.8	78
53	14CO2 production is no adequate measure of [14C]fatty acid oxidation. Biochemical Medicine and Metabolic Biology, 1986, 35, 248-259.	0.7	77
54	Improvement in Cardiac Energetics by Perhexiline in Heart Failure Due to DilatedÂCardiomyopathy. JACC: Heart Failure, 2015, 3, 202-211.	1.9	77

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55	The activity state of the branched-chain 2-oxo acid dehydrogenase complex in rat tissues. Biochemical Journal, 1984, 220, 273-281.	1.7	76
56	Modulation of whole body protein metabolism, during and after exercise, by variation of dietary protein. Journal of Applied Physiology, 1998, 85, 1744-1752.	1.2	75
57	Reduced oxidation of dietary fat after a short term high-carbohydrate diet. American Journal of Clinical Nutrition, 2008, 87, 824-831.	2.2	74
58	Fat Metabolism During Exercise: A Review. Part III: Effects of Nutritional Interventions. International Journal of Sports Medicine, 1998, 19, 371-379.	0.8	71
59	Metabolic availability of medium-chain triglycerides coingested with carbohydrates during prolonged exercise. Journal of Applied Physiology, 1995, 79, 756-762.	1.2	70
60	Inhibition of adipose tissue lipolysis increases intramuscular lipid and glycogen use in vivo in humans. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E482-E493.	1.8	70
61	Relationship Between Coronary Microvascular Dysfunction and Cardiac Energetics Impairment in Type 1 Diabetes Mellitus. Circulation, 2010, 121, 1209-1215.	1.6	69
62	Energy, substrate and protein metabolism in morbid obesity before, during and after massive weight loss. International Journal of Obesity, 2000, 24, 711-718.	1.6	65
63	Influence of prolonged endurance cycling and recovery diet on intramuscular triglyceride content in trained males. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E804-E811.	1.8	64
64	Skeletal muscle wasting and contractile performance in septic rats. Muscle and Nerve, 2005, 31, 339-348.	1.0	64
65	Protein Hydrolysate/Leucine Co-Ingestion Reduces the Prevalence of Hyperglycemia in Type 2 Diabetic Patients. Diabetes Care, 2006, 29, 2721-2722.	4.3	64
66	Exogenous glucose oxidation during exercise in endurance-trained and untrained subjects. Journal of Applied Physiology, 1997, 82, 835-840.	1.2	62
67	Increased muscle blood supply and transendothelial nutrient and insulin transport induced by food intake and exercise: effect of obesity and ageing. Journal of Physiology, 2016, 594, 2207-2222.	1.3	61
68	Prolonged exercise training increases intramuscular lipid content and perilipin 2 expression in type I muscle fibers of patients with type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1158-E1165.	1.8	58
69	Effect of inhibitors of arachidonic acid metabolism on efflux of intracellular enzymes from skeletal muscle following experimental damage. Biochemical Journal, 1987, 241, 403-407.	1.7	57
70	Effect of starvation and exercise on actual and total activity of the branched-chain 2-oxo acid dehydrogenase complex in rat tissues. Biochemical Journal, 1984, 223, 815-821.	1.7	56
71	Oxidation of exogenous [13C]galactose and [13C]glucose during exercise. Journal of Applied Physiology, 1995, 79, 720-725.	1.2	54
72	Muscle function in critically ill patients. Clinical Nutrition, 2001, 20, 451-454.	2.3	54

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73	Lipid droplet remodelling and reduced muscle ceramides following sprint interval and moderate-intensity continuous exercise training in obese males. International Journal of Obesity, 2017, 41, 1745-1754.	1.6	54
74	Glucocorticoids Fail to Cause Insulin Resistance in Human Subcutaneous Adipose Tissue In Vivo. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1631-1640.	1.8	53
75	Exogenous carbohydrate oxidation from different carbohydrate sources during exercise. Journal of Applied Physiology, 1993, 75, 2168-2172.	1.2	52
76	Substrate source utilisation in long-term diagnosed type 2 diabetes patients at rest, and during exercise and subsequent recovery. Diabetologia, 2007, 50, 103-112.	2.9	51
77	Preferential utilization of perilipin 2â€associated intramuscular triglycerides during 1 h of moderateâ€intensity enduranceâ€type exercise. Experimental Physiology, 2012, 97, 970-980.	0.9	51
78	Co-ingestion of a protein hydrolysate and amino acid mixture with carbohydrate improves plasma glucose disposal in patients with type 2 diabetes. American Journal of Clinical Nutrition, 2005, 82, 76-83.	2.2	51
79	Neutrophil and Monocyte Bactericidal Responses to 10 Weeks of Low-Volume High-Intensity Interval or Moderate-Intensity Continuous Training in Sedentary Adults. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-12.	1.9	50
80	Effects of carbohydrate (CHO) and fat supplementation on CHO metabolism during prolonged exercise. Metabolism: Clinical and Experimental, 1996, 45, 915-921.	1.5	49
81	Validation of the [1,2-13C]acetate recovery factor for correction of [U-13C]palmitate oxidation rates in humans. Journal of Physiology, 1998, 513, 215-223.	1.3	49
82	Adipophilin distribution and colocalisation with lipid droplets in skeletal muscle. Histochemistry and Cell Biology, 2009, 131, 575-581.	0.8	49
83	Habitual physical activity is associated with the maintenance of neutrophil migratory dynamics in healthy older adults. Brain, Behavior, and Immunity, 2016, 56, 12-20.	2.0	49
84	The Effect of Lowâ€Intensity Exercise Training on Fat Metabolism of Obese Women. Obesity, 2001, 9, 86-96.	4.0	48
85	Effects of acute (â^')-hydroxycitrate supplementation on substrate metabolism at rest and during exercise in humans. American Journal of Clinical Nutrition, 2000, 72, 1445-1450.	2.2	46
86	The Fate of [U-13C]Palmitate Extracted by Skeletal Muscle in Subjects With Type 2 Diabetes and Control Subjects. Diabetes, 2002, 51, 784-789.	0.3	45
87	Effect of endogenous carbohydrate availability on oral medium-chain triglyceride oxidation during prolonged exercise. Journal of Applied Physiology, 1996, 80, 949-954.	1.2	43
88	Response of glutamine metabolism to glutamine-supplemented parenteral nutrition. American Journal of Clinical Nutrition, 2000, 72, 790-795.	2.2	43
89	Muscle protein degradation and amino acid metabolism during prolonged knee-extensor exercise in humans. Clinical Science, 1999, 97, 557-567.	1.8	42
90	Passive heat therapy in sedentary humans increases skeletal muscle capillarization and eNOS content but not mitochondrial density or GLUT4 content. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H114-H123.	1.5	42

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91	Weight Reduction and the Impaired Plasma-Derived Free Fatty Acid Oxidation in Type 2 Diabetic Subjects. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 1638-1644.	1.8	42
92	Homeâ€hit improves muscle capillarisation and eNOS/NAD(P)Hoxidase protein ratio in obese individuals with elevated cardiovascular disease risk. Journal of Physiology, 2019, 597, 4203-4225.	1.3	41
93	Absence of glutamine isotopic steady state: implications for the assessment of whole-body glutamine production rate. Clinical Science, 1998, 95, 339.	1.8	40
94	Substrate utilization in non-obese Type II diabetic patients at rest and during exercise. Clinical Science, 2002, 103, 559-566.	1.8	40
95	Lysosomal dysfunction in muscle with special reference to glycogen storage disease type II. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2003, 1637, 164-170.	1.8	40
96	Determinants of the acetate recovery factor: implications for estimation of [13C]substrate oxidation. Clinical Science, 2000, 98, 587-592.	1.8	39
97	Glutamine: The Pivot of Our Nitrogen Economy?. Journal of Parenteral and Enteral Nutrition, 1999, 23, S45-8.	1.3	38
98	Weight Reduction and the Impaired Plasma-Derived Free Fatty Acid Oxidation in Type 2 Diabetic Subjects¹. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 1638-1644.	1.8	37
99	Carbohydrate Restriction in Type 1 Diabetes: A Realistic Therapy for Improved Glycaemic Control and Athletic Performance?. Nutrients, 2019, 11, 1022.	1.7	37
100	The metabolic consequences of reduced habitual activities in patients with muscle pain and disease. Ergonomics, 1988, 31, 1519-1527.	1.1	35
101	Absence of glutamine isotopic steady state: implications for the assessment of whole-body glutamine production rate. Clinical Science, 1998, 95, 339-346.	1.8	35
102	Gastric Emptying of Carbohydrate - Medium Chain Triglyceride Suspensions at Rest. International Journal of Sports Medicine, 1992, 13, 581-584.	0.8	34
103	Muscle protein degradation and amino acid metabolism during prolonged knee-extensor exercise in humans. Clinical Science, 1999, 97, 557.	1.8	34
104	Glutamine Appearance Rate in Plasma Is Not Increased after Gastrointestinal Surgery in Humans. Journal of Nutrition, 2000, 130, 1566-1571.	1.3	34
105	The metabolic fate of branched-chain amino acids and 2-oxo acids in rat muscle homogenates and diaphragms. International Journal of Biochemistry & Cell Biology, 1985, 17, 957-965.	0.8	33
106	Reduced <i>in vivo</i> skeletal muscle oxygen consumption in patients with chronic heart failureâ€"A study using Near Infrared Spectrophotometry (NIRS). European Journal of Heart Failure, 2008, 10, 652-657.	2.9	33
107	Resistance training increases skeletal muscle oxidative capacity and net intramuscular triglyceride breakdown in type I and II fibres of sedentary males. Experimental Physiology, 2014, 99, 894-908.	0.9	33
108	Quantitative immunofluorescence microscopy of subcellular GLUT4 distribution in human skeletal muscle: effects of endurance and sprint interval training. Physiological Reports, 2014, 2, e12085.	0.7	32

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109	Effect of oral glucose on leucine turnover in human subjects at rest and during exercise at two levels of dietary protein. Journal of Physiology, 2000, 525, 271-281.	1.3	31
110	Fasted High-Intensity Interval and Moderate-Intensity Exercise Do Not Lead to Detrimental 24-Hour Blood Glucose Profiles. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 111-117.	1.8	31
111	Myocardial substrate uptake and oxidation during and after routine cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 1999, 118, 71-80.	0.4	30
112	The Effect of Free Glutamine and Peptide Ingestion on the Rate of Muscle Glycogen Resynthesis in Man. International Journal of Sports Medicine, 2000, 21, 25-30.	0.8	30
113	â€œGirls Arenâ€™t Meant to Exerciseâ€: Perceived Influences on Physical Activity among Adolescent Girlsâ€"The HERizon Project. Children, 2021, 8, 31.	0.6	30
114	Mitochondrial Protein Content and <i>in Vivo</i> Synthesis Rates in Skeletal Muscle from Critically Ill Rats. Clinical Science, 1996, 91, 475-481.	1.8	29
115	Impaired performance of skeletal muscle in ?-glucosidase knockout mice. Muscle and Nerve, 2002, 25, 873-883.	1.0	29
116	Intrinsic motivation in two exercise interventions: Associations with fitness and body composition.. Health Psychology, 2016, 35, 195-198.	1.3	29
117	High-Intensity Interval Training Improves Aerobic Capacity Without a Detrimental Decline in Blood Glucose in People With Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 604-612.	1.8	29
118	Amino acid supplements to improve athletic performance. Current Opinion in Clinical Nutrition and Metabolic Care, 1999, 2, 539-544.	1.3	28
119	Degradation of branched-chain amino acids and their derived 2-oxo acids and fatty acids in human and rat heart and skeletal muscle. Biochemical Medicine, 1982, 28, 16-31.	0.5	26
120	Reduced oxidation rates of ingested glucose during prolonged exercise with low endogenous CHO availability. Journal of Applied Physiology, 1996, 81, 1952-1957.	1.2	26
121	The use of the [1,2-13C]acetate recovery factor in metabolic research. European Journal of Applied Physiology, 2003, 89, 377-383.	1.2	25
122	Coronary Sinus Catheter Placement. Chest, 2003, 124, 1259-1265.	0.4	25
123	In It Together: A Qualitative Evaluation of Participant Experiences of a 10-Week, Group-Based, Workplace HIIT Program for Insufficiently Active Adults. Journal of Sport and Exercise Psychology, 2018, 40, 10-19.	0.7	25
124	Integration of the metabolic and cardiovascular effects of exercise. Essays in Biochemistry, 2006, 42, 193-210.	2.1	25
125	Ethnicity and long-term heart rate variability in children. Archives of Disease in Childhood, 2013, 98, 292-298.	1.0	24
126	The effect of different training modes on skeletal muscle microvascular density and endothelial enzymes controlling NO availability. Journal of Physiology, 2016, 594, 2245-2257.	1.3	24

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127	Probiotic supplementation increases carbohydrate metabolism in trained male cyclists: a randomized, double-blind, placebo-controlled crossover trial. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E504-E513.	1.8	23
128	Discrepancy between muscle and whole body protein turnover. Current Opinion in Clinical Nutrition and Metabolic Care, 1999, 2, 29-32.	1.3	22
129	Effect of Carbohydrate Supplementation on Plasma Glutamine During Prolonged Exercise and Recovery. International Journal of Sports Medicine, 1998, 19, 82-86.	0.8	21
130	Age-related morphological changes in skeletal muscle cells of acid Î±-glucosidase knockout mice. Muscle and Nerve, 2006, 33, 505-513.	1.0	21
131	Effect of acute exercise on glucose tolerance following post-exercise feeding. European Journal of Applied Physiology, 2007, 100, 711-717.	1.2	20
132	A Multidisciplinary Evaluation of a Virtually Supervised Home-Based High-Intensity Interval Training Intervention in People With Type 1 Diabetes. Diabetes Care, 2019, 42, 2330-2333.	4.3	20
133	Substrate Source Use in Older, Trained Males after Decades of Endurance Training. Medicine and Science in Sports and Exercise, 2007, 39, 2160-2170.	0.2	19
134	Effect of clofibrate feeding on palmitate and branched-chain 2-oxo acid oxidation in rat liver and muscle. Biochemical Pharmacology, 1983, 32, 2489-2493.	2.0	18
135	Determinants of the acetate recovery factor: implications for estimation of [13C]substrate oxidation. Clinical Science, 2000, 98, 587.	1.8	18
136	Immunofluorescence Microscopy to Assess Enzymes Controlling Nitric Oxide Availability and Microvascular Blood Flow in Muscle. Microcirculation, 2012, 19, 642-651.	1.0	18
137	Effect of muscle metaboreflex activation on central hemodynamics and cardiac function in humans. Applied Physiology, Nutrition and Metabolism, 2014, 39, 861-870.	0.9	18
138	Visualization and quantitation of GLUT4 translocation in human skeletal muscle following glucose ingestion and exercise. Physiological Reports, 2015, 3, e12375.	0.7	18
139	Prolonged Changes in Protein and Amino Acid Metabolism after Zymosan Treatment in Rats. Clinical Science, 1994, 87, 619-626.	1.8	17
140	High-Fat Overfeeding Impairs Peripheral Glucose Metabolism and Muscle Microvascular eNOS Ser1177 Phosphorylation. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 65-77.	1.8	17
141	The metabolism of linoleic acid in healthy subjects after intake of a single dose of 13C-linoleic acid. European Journal of Clinical Nutrition, 2001, 55, 321-326.	1.3	16
142	Lifestyle Intervention and Fatty Acid Metabolism in Glucoseâ€Intolerant Subjects. Obesity, 2005, 13, 1354-1362.	4.0	16
143	Immunofluorescence microscopy of SNAP23 in human skeletal muscle reveals colocalization with plasma membrane, lipid droplets, and mitochondria. Physiological Reports, 2016, 4, e12662.	0.7	16
144	Hormoneâ€sensitive lipase preferentially redistributes to lipid droplets associated with perilipinâ€5 in human skeletal muscle during moderateâ€intensity exercise. Journal of Physiology, 2018, 596, 2077-2090.	1.3	16

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145	Glutamate metabolism of the heart during coronary artery bypass grafting. Clinical Nutrition, 1998, 17, 73-75.	2.3	15
146	Ubiquitin-proteasome-dependent proteolytic activity remains elevated after zymosan-induced sepsis in rats while muscle mass recovers. International Journal of Biochemistry and Cell Biology, 2005, 37, 2217-2225.	1.2	15
147	Effect of Resistance Training on Microvascular Density and eNOS Content in Skeletal Muscle of Sedentary Men. Microcirculation, 2014, 21, 738-746.	1.0	15
148	Prolonged activation of the branched-chain Î±-keto acid dehydrogenase complex in muscle of zymosan treated rats. European Journal of Clinical Investigation, 1995, 25, 548-552.	1.7	14
149	Contraction Failure of Skeletal Muscle of Rats Recovering from Critical Illness. Clinical Science, 1997, 92, 189-195.	1.8	14
150	Homeâ€based highâ€intensity interval training reduces barriers to exercise in people with type 1 diabetes. Experimental Physiology, 2020, 105, 571-578.	0.9	14
151	Metabolic manipulation in chronic heart failure: study protocol for a randomised controlled trial. Trials, 2011, 12, 140.	0.7	13
152	The effect of starvation on branched-chain 2-oxo acid oxidation in rat muscle. Biochemical Journal, 1984, 219, 253-260.	1.7	12
153	Isolation and quantitation of isotopically labeled amino acids from biological samples. Biomedical Applications, 1997, 691, 287-296.	1.7	12
154	Chronic fatigue syndrome: the physiology of people on the low end of the spectrum of physical activity?. Clinical Science, 1999, 97, 611-613.	1.8	12
155	Assessment of whole body protein metabolism in critically ill children: can we use the [15N]glycine single oral dose method?. Clinical Nutrition, 2004, 23, 153-160.	2.3	12
156	Vascular Health in Patients in Remission of Cushing's Syndrome Is Comparable With That in BMI-Matched Controls. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4142-4150.	1.8	12
157	Interaction of octanoate with branched-chain 2-oxo acid oxidation in rat and human muscle in vitro. International Journal of Biochemistry & Cell Biology, 1984, 16, 977-984.	0.8	10
158	Age-related decline in muscle strength and power output in acid 1-4 Î±-glucosidase knockout mice. Muscle and Nerve, 2005, 31, 374-381.	1.0	10
159	Insulin Resistance in the Offspring of Parents with Type 2 Diabetes. PLoS Medicine, 2005, 2, e289.	3.9	10
160	Increase of the activity state and loss of total activity of the branched-chain 2-oxo acid dehydrogenase in rat diaphragm during incubation. Biochemical Journal, 1984, 224, 491-496.	1.7	9
161	Derangement in aerobic and anaerobic energy metabolism in skeletal muscle of critically ill and recovering rats. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1996, 1315, 55-60.	1.8	9
162	A 7â€day highâ€fat, highâ€calorie diet induces fibreâ€specific increases in intramuscular triglyceride and perilipin protein expression in human skeletal muscle. Journal of Physiology, 2020, 598, 1151-1167.	1.3	9

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163	Home-Based HIIT and Traditional MICT Prescriptions Improve Cardiorespiratory Fitness to a Similar Extent Within an Exercise Referral Scheme for At-Risk Individuals. Frontiers in Physiology, 2021, 12, 750283.	1.3	9
164	Interaction of various metabolites and agents with branched-chain 2-oxo acid oxidation in rat and human muscle in vitro. International Journal of Biochemistry & Cell Biology, 1984, 16, 971-976.	0.8	8
165	Chronic Oral Lactate Supplementation Does Not Affect Lactate Disappearance from Blood after Exercise. International Journal of Sport Nutrition, 1995, 5, 117-124.	1.6	8
166	Interaction of short-chain and branched-chain fatty acids and their carnitine and CoA esters and of various metabolites and agents with branched-chain 2-oxo acid oxidation in rat muscle and liver mitochondria. International Journal of Biochemistry & Cell Biology, 1985, 17, 967-974.	0.8	7
167	Paxillin and focal adhesion kinase colocalise in human skeletal muscle and its associated microvasculature. Histochemistry and Cell Biology, 2014, 142, 245-256.	0.8	6
168	Decreased Aerobic Exercise Capacity After Long-Term Remission From Cushing Syndrome: Exploration of Mechanisms. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1408-e1418.	1.8	6
169	In vivo cross-linking of proteins to mRNA in human cells. Molecular Biology Reports, 1981, 7, 93-99.	1.0	5
170	The effect of glutamate infusion on cardiac performance is independent of changes in metabolism in patients undergoing routine coronary artery bypass surgery. Clinical Science, 2001, 101, 573.	1.8	5
171	Immunofluorescent visualisation of focal adhesion kinase in human skeletal muscle and its associated microvasculature. Histochemistry and Cell Biology, 2012, 138, 617-626.	0.8	5
172	Formative Evaluation of a Home-Based Physical Activity Intervention for Adolescent Girlsâ€"The HERizon Project: A Randomised Controlled Trial. Children, 2021, 8, 76.	0.6	5
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