Adaptations of skeletal muscle to endurance exercise an

Journal of Applied Physiology
56, 831-838
DOI: 10.1152/jappl.1984.56.4.831

Citation Report

#	Article	IF	Citations
2	Maximal Oxygen Uptake. New England Journal of Medicine, 1971, 284, 1018-1022.	13.9	222
3	The Importance of Protein for Athletes. Sports Medicine, 1984, 1, 474-484.	3.1	38
4	Biochemical and ultrastructural changes of skeletal muscle mitochondria after chronic electrical stimulation in rabbits. Pflugers Archiv European Journal of Physiology, 1985, 404, 1-9.	1.3	196
5	Human skeletal muscle fiber type alteration with high-intensity intermittent training. European Journal of Applied Physiology and Occupational Physiology, 1985, 54, 250-253.	1.2	133
6	Response of ventilatory and lactate thresholds to continuous and interval training. Journal of Applied Physiology, 1985, 58, 1115-1121.	1.2	197
7	Effects of detraining on responses to submaximal exercise. Journal of Applied Physiology, 1985, 59, 853-859.	1.2	151
8	Effect of Acute and Chronic Exercise on Hepatic Drug Metabolism. Clinical Pharmacokinetics, 1985, 10, 426-431.	1.6	49
9	Cardiorespiratory alterations consequent to endurance exercise training during chronic beta-adrenergic blockade with atenolol and propranolol. American Journal of Cardiology, 1985, 55, D142-D148.	0.7	32
10	Mitochondrial distribution in relation to changes in muscle metabolism in rat soleus. Respiration Physiology, 1986, 64, 1-11.	2.8	27
11	The Interactions of Intensity, Frequency and Duration of Exercise Training in Altering Cardiorespiratory Fitness. Sports Medicine, 1986, 3, 346-356.	3.1	402
12	Skeletal muscle characteristics in sedentary black and Caucasian males. Journal of Applied Physiology, 1986, 61, 1758-1761.	1.2	152
13	Lactate and ventilatory thresholds: disparity in time course of adaptations to training. Journal of Applied Physiology, 1986, 61, 999-1004.	1.2	81
14	Fiber type transformation in human skeletal muscle.. Jinruigaku Zasshi = the Journal of the Anthropological Society of Nihon, 1986, 94, 1-18.	0.2	0
15	Influence of Aerobic Exercise on Fuel Utilization by Skeletal Muscle. ACS Symposium Series, 1986, , 27-43.	0.5	1
16	Anemia causes a relative decrease in blood lactate concentration during exercise. European Journal of Applied Physiology and Occupational Physiology, 1986, 55, 74-78.	1.2	15
17	Lipid metabolism during exercise: Influence of training. Diabetes/metabolism Reviews, 1986, 2, 35-51.	0.2	31
18	Effects of selective and nonselective beta-adrenergic blockade on mechanisms of exercise conditioning.. Circulation, 1986, 74, 664-674.	1.6	37
19	Effect of induced alkalosis on physical work capacity during arm and leg exercise. Ergonomics, 1987, 30, 19-31.	1.1	21

#	Article	IF	Citations
20	Blood flow distribution within skeletal muscle during exercise in the presence of chronic heart failure: effect of milrinone.. Circulation, 1987, 76, 1344-1352.	1.6	64
21	Relationship between mitochondria and oxygen consumption in isolated cat muscles.. Journal of Physiology, 1987, 385, 661-675.	1.3	105
22	The Athlete, Cocaine, and Lactic Acidosis: A Hypothesis*. American Journal of the Medical Sciences, 1987, 294, 412-414.	0.4	12
23	Exercise training and its effect on the heart. Reviews of Physiology, Biochemistry and Pharmacology, 1987, 109, 61-144.	0.9	4
24	Exercise Tolerance Test in Lung Cancer Patients: The Relationship between Exercise Capacity and Postthoracotomy Hospital Mortality. Annals of Thoracic Surgery, 1987, 44, 487-490.	0.7	56
25	Effect of endurance training on leucine metabolism in perfused rat skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 1987, 253, E648-E656.	1.8	10
26	Effects of age and life-time physical training on fibre composition of slow and fast skeletal muscle in rats. Pflugers Archiv European Journal of Physiology, 1987, 408, 543-551.	1.3	58
27	Exercise training induces transitions of myosin isoform subunits within histochemically typed human muscle fibres. Pflugers Archiv European Journal of Physiology, 1987, 409, 349-360.	1.3	107
28	Skeletal muscle blood flow, metabolism and morphology in chronic congestive heart failure and effects of short- and long-term angiotensin-converting enzyme inhibition. American Journal of Cardiology, 1988, 62, 82E-85E.	0.7	8
29	Changes in skeletal muscle gene transcription induced by chronic stimulation. Muscle and Nerve, 1988, 11, 1183-1189.	1.0	57
30	Effect of primary hypohydration on physical work capacity. International Journal of Biometeorology, 1988, 32, 176-180.	1.3	33
31	Effect of lung resection on blood lactate threshold in lung cancer patients. European Journal of Applied Physiology and Occupational Physiology, 1988, 57, 388-393.	1.2	5
32	Is exhaustive training adequate preparation for endurance performance?. European Journal of Applied Physiology and Occupational Physiology, 1988, 58, 68-73.	1.2	4
33	Leg exchange of amino acids during exercise in patients with arterial insufficiency. Clinical Physiology, 1988, 8, 227-241.	0.7	8
34	Cardiovascular function and oxygen transport: responses to exercise and training. , 1988, , 212-245.		5
35	Dichloroacetate, lactic acidosis, and the cardiovascular and cellular events associated with shock. Journal of Critical Care, 1988, 3, 79-81.	1.0	2
36	Biochemistry of Exercise. Sports Medicine, 1988, 5, 137-143.	3.1	3
37	Effects of exposure to cold on metabolic characteristics in gastrocnemius muscle of frog (Rana) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	14

#	Article	IF	Citations
38	The Influence of One-Legged Training on Cardiorespiratory Fitness. Journal of Orthopaedic and Sports Physical Therapy, 1988, 10, 8-11.	1.7	5
39	Acute exhaustive exercise changes the metabolic profiles in slow and fast muscles of rat.. The Japanese Journal of Physiology, 1988, 38, 689-697.	0.9	11
40	Determinants of endurance in well-trained cyclists. Journal of Applied Physiology, 1988, 64, 2622-2630.	1.2	340
41	Human variation in skeletal muscle fiber-type proportion and enzyme activities. American Journal of Physiology - Endocrinology and Metabolism, 1989, 257, E567-E572.	1.8	280
42	Endurance training enhances lactate clearance during hyperlactatemia. American Journal of Physiology - Endocrinology and Metabolism, 1989, 257, E782-E789.	1.8	23
43	The Anaerobic Index: Uses and Limitations in the Assessment of Heart Failure. Cardiology, 1989, 76, 357-367.	0.6	1
44	Beyond the thrifty gene: Metabolic implications of prehistoric migration into the new world. Medical Anthropology: Cross Cultural Studies in Health and Illness, 1989, 11, 227-236.	0.6	44
45	Beta-adrenergic receptor distribution among muscle fiber types and resistance arterioles of white, red, and intermediate skeletal muscle.. Circulation Research, 1989, 64, 1096-1105.	2.0	61
46	Contribution of intrinsic skeletal muscle changes to 31P NMR skeletal muscle metabolic abnormalities in patients with chronic heart failure.. Circulation, 1989, 80, 1338-1346.	1.6	365
47	Differences in training responses on cycle and rowing Ergometers in collegiate women rowers. Research in Sports Medicine, 1989, 1, 197-201.	0.0	0
48	Contrasting peripheral short-term and long-term effects of converting enzyme inhibition in patients with congestive heart failure. A double-blind, placebo-controlled trial.. Circulation, 1989, 79, 491-502.	1.6	232
49	Nutrient Supply and Mitochondrial Function. Annual Review of Nutrition, 1989, 9, 229-251.	4.3	42
50	Training induced physiological and metabolic changes associated with improvements in running performance.. British Journal of Sports Medicine, 1989, 23, 171-176.	3.1	22
52	The effects of high intensity training upon respiratory gas exchanges during fixed term maximal incremental exercise in man. European Journal of Applied Physiology and Occupational Physiology, 1989, 58, 717-721.	1.2	2
53	Maximum rate of oxygen consumption and quantitative histochemistry of succinate dehydrogenase in single muscle fibres ofXenopus laevis. Journal of Muscle Research and Cell Motility, 1989, 10, 221-228.	0.9	91
54	Kinetic parameters of cytochrome c oxidase in rat skeletal muscle: effect of endurance training. Acta Physiologica Scandinavica, 1989, 135, 373-379.	2.3	18
55	The genes for ?-myosin heavy chain and glycogen phosphorylase are discoordinately regulated during compensatory growth of plantaris muscle in the adult rat. Molecular and Cellular Biochemistry, 1989, 86, 115-23.	1.4	8
56	The Effect of Detraining and Reduced Training on the Physiological Adaptations to Aerobic Exercise Training. Sports Medicine, 1989, 8, 302-321.	3.1	157

#	Article	IF	Citations
57	Applied Physiology of a Triathlon. Sports Medicine, 1989, 8, 201-225.	3.1	96
58	Effect of Carbohydrate Ingestion on Exercise of Varying Intensity and Duration. Sports Medicine, 1989, 8, 327-334.	3.1	7
59	Nutritional effects on work performance. American Journal of Clinical Nutrition, 1989, 49, 949-957.	2.2	22
61	Consequences of Combining Strength and Endurance Training Regimens. Physical Therapy, 1990, 70, 287-294.	1.1	134
62	Lactate-related factors as a critical determinant of endurance.. The Annals of Physiological Anthropology, 1990, 9, 191-202.	0.1	19
63	The effects of training on the metabolic and respiratory profile of high-intensity cycle ergometer exercise. European Journal of Applied Physiology and Occupational Physiology, 1990, 59, 421-429.	1.2	192
64	Influence of L-carnitine administration on maximal physical exercise. European Journal of Applied Physiology and Occupational Physiology, 1990, 61, 486-490.	1.2	82
65	Adaptation of cancellous bone to overloading in the adult rat: A single photon absorptiometry and histomorphometry study. The Anatomical Record, 1990, 227, 418-426.	2.3	116
66	Coordinate reciprocal trends in glycolytic and mitochondrial transcript accumulations during the in vitro differentiation of human myoblasts. Journal of Cellular Physiology, 1990, 142, 566-573.	2.0	106
67	Effect of heavy-resistance exercise training on muscle fiber composition in young rats. Journal of Applied Physiology, 1990, 69, 434-437.	1.2	72
68	Role of cell type in net lactate removal by skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 1990, 258, E635-E642.	1.8	33
69	Gender differences in substrate for endurance exercise. Journal of Applied Physiology, 1990, 68, 302-308.	1.2	385
70	Energetic cost of standard activities in Gurkha and British soldiers. Annals of Human Biology, 1990, 17, 133-144.	0.4	26
71	Genetic mechanisms that determine oxidative capacity of striated muscles. Control of gene transcription.. Circulation, 1990, 82, 319-331.	1.6	11
72	Training-induced alterations in muscle glycogen utilization in fibre-specific types during prolonged exercise. Canadian Journal of Physiology and Pharmacology, 1990, 68, 1372-1376.	0.7	17
73	Exercise standards. A statement for health professionals from the American Heart Association.. Circulation, 1990, 82, 2286-2322.	1.6	396
74	Muscle fibre type and aetiology of obesity. Lancet, The, 1990, 335, 805-808.	6.3	231
75	Cellular and molecular diversities of mammalian skeletal muscle fibers. Reviews of Physiology, Biochemistry and Pharmacology, 1990, 116, 1-76.	0.9	354

#	Article	IF	Citations
76	Glycogen repletion and exercise endurance in rats adapted to a high fat diet. Metabolism: Clinical and Experimental, 1990, 39, 289-294.	1.5	48
77	Exercise training increases glucose transporter protein GLUT-4 in skeletal muscle of obese Zucker (fa/fa) rats. FEBS Letters, 1990, 268, 13-16.	1.3	139
78	Preoperative cardiopulmonary exercise testing: Determining the limit to exercise and predicting outcome after thoracotomy. Journal of Cardiothoracic and Vascular Anesthesia, 1991, 5, 614-626.	0.6	7
79	Plasma Glucose Metabolism During Exercise in Humans. Sports Medicine, 1991, 11, 102-124.	3.1	92
80	Carbohydrates and exercise. Journal of Sports Sciences, 1991, 9, 17-28.	1.0	26
81	Effect of exercise on protein requirements. Journal of Sports Sciences, 1991, 9, 53-70.	1.0	61
82	The Need for Carbohydrate Intake During Endurance Exercise. Sports Medicine, 1991, 12, 349-358.	3.1	5
83	Pediatric Cardiac Rehabilitation. JAMA Pediatrics, 1991, 145, 627.	3.6	11
84	Modeling: optimal marathon performance on the basis of physiological factors. Journal of Applied Physiology, 1991, 70, 683-687.	1.2	221
85	Molecular and cellular adaptation of muscle in response to exercise: perspectives of various models. Physiological Reviews, 1991, 71, 541-585.	13.1	614
86	Early muscular and metabolic adaptations to prolonged exercise training in humans. Journal of Applied Physiology, 1991, 70, 2032-2038.	1.2	101
87	Functional and metabolic consequences of skeletal muscle remodeling in hypothyroidism. American Journal of Physiology - Endocrinology and Metabolism, 1991, 260, E272-E279.	1.8	15
88	Increased activities of mitochondrial enzymes in white adipose tissue in trained rats. American Journal of Physiology - Endocrinology and Metabolism, 1991, 261, E410-E414.	1.8	69
89	Exercise metabolism at different time intervals after a meal. Journal of Applied Physiology, 1991, 70, 882-888.	1.2	112
90	Carbohydrate Feedings: Effects on Metabolism, Performance and Recovery. Medicine and Sport Science, 1991, 32, 1-14.	1.4	10
91	Effects of explosive type strength training on physical performance characteristics in cross-country skiers. European Journal of Applied Physiology and Occupational Physiology, 1991, 62, 251-255.	1.2	39
92	Early adaptations in gas exchange, cardiac function and haematology to prolonged exercise training in man. European Journal of Applied Physiology and Occupational Physiology, 1991, 63, 17-23.	1.2	38
93	Early adaptations in blood substrates, metabolites, and hormones to prolonged exercise training in man. Canadian Journal of Physiology and Pharmacology, 1991, 69, 1222-1229.	0.7	33

#	Article	IF	Citations
94	Changes of protein metabolism in skeletal muscle in response to endurance training. Research in Sports Medicine, 1991, 3, 55-64.	0.0	1
95	Exercise in the treatment of intermittent claudication due to peripheral arterial disease. Vascular Medicine Review, 1991, vmr-2, 61-70.	0.2	6
96	Electrically evoked myoelectric signals of back muscles: Effect of side dominance. , 1992, , .		2
97	Skeletal muscle failure in heart failure.. Circulation, 1992, 85, 1621-1623.	1.6	52
98	Alterations of skeletal muscle in chronic heart failure.. Circulation, 1992, 85, 1751-1759.	1.6	700
99	Translation rates of isolated liver mitochondria under conditions of hepatic mitochondrial proliferation. Biochemical Journal, 1992, 288, 175-180.	1.7	5
100	Skeletal Muscle Function, Morphology, and Metabolism in Patients with Congestive Heart Failure. Chest, 1992, 101, 333S-339S.	0.4	42
101	Carbohydrate Supplementation during Exercise. Medicine and Sport Science, 1992, 37, 356-363.	1.4	1
102	Effect of Chronic Hypoxia on Skeletal Muscle Fiber Typein Adult Male Rats. The Annals of Physiological Anthropology, 1992, 11, 625-630.	0.1	8
103	Muscle triglyceride metabolism during exercise. Canadian Journal of Physiology and Pharmacology, 1992, 70, 123-131.	0.7	62
104	Mitochondrial metabolism of cardiac and skeletal muscles from a fast (Katsuwonus pelamis) and a slow (Cyprinus carpio) fish. Canadian Journal of Zoology, 1992, 70, 1246-1253.	0.4	108
105	Insulin resistance: an adaptation for weight maintenance. Lancet, The, 1992, 340, 1452-1453.	6.3	170
106	Mitochondrial DNA deletions and cytochrome c oxidase deficiency in muscle fibres. Journal of the Neurological Sciences, 1992, 110, 169-177.	0.3	61
107	Aging and Muscle Function. Sports Medicine, 1992, 14, 376-396.	3.1	146
108	Effects of running training on the blood glucose and lactate in rats during rest and swimming. Physiology and Behavior, 1992, 51, 927-931.	1.0	14
109	High intensity exercise training-induced metabolic alterations in respiratory muscles. Respiration Physiology, 1992, 89, 169-177.	2.8	31
110	Diaphragmatic fiber type specific adaptation to endurance exercise. Respiration Physiology, 1992, 89, 195-207.	2.8	40
111	Effects of exercise and food restriction on rat skeletal muscles. Tissue and Cell, 1992, 24, 491-498.	1.0	14

#	Article	IF	Citations
112	Respiratory chain enzymes in muscle of endurance athletes: Effect of L-carnitine. Biochemical and Biophysical Research Communications, 1992, 188, 102-107.	1.0	40
113	Carbohydrate Supplementation during Exercise. Journal of Nutrition, 1992, 122, 788-795.	1.3	34
114	Altitude acclimatization and energy metabolic adaptations in skeletal muscle during exercise. Journal of Applied Physiology, 1992, 73, 2701-2708.	1.2	85
115	Metabolic adaptations to training precede changes in muscle mitochondrial capacity. Journal of Applied Physiology, 1992, 72, 484-491.	1.2	128
116	Skeletal muscle adaptations to endurance training in 60- to 70-yr-old men and women. Journal of Applied Physiology, 1992, 72, 1780-1786.	1.2	393
117	Role of O2 in regulating tissue respiration in dog muscle working in situ. Journal of Applied Physiology, 1992, 73, 728-736.	1.2	153
118	Effects of training on lactate production and removal during progressive exercise in humans. Journal of Applied Physiology, 1992, 72, 1649-1656.	1.2	149
119	Glucose transporters and maximal transport are increased in endurance-trained rat soleus. Journal of Applied Physiology, 1992, 73, 486-492.	1.2	68
120	Physiological effects of tapering in highly trained athletes. Journal of Applied Physiology, 1992, 72, 706-711.	1.2	142
121	Effects of endurance training at high altitude on diaphragm muscle properties. Pflugers Archiv European Journal of Physiology, 1992, 422, 239-244.	1.3	14
122	Enzymatic profile of fibers of the human triceps surae muscle during local endurance training (quantitative histochemical study). Bulletin of Experimental Biology and Medicine, 1992, 113, 575-577.	0.3	0
123	Phosphorus-31 magnetic resonance spectroscopy of forearm flexor muscles in student rowers using an exercise protocol adjusted for differences in cross-sectional muscle area. European Journal of Applied Physiology and Occupational Physiology, 1992, 64, 528-533.	1.2	10
124	The effects of a reduced exercise duration taper programme on performance and muscle enzymes of endurance cyclists. European Journal of Applied Physiology and Occupational Physiology, 1992, 65, 30-36.	1.2	51
125	Effects of exercise training and anabolic steroids on plantaris and soleus phospholipids: A 31P nuclear magnetic resonance study. International Journal of Biochemistry & Cell Biology, 1993, 25, 337-347.	0.8	18
126	Modulation of glycogen metabolism of rat skeletal muscles by endurance training and testosterone treatment. Pflugers Archiv European Journal of Physiology, 1993, 424, 294-300.	1.3	19
127	Lactate disposal in resting trained and untrained forearm skeletal muscle during high intensity leg exercise. European Journal of Applied Physiology and Occupational Physiology, 1993, 67, 360-366.	1.2	8
128	Metabolic adaptation to daily exercise of moderate intensity to exhaustion in the rat. European Journal of Applied Physiology and Occupational Physiology, 1993, 67, 77-82.	1.2	5
129	Comparison of muscle sympathetic nerve activity during exercise in dominant and nondominant forearm. European Journal of Applied Physiology and Occupational Physiology, 1993, 66, 108-115.	1.2	16

#	Article	IF	Citations
130	Triiodothyronine, Î²-adrenergic receptors, agonist responses, and exercise capacity. Annals of Thoracic Surgery, 1993, 56, S24-S34.	0.7	14
133	Maintenance of Strength Gains While Performing Endurance Training in Oarswomen. Applied Physiology, Nutrition, and Metabolism, 1993, 18, 104-115.	1.7	14
134	Metabolic Adaptations to Endurance Training in Older Individuals. Applied Physiology, Nutrition, and Metabolism, 1993, 18, 366-378.	1.7	15
135	The specific nature of training on muscle: A review. Research in Sports Medicine, 1993, 4, 79-98.	0.0	2
136	Chronic changes in skeletal muscle histology and function in peripheral arterial disease.. Circulation, 1993, 87, 413-421.	1.6	248
137	Exercise conditioning in older coronary patients. Submaximal lactate response and endurance capacity.. Circulation, 1993, 88, 572-577.	1.6	93
138	Exercise in patients with chronic obstructive pulmonary disease.. Thorax, 1993, 48, 936-946.	2.7	74
139	Effect of Chronic Hypoxia on Oxidative Enzyme Activity in Rat Skeletal Muscle.. The Annals of Physiological Anthropology, 1993, 12, 363-369.	0.1	11
140	Histochemical and Physiological Correlates of Training- and Detraining-Induced Changes in the Recovery From a Fatigue Test. Physical Therapy, 1993, 73, 661-667.	1.1	16
141	Postoperative Improvement in Blood Lactate Threshold during Exercise in a Patient With Pulmonary Arteriovenous Fistula. Chest, 1993, 103, 289-291.	0.4	3
142	Protein binding to a single termination-associated sequence in the mitochondrial DNA D-loop region.. Molecular and Cellular Biology, 1993, 13, 2162-2171.	1.1	96
143	Differences in cardiovascular adaptations to endurance exercise training between older men and women. Journal of Applied Physiology, 1993, 75, 849-855.	1.2	193
144	Muscle metabolism during exercise in young and older untrained and endurance-trained men. Journal of Applied Physiology, 1993, 75, 2125-2133.	1.2	149
145	Effect of prolonged exercise on muscle citrate concentration before and after endurance training in men. American Journal of Physiology - Endocrinology and Metabolism, 1993, 264, E215-E220.	1.8	26
146	Blood glucose turnover during exercise above and below the lactate threshold. Journal of Applied Physiology, 1993, 74, 2613-2614.	1.2	0
147	Effects of training and immobilization on VO2 and DO2 in dog gastrocnemius muscle in situ. Journal of Applied Physiology, 1993, 74, 1697-1703.	1.2	63
148	Types of Exercise. Cardiology Clinics, 1993, 11, 297-308.	0.9	8
149	Special Populations in Cardiovascular Rehabilitation. Cardiology Clinics, 1993, 11, 309-321.	0.9	5

#	Article	IF	Citations
150	Fat metabolism during low-intensity exercise in endurance-trained and untrained men. American Journal of Physiology - Endocrinology and Metabolism, 1994, 267, E934-E940.	1.8	99
151	Ten days of exercise training reduces glucose production and utilization during moderate-intensity exercise. American Journal of Physiology - Endocrinology and Metabolism, 1994, 266, E136-E143.	1.8	35
152	Effects of endurance training on total fat oxidation in elderly persons. Journal of Applied Physiology, 1994, 76, 2281-2287.	1.2	80
153	Balance of carbohydrate and lipid utilization during exercise: the "crossover" concept. Journal of Applied Physiology, 1994, 76, 2253-2261.	1.2	648
154	Superiority of treadmill walking exercise versus strength training for patients with peripheral arterial disease. Implications for the mechanism of the training response.. Circulation, 1994, 90, 1866-1874.	1.6	329
155	Peripheral circulatory adaptations to pump failure of the heart. Heart, 1994, 72, S22-S27.	1.2	4
156	Physiological Effects of Deep Water Running following a Land-Based Training Program. Research Quarterly for Exercise and Sport, 1994, 65, 386-389.	0.8	20
157	Comparison of effects of two interval-training programmes on lactate and ventilatory thresholds.. British Journal of Sports Medicine, 1994, 28, 18-21.	3.1	47
158	Lack of association between fibromyalgia syndrome and abnormalities in muscle energy metabolism. Arthritis and Rheumatism, 1994, 37, 794-800.	6.7	125
159	The ventilation, lactate and electromyographic thresholds during incremental exercise tests in normoxia, hypoxia and hyperoxia. European Journal of Applied Physiology and Occupational Physiology, 1994, 69, 110-118.	1.2	36
160	Jogging or walkingâ€"Comparison of health effects. Annals of Epidemiology, 1994, 4, 375-381.	0.9	43
161	ATP synthesis kinetic properties of mitochondria isolated from the rat extensor digitorum longus muscle depleted of creatine with Î²-guanidinopropionic acid. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1186, 232-236.	0.5	15
162	Influence of endurance training on the age-related decline in hepatic glyconeogenesis. Mechanisms of Ageing and Development, 1994, 75, 81-93.	2.2	22
164	Effects of Cross-Training. Sports Medicine, 1994, 18, 330-339.	3.1	61
165	Body fat deposition: effects of dietary fat and two exercise protocols.. Journal of the American College of Nutrition, 1994, 13, 601-607.	1.1	6
166	Nutritional State and Exercise Tolerance in Patients With COPD. Chest, 1995, 107, 1206-1212.	0.4	97
168	Determinants of insulin-stimulated skeletal muscle glycogen metabolism in man. European Journal of Clinical Investigation, 1995, 25, 693-698.	1.7	11
169	Mitochondrial ATP production rate in 55 to 73â€yearâ€old men: effect of endurance training. Acta Physiologica Scandinavica, 1995, 154, 269-274.	2.3	34

#	Article	IF	Citations
170	Effects of endurance training on lactate removal by oxidation and gluconeogenesis during exercise. Pflugers Archiv European Journal of Physiology, 1995, 430, 964-970.	1.3	35
171	The effect of betaâ€blockade therapy on the response to exercise training in postmyocardial infarction patients. Clinical Cardiology, 1995, 18, 716-720.	0.7	13
172	Mitochondria changes in human muscle after prolonged exercise, endurance training and selenium supplementation. European Journal of Applied Physiology and Occupational Physiology, 1995, 71, 505-511.	1.2	21
173	Role of decreased carbohydrate oxidation on slower rises in ventilation with increasing exercise intensity after training. European Journal of Applied Physiology and Occupational Physiology, 1995, 71, 523-529.	1.2	45
174	Relationships between muscle carnitine, age and oxidative status. European Journal of Applied Physiology and Occupational Physiology, 1995, 71, 143-146.	1.2	7
175	Muscle GSH-Px activity after prolonged exercise, training, and selenium supplementation. Biological Trace Element Research, 1995, 47, 279-285.	1.9	23
176	Lactato sangÃ¼Ãneo em provas combinadas e isoladas do triatlo: possÃveis implicaÃ§Ãµes para o desempenho. Revista Paulista De EducaÃ§Ã£o FÃsica, 1995, 9, 125.	0.0	0
177	Increased muscle carnitine palmitoyltransferase II mRNA after increased contractile activity. American Journal of Physiology - Endocrinology and Metabolism, 1995, 268, E277-E281.	1.8	10
178	Decreased glucose turnover after short-term training is unaccompanied by changes in muscle oxidative potential. American Journal of Physiology - Endocrinology and Metabolism, 1995, 269, E222-E230.	1.8	10
179	Adaptations in muscle metabolism to prolonged voluntary exercise and training. Journal of Applied Physiology, 1995, 78, 138-145.	1.2	74
180	Progressive effect of endurance training on VO2 kinetics at the onset of submaximal exercise. Journal of Applied Physiology, 1995, 79, 1914-1920.	1.2	180
181	Effect of training and nutrition on the development of skeletal muscle. Journal of Sports Sciences, 1995, 13, S25-S30.	1.0	8
182	Strength and Aerobic Training Attenuate Muscle Wasting and Improve Resistance to the Development of Disability With Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 1995, 50A, 113-119.	1.7	65
183	Exercise Prescription for Physical Fitness. Quest, 1995, 47, 320-337.	0.8	14
184	Applied Physiology of Triathlon. Sports Medicine, 1995, 19, 251-267.	3.1	88
185	Inhibition of citrate lyase may aid aerobic endurance. Medical Hypotheses, 1995, 45, 247-254.	0.8	15
186	Energetic status and mitochondrial oxidative capacity of rat skeletal muscle in response to creatine analogue ingestion. Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1228, 211-215.	0.5	24
187	Metabolic adaptations to short-term training are expressed early in submaximal exercise. Canadian Journal of Physiology and Pharmacology, 1995, 73, 474-482.	0.7	42

#	Article	IF	Citations
188	Effects of exercise training in patients with congestive heart failure: A critical review. Journal of the American College of Cardiology, 1995, 25, 789-796.	1.2	165
189	Physical training in patients with stable chronic heart failure: Effects on cardiorespiratory fitness and ultrastructural abnormalities of leg muscles. Journal of the American College of Cardiology, 1995, 25, 1239-1249.	1.2	514
190	Low intensity exercise training in patients with chronic heart failure. Journal of the American College of Cardiology, 1995, 26, 975-982.	1.2	283
191	Influence of Exercise on Insulin Sensitivity. European Journal of Cardiovascular Prevention and Rehabilitation, 1995, 2, 303-309.	3.1	28
193	THE ANTIATHEROSCLEROTIC EFFECT OF EXERCISE AND DEVELOPMENT OF AN EXERCISE PRESCRIPTION. Cardiology Clinics, 1996, 14, 85-95.	0.9	18
194	Metabolic Response of Forearm Muscle to Graded Exercise in Type II Diabetes Mellitus: Effect of Endurance Training. Applied Physiology, Nutrition, and Metabolism, 1996, 21, 120-133.	1.7	5
195	Maximal Accumulated Oxygen Deficit of Resistance-Trained Men. Applied Physiology, Nutrition, and Metabolism, 1996, 21, 391-402.	1.7	11
197	Relationship Between Fiber Capillarization and Mitochondrial Volume Density in Control and Trained Rat Soleus and Plantaris Muscles. Microcirculation, 1996, 3, 175-186.	1.0	93
199	Medium-term effectiveness of L-thyroxine treatment in idiopathic dilated cardiomyopathy. American Journal of Medicine, 1996, 101, 461-467.	0.6	128
201	Role of Skeletal Muscle in the Syndrome of Chronic Heart Failure. Journal of Molecular and Cellular Cardiology, 1996, 28, 2275-2285.	0.9	34
202	Mitochondrial oxidative phosphorylation changes in the life span. Molecular aspects and physiopathological implications. Biochimica Et Biophysica Acta - Bioenergetics, 1996, 1276, 87-105.	0.5	238
203	Mitochondrial Biogenesis in Skeletal Muscle in Response to Endurance Exercises. Archives of Physiology and Biochemistry, 1996, 104, 129-141.	1.0	55
204	Exercise limitation in chronic heart failure: Central role of the periphery. Journal of the American College of Cardiology, 1996, 28, 1092-1102.	1.2	464
205	Effect of physical training on mitochondrial function in skeletal muscle of normal and diabetic rats. Metabolism: Clinical and Experimental, 1996, 45, 810-816.	1.5	22
206	Effect of endurance training on glycerol kinetics during strenuous exercise in humans. Metabolism: Clinical and Experimental, 1996, 45, 357-361.	1.5	30
209	Regulation of Carbohydrate and Fat Metabolism During and After Exercise. Annual Review of Nutrition, 1996, 16, 121-138.	4.3	91
210	Effects of training duration on substrate turnover and oxidation during exercise. Journal of Applied Physiology, 1996, 81, 2182-2191.	1.2	230
211	Effect of Endurance Training under Hypoxic Condition on Oxidative Enzyme Activity in Rat Skeletal Muscle.. Applied Human Science: Journal of Physiological Anthropology, 1996, 15, 111-114.	0.2	14

#	Article	IF	Citations
212	Cytochrome c mRNA in skeletal muscles of immobilized limbs. Journal of Applied Physiology, 1996, 81, 1941-1945.	1.2	21
213	Increased contractile activity decreases RNA-protein interaction in the 3'-UTR of cytochrome c mRNA. American Journal of Physiology - Cell Physiology, 1996, 271, C1157-C1166.	2.1	23
214	Effect of exercise training on skeletal muscle histology and metabolism in peripheral arterial disease. Journal of Applied Physiology, 1996, 81, 780-788.	1.2	200
215	Progressive effect of endurance training on metabolic adaptations in working skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 1996, 270, E265-E272.	1.8	118
216	Effect of age on in vivo rates of mitochondrial protein synthesis in human skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15364-15369.	3.3	506
217	Exercise increases fat oxidation at rest unrelated to changes in energy balance or lipolysis. American Journal of Physiology - Endocrinology and Metabolism, 1996, 270, E1009-E1014.	1.8	28
218	Isometric force and maximal shortening velocity of single muscle fibers from elite master runners. American Journal of Physiology - Cell Physiology, 1996, 271, C666-C675.	2.1	92
219	Activation of a novel metabolic gene regulatory pathway by chronic stimulation of skeletal muscle. American Journal of Physiology - Cell Physiology, 1996, 270, C1413-C1420.	2.1	61
220	Muscle tissue adaptations of high-altitude natives to training in chronic hypoxia or acute normoxia. Journal of Applied Physiology, 1996, 81, 1946-1951.	1.2	71
221	Skeletal Muscle Metabolism as a Target for Drug Therapy in Peripheral Arterial Disease. Vascular Medicine, 1996, 1, 55-59.	0.8	29
222	An adjustable-current swimming pool for the evaluation of endurance capacity of mice. Journal of Applied Physiology, 1996, 81, 1843-1849.	1.2	120
225	Mitochondrial Protein Content and in Vivo Synthesis Rates in Skeletal Muscle from Critically Ill Rats. Clinical Science, 1996, 91, 475-481.	1.8	29
226	Cardiac metabolism in high performance fish. Comparative Biochemistry and Physiology A, Comparative Physiology, 1996, 113, 69-75.	0.7	23
227	Regulation of glucose transport into skeletal muscle. Reviews of Physiology, Biochemistry and Pharmacology, 1996, 128, 99-193.	0.9	105
228	Lactate kinetics during passive and partially active recovery in endurance and sprint athletes. European Journal of Applied Physiology and Occupational Physiology, 1996, 73, 465-470.	1.2	80
229	Skeletal muscle buffering capacity and endurance performance after high-intensity interval training by well-trained cyclists. European Journal of Applied Physiology, 1996, 75, 7-13.	1.2	185
230	Improvement of muscular oxidative capacity by training is associated with slight acidosis and ATP depletion in exercising muscles. , 1996, 19, 355-361.		12
231	Effects of physical training on fatty acid metabolism in liver and skeletal muscle of rats fed four different high-carbohydrate diets. Journal of Nutritional Biochemistry, 1996, 7, 348-355.	1.9	8

#	Article	IF	Citations
232	Adaptation to Training and Performance in Elite Athletes. Research Quarterly for Exercise and Sport, 1996, 67, S-29-S-36.	0.8	11
234	Skeletal muscle adaptation to endurance training in patients with chronic obstructive pulmonary disease.. American Journal of Respiratory and Critical Care Medicine, 1996, 154, 442-447.	2.5	462
235	Effects of alterations in dietary carbohydrate intake on running performance during a 10 km treadmill time trial.. British Journal of Sports Medicine, 1996, 30, 226-231.	3.1	12
236	Comparison of Blood Lactate Concentrations Obtained During Incremental and Constant Intensity Exercise. International Journal of Sports Medicine, 1996, 17, 360-365.	0.8	31
237	A Review of Recent Research on Nutrition and Metabolism in the Athletic Horse. Nutrition Research Reviews, 1996, 9, 149-173.	2.1	16
238	Skeletal Muscle Function. , 1997, , 407-440.		28
239	Metabolic abnormality of calf skeletal muscle is improved by localised muscle training without changes in blood flow in chronic heart failure. Heart, 1997, 78, 437-443.	1.2	39
240	Nutritional strategies for promoting fat utilization and delaying the onset of fatigue during prolonged exercise. Journal of Sports Sciences, 1997, 15, 315-324.	1.0	41
241	Iron depletion without anemia and physical performance in young women. American Journal of Clinical Nutrition, 1997, 66, 334-341.	2.2	97
242	Dangerous Curves. Chest, 1997, 111, 787-795.	0.4	174
244	New Surgical Technique for Treatment of Extraarticular Knee Ankylosis. Clinical Orthopaedics and Related Research, 1997, 337, 172-179.	0.7	4
245	Exercise training in COPD patients: the basic questions. European Respiratory Journal, 1997, 10, 2884-2891.	3.1	66
246	Genetics, Response to Exercise, and Risk Factors: The HERITAGE Family Study. , 1997, 81, 72-83.		12
247	Exercise Testing and Exercise Rehabilitation for Patients with Peripheral Arterial Disease: Status in 1997. Vascular Medicine, 1997, 2, 147-155.	0.8	52
248	LOSS OF CARDIOVASCULAR ADAPTATIONS AFTER PHYSICAL INACTIVITY. Cardiology Clinics, 1997, 15, 431-438.	0.9	8
249	Walking to Health. Sports Medicine, 1997, 23, 306-332.	3.1	518
250	Training techniques to improve fatigue resistance and enhance endurance performance. Journal of Sports Sciences, 1997, 15, 325-333.	1.0	95
251	Mammalian Skeletal Muscle Fiber Type Transitions. International Review of Cytology, 1997, 170, 143-223.	6.2	527

#	Article	IF	Citations
252	Training-induced alterations of glucose flux in men. Journal of Applied Physiology, 1997, 82, 1360-1369.	1.2	108
253	Physical Activity in the Prevention and Management of Obesity. , 1997, 82, 219-228.		3
254	AvaliaÃ§Ã£o funcional multivariada em jogadores de futebol profissional - uma metanÃ¡lise. Acta FisiÃ¡trica, 1997, 4, 65.	0.0	4
255	Skeletal muscle biochemical adaptations to exercise training in miniature swine. Journal of Applied Physiology, 1997, 82, 1862-1868.	1.2	31
256	Effect of acute plasma volume expansion on substrate turnover during prolonged low-intensity exercise. American Journal of Physiology - Endocrinology and Metabolism, 1997, 273, E297-E304.	1.8	4
257	Effect of endurance exercise training on muscle glycogen supercompensation in rats. Journal of Applied Physiology, 1997, 82, 711-715.	1.2	82
258	Exogenous glucose oxidation during exercise in endurance-trained and untrained subjects. Journal of Applied Physiology, 1997, 82, 835-840.	1.2	62
259	Nitric oxide and vasodilation in human limbs. Journal of Applied Physiology, 1997, 83, 1785-1796.	1.2	147
260	Enlargement of glycogen store in rat liver and muscle by fructose-diet intake and exercise training. Journal of Applied Physiology, 1997, 82, 772-775.	1.2	41
261	IMPORTANCE OF THE 'CROSSOVER' CONCEPT IN EXERCISE METABOLISM. Clinical and Experimental Pharmacology and Physiology, 1997, 24, 889-895.	0.9	77
262	THE GLUCOSE CROSSOVER CONCEPT IS NOT AN IMPORTANT NEW CONCEPT IN EXERCISE METABOLISM. Clinical and Experimental Pharmacology and Physiology, 1997, 24, 896-900.	0.9	11
263	Effects of Endurance Training on Skeletal Muscle Oxidative Capacities with and without Selenium Supplementation. Journal of Trace Elements in Medicine and Biology, 1997, 11, 37-43.	1.5	28
264	Metabolic and performance adaptations to interval training in endurance-trained cyclists. European Journal of Applied Physiology, 1997, 75, 298-304.	1.2	98
265	Arterial blood pressure and forearm vascular conductance responses to sustained and rhythmic isometric exercise and arterial occlusion in trained rock climbers and untrained sedentary subjects. European Journal of Applied Physiology, 1997, 76, 174-180.	1.2	108
266	Exercise and its role in the prevention and rehabilitation of cardiovascular disease. Annals of Behavioral Medicine, 1997, 19, 220-229.	1.7	131
267	Time-dependent increase of succinate dehydrogenase activity in low-frequency stimulated rabbit muscle: a comparison between microphotometric and biochemical methods. Histochemistry and Cell Biology, 1997, 107, 47-55.	0.8	16
268	The effect of exercise and restraint on pectoral muscle metabolism in pigeons. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1997, 167, 197-203.	0.7	12
269	Muscle uptake of vitamin E and its association with muscle fiber type. Journal of Nutritional Biochemistry, 1997, 8, 74-78.	1.9	20

#	Article	IF	Citations
270	Dietary protein requirements in athletes. Journal of Nutritional Biochemistry, 1997, 8, 52-60.	1.9	34
271	Adaptation of myoglobin in compensatory hypertrophied rat muscle. Acta Physiologica Scandinavica, 1997, 160, 327-331.	2.3	6
272	Hepatic mitochondrial proliferation in rats with secondary biliary cirrhosis: Time course and mechanisms. Hepatology, 1997, 26, 386-391.	3.6	14
273	Cation pumps in skeletal muscle: potential role in muscle fatigue.. Acta Physiologica Scandinavica, 1998, 162, 201-213.	2.3	50
274	Lactate et activitÃ© physique. Revue Francaise Des Laboratoires, 1998, 1998, 149-154.	0.0	0
275	Mammalian fuel utilization during sustained exercise. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 120, 89-107.	0.7	199
276	A five year physiological case study of an Olympic runner. British Journal of Sports Medicine, 1998, 32, 39-43.	3.1	105
277	Effects of a Soft Diet and Hypothyroidism on the Oxidative Capacity of the Masseter Muscle Fibers of the Young Japanese Field VoleMicrotus montebelli. Zoological Science, 1998, 15, 97-102.	0.3	2
278	Fibre types in breast and leg muscles of hand-reared and wild grey partridge (Perdix perdix). Canadian Journal of Zoology, 1998, 76, 236-242.	0.4	11
279	The Role of Glucose in the Regulation of Substrate Interaction During Exercise. Applied Physiology, Nutrition, and Metabolism, 1998, 23, 558-569.	1.7	4
280	A calcineurin-dependent transcriptional pathway controls skeletal muscle fiber type. Genes and Development, 1998, 12, 2499-2509.	2.7	883
281	The Effects of Strength Training and Disuse on the Mechanisms of Fatigue. Sports Medicine, 1998, 25, 173-189.	3.1	24
282	Impact of Resistance Training on Endurance Performance. Sports Medicine, 1998, 25, 191-200.	3.1	135
284	Effects of aerobic training in patients with mitochondrial myopathies. Neurology, 1998, 50, 1055-1060.	1.5	134
285	The Role of Carnitine and Carnitine Supplementation During Exercise in Man and in Individuals with Special Needs. Journal of the American College of Nutrition, 1998, 17, 207-215.	1.1	54
286	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
287	Effects of Muscle Electrical Stimulation on Peak VO2in Cardiac Transplant Patients. International Journal of Sports Medicine, 1998, 19, 317-322.	0.8	44
288	Erythropoietin (rHuEPO) Doping: Effects of Exercise on Anaerobic Metabolism in Rats. International Journal of Sports Medicine, 1998, 19, 281-286.	0.8	15

#	Article	IF	Citations
289	The human endurance athlete: heterogeneity and adaptability of selected exercise and skeletal muscle characteristics. South African Journal of Zoology, 1998, 33, 129-140.	0.5	1
290	Influences of Low Intensity Exercise on Body Composition, Food Intake and Aerobic Power of Sedentary Young Females.. Applied Human Science: Journal of Physiological Anthropology, 1998, 17, 259-266.	0.2	10
291	EFFECTS OF AGING AND VOLUNTARY EXERCISE ON THE FUNCTION OF DYSTROPHIC MUSCLE FROM mdx MICE. American Journal of Physical Medicine and Rehabilitation, 1998, 77, 20-27.	0.7	70
292	Fibromyalgia Is Not a Muscle Disorder. American Journal of the Medical Sciences, 1998, 315, 346-350.	0.4	18
293	Influence of diet on the metabolic responses to exercise. Proceedings of the Nutrition Society, 1998, 57, 25-33.	0.4	33
294	Use of endogenous carbohydrate and fat as fuels during exercise. Proceedings of the Nutrition Society, 1998, 57, 49-54.	0.4	19
295	Exercise and obesity. Proceedings of the Nutrition Society, 1998, 57, 85-91.	0.4	17
296	Exercise prescription for weight management. Proceedings of the Nutrition Society, 1998, 57, 93-103.	0.4	26
297	Gender differences in fat oxidation and sympathetic nervous system activity at rest and during submaximal exercise in older individuals. Clinical Science, 1998, 95, 59-66.	1.8	35
298	Gender differences in fat oxidation and sympathetic nervous system activity at rest and during submaximal exercise in older individuals. Clinical Science, 1998, 95, 59.	1.8	16
299	Hypertrophy of rat plantaris muscle fibers after voluntary running with increasing loads. Journal of Applied Physiology, 1998, 84, 2183-2189.	1.2	81
300	Effects of short-term submaximal training in humans on muscle metabolism in exercise. American Journal of Physiology - Endocrinology and Metabolism, 1998, 275, E132-E139.	1.8	74
301	Fuel metabolism in men and women during and after long-duration exercise. Journal of Applied Physiology, 1998, 85, 1823-1832.	1.2	298
302	The regulation of carbohydrate and fat metabolism during and after exercise. Frontiers in Bioscience - Landmark, 1998, 3, d1011-1027.	3.0	142
303	Effects of emphysema on diaphragm blood flow during exercise. Journal of Applied Physiology, 1998, 84, 971-979.	1.2	20
304	Pulmonary emphysema decreases hamster skeletal muscle oxidative enzyme capacity. Journal of Applied Physiology, 1998, 85, 210-214.	1.2	38
305	Regulation of muscle glycogenolytic flux during intense aerobic exercise after caffeine ingestion. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R596-R603.	0.9	37
306	Effects of exercise intensity and training on lipid metabolism in young women. American Journal of Physiology - Endocrinology and Metabolism, 1998, 275, E853-E863.	1.8	98

#	Article	IF	Citations
307	Differential responses to endurance training in subsarcolemmal and intermyofibrillar mitochondria. Journal of Applied Physiology, 1998, 85, 1279-1284.	1.2	92
308	HSP70 expression in the CNS in response to exercise and heat stress in rats. Journal of Applied Physiology, 1998, 84, 1269-1277.	1.2	36
309	Regulation of fatty acid oxidation in untrained vs. trained men during exercise. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E510-E515.	1.8	43
310	Training-induced alterations in fat and carbohydrate metabolism during exercise in elderly subjects. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E785-E790.	1.8	47
311	Identical responses of fast muscle to sustained activity by low-frequency stimulation in young and aging rats. Journal of Applied Physiology, 1998, 85, 437-441.	1.2	27
312	Human skeletal muscle carnitine palmitoyltransferase I activity determined in isolated intact mitochondria. Journal of Applied Physiology, 1998, 85, 148-153.	1.2	88
313	Influence of acclimation temperature on mitochondrial DNA, RNA, and enzymes in skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R905-R912.	0.9	53
314	Regulation of fiber size, oxidative potential, and capillarization in human muscle by resistance exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R591-R596.	0.9	96
315	Effect of short-term training on mitochondrial ATP production rate in human skeletal muscle. Journal of Applied Physiology, 1999, 86, 450-454.	1.2	60
316	African runners exhibit greater fatigue resistance, lower lactate accumulation, and higher oxidative enzyme activity. Journal of Applied Physiology, 1999, 86, 915-923.	1.2	79
317	Human muscle performance and PCr hydrolysis with varied inspired oxygen fractions: a³¹P-MRS study. Journal of Applied Physiology, 1999, 86, 1367-1373.	1.2	228
318	Endurance exercise training does not alter lipolytic or adipose tissue blood flow sensitivity to epinephrine. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E325-E331.	1.8	18
319	High-resistance training and muscle metabolism during prolonged exercise. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E489-E496.	1.8	26
320	Oxidation of an oral [13C]glucose load at rest and prolonged exercise in trained and sedentary subjects. Journal of Applied Physiology, 1999, 86, 52-60.	1.2	29
321	Lactate kinetics at rest and during exercise in lambs with aortopulmonary shunts. Journal of Applied Physiology, 1999, 86, 832-839.	1.2	0
322	Acute plasma volume expansion: effect on metabolism during submaximal exercise. Journal of Applied Physiology, 1999, 87, 1202-1206.	1.2	6
323	Explosive-strength training improves 5-km running time by improving running economy and muscle power. Journal of Applied Physiology, 1999, 86, 1527-1533.	1.2	526
324	A importÃ¢ncia do limiar anaerÃ³bio e do consumo mÃ¡ximo de oxigÃªnio (VO2 mÃ¡x.) em jogadores de futebol. Revista Brasileira De Medicina Do Esporte, 1999, 5, 225-232.	0.1	13

#	Article	IF	Citations
325	Effect of training status on fuel selection during submaximal exercise with glucose ingestion. Journal of Applied Physiology, 1999, 87, 1413-1420.	1.2	86
326	Initial aerobic power does not alter muscle metabolic adaptations to short-term training. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E39-E48.	1.8	37
327	Skeletal muscle phosphocreatine recovery in exercise-trained humans is dependent on O₂availability. Journal of Applied Physiology, 1999, 86, 2013-2018.	1.2	260
328	Muscle Structure with Low- and High-Fat Diets in Well-Trained Male Runners. International Journal of Sports Medicine, 1999, 20, 522-526.	0.8	41
329	Effect of 6 weeks of endurance training on the lactate minimum speed. Journal of Sports Sciences, 1999, 17, 957-967.	1.0	55
330	Kinetics of PCr to ATP and Î²-ATP to Î²-ADP phosphoryl conversion are modified in working rat skeletal muscle after training. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 9, 52-58.	1.1	0
331	Serial effects of highâ€resistance and prolonged endurance training on Na+â€“K+pump concentration and enzymatic activities in human vastus lateralis. Acta Physiologica Scandinavica, 1999, 165, 177-184.	2.3	56
332	Skeletal muscle UCP2 and UCP3 expression in trained and untrained male subjects. International Journal of Obesity, 1999, 23, 966-972.	1.6	73
333	Kinetics of PCr to ATP and Î²-ATP to Î²-ADP phosphoryl conversion are modified in working rat skeletal muscle after training. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 9, 52-58.	1.1	3
334	Relationships between muscle mitochondrial DNA content, mitochondrial enzyme activity and oxidative capacity in man: alterations with disease. European Journal of Applied Physiology and Occupational Physiology, 1999, 80, 22-27.	1.2	90
335	Physiological determinants of endurance exercise performance. Journal of Science and Medicine in Sport, 1999, 2, 181-189.	0.6	151
336	Effects of fetal spinal cord tissue transplants and cycling exercise on the soleus muscle in spinalized rats. , 1999, 22, 846-856.		72
337	Short-term aerobic training response in chronic myopathies. , 1999, 22, 1239-1243.		72
338	The energy expenditure of normal and pathologic gait. Gait and Posture, 1999, 9, 207-231.	0.6	884
339	Metabolic adaptations to a high-fat diet in endurance cyclists. Metabolism: Clinical and Experimental, 1999, 48, 1509-1517.	1.5	129
340	ROLE OF FATS IN EXERCISE. Clinics in Sports Medicine, 1999, 18, 485-498.	0.9	29
341	Skeletal Muscle Dysfunction in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 1999, 159, S2-S40.	2.5	64
342	Pulmonary Rehabilitationâ€”1999. American Journal of Respiratory and Critical Care Medicine, 1999, 159, 1666-1682.	2.5	456

#	Article	IF	Citations
343	Substrate Metabolism during Exercise in Children and the â€œCrossover Conceptâ€• Pediatric Exercise Science, 1999, 11, 12-21.	0.5	10
344	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
345	Chronic fatigue syndrome: the physiology of people on the low end of the spectrum of physical activity?. Clinical Science, 1999, 97, 611.	1.8	3
346	Differential effects of endurance training and creatine depletion on regional mitochondrial adaptations in rat skeletal muscle. Biochemical Journal, 2000, 350, 547.	1.7	8
347	Differential effects of endurance training and creatine depletion on regional mitochondrial adaptations in rat skeletal muscle. Biochemical Journal, 2000, 350, 547-553.	1.7	29
348	Physical activity as a metabolic stressor. American Journal of Clinical Nutrition, 2000, 72, 512S-520S.	2.2	124
349	Physiological Adaptation in Women Concurrently Training for Strength and Endurance. Journal of Strength and Conditioning Research, 2000, 14, 5-13.	1.0	3
350	Effect of respiratory muscle training on GLUT-4 in the sheep diaphragm. Medicine and Science in Sports and Exercise, 2000, 32, 1406-1411.	0.2	9
351	Effect of training status and relative exercise intensity on physiological responses in men. Medicine and Science in Sports and Exercise, 2000, 32, 1648-1654.	0.2	65
352	Limiting factors for maximum oxygen uptake and determinants of endurance performance. Medicine and Science in Sports and Exercise, 2000, 32, 70.	0.2	1,452
353	An enzymatic approach to lactate production in human skeletal muscle during exercise. Medicine and Science in Sports and Exercise, 2000, 32, 756-763.	0.2	131
354	Endurance exercise training in the elderly: effects on cardiovascular function. Current Opinion in Clinical Nutrition and Metabolic Care, 2000, 3, 479-483.	1.3	22
355	Cycling Exercise and Fetal Spinal Cord Transplantation Act Synergistically on Atrophied Muscle following Chronic Spinal Cord Injury in Rats. Neurorehabilitation and Neural Repair, 2000, 14, 85-91.	1.4	25
356	31P MRS measurement of mitochondrial function in skeletal muscle: reliability, force-level sensitivity and relation to whole body maximal oxygen uptake. NMR in Biomedicine, 2000, 13, 14-27.	1.6	70
357	Forearm metabolism during infusion of adrenaline: comparison of the dominant and non-dominant arm. Clinical Physiology, 2000, 20, 8-13.	0.7	2
358	Exercise and reduced muscle mass in starlings. Nature, 2000, 406, 585-586.	13.7	29
359	Oral creatine supplementation decreases plasma markers of adenine nucleotide degradation during a 1â€h cycle test. Acta Physiologica Scandinavica, 2000, 170, 217-224.	2.3	21
360	Exercise Training for Claudicants: Changes in Blood Flow, Cardiorespiratory Status, Metabolic Functions, Blood Rheology and Lipid Profile. European Journal of Vascular and Endovascular Surgery, 2000, 20, 72-78.	0.8	31

#	Article	IF	Citations
361	Short-term exercise training improves diaphragm antioxidant capacity and endurance. European Journal of Applied Physiology and Occupational Physiology, 2000, 81, 67-74.	1.2	86
362	Effect of concurrent strength and endurance training on skeletal muscle properties and hormone concentrations in humans. European Journal of Applied Physiology, 2000, 81, 418-427.	1.2	293
363	Fat and carbohydrate balances during adaptation to a high-fat diet. American Journal of Clinical Nutrition, 2000, 71, 450-457.	2.2	103
364	Effect of endurance training on oxygen uptake kinetics during treadmill running. Journal of Applied Physiology, 2000, 89, 1744-1752.	1.2	104
365	Activation of AMP-activated protein kinase increases mitochondrial enzymes in skeletal muscle. Journal of Applied Physiology, 2000, 88, 2219-2226.	1.2	632
366	Neuromuscular Adaptation to Microgravity Environment.. The Japanese Journal of Physiology, 2000, 50, 303-314.	0.9	46
367	Effect of endurance training on lipid metabolism in women: a potential role for PPARÎ± in the metabolic response to training. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E348-E355.	1.8	145
368	Concurrent physical activity increases fat oxidation during the shift to a high-fat diet. American Journal of Clinical Nutrition, 2000, 72, 131-138.	2.2	73
369	Increased expression of GLUT-4 and hexokinase in rat epitrochlearis muscles exposed to AICAR in vitro. Journal of Applied Physiology, 2000, 88, 1072-1075.	1.2	137
370	Effects of voluntary activity and genetic selection on muscle metabolic capacities in house miceMus domesticus. Journal of Applied Physiology, 2000, 89, 1608-1616.	1.2	126
371	Effect of weight reduction, obesity predisposition, and aerobic fitness on skeletal muscle mitochondrial function. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E153-E161.	1.8	16
372	Training does not protect against exhaustive exercise-induced lactate transport capacity alterations. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E1045-E1052.	1.8	19
373	Effect of captopril on skeletal muscle angiogenic growth factor responses to exercise. Journal of Applied Physiology, 2000, 88, 1690-1697.	1.2	26
374	Synergist muscle ablation and recovery from nerve-repair grafting: contractile and metabolic function. Journal of Applied Physiology, 2000, 89, 1469-1476.	1.2	6
375	Adaptations in skeletal muscle exercise metabolism to a sustained session of heavy intermittent exercise. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E118-E126.	1.8	24
377	Should nasal fractures be treated on the spot?. British Journal of Sports Medicine, 2000, 34, 85-85.	3.1	0
378	Snowboarding injuries. British Journal of Sports Medicine, 2000, 34, 79-79.	3.1	4
379	Effects of Aging on Mitochondrial DNA Copy Number and Cytochromec Oxidase Gene Expression in Rat Skeletal Muscle, Liver, and Heart. Journal of Biological Chemistry, 2000, 275, 3343-3347.	1.6	328

#	Article	IF	Citations
380	Peak oxygen consumption and skeletal muscle bioenergetics in African-American and Caucasian men. Medicine and Science in Sports and Exercise, 2000, 32, 2059-2066.	0.2	16
381	Exercise and Insulin Sensitivity: A Review. International Journal of Sports Medicine, 2000, 21, 1-12.	0.8	425
382	VO2 slow component and performance in endurance sports. British Journal of Sports Medicine, 2000, 34, 83-85.	3.1	22
383	Acquired skeletal muscle metabolic myopathy in atherosclerotic peripheral arterial disease. Vascular Medicine, 2000, 5, 55-59.	0.8	134
384	Role of exercise counselling in health promotion. British Journal of Sports Medicine, 2000, 34, 80-81.	3.1	7
385	Haemorrhages in muscles of broiler chickens. World's Poultry Science Journal, 2000, 56, 93-126.	1.4	24
386	Oxidative enzyme activities of the vastus lateralis muscle and the functional status in patients with COPD. Thorax, 2000, 55, 848-853.	2.7	230
387	"You don't have to ...": walking to a healthier nation. British Journal of Sports Medicine, 2000, 34, 79-a-80.	3.1	5
388	The effect of dietary modification on the training outcome and body composition in patients undergoing a cardiac rehabilitation programme. Coronary Health Care, 2000, 4, 76-81.	0.4	7
389	A Proposed Model for Examining the Interference Phenomenon between Concurrent Aerobic and Strength Training. Sports Medicine, 2000, 30, 385-394.	3.1	139
390	Peripheral Muscle Dysfunction in Chronic Obstructive Pulmonary Disease. Clinics in Chest Medicine, 2000, 21, 665-677.	0.8	83
391	Where is the pain coming from in tendinopathy? It may be biochemical, not only structural, in origin. British Journal of Sports Medicine, 2000, 34, 81-83.	3.1	176
393	Fatmax : A new concept to optimize fat oxidation during exercise?. European Journal of Sport Science, 2001, 1, 1-5.	1.4	55
394	Adaptations to Training in Endurance Cyclists. Sports Medicine, 2001, 31, 511-520.	3.1	50
395	The Relationship Between Aerobic Fitness and Recovery from High Intensity Intermittent Exercise. Sports Medicine, 2001, 31, 1-11.	3.1	376
397	Effect of short-term exercise training on angiogenic growth factor gene responses in rats. Journal of Applied Physiology, 2001, 90, 1219-1226.	1.2	67
398	Enhanced oxygen extraction and reduced flow heterogeneity in exercising muscle in endurance-trained men. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E1015-E1021.	1.8	113
399	Large energetic adaptations of elderly muscle to resistance and endurance training. Journal of Applied Physiology, 2001, 90, 1663-1670.	1.2	168

#	Article	IF	Citations
400	Energy-sensing and signaling by AMP-activated protein kinase in skeletal muscle. Journal of Applied Physiology, 2001, 91, 1017-1028.	1.2	341
401	Regulation of Lipid Metabolism during Exercise. , 2001, 90, 44-54.		1
402	Historical Perspectives: Plasticity of mammalian skeletal muscle. Journal of Applied Physiology, 2001, 90, 1119-1124.	1.2	171
403	Invited Review: Contractile activity-induced mitochondrial biogenesis in skeletal muscle. Journal of Applied Physiology, 2001, 90, 1137-1157.	1.2	600
404	Lactate removal is not enhanced in nonstimulated perfused skeletal muscle after endurance training. Journal of Applied Physiology, 2001, 90, 1307-1313.	1.2	5
405	Decreased NADH dehydrogenase and ubiquinol-cytochromecoxidoreductase in peripheral arterial disease. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H603-H609.	1.5	65
406	Exercise-associated differences in an array of proteins involved in signal transduction and glucose transport. Journal of Applied Physiology, 2001, 90, 29-34.	1.2	55
407	Living and training in moderate hypoxia does not improveVË™o 2â€‰max more than living and training in normoxia. Journal of Applied Physiology, 2001, 90, 2057-2062.	1.2	21
408	Changes in uncoupling protein-2 and -3 expression in aging rat skeletal muscle, liver, and heart. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E413-E419.	1.8	52
409	Influence of training on NIRS muscle oxygen saturation during submaximal exercise. Medicine and Science in Sports and Exercise, 2001, 33, 1484-1489.	0.2	58
410	Studies of a targeted risk reduction intervention through defined exercise (STRRIDE). Medicine and Science in Sports and Exercise, 2001, 33, 1774-1784.	0.2	122
411	Effects of oxygen on lower limb blood flow and O2 uptake during exercise in COPD. Medicine and Science in Sports and Exercise, 2001, 33, 916-922.	0.2	74
412	Cellular Adaptations to Endurance Exercise: Master Athletes. International Journal of Sport Nutrition and Exercise Metabolism, 2001, 11, S186-S188.	1.0	4
413	Effect of Aging on Glucose and Lipid Metabolism during Endurance Exercise. International Journal of Sport Nutrition and Exercise Metabolism, 2001, 11, S86-S91.	1.0	22
414	Randomized controlled trial of home-based exercise training to evaluate cardiac functional gains. Clinical Science, 2001, 101, 477-483.	1.8	20
415	Randomized controlled trial of home-based exercise training to evaluate cardiac functional gains. Clinical Science, 2001, 101, 477.	1.8	12
416	Effect of Î²-Hydroxy Î²-Methylbutyrate on the Onset of Blood Lactate Accumulation and Vo2peak in Endurance-Trained Cyclists. Journal of Strength and Conditioning Research, 2001, 15, 491-497.	1.0	1
417	Effect of endurance training on oxidative and antioxidative function in human permeabilized muscle fibres. Pflugers Archiv European Journal of Physiology, 2001, 442, 420-425.	1.3	79

#	Article	IF	Citations
418	Effect of training intensity on muscle lactate transporters and lactate threshold of cross-country skiers. Acta Physiologica Scandinavica, 2001, 173, 195-205.	2.3	59
419	Relation between in vivo and in vitro measurements of skeletal muscle oxidative metabolism. Muscle and Nerve, 2001, 24, 1665-1676.	1.0	46
420	Metabolic enzymes and phenotypic expression among human locomotor muscles. Muscle and Nerve, 2001, 24, 387-393.	1.0	60
421	Dietary fat type and regular exercise affect mitochondrial composition and function depending on specific tissue in the rat. Journal of Bioenergetics and Biomembranes, 2001, 33, 127-134.	1.0	44
422	Reduced mitochondrial adenosine triphosphate synthesis in skeletal muscle in patients with child-pugh class B and C cirrhosis. Hepatology, 2001, 34, 7-12.	3.6	44
423	Interaction of Diet and Training on Endurance Performance in Rats. Experimental Physiology, 2001, 86, 499-508.	0.9	33
424	Skeletal muscle metabolism in overweight and post-overweight women: an isometric exercise study using 31P magnetic resonance spectroscopy. International Journal of Obesity, 2001, 25, 1309-1315.	1.6	45
425	Succinic dehydrogenase activity in human muscle mitochondria during aging: a quantitative cytochemical investigation. Mechanisms of Ageing and Development, 2001, 122, 1841-1848.	2.2	12
426	Peak power output, the lactate threshold, and time trial performance in cyclists. Medicine and Science in Sports and Exercise, 2001, 33, 2077-2081.	0.2	87
427	Cardiovascular, metabolic, and hormonal parameters in professional tennis players. Medicine and Science in Sports and Exercise, 2001, 33, 654-658.	0.2	71
428	Assessing the effect of exercise training in men with heart failure. Comparison of maximal, submaximal and endurance exercise protocols. European Heart Journal, 2001, 22, 684-692.	1.0	68
429	Effects of Emphysema on Diaphragm Microvascular Oxygen Pressure. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 1081-1086.	2.5	26
430	Cancer-Induced Fatigue and Skeletal Muscle Wasting: The Role of Exercise. Biological Research for Nursing, 2001, 2, 186-197.	1.0	110
431	Effects of short-term endurance training on muscle deoxygenation trends using NIRS. Medicine and Science in Sports and Exercise, 2002, 34, 1725-1732.	0.2	43
432	Endurance training induces muscle-specific changes in mitochondrial function in skinned muscle fibers. Journal of Applied Physiology, 2002, 92, 2429-2438.	1.2	61
433	Exercise, diet, and skeletal muscle gene expression. Medicine and Science in Sports and Exercise, 2002, 34, 1505-1508.	0.2	30
434	Waging war on physical inactivity: using modern molecular ammunition against an ancient enemy. Journal of Applied Physiology, 2002, 93, 3-30.	1.2	339
435	Carbohydrate Dependence During Hard-Intensity Exercise in Trained Cyclists in the Competitive Season: Importance of Training Status. International Journal of Sports Medicine, 2002, 23, 516-523.	0.8	10

#	Article	IF	Citations
436	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
437	Skeletal Muscle Adaptations with Age, Inactivity, and Therapeutic Exercise. Journal of Orthopaedic and Sports Physical Therapy, 2002, 32, 44-57.	1.7	91
438	Regulation of GLUT4 biogenesis in muscle: evidence for involvement of AMPK and Ca²⁺. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E1008-E1013.	1.8	174
439	Increased mitochondrial mass in mitochondrial myopathy mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15066-15071.	3.3	262
440	Determination of the exercise intensity that elicits maximal fat oxidation. Medicine and Science in Sports and Exercise, 2002, 34, 92-97.	0.2	408
441	Nutritional and exercise-based therapies in the treatment of mitochondrial disease. Current Opinion in Clinical Nutrition and Metabolic Care, 2002, 5, 619-629.	1.3	51
442	Effect of cycling experience and pedal cadence on the near-infrared spectroscopy parameters. Medicine and Science in Sports and Exercise, 2002, 34, 2062-2071.	0.2	32
443	Effects of short-term fat adaptation on metabolism and performance of prolonged exercise. Medicine and Science in Sports and Exercise, 2002, 34, 1492-1498.	0.2	78
444	Postural Stress Theory. Physical Therapy, 2002, 82, 824-826.	1.1	0
445	Effects of endurance training on activity and expression of AMP-activated protein kinase isoforms in rat muscles. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E178-E186.	1.8	110
446	Scientific contributions of A. V. Hill: exercise physiology pioneer. Journal of Applied Physiology, 2002, 93, 1567-1582.	1.2	76
447	Oxygen uptake kinetics in children and adults after the onset of moderate-intensity exercise. Journal of Sports Sciences, 2002, 20, 319-326.	1.0	91
448	The Scientific Basis for High-Intensity Interval Training. Sports Medicine, 2002, 32, 53-73.	3.1	646
449	Adaptations of skeletal muscle to exercise: rapid increase in the transcriptional coactivator PGCâ€1. FASEB Journal, 2002, 16, 1879-1886.	0.2	857
450	Influence of Racial Origin and Skeletal Muscle Properties on Disease Prevalence and Physical Performance. Sports Medicine, 2002, 32, 667-673.	3.1	13
451	Training Techniques to Improve Endurance Exercise Performances. Sports Medicine, 2002, 32, 489-509.	3.1	101
452	Long- and medium-chain fatty acid oxidation is increased in exercise-trained human skeletal muscle. Metabolism: Clinical and Experimental, 2002, 51, 460-464.	1.5	54
453	Kinetics of oxygen uptake at the onset of moderate and heavy exercise in trained and untrained prepubertal children. Science and Sports, 2002, 17, 291-296.	0.2	18

#	Article	IF	Citations
454	Dynamics of microvascular oxygen pressure in the rat diaphragm. Journal of Applied Physiology, 2002, 93, 227-232.	1.2	22
455	Dynamics of microvascular oxygen pressure during rest-contraction transition in skeletal muscle of diabetic rats. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H926-H932.	1.5	79
456	Increases in muscle MCT are associated with reductions in muscle lactate after a single exercise session in humans. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E154-E160.	1.8	52
457	The relationships between aerobic fitness, power maintenance and oxygen consumption during intense intermittent exercise. Journal of Science and Medicine in Sport, 2002, 5, 194-203.	0.6	50
458	Mitochondrial respiratory chain function in skeletal muscle of ALS patients. Annals of Neurology, 2002, 52, 623-627.	2.8	78
459	A morphometric study on human muscle mitochondria in aging. Age, 2002, 25, 101-105.	3.0	3
460	Emerging paradigms for understanding fatness and diabetes risk. Current Diabetes Reports, 2002, 2, 223-230.	1.7	30
461	Ammonia threshold-comparison to lactate threshold, correlation to other physiological parameters and response to training. Scandinavian Journal of Medicine and Science in Sports, 2002, 12, 358-364.	1.3	20
462	Exercise training and peripheral vascular disease. British Journal of Surgery, 2002, 87, 553-562.	0.1	57
463	Metabolic, endocrine and haemodynamic risk factors in the patient with peripheral arterial disease. Diabetes, Obesity and Metabolism, 2002, 4, S7-S13.	2.2	11
464	Exercise And Skeletal Muscle Gene Expression. Clinical and Experimental Pharmacology and Physiology, 2002, 29, 209-213.	0.9	31
465	Adaptations Of Skeletal Muscle To Prolonged, Intense Endurance Training. Clinical and Experimental Pharmacology and Physiology, 2002, 29, 218-222.	0.9	232
466	Oxidative capacity interacts with oxygen delivery to determine maximal O2uptake in rat skeletal musclesin situ. Journal of Physiology, 2002, 541, 1003-1012.	1.3	31
467	Exercise and gene expression: physiological regulation of the human genome through physical activity. Journal of Physiology, 2002, 543, 399-411.	1.3	191
468	Physical activity changes the regulation of mitochondrial respiration in human skeletal muscle. Journal of Physiology, 2002, 543, 191-200.	1.3	158
469	Effect of age and cold exposure on morphofunctional characteristics of skeletal muscle in neonatal pigs. Pflugers Archiv European Journal of Physiology, 2002, 444, 610-618.	1.3	30
470	Neuromuscular adaptations during concurrent strength and endurance training versus strength training. European Journal of Applied Physiology, 2003, 89, 42-52.	1.2	347
471	Calcineurin is not involved in some mitochondrial enzyme adaptations to endurance exercise training in rat skeletal muscle. European Journal of Applied Physiology, 2003, 90, 210-217.	1.2	14

#	Article	IF	Citations
472	A comparison of respiratory compensation thresholds of anaerobic competitors, aerobic competitors and untrained subjects. European Journal of Applied Physiology, 2003, 90, 608-613.	1.2	23
473	Molecular basis of skeletal muscle plasticity-from gene to form and function. , 2003, 146, 159-216.		358
474	Influence of dietary selenium supplementation and exercise on thiol-containing enzymes in mice. Nutrition, 2003, 19, 627-632.	1.1	48
475	Effect of endurance training on muscle fat metabolism during prolonged exercise:. Nutrition, 2003, 19, 891-900.	1.1	11
476	Treating patients with peripheral arterial disease and claudication. Journal of Vascular Nursing, 2003, 21, 5-16.	0.2	14
477	Skeletal Muscle Abnormalities in Chronic Heart Failure Patients: Relation to Exercise Capacity and Therapeutic Implications. Congestive Heart Failure, 2003, 9, 148-154.	2.0	23
478	Quantitative and qualitative adaptation of skeletal muscle mitochondria to increased physical activity. Journal of Cellular Physiology, 2003, 194, 186-193.	2.0	68
479	Effects of concurrent strength and endurance training in women with early or longstanding rheumatoid arthritis: Comparison with healthy subjects. Arthritis and Rheumatism, 2003, 49, 789-797.	6.7	69
480	Explosive-strength training improves 5-km running time by improving running economy and muscle power. Scandinavian Journal of Medicine and Science in Sports, 2003, 13, 272-272.	1.3	8
481	Anaerobic Threshold: The Concept and Methods of Measurement. Applied Physiology, Nutrition, and Metabolism, 2003, 28, 299-323.	1.7	320
482	Metabolic changes induced by regular submaximal aerobic exercise in meat-type rabbits. Acta Veterinaria Hungarica, 2003, 51, 503-512.	0.2	9
483	Can continuous physical training counteract aging effect on myoelectric fatigue? A surface electromyography study application. Archives of Physical Medicine and Rehabilitation, 2003, 84, 513-517.	0.5	24
484	Quantification of total mitochondrial DNA and the 4977-bp common deletion in Pearson's syndrome lymphoblasts using a fluorogenic 5â€²-nuclease (TaqManâ„¢) real-time polymerase chain reaction assay and plasmid external calibration standards. Mitochondrion, 2003, 2, 415-427.	1.6	31
485	Fatty acid mobilization from adipose tissue during exercise. Trends in Endocrinology and Metabolism, 2003, 14, 386-392.	3.1	182
487	Endurance Training in Humans Leads to Fiber Type-Specific Increases in Levels of Peroxisome Proliferator-Activated Receptor-Â Coactivator-1 and Peroxisome Proliferator-Activated Receptor-Â in Skeletal Muscle. Diabetes, 2003, 52, 2874-2881.	0.3	405
488	Computer Modeling of Relationship Between Critical PVO2, VO2max and Blood Supply of Skeletal Muscle at Working with a Right-Shifted Blood O2 Dissociation Curve. Advances in Experimental Medicine and Biology, 2003, 530, 297-310.	0.8	0
489	Skiing across the Greenland icecap: divergent effects on limb muscle adaptations and substrate oxidation. Journal of Experimental Biology, 2003, 206, 1075-1083.	0.8	54
490	Origins and Consequences of Mitochondrial Variation in Vertebrate Muscle. Annual Review of Physiology, 2003, 65, 177-201.	5.6	75

#	Article	IF	Citations
491	Impact of Aerobic Exercise Training on Age-Related Changes in Insulin Sensitivity and Muscle Oxidative Capacity. Diabetes, 2003, 52, 1888-1896.	0.3	532
492	Peripheral Muscle Strength Training in Bed-Bound Patients With COPD Receiving Mechanical Ventilation. Chest, 2003, 124, 292-296.	0.4	274
493	Maximal Fat Oxidation During Exercise in Trained Men. International Journal of Sports Medicine, 2003, 24, 603-608.	0.8	183
494	Physiological factors that regulate the use of endogenous fat and carbohydrate fuels during endurance exercise. Nutrition Research Reviews, 2003, 16, 97.	2.1	9
495	Artificial selection for high activity favors mighty mini-muscles in house mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R433-R443.	0.9	66
496	Differential transcriptional activation of select metabolic genes in response to variations in exercise intensity and duration. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E1021-E1027.	1.8	82
497	Mitochondria: Biogenesis, Structure, and Function???Symposium Introduction. Medicine and Science in Sports and Exercise, 2003, 35, 82-85.	0.2	7
498	Plasticity of Skeletal Muscle Mitochondria: Structure and Function. Medicine and Science in Sports and Exercise, 2003, 35, 95-104.	0.2	170
499	Effects of Dietary Fat on Muscle Substrates, Metabolism, and Performance in Athletes. Medicine and Science in Sports and Exercise, 2003, 35, 952-960.	0.2	93
500	Endurance Training Reduces End-Exercise &OV0312;O2 and Muscle Use during Submaximal Cycling. Medicine and Science in Sports and Exercise, 2003, 35, 257-262.	0.2	15
501	Selected Contribution: Skeletal muscle capillarity and enzyme activity in rats selectively bred for running endurance. Journal of Applied Physiology, 2003, 94, 1682-1688.	1.2	84
502	A Comparison of Linear and Daily Undulating Periodized Programs With Equated Volume and Intensity for Local Muscular Endurance. Journal of Strength and Conditioning Research, 2003, 17, 82-87.	1.0	2
503	Effect of age and endurance training on the capacity for epinephrine-stimulated gluconeogenesis in rat hepatocytes. Journal of Applied Physiology, 2003, 95, 712-719.	1.2	9
504	Peripheral Arterial Disease: A Review of Epidemiology, Clinical Presentation, and Effectiveness of Exercise Training. Cardiopulmonary Physical Therapy Journal, 2004, 15, 6-12.	0.2	5
505	Does ACE inhibition enhance endurance performance and muscle energy metabolism in rats?. Journal of Applied Physiology, 2004, 96, 59-64.	1.2	28
506	Effect of endurance exercise on the Ca2+ pumps from transverse tubule and sarcoplasmic reticulum of rabbit skeletal muscle. Journal of Applied Physiology, 2004, 97, 467-474.	1.2	7
507	Regulation of CPT I activity in intermyofibrillar and subsarcolemmal mitochondria from human and rat skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E85-E91.	1.8	41
508	Effect of High-Intensity Intermittent Swimming Training on Fatty Acid Oxidation Enzyme Activity in Rat Skeletal Muscle. The Japanese Journal of Physiology, 2004, 54, 47-52.	0.9	47

#	Article	IF	Citations
509	Can sedentary patients with heart failure achieve the beneficial effect of exercise training without moving?. European Heart Journal, 2004, 25, 104-106.	1.0	9
510	Eating, exercise, and â€œthriftyâ€•genotypes: connecting the dots toward an evolutionary understanding of modern chronic diseases. Journal of Applied Physiology, 2004, 96, 3-10.	1.2	371
511	Interval sprint training enhances endothelial function and eNOS content in some arteries that perfuse white gastrocnemius muscle. Journal of Applied Physiology, 2004, 96, 233-244.	1.2	74
512	Skeletal muscle metabolic changes in peripheral arterial disease contribute to exercise intolerance: a point-counterpoint discussion. Vascular Medicine, 2004, 9, 293-301.	0.8	64
513	Current concepts of oxygen transport during exercise. Equine and Comparative Exercise Physiology, 2004, 1, 5-22.	0.4	38
514	Off seasonal and pre-seasonal assessment of circulating energy sources during prolonged running at the anaerobic threshold in competitive triathletes. British Journal of Sports Medicine, 2004, 38, 402-407.	3.1	12
515	Chronic low-frequency stimulation upregulates uncoupling protein-3 in transforming rat fast-twitch skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R1419-R1426.	0.9	23
516	Voluntary physical activity alterations in endothelial nitric oxide synthase knockout mice. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H914-H920.	1.5	51
517	Effect of chronic wheel running on the fatty acid composition of phospholipids and triacylglycerols in rat serum, skeletal muscle and heart. Acta Physiologica Scandinavica, 2004, 181, 199-208.	2.3	21
518	The effects of endurance training in persons with a hereditary myosin myopathy*. Acta Neurologica Scandinavica, 2004, 110, 80-86.	1.0	12
519	Fat metabolism in exercise - with special reference to training and growth hormone administration. Scandinavian Journal of Medicine and Science in Sports, 2004, 14, 74-99.	1.3	29
520	Failure of fat cell proliferation, mitochondrial function and fat oxidation results in ectopic fat storage, insulin resistance and type II diabetes mellitus. International Journal of Obesity, 2004, 28, S12-S21.	1.6	337
521	Resistance to fatigue of individualXenopussingle skeletal muscle fibres is correlated with mitochondrial volume density. Experimental Physiology, 2004, 89, 617-621.	0.9	17
522	Fat supplementation, health, and endurance performance. Nutrition, 2004, 20, 678-688.	1.1	57
523	Interrelations between the Constitution Type and Features of Muscular Activity Energetics in Sprinters and Stayers. Human Physiology, 2004, 30, 605-609.	0.1	0
524	Effects of power training on mechanical efficiency in jumping. European Journal of Applied Physiology, 2004, 91, 155-159.	1.2	20
525	Muscle buffer capacity and aerobic fitness are associated with repeated-sprint ability in women. European Journal of Applied Physiology, 2004, 92, 540-7.	1.2	154
526	Overshoot in V?O2 following the onset of moderate-intensity cycle exercise in trained cyclists. European Journal of Applied Physiology, 2004, 93, 366-373.	1.2	28

#	Article	IF	Citations
527	Respiratory and metabolic responses during exercise and skeletal muscle morphology in obesity. Sport Sciences for Health, 2004, 1, 47-54.	0.4	6
528	Metabolic responses to low temperature in fish muscle. Biological Reviews, 2004, 79, 409-427.	4.7	330
529	Exercise as a therapeutic intervention for the prevention and treatment of insulin resistance. Diabetes/Metabolism Research and Reviews, 2004, 20, 383-393.	1.7	251
530	Maximal strength and power, muscle mass, endurance and serum hormones in weightlifters and road cyclists. Journal of Sports Sciences, 2004, 22, 465-478.	1.0	71
531	Transcriptional regulatory circuits controlling mitochondrial biogenesis and function. Genes and Development, 2004, 18, 357-368.	2.7	1,086
532	Effects of Exercise on the Fatty-Acid Composition of Blood and Tissue Lipids. Sports Medicine, 2004, 34, 1051-1076.	3.1	89
533	Heart and vessels: function during exercise and response to training. , 2004, , 699-727.		3
534	Endurance treadmill training in rats alters CRH activity in the hypothalamic paraventricular nucleus at rest and during acute running according to its period. Life Sciences, 2004, 76, 763-774.	2.0	37
535	Cardiopulmonary fitness and muscle strength in patients with osteogenesis imperfecta type I. Journal of Pediatrics, 2004, 145, 813-818.	0.9	82
536	AMP-Activated Protein Kinase: A Key System Mediating Metabolic Responses to Exercise. Medicine and Science in Sports and Exercise, 2004, 36, 28-34.	0.2	135
537	Skeletal muscle mitochondrial protein metabolism and function in ageing and type 2 diabetes. Current Opinion in Clinical Nutrition and Metabolic Care, 2004, 7, 97-102.	1.3	34
538	Use of intramuscular triacylglycerol as a substrate source during exercise in humans. Journal of Applied Physiology, 2004, 97, 1170-1187.	1.2	158
539	Effect of endurance training on muscle TCA cycle metabolism during exercise in humans. Journal of Applied Physiology, 2004, 97, 579-584.	1.2	38
540	Insulin resistance: sex matters. Current Opinion in Clinical Nutrition and Metabolic Care, 2005, 8, 367-372.	1.3	91
541	Effect of High-Fat or High-Carbohydrate Diets on Endurance Exercise: A Meta-Analysis. International Journal of Sport Nutrition and Exercise Metabolism, 2005, 15, 1-14.	1.0	43
542	Effects of Four Weeks L-Carnitine L-tartrate Ingestion on Substrate Utilization during Prolonged Exercise. International Journal of Sport Nutrition and Exercise Metabolism, 2005, 15, 665-679.	1.0	26
543	Is the intensity of the highest fat oxidation at the lactate concentration of 2 mmol L-1? A comparison of two different exercise protocols. European Journal of Clinical Investigation, 2005, 35, 491-498.	1.7	17
544	Lifestyle Intervention and Fatty Acid Metabolism in Glucoseâ€Intolerant Subjects. Obesity, 2005, 13, 1354-1362.	4.0	16

#	Article	IF	Citations
545	Mitofusins 1/2 and ERRÎ± expression are increased in human skeletal muscle after physical exercise. Journal of Physiology, 2005, 567, 349-358.	1.3	348
546	Aerobic training in patients with myotonic dystrophy type 1. Annals of Neurology, 2005, 57, 754-757.	2.8	102
547	Characterisation, asymmetry and reproducibility of on- and off-transient pulmonary oxygen uptake kinetics in endurance-trained runners. European Journal of Applied Physiology, 2005, 93, 588-597.	1.2	23
548	The effect of inspiratory muscle training upon maximum lactate steady-state and blood lactate concentration. European Journal of Applied Physiology, 2005, 94, 277-284.	1.2	48
549	Are the effects of training on fat metabolism involved in the improvement of performance during high-intensity exercise?. European Journal of Applied Physiology, 2005, 94, 434-441.	1.2	19
550	Effects of exercise during growth and alternative rearing systems on muscle fibers and collagen properties. Reproduction, Nutrition, Development, 2005, 45, 69-86.	1.9	36
551	Role of AMP-Activated Protein Kinase in the Control of Glucose Homeostasis. Current Molecular Medicine, 2005, 5, 341-348.	0.6	41
552	Test of the principle of initial value in rat genetic models of exercise capacity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R466-R472.	0.9	30
553	PGC-1α and Exercise: Important Partners in Combating Insulin Resistance. Current Diabetes Reviews, 2005, 1, 175-181.	0.6	41
554	Regulation of Fatty Acid Transport Across the Mitochondrial Membranes in Human and Rodent Skeletal Muscle. Applied Physiology, Nutrition, and Metabolism, 2005, 30, 644-644.	1.7	0
555	Regulation of metabolic transcriptional coâ€activators and transcription factors with acute exercise. FASEB Journal, 2005, 19, 986-988.	0.2	152
556	Housing-related activity in rats: effects on body weight, urinary corticosterone levels, muscle properties and performance. Laboratory Animals, 2005, 39, 45-57.	0.5	60
557	Altered Hepatic and Muscle Substrate Utilization Provoked by GLUT4 Ablation. Diabetes, 2005, 54, 935-943.	0.3	17
558	Loaded wheel running and muscle adaptation in the mouse. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H455-H465.	1.5	83
559	Cost of transport is increased after cold exposure in Monodelphis domestica: training for inefficiency. Journal of Experimental Biology, 2005, 208, 3159-3167.	0.8	23
560	Pathophysiological Factors which Determine the Exercise Intolerance in Patients with Juvenile Dermatomyositis. Current Rheumatology Reviews, 2005, 1, 91-99.	0.4	10
561	Coordinated changes in mitochondrial function and biogenesis in healthy and diseased human skeletal muscle. FASEB Journal, 2005, 19, 43-52.	0.2	165
562	Aerobic training improves exercise performance in facioscapulohumeral muscular dystrophy. Neurology, 2005, 64, 1064-1066.	1.5	124

#	Article	IF	Citations
563	Coraz?n y ejercicio f?sico. Medicine, 2005, 9, 2895-2899.	0.0	1
564	Impact of high- and low-intensity targeted exercise training on the type of substrate utilization in obese boys submitted to a hypocaloric diet. Diabetes and Metabolism, 2005, 31, 327-335.	1.4	46
565	Determinants of fat oxidation during exercise in healthy men and women: a cross-sectional study. Journal of Applied Physiology, 2005, 98, 160-167.	1.2	371
566	Aerobic Exercise Adaptations in Trained Adolescent Runners Following a Season of Cross-country Training. Research in Sports Medicine, 2005, 13, 273-286.	0.7	7
567	Maximizing Acute Fat Utilization: Effects of Exercise, Food, and Individual Characteristics. Applied Physiology, Nutrition, and Metabolism, 2005, 30, 475-499.	1.7	9
568	Metabolic Biochemistry: Its Role in Thermal Tolerance and in the Capacities of Physiological and Ecological Function. Fish Physiology, 2005, 22, 79-154.	0.2	71
569	Six sessions of sprint interval training increases muscle oxidative potential and cycle endurance capacity in humans. Journal of Applied Physiology, 2005, 98, 1985-1990.	1.2	621
570	Effect of dietary fat intake on total body and white blood cell fat oxidation in exercised sedentary subjects. Nutrition Research, 2005, 25, 225-237.	1.3	3
572	Emphysema-induced reductions in locomotory skeletal muscle contractile function. Experimental Physiology, 2005, 90, 519-525.	0.9	13
573	Mitochondrial oxidative function and type 2 diabetes. Applied Physiology, Nutrition and Metabolism, 2006, 31, 675-683.	0.9	86
574	The systemic inflammatory response to exercise in adults with cystic fibrosis. Journal of Cystic Fibrosis, 2006, 5, 105-112.	0.3	31
575	Dinitrophenol-induced mitochondrial uncoupling in vivo triggers respiratory adaptation in HepG2 cells. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 21-30.	0.5	60
576	Systemic oxygen transport in rats artificially selected for running endurance. Respiratory Physiology and Neurobiology, 2006, 151, 141-150.	0.7	16
577	Relationship between local perfusion and FFA uptake in human skeletal muscleâ€"no effect of increased physical activity and aerobic fitness. Journal of Applied Physiology, 2006, 101, 1303-1311.	1.2	17
578	Enhanced mitochondrial sensitivity to creatine in rats bred for high aerobic capacity. Journal of Applied Physiology, 2006, 100, 1765-1769.	1.2	30
579	Effects of chronic NaHCO3 ingestion during interval training on changes to muscle buffer capacity, metabolism, and short-term endurance performance. Journal of Applied Physiology, 2006, 101, 918-925.	1.2	103
580	A Pregame Soccer Warm-up. Strength and Conditioning Journal, 2006, 28, 14-18.	0.7	7
581	Influence of Continuous and Interval Training on Oxygen Uptake On-Kinetics. Medicine and Science in Sports and Exercise, 2006, 38, 504-512.	0.2	88

#	Article	IF	Citations
582	Effect of High Cardiorespiratory Fitness and High Body Fat on Insulin Resistance. Medicine and Science in Sports and Exercise, 2006, 38, 1709-1715.	0.2	13
583	Parallel protein and transcript profiles of FSHD patient muscles correlate to the D4Z4 arrangement and reveal a common impairment of slow to fast fibre differentiation and a general deregulation of MyoD-dependent genes. Proteomics, 2006, 6, 5303-5321.	1.3	105
584	Effects of running exercise on fibre-type distribution of soleus and plantaris muscles in diabetic Otsuka Long-Evans Tokushima fatty rats. Diabetes, Obesity and Metabolism, 2006, 8, 311-321.	2.2	24
585	Increased Fat Intake, Impaired Fat Oxidation, and Failure of Fat Cell Proliferation Result in Ectopic Fat Storage, Insulin Resistance, and Type 2 Diabetes Mellitus. Annals of the New York Academy of Sciences, 2002, 967, 363-378.	1.8	378
586	Human skeletal muscle fibre type variations correlate with PPAR?, PPAR? and PGC-1? mRNA. Acta Physiologica, 2006, 188, 207-216.	1.8	84
587	Muscle fiber type I influences lipid oxidation during low-intensity exercise in moderately active middle-aged men. Scandinavian Journal of Medicine and Science in Sports, 2006, 16, 134-140.	1.3	6
588	Post-exercise leg and forearm flexor muscle cooling in humans attenuates endurance and resistance training effects on muscle performance and on circulatory adaptation. European Journal of Applied Physiology, 2006, 96, 572-580.	1.2	89
589	Determinants of repeated-sprint ability in females matched for single-sprint performance. European Journal of Applied Physiology, 2006, 97, 373-379.	1.2	103
590	Influence of recovery mode (passive vs. active) on time spent at maximal oxygen uptake during an intermittent session in young and endurance-trained athletes. European Journal of Applied Physiology, 2006, 99, 133-142.	1.2	44
591	Current concepts in the pathophysiology of fibromyalgia: the potential role of oxidative stress and nitric oxide. Rheumatology International, 2006, 26, 585-597.	1.5	97
592	Energy well spent fighting the diabetes epidemic. Diabetes/Metabolism Research and Reviews, 2006, 22, 11-19.	1.7	17
593	The Physiology of the World Record Holder for the Women's Marathon. International Journal of Sports Science and Coaching, 2006, 1, 101-116.	0.7	162
594	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.	1.8	118
595	Changes Induced by Physical Activity and Weight Loss in the Morphology of Intermyofibrillar Mitochondria in Obese Men and Women. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 3224-3227.	1.8	107
596	Teaching skeletal muscle adaptations to aerobic exercise using an American Physiological Society classic paper by Dr. Philip Gollnick and colleagues. American Journal of Physiology - Advances in Physiology Education, 2006, 30, 113-118.	0.8	3
597	Derangements in mitochondrial metabolism in intercostal and leg muscle of critically ill patients with sepsis-induced multiple organ failure. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1044-E1050.	1.8	188
598	Role of calcineurin in exercise-induced mitochondrial biogenesis. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E1172-E1179.	1.8	74
599	A Comparison of Pulmonary Oxygen Uptake Kinetics in Middle- and Long-Distance Runners. International Journal of Sports Medicine, 2006, 27, 419-426.	0.8	29

#	Article	IF	Citations
600	Pulmonary O2 Uptake On-Kinetics in Endurance- and Sprint-Trained Master Athletes. International Journal of Sports Medicine, 2006, 27, 1005-1012.	0.8	12
601	Maximal lipidic power in high competitive level triathletes and cyclists * Commentary. British Journal of Sports Medicine, 2006, 41, 23-28.	3.1	24
602	Endurance training in obese humans improves glucose tolerance and mitochondrial fatty acid oxidation and alters muscle lipid content. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E99-E107.	1.8	270
603	Muscle-specific creatine kinase gene polymorphism and running economy responses to an 18-week 5000-m training programme * Commentary. British Journal of Sports Medicine, 2006, 40, 988-991.	3.1	43
604	Functional, structural and molecular plasticity of mammalian skeletal muscle in response to exercise stimuli. Journal of Experimental Biology, 2006, 209, 2239-2248.	0.8	232
605	Skeletal Muscle Lipid Metabolism in Exercise and Insulin Resistance. Physiological Reviews, 2006, 86, 205-243.	13.1	392
606	Transducer of regulated CREB-binding proteins (TORCs) induce PGC-1Â transcription and mitochondrial biogenesis in muscle cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14379-14384.	3.3	261
607	Influence of endurance training on muscle [PCr] kinetics during high-intensity exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R392-R401.	0.9	36
608	Speed training with body weight unloading improves walking energy cost and maximal speed in 75- to 85-year-old healthy women. Journal of Applied Physiology, 2007, 103, 1598-1603.	1.2	34
609	HIF-1Î± in endurance training: suppression of oxidative metabolism. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2059-R2069.	0.9	96
610	Hepatic response to restoration of GLUT4 in skeletal muscle of GLUT4 null mice. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1178-E1187.	1.8	19
611	Bioenergetics in aging: mitochondrial proton leak in aging rat liver, kidney and heart. Redox Report, 2007, 12, 91-95.	1.4	57
612	Energy sensing and regulation of gene expression in skeletal muscle. Journal of Applied Physiology, 2007, 102, 529-540.	1.2	70
613	Effects of endurance training on VO_{2max} and submaximal blood lactate concentrations of untrained sled dogs. Equine and Comparative Exercise Physiology, 2007, 4, 89-94.	0.4	15
614	The Fuzzy Logic of Physiological Cardiac Hypertrophy. Hypertension, 2007, 49, 962-970.	1.3	271
615	A Role for the Transcriptional Coactivator PGC-1Î± in Muscle Refueling. Journal of Biological Chemistry, 2007, 282, 36642-36651.	1.6	229
616	Endurance Trainability of Children and Youth. , 0, , 84-95.		8
617	Narrative Review: The Pathophysiology of Fibromyalgia. Annals of Internal Medicine, 2007, 146, 726.	2.0	236

#	Article	IF	Citations
618	Effects of intermittent hypoxic training on amino and fatty acid oxidative combustion in human permeabilized muscle fibers. Journal of Applied Physiology, 2007, 102, 79-86.	1.2	47
619	Downhill treadmill running trains the rat spinotrapezius muscle. Journal of Applied Physiology, 2007, 102, 412-416.	1.2	14
620	Mechanical and Metabolic Responses with Exercise and Dietary Carbohydrate Manipulation. Medicine and Science in Sports and Exercise, 2007, 39, 139-148.	0.2	2
621	Reduced efficiency, but increased fat oxidation, in mitochondria from human skeletal muscle after 24-h ultraendurance exercise. Journal of Applied Physiology, 2007, 102, 1844-1849.	1.2	52
622	The Role of Hif-1 1 in Hypoxic Response in the Skeletal Muscle. Advances in Experimental Medicine and Biology, 2007, 618, 229-244.	0.8	50
623	Testosterone deficiency impairs glucose oxidation through defective insulin and its receptor gene expression in target tissues of adult male rats. Life Sciences, 2007, 81, 534-542.	2.0	25
624	Mitochondrial haplogroup T is negatively associated with the status of elite endurance athlete. Mitochondrion, 2007, 7, 354-357.	1.6	52
625	Training to Enhance the Physiological Determinants of Long-Distance Running Performance. Sports Medicine, 2007, 37, 857-880.	3.1	194
626	Metabolic Adaptations to Marathon Training and Racing. Sports Medicine, 2007, 37, 328-331.	3.1	9
627	Power Athletes and Distance Training. Sports Medicine, 2007, 37, 47-57.	3.1	29
628	Resistance exercise: good for more than just Grandma and Grandpaâ€™s muscles. Applied Physiology, Nutrition and Metabolism, 2007, 32, 1198-1205.	0.9	71
629	AMP-Activated Protein Kinase as a Drug Target. Annual Review of Pharmacology and Toxicology, 2007, 47, 185-210.	4.2	373
630	Muscle metabolic responses during 16 hours of intermittent heavy exercise. Canadian Journal of Physiology and Pharmacology, 2007, 85, 634-645.	0.7	3
631	Muscle oxygenation during prolonged electrical stimulation-evoked cycling in paraplegics. Applied Physiology, Nutrition and Metabolism, 2007, 32, 463-472.	0.9	11
632	The potential for mitochondrial fat oxidation in human skeletal muscle influences whole body fat oxidation during low-intensity exercise. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E223-E230.	1.8	35
633	Two weeks of high-intensity aerobic interval training increases the capacity for fat oxidation during exercise in women. Journal of Applied Physiology, 2007, 102, 1439-1447.	1.2	303
634	Nutritional strategies to optimize training and racing in middle-distance athletes. Journal of Sports Sciences, 2007, 25, S17-S28.	1.0	45
635	Exercise for treating fibromyalgia syndrome. The Cochrane Library, 2007, , CD003786.	1.5	304

#	Article	IF	Citations
636	Contributions of working muscle to whole body lipid metabolism are altered by exercise intensity and training. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E107-E116.	1.8	50
637	Randomized controlled trial of supervised exercise to evaluate changes in cardiac function in patients with peripheral atherosclerotic disease. Clinical Physiology and Functional Imaging, 2007, 28, 071116231949003-???.	0.5	41
638	The effects of training, immobilization and remobilization on musculoskeletal tissue. Scandinavian Journal of Medicine and Science in Sports, 1992, 2, 100-118.	1.3	100
639	Overreachingâ€induced oxidative stress, enhanced HSP72 expression, antioxidant and oxidative enzymes downregulation. Scandinavian Journal of Medicine and Science in Sports, 2008, 18, 67-76.	1.3	28
640	Treadmill but not wheel running improves fatigue resistance of isolated extensor digitorum longus muscle in mice. Acta Physiologica, 2007, 190, 151-161.	1.8	19
641	Relationship of Physical Activity, Fitness, and Fatness with Clustered Metabolic Risk in Children and Adolescents: The European Youth Heart Study. Journal of Pediatrics, 2007, 150, 388-394.	0.9	197
642	Manipulating high-intensity interval training: Effects on , the lactate threshold and 3000m running performance in moderately trained males. Journal of Science and Medicine in Sport, 2007, 10, 27-35.	0.6	154
643	Physical working capacity and energy supply of muscle function during postnatal human ontogeny. Human Physiology, 2007, 33, 326-341.	0.1	9
644	Pulmonary O2 uptake on-kinetics in sprint- and endurance-trained athletes. Applied Physiology, Nutrition and Metabolism, 2007, 32, 383-393.	0.9	33
645	Computational Network Model Prediction of Hemodynamic Alterations Due to Arteriolar Remodeling in Interval Sprint Trained Skeletal Muscle. Microcirculation, 2007, 14, 181-192.	1.0	24
646	Both ADP and Thrombin Regulate Arteriolar Thrombus Stabilization and Embolization, but Are Not Involved in Initial Hemostasis as Induced by Micropuncture. Microcirculation, 2007, 14, 193-205.	1.0	39
647	Reduced plasma free fatty acid availability during exercise: effect on gene expression. European Journal of Applied Physiology, 2007, 99, 485-493.	1.2	23
648	Implications of chronic heart failure on peripheral vasculature and skeletal muscle before and after exercise training. Heart Failure Reviews, 2008, 13, 21-37.	1.7	92
649	Mitochondrial dysfunction, insulin resistance, and type 2 diabetes mellitus. Current Diabetes Reports, 2008, 8, 173-178.	1.7	124
650	Estimation of maximal heart rate using the relationship between heart rate variability and exercise intensity in 40â€“67Âyears old men. European Journal of Applied Physiology, 2008, 103, 25-32.	1.2	10
651	Inspiratory muscle training reduces blood lactate concentration during volitional hyperpnoea. European Journal of Applied Physiology, 2008, 104, 111-117.	1.2	44
652	Benefits of intervalâ€training on fatigue and functional capacities in Charcotâ€“Marieâ€“Tooth disease. Muscle and Nerve, 2008, 37, 601-610.	1.0	55
653	Control of lipid oxidation during exercise: role of energy state and mitochondrial factors. Acta Physiologica, 2008, 194, 283-291.	1.8	25

#	Article	IF	Citations
654	Endurance exercise performance: the physiology of champions. Journal of Physiology, 2008, 586, 35-44.	1.3	759
655	Repeated bouts of aerobic exercise lead to reductions in skeletal muscle free radical generation and nuclear factor ÎºB activation. Journal of Physiology, 2008, 586, 3979-3990.	1.3	88
656	Ultrastructure of the Mitochondrion and Its Bearing on Function and Bioenergetics. Antioxidants and Redox Signaling, 2008, 10, 1313-1342.	2.5	208
657	High-intensity aerobic interval training increases fat and carbohydrate metabolic capacities in human skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2008, 33, 1112-1123.	0.9	204
658	Skeletal Muscle Metabolic Adaptations to Training. , 0, , 70-83.		1
659	Muscle Physiology in Healthy Men and Women and Those with Metabolic Myopathies. Neurologic Clinics, 2008, 26, 115-148.	0.8	4
660	Exercise and the Treatment of Diabetes and Obesity. Endocrinology and Metabolism Clinics of North America, 2008, 37, 887-903.	1.2	51
661	Effect of Thiamine Pyrophosphate on Levels of Serum Lactate, Maximum Oxygen Consumption and Heart Rate in Athletes Performing Aerobic Activity. Journal of International Medical Research, 2008, 36, 1220-1226.	0.4	7
662	Effect of interval versus continuous training on cardiorespiratory and mitochondrial functions: relationship to aerobic performance improvements in sedentary subjects. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R264-R272.	0.9	261
663	The Role of Membrane Fatty-Acid Transporters in Regulating Skeletal Muscle Substrate Use during Exercise. Sports Medicine, 2008, 38, 387-399.	3.1	12
664	Sport-specific assessment of lactate threshold and aerobic capacity throughout a collegiate hockey season. Applied Physiology, Nutrition and Metabolism, 2008, 33, 1165-1171.	0.9	20
665	Exercise interval training: An improved stimulus for improving the physiology of pre-diabetes. Medical Hypotheses, 2008, 71, 752-761.	0.8	42
666	â€˜overshootâ€™ during moderate-intensity exercise in endurance-trained athletes: The influence of exercise modality. Respiratory Physiology and Neurobiology, 2008, 160, 139-146.	0.7	15
667	AMPK and PPARÎ´ Agonists Are Exercise Mimetics. Cell, 2008, 134, 405-415.	13.5	1,086
668	Dehydroepiandrosterone Replacement Therapy in Hypoadrenal Women: Protein Anabolism and Skeletal Muscle Function. Mayo Clinic Proceedings, 2008, 83, 1218-1225.	1.4	14
669	Protein for adaptations to exercise training. European Journal of Sport Science, 2008, 8, 107-118.	1.4	24
670	Effects of an eight-month weight-control program on body composition and lipid oxidation rate during exercise in obese children. Journal of Endocrinological Investigation, 2008, 31, 509-514.	1.8	15
671	Muscle insulin resistance: A case of fat overconsumption, not mitochondrial dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7627-7628.	3.3	53

#	Article	IF	Citations
672	Increased substrate oxidation and mitochondrial uncoupling in skeletal muscle of endurance-trained individuals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16701-16706.	3.3	94
673	Exercise and diet enhance fat oxidation and reduce insulin resistance in older obese adults. Journal of Applied Physiology, 2008, 104, 1313-1319.	1.2	146
674	Maximal Power and Performance during a Swim Taper. International Journal of Sports Medicine, 2008, 29, 500-506.	0.8	13
675	Metabolic, enzymatic, and transporter responses in human muscle during three consecutive days of exercise and recovery. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1238-R1250.	0.9	23
676	Rapid upregulation of GLUT-4 and MCT-4 expression during 16 h of heavy intermittent cycle exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R594-R600.	0.9	17
677	Effects of high-intensity training on muscle lactate transporters and postexercise recovery of muscle lactate and hydrogen ions in women. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1991-R1998.	0.9	61
678	Functional impact of high protein intake on healthy elderly people. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E921-E928.	1.8	104
679	Acquired obesity and poor physical fitness impair expression of genes of mitochondrial oxidative phosphorylation in monozygotic twins discordant for obesity. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E148-E154.	1.8	67
680	Skeletal muscle type comparison of pyruvate dehydrogenase phosphatase activity and isoform expression: effects of obesity and endurance training. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1224-R1230.	0.9	18
681	Erythropoietin Induces a Shift of Muscle Phenotype from Fast Glycolytic to Slow Oxidative. International Journal of Sports Medicine, 2008, 29, 460-465.	0.8	26
682	Effect of L-carnitine administration on the modulated rat brain protein concentration, acetylcholinesterase, Na+K+-ATPase and Mg2+-ATPase activities induced by forced swimming. British Journal of Sports Medicine, 2008, 42, 367-372.	3.1	13
683	Gene expression profiling of skeletal muscle in exercise-trained and sedentary rats with inborn high and low VO_{2max}. Physiological Genomics, 2008, 35, 213-221.	1.0	32
684	Minireview: Adenosine 5â€²-Monophosphate-Activated Protein Kinase Regulation of Fatty Acid Oxidation in Skeletal Muscle. Endocrinology, 2008, 149, 935-941.	1.4	60
685	High-fat diets cause insulin resistance despite an increase in muscle mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7815-7820.	3.3	466
686	Training at high exercise intensity promotes qualitative adaptations of mitochondrial function in human skeletal muscle. Journal of Applied Physiology, 2008, 104, 1436-1441.	1.2	83
687	The major limitation to exercise performance in COPD is lower limb muscle dysfunction. Journal of Applied Physiology, 2008, 105, 751-753.	1.2	92
688	Effects of Arms-Only Swimming Training on Performance, Movement Economy, and Aerobic Power. International Journal of Sports Physiology and Performance, 2008, 3, 294-304.	1.1	9
689	Effects of Endurance Training by Eccentric Contraction. Rigakuryoho Kagaku, 2008, 23, 285-289.	0.0	0

#	Article	IF	Citations
690	Bone Density of the Femur and Fiber Cross-Sectional Area and Oxidative Enzyme Activity of the Tibialis Anterior Muscle in Type II Collagen-Induced Arthritic Mice. Journal of Physiological Sciences, 2008, 58, 221-227.	0.9	6
691	Associations between physical activity, body fat, and insulin resistance (homeostasis model) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2008, 87, 586-592.	2.2	78
692	Body Composition and Fitness during Strength and/or Endurance Training in Older Men. Medicine and Science in Sports and Exercise, 2008, 40, 950-958.	0.2	92
693	Maximal Physiological Responses between Aquatic and Land Exercise in Overweight Women. Medicine and Science in Sports and Exercise, 2008, 40, 959-964.	0.2	26
695	Effects of chronic nitric oxide synthase inhibition on responses to acute exercise in swine. Journal of Applied Physiology, 2008, 104, 186-197.	1.2	23
696	Acute responses in muscle mitochondrial and cytosolic enzyme activities during heavy intermittent exercise. Journal of Applied Physiology, 2008, 104, 931-937.	1.2	19
697	AMP-Activated Protein Kinase-Regulated Activation of the PGC-1Î± Promoter in Skeletal Muscle Cells. PLoS ONE, 2008, 3, e3614.	1.1	175
698	Peripheral oxygen transport and utilization in rats following continued selective breeding for endurance running capacity. Journal of Applied Physiology, 2009, 106, 1819-1825.	1.2	49
699	ExercÃcio concorrente: anÃ¡lise do efeito agudo da ordem de execuÃ§Ã£o sobre o gasto energÃ©tico total. Revista Brasileira De Medicina Do Esporte, 2009, 15, 127-131.	0.1	7
700	Efeitos do treinamento de corrida em diferentes intensidades sobre a capacidade aerÃ³bia e produÃ§Ã£o de lactato pelo mÃºsculo de ratos Wistar. Revista Brasileira De Medicina Do Esporte, 2009, 15, 365-369.	0.1	4
701	Short-Term Exercise Training Does Not Stimulate Skeletal Muscle ATP Synthesis in Relatives of Humans With Type 2 Diabetes. Diabetes, 2009, 58, 1333-1341.	0.3	62
702	Predictors of cardiovascular fitness in sedentary men. Applied Physiology, Nutrition and Metabolism, 2009, 34, 99-106.	0.9	10
703	Carbon monoxide, skeletal muscle oxidative stress, and mitochondrial biogenesis in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H392-H399.	1.5	70
704	Dual-energy X-ray absorptiometry modeling to explain the increased resting energy expenditure associated with the HIV lipoatrophy syndrome. American Journal of Clinical Nutrition, 2009, 90, 1525-1531.	2.2	11
705	Mitochondrial Haplogroups Associated with Elite Kenyan Athlete Status. Medicine and Science in Sports and Exercise, 2009, 41, 123-128.	0.2	49
706	Effects of Strength and Endurance Training on Brain-derived Neurotrophic Factor and Insulin-like Growth Factor 1 in Humans. Hormone and Metabolic Research, 2009, 41, 250-254.	0.7	103
707	Anatomic capillarization is elevated in the medial gastrocnemius muscle of mighty mini mice. Journal of Applied Physiology, 2009, 106, 1660-1667.	1.2	25
708	Temporal pattern of skeletal muscle gene expression following endurance exercise in Alaskan sled dogs. Journal of Applied Physiology, 2009, 107, 605-612.	1.2	12

#	Article	IF	Citations
709	Regulation of Skeletal Muscle Physiology and Metabolism by Peroxisome Proliferator-Activated Receptor Î´. Pharmacological Reviews, 2009, 61, 373-393.	7.1	197
710	Influence of dietary creatine supplementation on muscle phosphocreatine kinetics during knee-extensor exercise in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R1078-R1087.	0.9	32
711	Failure of hypoxia to exaggerate the metabolic stress in working muscle following short-term training. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R593-R604.	0.9	7
712	Quercetin increases brain and muscle mitochondrial biogenesis and exercise tolerance. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R1071-R1077.	0.9	373
713	Time-dependent effects of short-term training on muscle metabolism during the early phase of exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1383-R1391.	0.9	13
714	Effects of exercise training and diet on lipid kinetics during free fatty acid-induced insulin resistance in older obese humans with impaired glucose tolerance. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E552-E559.	1.8	53
715	AMPK and the biochemistry of exercise: implications for human health and disease. Biochemical Journal, 2009, 418, 261-275.	1.7	375
716	p53 Improves Aerobic Exercise Capacity and Augments Skeletal Muscle Mitochondrial DNA Content. Circulation Research, 2009, 105, 705-712.	2.0	164
717	PGC-1Î± is coupled to HIF-1Î±-dependent gene expression by increasing mitochondrial oxygen consumption in skeletal muscle cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2188-2193.	3.3	172
718	Is Increased Dietary Protein Necessary or Beneficial for Individuals with a Physically Active Lifestyle?. Nutrition Reviews, 1996, 54, S169-S175.	2.6	68
719	Effect of hemodilution on maximal oxygen consumption, blood lactate response to exercise and cerebral blood flow in subjects with a highâ€affinity hemoglobin. European Journal of Haematology, 1991, 47, 268-276.	1.1	3
720	Substrate metabolism during exercise in the spinal cord injured. European Journal of Applied Physiology, 2009, 106, 187-193.	1.2	14
721	Does oxidative capacity affect energy cost? An in vivo MR investigation of skeletal muscle energetics. European Journal of Applied Physiology, 2009, 106, 229-242.	1.2	17
722	The relationship between monocarboxylate transporters 1 and 4 expression in skeletal muscle and endurance performance in athletes. European Journal of Applied Physiology, 2009, 106, 465-471.	1.2	10
723	Proteomic investigation of changes in human vastus lateralis muscle in response to intervalâ€exercise training. Proteomics, 2009, 9, 5155-5174.	1.3	94
724	The effects of four weeks of creatine supplementation and high-intensity interval training on cardiorespiratory fitness: a randomized controlled trial. Journal of the International Society of Sports Nutrition, 2009, 6, 18.	1.7	30
725	Muscleâ€specific VEGF deficiency greatly reduces exercise endurance in mice. Journal of Physiology, 2009, 587, 1755-1767.	1.3	127
726	Exercise: it's the real thing!. Nutrition Reviews, 2009, 67, 172-178.	2.6	98

#	Article	IF	Citations
727	Mitochondrial biogenesis in exercise and in ageingâ˜†. Advanced Drug Delivery Reviews, 2009, 61, 1369-1374.	6.6	192
728	The specificity of training prescription and physiological assessment: A review. Journal of Sports Sciences, 2009, 27, 575-589.	1.0	173
729	Impact of excess aldosterone on glucose homeostasis in adult male rat. Clinica Chimica Acta, 2009, 407, 51-57.	0.5	29
730	Effects of hindlimb unloading at early postnatal growth on cell body size in spinal motoneurons innervating soleus muscle of rats. International Journal of Developmental Neuroscience, 2009, 27, 21-26.	0.7	14
731	Quantification of mitochondrial DNA copy number: Pre-analytical factors. Mitochondrion, 2009, 9, 242-246.	1.6	108
732	Effects of endurance training on cardiorespiratory fitness and substrate partitioning in postmenopausal women. Metabolism: Clinical and Experimental, 2009, 58, 1338-1346.	1.5	23
733	Repeated-sprint ability in professional and amateur soccer players. Applied Physiology, Nutrition and Metabolism, 2009, 34, 1048-1054.	0.9	145
734	Exercise to Increase Cardiovascular Fitness. , 2009, , 45-61.		0
735	The signaling underlying FITnessThis paper is one of a selection of papers published in this Special Issue, entitled 14th International Biochemistry of Exercise ConferenceÂâ€“ Muscles as Molecular and Metabolic Machines, and has undergone the Journalâ€™s usual peer review process.. Applied Physiology, Nutrition and Metabolism, 2009, 34, 411-419.	0.9	26
736	Physiologic and molecular bases of muscle hypertrophy and atrophy: impact of resistance exercise on human skeletal muscle (protein and exercise dose effects)This paper is one of a selection of papers published in this Special Issue, entitled 14th International Biochemistry of Exercise ConferenceÂâ€“ Muscles as Molecular and Metabolic Machines, and has undergone the Journalâ€™s usual peer review process.. Applied Physiology, Nutrition and Metabolism, 2009, 34, 403-410.	0.9	86
737	Aerobic Conditioning for Team Sport Athletes. Sports Medicine, 2009, 39, 615-642.	3.1	97
738	Physiological Differences Between Cycling and Running. Sports Medicine, 2009, 39, 179-206.	3.1	216
739	Control of lipid oxidation at the mitochondrial levelThis paper article is one of a selection of papers published in this Special Issue, entitled 14th International Biochemistry of Exercise ConferenceÂâ€“ Muscles as Molecular and Metabolic Machines, and has undergone the Journalâ€™s usual peer review process.. Applied Physiology, Nutrition and Metabolism, 2009, 34, 382-388.	0.9	15
740	Control of skeletal muscle metabolic properties by the nuclear receptor corepressor RIP140This paper is one of a selection of papers published in this Special Issue, entitled 14th International Biochemistry of Exercise ConferenceÂâ€“ Muscles as Molecular and Metabolic Machines, and has undergone the Journalâ€™s usual peer review process.. Applied Physiology, Nutrition and Metabolism, 2009, 34, 362-367.	0.9	10
741	Correlation of levels of obstruction in COPD with lactate and six-minute walk test. Revista Portuguesa De Pneumologia, 2009, 15, 11-25.	0.7	9
742	Molecular responses to strength and endurance training: Are they incompatible?This paper article is one of a selection of papers published in this Special Issue, entitled 14th International Biochemistry of Exercise ConferenceÂâ€“ Muscles as Molecular and Metabolic Machines, and has undergone the Journalâ€™s usual peer review process.. Applied Physiology, Nutrition and Metabolism, 2009, 34, 355-361.	0.9	147
743	Muscle Physiology in Healthy Men and Women and Those with Metabolic Myopathies. Physical Medicine and Rehabilitation Clinics of North America, 2009, 20, 101-131.	0.7	0
744	Structural Protein Alterations to Resistance and Endurance Cycling Exercise Training. Journal of Strength and Conditioning Research, 2009, 23, 359-365.	1.0	11

#	Article	IF	Citations
745	Comparison of Two Lower-Body Modes of Endurance Training on Lower-Body Strength Development While Concurrently Training. Journal of Strength and Conditioning Research, 2009, 23, 979-987.	1.0	41
746	A sex-specific relationship between capillary density and anaerobic threshold. Journal of Applied Physiology, 2009, 106, 1181-1186.	1.2	19
747	Dietary quercetin supplementation is not ergogenic in untrained men. Journal of Applied Physiology, 2009, 107, 1095-1104.	1.2	70
748	Strength Training Improves Submaximum Cardiovascular performance in Older Men. Journal of Geriatric Physical Therapy, 2009, 32, 117-124.	0.6	32
751	Quercetin's Influence on Exercise Performance and Muscle Mitochondrial Biogenesis. Medicine and Science in Sports and Exercise, 2010, 42, 338-345.	0.2	150
752	Resistance exercise and appropriate nutrition to counteract muscle wasting and promote muscle hypertrophy. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 630-634.	1.3	71
753	Faster Pulmonary Oxygen Uptake Kinetics in Trained versus Untrained Male Adolescents. Medicine and Science in Sports and Exercise, 2010, 42, 127-134.	0.2	37
754	Strength Training For Distance Running: A Scientific Perspective. Strength and Conditioning Journal, 2010, 32, 83-86.	0.7	9
755	Commentaries on Viewpoint: Gold standards for scientists who are conducting animal-based exercise studies. Journal of Applied Physiology, 2010, 108, 222-225.	1.2	19
756	Gold standards for scientists who are conducting animal-based exercise studies. Journal of Applied Physiology, 2010, 108, 219-221.	1.2	42
757	The Dietary Flavonoid Quercetin Increases VO2max and Endurance Capacity. International Journal of Sport Nutrition and Exercise Metabolism, 2010, 20, 56-62.	1.0	113
758	Temporal and spatial patterns of gene expression in skeletal muscles in response to swim training in adult zebrafish (Danio rerio). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 151-160.	0.7	60
759	Seven days of muscle re-loading and voluntary wheel running following hindlimb suspension in mice restores running performance, muscle morphology and metrics of fatigue but not muscle strength. Journal of Muscle Research and Cell Motility, 2010, 31, 141-153.	0.9	20
760	Skeletal muscle insulin resistance: the interplay of local lipid excess and mitochondrial dysfunction. Metabolism: Clinical and Experimental, 2010, 59, 70-85.	1.5	46
761	Arm and leg substrate utilization and muscle adaptation after prolonged lowâ€intensity training. Acta Physiologica, 2010, 199, 519-528.	1.8	32
762	Training for intense exercise performance: highâ€intensity or highâ€volume training?. Scandinavian Journal of Medicine and Science in Sports, 2010, 20, 1-10.	1.3	253
763	Increased fatigue resistance linked to Ca²⁺-stimulated mitochondrial biogenesis in muscle fibres of cold-acclimated mice. Journal of Physiology, 2010, 588, 4275-4288.	1.3	71
764	Repeated transient mRNA bursts precede increases in transcriptional and mitochondrial proteins during training in human skeletal muscle. Journal of Physiology, 2010, 588, 4795-4810.	1.3	431

#	Article	IF	Citations
765	REPEATED SHORT-TERM SPRINT PERFORMANCE OF ADULTS ON A NON-MOTORISED TREADMILL USING DIFFERENT WORK-TO-REST RATIOS. , 2010, , .		0
766	Skeletal Muscle Dysfunction in Patients with Chronic Obstructive Pulmonary Disease. Tuberculosis and Respiratory Diseases, 2010, 68, 125.	0.7	8
767	Skeletal muscle structural and energetic characteristics in subjects with sickle cell trait, Î±-thalassemia, or dual hemoglobinopathy. Journal of Applied Physiology, 2010, 109, 728-734.	1.2	16
768	Variations in lactate during a graded exercise test due to sampling location and method. Comparative Exercise Physiology, 2010, 7, 81-87.	0.3	5
769	Fiber Phenotype and Coenzyme Q₁₀ Content in Turkey Skeletal Muscles. Cells Tissues Organs, 2010, 192, 382-394.	1.3	8
770	A-Z of nutritional supplements: dietary supplements, sports nutrition foods and ergogenic aids for health and performance--part 12. British Journal of Sports Medicine, 2010, 44, 905-907.	3.1	5
771	Dietary nitrate supplementation enhances muscle contractile efficiency during knee-extensor exercise in humans. Journal of Applied Physiology, 2010, 109, 135-148.	1.2	484
772	Myocyte vascular endothelial growth factor is required for exercise-induced skeletal muscle angiogenesis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1059-R1067.	0.9	98
773	Pathogenesis of Insulin Resistance in Skeletal Muscle. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-19.	3.0	441
774	Dose-Response Relationship Between Interval Training Frequency and Magnitude of Improvement in Lactate Threshold. International Journal of Sports Medicine, 2010, 31, 567-571.	0.8	11
775	Muscle contractile activity regulates Sirt3 protein expression in rat skeletal muscles. Journal of Applied Physiology, 2010, 109, 332-340.	1.2	71
776	Sodium bicarbonate ingestion prior to training improves mitochondrial adaptations in rats. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E225-E233.	1.8	44
777	High-intensity interval training increases SIRT1 activity in human skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2010, 35, 350-357.	0.9	85
779	Influence of dietary fatty acid composition and exercise on changes in fat oxidation from a high-fat diet. Journal of Applied Physiology, 2010, 109, 1011-1018.	1.2	21
780	Intramuscular triacylglycerol and insulin resistance: Guilty as charged or wrongly accused?. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 281-288.	1.2	125
781	Regulation of Skeletal Muscle Oxidative Capacity and Insulin Signaling by the Mitochondrial Rhomboid Protease PARL. Cell Metabolism, 2010, 11, 412-426.	7.2	81
782	Exercise training increases sarcolemmal and mitochondrial fatty acid transport proteins in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E180-E188.	1.8	119
783	Muscular and metabolic responses to moderateâ€intensity shortâ€term training. Equine Veterinary Journal, 1999, 31, 311-317.	0.9	6

#	Article	IF	Citations
784	Circulating angiotensin converting enzyme in endurance horses: effect of exercise on blood levels and its value in predicting performance. Equine Veterinary Journal, 2010, 42, 152-154.	0.9	3
785	Moderate and high intensity sprint exercise induce differential responses inCOX4I2andPDK4gene expression in Thoroughbred horse skeletal muscle. Equine Veterinary Journal, 2010, 42, 576-581.	0.9	23
786	The Effect of Exercise on Haemodynamics in Intermittent Claudication. Sports Medicine, 2010, 40, 433-447.	3.1	48
787	The champions' mitochondria: is it genetically determined? A review on mitochondrial DNA and elite athletic performance. Physiological Genomics, 2011, 43, 789-798.	1.0	41
788	Run Sprint Interval Training Improves Aerobic Performance but Not Maximal Cardiac Output. Medicine and Science in Sports and Exercise, 2011, 43, 115-122.	0.2	196
789	An acute bout of high-intensity interval training increases the nuclear abundance of PGC-1Î± and activates mitochondrial biogenesis in human skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1303-R1310.	0.9	252
790	Strategies to Optimize Concurrent Training of Strength and Aerobic Fitness for Rowing and Canoeing. Sports Medicine, 2011, 41, 329-343.	3.1	83
791	Exercise and the Treatment of Diabetes and Obesity. Medical Clinics of North America, 2011, 95, 953-969.	1.1	33
792	Exercise and Type 2 diabetes: the metabolic benefits and challenges. Diabetes Management, 2011, 1, 575-587.	0.5	1
793	Fat adaptation in well-trained athletes: effects on cell metabolism. Applied Physiology, Nutrition and Metabolism, 2011, 36, 12-22.	0.9	87
794	Trimetazidine improves exercise performance in patients with peripheral arterial disease. Pharmacological Research, 2011, 63, 278-283.	3.1	37
795	Does calorie restriction induce mitochondrial biogenesis? A reevaluation. FASEB Journal, 2011, 25, 785-791.	0.2	118
796	Malleability of human skeletal muscle sarcoplasmic reticulum to short-term training. Applied Physiology, Nutrition and Metabolism, 2011, 36, 904-912.	0.9	10
797	Effect of resistance training regimens on treadmill running and neuromuscular performance in recreational endurance runners. Journal of Sports Sciences, 2011, 29, 1359-1371.	1.0	68
798	Can Dietary Nitrates Enhance the Efficiency of Mitochondria?. Cell Metabolism, 2011, 13, 117-118.	7.2	9
799	Exercise Genomics. , 2011, , .		1
800	Protein carbonyls in meat systems: A review. Meat Science, 2011, 89, 259-279.	2.7	813
801	Cambios en la variabilidad de la frecuencia cardiaca (VFC) en jugadores de hockey hierba durante el Campeonato del Mundo de 2006. Apunts Medicine De L'Esport, 2011, 46, 117-123.	0.5	6

#	Article	IF	Citations
802	Oxygen Uptake, Velocity at Lactate Threshold, and Running Economy in Elite Special Forces. Military Medicine, 2011, 176, 218-221.	0.4	8
803	Resistance training associated with the administration of anabolic-androgenic steroids improves insulin sensitivity in ovariectomized rats. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2011, 4, 385.	1.1	6
804	Aerobic Exercise Training Adaptations Are Increased by Postexercise Carbohydrate-Protein Supplementation. Journal of Nutrition and Metabolism, 2011, 2011, 1-11.	0.7	51
805	Lifestyle Modification to Promote Weight Loss in the Absence of Energy Restriction. Journal of Nutrition and Metabolism, 2011, 2011, 1-2.	0.7	0
806	Highly Athletic Terrestrial Mammals: Horses and Dogs. , 2011, 1, 1-37.		60
807	Velocity at Lactate Threshold and Running Economy Must Also be Considered Along With Maximal Oxygen Uptake When Testing Elite Soccer Players During Preseason. Journal of Strength and Conditioning Research, 2011, 25, 414-419.	1.0	46
808	Effect of Muscle Strength Training and Muscle Endurance Training on Muscle Deoxygenation Level and Endurance Performance. Journal of Physical Therapy Science, 2011, 23, 349-355.	0.2	8
809	Effects of combined endurance and strength training on muscle strength, power and hypertrophy in 40â€“67â€yearâ€old men. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 402-411.	1.3	81
810	Effect of endurance training supplemented with green tea extract on substrate metabolism during exercise in humans. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 598-605.	1.3	44
811	Reactive oxygen and nitrogen species as intracellular signals in skeletal muscle. Journal of Physiology, 2011, 589, 2129-2138.	1.3	256
812	(â€“)â€Epicatechin enhances fatigue resistance and oxidative capacity in mouse muscle. Journal of Physiology, 2011, 589, 4615-4631.	1.3	162
813	Normal mitochondrial function and increased fat oxidation capacity in leg and arm muscles in obese humans. International Journal of Obesity, 2011, 35, 99-108.	1.6	81
814	The effect of pedal rate on pulmonary O2 uptake kinetics during very heavy intensity exercise in trained and untrained teenage boys. Respiratory Physiology and Neurobiology, 2011, 177, 149-154.	0.7	16
815	Mitochondrial biogenesis and angiogenesis in skeletal muscle of the elderly. Experimental Gerontology, 2011, 46, 670-8.	1.2	48
816	Influence of exercise on nutritional requirements. European Journal of Applied Physiology, 2011, 111, 379-390.	1.2	20
817	Pulmonary oxygen uptake and muscle deoxygenation kinetics during recovery in trained and untrained male adolescents. European Journal of Applied Physiology, 2011, 111, 2775-2784.	1.2	11
818	Human plasma inflammatory response during 5 days of exercise training in the heat. Journal of Thermal Biology, 2011, 36, 277-282.	1.1	13
819	2â€Ð DIGE analysis of the mitochondrial proteome from human skeletal muscle reveals time courseâ€dependent remodelling in response to 14 consecutive days of endurance exercise training. Proteomics, 2011, 11, 1413-1428.	1.3	68

#	Article	IF	Citations
820	Exercise training enhances the skeletal muscle response to radiationâ€induced oxidative stress. Muscle and Nerve, 2011, 43, 58-64.	1.0	36
821	The relationship between human skeletal muscle pyruvate dehydrogenase phosphatase activity and muscle aerobic capacity. Journal of Applied Physiology, 2011, 111, 427-434.	1.2	11
822	Skeletal muscle lipid flux: running water carries no poison. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E245-E251.	1.8	24
823	Regulation of Mitochondrial Biogenesis and GLUT4 Expression by Exercise. , 2011, 1, 921-940.		67
824	The nuclear receptor PPARÎ²/Î´ programs muscle glucose metabolism in cooperation with AMPK and MEF2. Genes and Development, 2011, 25, 2619-2630.	2.7	122
825	Mitochondrial haplogroups associated with elite Japanese athlete status. British Journal of Sports Medicine, 2011, 45, 1179-1183.	3.1	30
826	Intraspecific variation in the thermal plasticity of mitochondria in killifish. Journal of Experimental Biology, 2011, 214, 3639-3648.	0.8	51
827	Transcriptome and translational signaling following endurance exercise in trained skeletal muscle: impact of dietary protein. Physiological Genomics, 2011, 43, 1004-1020.	1.0	50
828	Low-Volume Interval Training Improves Muscle Oxidative Capacity in Sedentary Adults. Medicine and Science in Sports and Exercise, 2011, 43, 1849-1856.	0.2	269
829	Combined Effects of Whole-Body Vibration, Resistance Exercise, and Vascular Occlusion on Skeletal Muscle and Performance. International Journal of Sports Medicine, 2011, 32, 781-787.	0.8	9
830	Exercise Dose Response in Muscle. International Journal of Sports Medicine, 2012, 33, 218-223.	0.8	14
831	Different Timing of Changes in Mitochondrial Functions following Endurance Training. Medicine and Science in Sports and Exercise, 2012, 44, 217-224.	0.2	39
832	Assessing Exercise Limitation Using Cardiopulmonary Exercise Testing. Pulmonary Medicine, 2012, 2012, 1-13.	0.5	79
833	Alveolar gas exchange and tissue oxygenation during incremental treadmill exercise, and their associations with blood O2 carrying capacity. Frontiers in Physiology, 2012, 3, 265.	1.3	15
834	Neuromuscular and Cardiovascular Adaptations During Concurrent Strength and Endurance Training in Untrained Men. International Journal of Sports Medicine, 2012, 33, 702-710.	0.8	54
835	Exercise and the Liver: Implications for Therapy in Fatty Liver Disorders. Seminars in Liver Disease, 2012, 32, 065-079.	1.8	53
836	Acute Free Fatty Acid Elevation Eliminates Endurance Training Effect on Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2890-2897.	1.8	12
837	Depletion of the p43 mitochondrial T3 receptor in mice affects skeletal muscle development and activity. FASEB Journal, 2012, 26, 748-756.	0.2	47

#	Article	IF	Citations
839	Blood Flow Restriction Exercise in Sprinters and Endurance Runners. Medicine and Science in Sports and Exercise, 2012, 44, 413-419.	0.2	33
840	p53. Current Opinion in Oncology, 2012, 24, 76-82.	1.1	29
841	Variation in the HIF1A Gene in Elite Rowers. Journal of Strength and Conditioning Research, 2012, 26, 3270-3274.	1.0	5
842	Exposure to cigarette smoke induces overexpression of von Hippel-Lindau tumor suppressor in mouse skeletal muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L519-L527.	1.3	32
843	Mild heat stress induces mitochondrial biogenesis in C2C12 myotubes. Journal of Applied Physiology, 2012, 112, 354-361.	1.2	109
844	Influence of Training Status and Maturity on Pulmonary O2 Uptake Recovery Kinetics Following Cycle and Upper Body Exercise in Girls. Pediatric Exercise Science, 2012, 24, 246-261.	0.5	8
845	Literature Review onÂthe Ergogenic Effects of Quercetin. , 2012, , 165-180.		0
846	Exercise acts as a drug; the pharmacological benefits of exercise. British Journal of Pharmacology, 2012, 167, 1-12.	2.7	307
847	Regulation of mitochondrial function and energetics by reactive nitrogen oxides. Free Radical Biology and Medicine, 2012, 53, 1919-1928.	1.3	73
848	Effects of regular physical activity on skeletal muscle structural, energetic, and microvascular properties in carriers of sickle cell trait. Journal of Applied Physiology, 2012, 113, 549-556.	1.2	8
849	Exercise training and muscle microvascular oxygenation: functional role of nitric oxide. Journal of Applied Physiology, 2012, 113, 557-565.	1.2	39
850	Proteomic profiling of skeletal muscle in an animal model of overtraining. Proteomics, 2012, 12, 2663-2667.	1.3	13
851	Endurance training decreases the nonâ€linearity in the oxygen uptakeâ€“power output relationship in humans. Experimental Physiology, 2012, 97, 386-399.	0.9	27
852	Regulation and limitations to fatty acid oxidation during exercise. Journal of Physiology, 2012, 590, 1059-1068.	1.3	107
853	Improvements in skeletal muscle strength and cardiac function induced by resveratrol during exercise training contribute to enhanced exercise performance in rats. Journal of Physiology, 2012, 590, 2783-2799.	1.3	138
854	Impaired mitochondrial respiration and decreased fatigue resistance followed by severe muscle weakness in skeletal muscle of mitochondrial DNA mutator mice. Journal of Physiology, 2012, 590, 6187-6197.	1.3	30
855	Oxidative power and intracellular distribution of mitochondria control cell oxygen regime when arterial hypoxemia occurs. Biophysics (Russian Federation), 2012, 57, 628-633.	0.2	5
856	Effect of physical activity and sun exposure on vitamin D status of Saudi children and adolescents. BMC Pediatrics, 2012, 12, 92.	0.7	107

#	Article	IF	Citations
857	Contributions of phenotypic plasticity to differences in thermogenic performance between highland and lowland deer mice. Journal of Experimental Biology, 2012, 216, 1160-6.	0.8	73
858	Role of PGCâ€1Î± signaling in skeletal muscle health and disease. Annals of the New York Academy of Sciences, 2012, 1271, 110-117.	1.8	200
859	Mitochondrial Abnormalities in Alzheimerâ€™s Disease. Advances in Pharmacology, 2012, 64, 83-126.	1.2	66
860	Exercise Training and Peripheral Arterial Disease. , 2012, 2, 2933-3017.		109
861	KÃ¶rperliches Training bei mitochondrialen Erkrankungen. Medizinische Genetik, 2012, 24, 200-203.	0.1	1
862	Oxygen Uptake Kinetics. , 2012, 2, 933-996.		364
863	Metabolic Regulation of Fat Use during Exercise and in Recovery. Nestle Nutrition Institute Workshop Series, 2012, 69, 39-58.	1.5	3
864	Interaction between Overtraining and the Interindividual Variability May (Not) Trigger Muscle Oxidative Stress and Cardiomyocyte Apoptosis in Rats. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-11.	1.9	17
865	Can increases in capillarization explain the early adaptations in metabolic regulation in human muscle to short-term training?. Canadian Journal of Physiology and Pharmacology, 2012, 90, 557-566.	0.7	11
866	Mitochondrial function in sparrow pectoralis muscle. Journal of Experimental Biology, 2012, 215, 2039-2050.	0.8	31
867	The energetics of ultra-endurance running. European Journal of Applied Physiology, 2012, 112, 1709-1715.	1.2	40
868	Oxidative capacity and fatigability in runâ€trained malignant hyperthermiaâ€“susceptible mice. Muscle and Nerve, 2012, 45, 586-596.	1.0	6
869	Effect of exercise training on insulin sensitivity, mitochondria and computed tomography muscle attenuation in overweight women with and without polycystic ovary syndrome. Diabetologia, 2012, 55, 1424-1434.	2.9	52
870	Effects of training at mild exercise intensities on quadriceps muscle energy metabolism in patients with chronic obstructive pulmonary disease. Acta Physiologica, 2012, 205, 236-246.	1.8	16
871	Postactivation potentiation and muscular endurance training. Muscle and Nerve, 2012, 45, 416-425.	1.0	21
872	Computational Model of Cellular Metabolic Dynamics in Skeletal Muscle Fibers During Moderate Intensity Exercise. Cellular and Molecular Bioengineering, 2012, 5, 92-112.	1.0	18
873	Alterations in muscular oxidative metabolism parameters in incremental treadmill exercise test in untrained rats. European Journal of Applied Physiology, 2012, 112, 387-396.	1.2	9
874	Muscle endurance and mitochondrial function after chronic normobaric hypoxia: contrast of respiratory and limb muscles. Pflugers Archiv European Journal of Physiology, 2012, 463, 327-338.	1.3	40

#	Article	IF	Citations
875	Effects of sprint interval training on <scp>VO</scp>_{2max} and aerobic exercise performance: A systematic review and metaâ€analysis. Scandinavian Journal of Medicine and Science in Sports, 2013, 23, e341-52.	1.3	221
876	Resistance training induced increase in VO2max in young and older subjects. European Review of Aging and Physical Activity, 2013, 10, 107-116.	1.3	57
877	Role of exercise duration on metabolic adaptations in working muscle to short-term moderate-to-heavy aerobic-based cycle training. European Journal of Applied Physiology, 2013, 113, 1965-1978.	1.2	7
878	Combined whole-body vibration, resistance exercise, and sustained vascular occlusion increases PGC-1Î± and VEGF mRNA abundances. European Journal of Applied Physiology, 2013, 113, 1081-1090.	1.2	21
879	Lactate flux and gluconeogenesis in fasting, weaned northern elephant seals (Mirounga) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 Td (a Physiology, 2013, 183, 537-546.	0.7	25
880	Intermittent Claudication: New Targets for Drug Development. Drugs, 2013, 73, 999-1014.	4.9	11
881	Resveratrol enhances exercise training responses in rats selectively bred for high running performance. Food and Chemical Toxicology, 2013, 61, 53-59.	1.8	75
882	Effects of high-intensity interval training on aerobic and anaerobic indices: Comparison of physically active and inactive men. Science and Sports, 2013, 28, e119-e125.	0.2	13
883	Mechanisms Modulating Skeletal Muscle Phenotype. , 2013, 3, 1645-1687.		191
884	Resistance exercise training for fibromyalgia. The Cochrane Library, 2013, , CD010884.	1.5	158
885	Regulation of cellular metabolism: programming and maintaining metabolic homeostasis. Journal of Applied Physiology, 2013, 115, 1583-1588.	1.2	32
886	Alveolar gas exchange, oxygen delivery and tissue deoxygenation in men and women during incremental exercise. Respiratory Physiology and Neurobiology, 2013, 188, 102-112.	0.7	19
888	A systematic review of pre-surgical exercise intervention studies with cancer patients. Surgical Oncology, 2013, 22, 92-104.	0.8	172
889	Improved exercise performance and increased aerobic capacity after endurance training of patients with stable polymyositis and dermatomyositis. Arthritis Research and Therapy, 2013, 15, R83.	1.6	80
890	Association of prediagnostic physical activity with survival following breast cancer diagnosis: influence of TP53 mutation status. Cancer Causes and Control, 2013, 24, 2177-2186.	0.8	11
891	â€˜Sarcobesityâ€™: A metabolic conundrum. Maturitas, 2013, 74, 109-113.	1.0	78
892	Muscle uncoupling protein 3 overexpression mimics endurance training and reduces circulating biomarkers of incomplete Î²â€oxidation. FASEB Journal, 2013, 27, 4213-4225.	0.2	43
893	Adaptations in muscle metabolic regulation require only a small dose of aerobic-based exercise. European Journal of Applied Physiology, 2013, 113, 313-324.	1.2	7

#	Article	IF	Citations
894	Regulation of Cellular Gas Exchange, Oxygen Sensing, and Metabolic Control. , 2013, 3, 1135-1190.		59
895	Electrically Induced Resistance Training in Individuals With Motor Complete Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2013, 94, 2166-2173.	0.5	64
896	Mammalian target of rapamycin pathway is up-regulated by both acute endurance exercise and chronic muscle contraction in rat skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2013, 38, 862-869.	0.9	16
897	Influence of nitrate supplementation on <scp>VO₂</scp> kinetics and endurance of elite cyclists. Scandinavian Journal of Medicine and Science in Sports, 2013, 23, e21-31.	1.3	108
898	Exercise Metabolism and the Molecular Regulation of Skeletal Muscle Adaptation. Cell Metabolism, 2013, 17, 162-184.	7.2	1,502
899	The Effect of Exercise on Fitness and Performance-Based Tests of Function in Intermittent Claudication: A Systematic Review. Sports Medicine, 2013, 43, 513-524.	3.1	36
900	What are the Exercise-Based Injury Prevention Recommendations for Recreational Alpine Skiing and Snowboarding?. Sports Medicine, 2013, 43, 355-366.	3.1	41
901	Effects of exerciseâ€induced intracellular acidosis on the phosphocreatine recovery kinetics: a ³¹P MRS study in three muscle groups in humans. NMR in Biomedicine, 2013, 26, 1403-1411.	1.6	42
902	Role of PGC-1Î± in muscle function and aging. Journal of Sport and Health Science, 2013, 2, 81-86.	3.3	20
903	Mitochondrial and skeletal muscle health with advancing age. Molecular and Cellular Endocrinology, 2013, 379, 19-29.	1.6	46
904	Sildenafil Increases Muscle Protein Synthesis and Reduces Muscle Fatigue. Clinical and Translational Science, 2013, 6, 463-468.	1.5	29
905	Î²-Adrenergic stimulation does not activate p38 MAP kinase or induce PGC-1Î± in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E844-E852.	1.8	19
906	Exercise training increases the expression and nuclear localization of mRNA destabilizing proteins in skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R822-R831.	0.9	10
907	Evaluation of isometric muscle strength and magnitude of hand dominance in right-handed school-age boys. International Journal of Rehabilitation Research, 2013, 36, 118-126.	0.7	1
908	Shortâ€term training alters the control of mitochondrial respiration rate before maximal oxidative ATP synthesis. Acta Physiologica, 2013, 208, 376-386.	1.8	18
909	Factors affecting energy cost of running during an ultra-endurance race. Journal of Experimental Biology, 2014, 217, 787-95.	0.8	28
910	Resistance Training for Diabetes Prevention and Therapy: Experimental Findings and Molecular Mechanisms. BioMed Research International, 2013, 2013, 1-8.	0.9	73
911	PHARMACOLOGICAL EXERCISE MIMETICS IN THERAPY: DELUSION OR FUTURE?. Acta Medica Medianae, 2013, , 58-62.	0.0	0

#	Article	IF	Citations
912	Nandrolone attenuates aortic adaptation to exercise in rats. Cardiovascular Research, 2013, 97, 686-695.	1.8	24
913	The Effect of Green Tea Extract on Fat Oxidation at Rest and during Exercise: Evidence of Efficacy and Proposed Mechanisms. Advances in Nutrition, 2013, 4, 129-140.	2.9	61
914	The Effects of Chronic Sodium Bicarbonate Ingestion and Interval Training in Highly Trained Rowers. International Journal of Sport Nutrition and Exercise Metabolism, 2013, 23, 40-47.	1.0	31
915	Effect of Exercise on the Skeletal Muscle Proteome in Patients with Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2013, 45, 1069-1076.	0.2	40
916	Skeletal Muscle Metabolism in Endurance Athletes with Near-Infrared Spectroscopy. Medicine and Science in Sports and Exercise, 2013, 45, 869-875.	0.2	59
917	Long-term quercetin supplementation reduces lipid peroxidation but does not improve performance in endurance runners. Open Access Journal of Sports Medicine, 2013, 4, 53.	0.6	19
918	Identification and Validation of Novel Contraction-Regulated Myokines Released from Primary Human Skeletal Muscle Cells. PLoS ONE, 2013, 8, e62008.	1.1	175
919	Black Tea High-Molecular-Weight Polyphenol Stimulates Exercise Training-Induced Improvement of Endurance Capacity in Mouse via the Link between AMPK and GLUT4. PLoS ONE, 2013, 8, e69480.	1.1	25
920	Dissociation of Increases in PGC-1Î± and Its Regulators from Exercise Intensity and Muscle Activation Following Acute Exercise. PLoS ONE, 2013, 8, e71623.	1.1	89
921	Relationship between Repeated Sprint Ability and Aerobic Capacity in Professional Soccer Players. Scientific World Journal, The, 2013, 2013, 1-5.	0.8	26
922	O grau de melhora na funÃ§Ã£o das cÃ©lulas progenitoras endoteliais derivadas da medula Ã³ssea Ã© dependente do volume de treinamento fÃsico aerÃ³bio. Revista Brasileira De Medicina Do Esporte, 2013, 19, 260-266.	0.1	1
923	Experimental Studies of the Molecular Pathways Regulated by Exercise and Resveratrol in Heart, Skeletal Muscle and the Vasculature. Molecules, 2014, 19, 14919-14947.	1.7	26
924	Individual Responses to Completion of Short-Term and Chronic Interval Training: A Retrospective Study. PLoS ONE, 2014, 9, e97638.	1.1	62
925	Pre-Exercise Nutrition: The Role of Macronutrients, Modified Starches and Supplements on Metabolism and Endurance Performance. Nutrients, 2014, 6, 1782-1808.	1.7	87
926	Increased lactate threshold after five weeks of treadmill aerobic training in rats. Brazilian Journal of Biology, 2014, 74, 444-449.	0.4	5
927	THE RELATIONSHIP BETWEEN THE NUMBER OF REPETITIONS PERFORMED AT GIVEN INTENSITIES IS DIFFERENT IN ENDURANCE AND STRENGTH TRAINED ATHLETES. Biology of Sport, 2014, 31, 157-161.	1.7	95
928	THE ROLE OF AEROBIC CAPACITY IN HIGH-INTENSITY INTERMITTENT EFFORTS IN ICE-HOCKEY. Biology of Sport, 2014, 31, 193-195.	1.7	46
929	Exercise, Hypoglycemia, and Type 1 Diabetes. Diabetes Technology and Therapeutics, 2014, 16, 331-337.	2.4	36

#	Article	IF	Citations
930	Irisin, a Link among Fatty Liver Disease, Physical Inactivity and Insulin Resistance. International Journal of Molecular Sciences, 2014, 15, 23163-23178.	1.8	61
931	Day 2. Posters â€“ Sport and Performance. Journal of Sports Sciences, 2014, 32, s93-s100.	1.0	3
932	Heart and vessels. , 2014, , 667-694.		13
933	Exploring the effect of exercise on the transcriptome of zebrafish larvae (Danio rerio). Journal of Applied Ichthyology, 2014, 30, 728-739.	0.3	14
934	Reducing the volume of sprint interval training does not diminish maximal and submaximal performance gains in healthy men. European Journal of Applied Physiology, 2014, 114, 2427-2436.	1.2	43
935	A 3-year school-based exercise intervention improves muscle strength - a prospective controlled population-based study in 223 children. BMC Musculoskeletal Disorders, 2014, 15, 353.	0.8	14
936	Variable Duration of Decaffeinated Green Tea Extract Ingestion on Exercise Metabolism. Medicine and Science in Sports and Exercise, 2014, 46, 1185-1193.	0.2	16
937	Do the Benefits of Strength Training Out-Weigh the Dangers for Endurance Athletes?. Strength and Conditioning Journal, 2014, 36, 49-51.	0.7	3
938	Resveratrol Attenuates Exercise-Induced Adaptive Responses in Rats Selectively Bred for Low Running Performance. Dose-Response, 2014, 12, dose-response.1.	0.7	22
939	Mechanisms responsible for the acceleration of pulmonary VÌ‡<scp>o</scp>₂on-kinetics in humans after prolonged endurance training. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1101-R1114.	0.9	39
940	Exercise Physiology of the Canine Athlete. , 2014, , 162-179.		3
941	Calcium's Role in Mechanotransduction during Muscle Development. Cellular Physiology and Biochemistry, 2014, 33, 249-272.	1.1	11,109
942	Palmitate interaction with physiological states of myoglobin. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 656-666.	1.1	28
943	Physical Exercise and Epigenetic Modulation: Elucidating Intricate Mechanisms. Sports Medicine, 2014, 44, 429-436.	3.1	65
944	Markers of Human Skeletal Muscle Mitochondrial Biogenesis and Quality Control: Effects of Age and Aerobic Exercise Training. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 371-378.	1.7	138
945	Highâ€intensity interval training alters <scp>ATP</scp> pathway flux during maximal muscle contractions in humans. Acta Physiologica, 2014, 211, 147-160.	1.8	19
946	The Structural Basis of Biological Energy Generation. Advances in Photosynthesis and Respiration, 2014, , .	1.0	4
947	Interference between Concurrent Resistance and Endurance Exercise: Molecular Bases and the Role of Individual Training Variables. Sports Medicine, 2014, 44, 743-762.	3.1	224

#	Article	IF	Citations
948	Antioxidant and anti-inflammatory effects of exercise: role of redox signaling. Free Radical Research, 2014, 48, 3-11.	1.5	31
949	Sprint Interval Training Effects on Aerobic Capacity: A Systematic Review and Meta-Analysis. Sports Medicine, 2014, 44, 269-279.	3.1	228
950	Mitochondrial function in metabolic health: A genetic and environmental tug of war. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1285-1294.	1.1	23
951	Maximal oxygen consumption in healthy humans: theories and facts. European Journal of Applied Physiology, 2014, 114, 2007-2036.	1.2	52
952	Efeitos do treinamento intervalado em variÃ¡veis fisiolÃ³gicas e na performance de ciclistas competitivos. Revista Andaluza De Medicina Del Deporte, 2014, 7, 83-89.	0.1	4
953	Skeletal muscle abnormalities and exercise intolerance in older patients with heart failure and preserved ejection fraction. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1364-H1370.	1.5	258
954	Skeletal myofiber VEGF is essential for the exercise training response in adult mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R586-R595.	0.9	73
955	CLA Supplementation and Aerobic Exercise Lower Blood Triacylglycerol, but Have No Effect on Peak Oxygen Uptake or Cardiorespiratory Fatigue Thresholds. Lipids, 2014, 49, 871-880.	0.7	17
956	Can supplementation with vitamin C and E alter physiological adaptations to strength training?. BMC Sports Science, Medicine and Rehabilitation, 2014, 6, 28.	0.7	23
957	Skeletal muscle microvascular oxygenation dynamics in heart failure: exercise training and nitric oxide-mediated function. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H690-H698.	1.5	32
958	Influence of aerobic exercise intensity on myofibrillar and mitochondrial protein synthesis in young men during early and late postexercise recovery. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1025-E1032.	1.8	107
959	Neuropsychological and physiological correlates of fatigue following traumatic brain injury. Brain Injury, 2014, 28, 389-397.	0.6	31
960	Physiological Functions of Peroxisome Proliferator-Activated Receptor Î². Physiological Reviews, 2014, 94, 795-858.	13.1	133
961	High-Fat Dietâ€“Induced Mitochondrial Biogenesis Is Regulated by Mitochondrial-Derived Reactive Oxygen Species Activation of CaMKII. Diabetes, 2014, 63, 1907-1913.	0.3	72
962	Physical activity, ethnicity and cardio-metabolic health: Does one size fit all?. Atherosclerosis, 2014, 232, 319-333.	0.4	45
963	Short bouts of anaerobic exercise increase non-esterified fatty acids release in obesity. European Journal of Nutrition, 2014, 53, 243-249.	1.8	13
964	Mesures hygiÃ©nodiÃ©tÃ©tiques etÂÃ©tats diabÃ©tiques. , 2014, , 91-114.		1
966	Inammatory Pathways. , 2014, , 262-299.		1

#	Article	IF	Citations
967	Acute nutritional ketosis: implications for exercise performance and metabolism. Extreme Physiology and Medicine, 2014, 3, 17.	2.5	71
968	Mitochondrial function in skeletal muscle of patients with protracted critical illness and ICU-acquired weakness. Critical Care, 2015, 19, 448.	2.5	44
969	Nonâ€anaemic iron deficiency impairs response to pulmonary rehabilitation in <scp>COPD</scp>. Respirology, 2015, 20, 1089-1095.	1.3	40
970	Physiological Aspects of Early Specialized Athletic Training in Children. Kinesiology Review, 2015, 4, 279-291.	0.4	2
971	Effects of Manipulating Volume and Intensity Training in Masters Swimmers. International Journal of Sports Physiology and Performance, 2015, 10, 907-912.	1.1	19
972	A metabolomic study of the PPARÎ´ agonist GW501516 for enhancing running endurance in Kunming mice. Scientific Reports, 2015, 5, 9884.	1.6	26
973	Endurance training facilitates myoglobin desaturation during muscle contraction in rat skeletal muscle. Scientific Reports, 2015, 5, 9403.	1.6	9
974	Metabolism at the Max: How Vertebrate Organisms Respond to Physical Activity. , 2015, 5, 1677-1703.		33
975	Reduced efficiency of sarcolipin-dependent respiration in myocytes from humans with severe obesity. Obesity, 2015, 23, 1440-1449.	1.5	41
976	CK-MM Polymorphism is Associated With Physical Fitness Test Scores in Military Recruits. Military Medicine, 2015, 180, 1001-1005.	0.4	3
977	Motor unit control strategies of enduranceâ€versus resistanceâ€trained individuals. Muscle and Nerve, 2015, 52, 832-843.	1.0	33
978	Lactate is always the end product of glycolysis. Frontiers in Neuroscience, 2015, 9, 22.	1.4	266
979	25-Hydroxy-vitamin D level may predict presence of coronary collaterals in patients with chronic coronary total occlusion. Postepy W Kardiologii Interwencyjnej, 2015, 3, 191-196.	0.1	5
980	Plasma MicroRNA Levels Differ between Endurance and Strength Athletes. PLoS ONE, 2015, 10, e0122107.	1.1	69
981	The Assessment of Muscular Effort, Fatigue, and Physiological Adaptation Using EMG and Wavelet Analysis. PLoS ONE, 2015, 10, e0135069.	1.1	16
982	Muscle Oxygen Changes following Sprint Interval Cycling Training in Elite Field Hockey Players. PLoS ONE, 2015, 10, e0120338.	1.1	41
983	Can endurance exercise preconditioning prevention disuse muscle atrophy?. Frontiers in Physiology, 2015, 6, 63.	1.3	35
984	Nutritional Considerations for Performance in Young Athletes. Hindawi Publishing Corporation, 2015, 2015, 1-13.	2.3	32

#	Article	IF	Citations
985	Associations among Physical Activity, Diet, and Obesity Measures Change during Adolescence. Journal of Nutrition and Metabolism, 2015, 2015, 1-8.	0.7	13
986	Maximal Oxygen Consumption. , 2015, , 97-135.		0
987	Lipolysis, lipogenesis, and adiposity are reduced while fatty acid oxidation is increased in visceral and subcutaneous adipocytes of endurance-trained rats. Adipocyte, 2015, 4, 22-31.	1.3	16
989	Exercise training in chronic heart failure: improving skeletal muscle O₂transport and utilization. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1419-H1439.	1.5	124
990	Exercise improves mitochondrial and redox-regulated stress responses in the elderly: better late than never!. Biogerontology, 2015, 16, 249-264.	2.0	52
991	Exercise Physiology. , 2015, , 77-116.		1
992	Improved tolerance of peripheral fatigue by the central nervous system after endurance training. European Journal of Applied Physiology, 2015, 115, 1401-1415.	1.2	34
993	High-intensity interval and endurance training are associated with divergent skeletal muscle adaptations in a rodent model of hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R927-R934.	0.9	22
994	Exercise and Gene Expression. Progress in Molecular Biology and Translational Science, 2015, 135, 457-469.	0.9	22
995	Exercise and Regulation of Protein Metabolism. Progress in Molecular Biology and Translational Science, 2015, 135, 75-98.	0.9	21
996	Haemodynamic Kinetics and Intermittent Finger Flexor Performance in Rock Climbers. International Journal of Sports Medicine, 2015, 36, 137-142.	0.8	17
997	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.	0.9	53
998	Activation of AMPK and its Impact on Exercise Capacity. Sports Medicine, 2015, 45, 1497-1509.	3.1	16
999	The Muscle Metaphor in Self-Regulation in the Light of Current Theorizing on Muscle Physiology. , 2015, , 55-67.		2
1000	Maximal fat oxidation during exercise is positively associated with 24-hour fat oxidation and insulin sensitivity in young, healthy men. Journal of Applied Physiology, 2015, 118, 1415-1422.	1.2	67
1001	Transcriptional regulatory circuits controlling muscle fiber type switching. Science China Life Sciences, 2015, 58, 321-327.	2.3	17
1002	Regulation of Increased Blood Flow (Hyperemia) to Muscles During Exercise: A Hierarchy of Competing Physiological Needs. Physiological Reviews, 2015, 95, 549-601.	13.1	493
1003	Influence of vitamin C and vitamin E on redox signaling: Implications for exercise adaptations. Free Radical Biology and Medicine, 2015, 84, 65-76.	1.3	94

#	Article	IF	Citations
1004	Functional Electrical Stimulation for Equine Muscle Hypertonicity: Histological Changes in Mitochondrial Density and Distribution. Journal of Equine Veterinary Science, 2015, 35, 907-916.	0.4	8
1005	Eccentric or Concentric Exercises for the Treatment of Tendinopathies?. Journal of Orthopaedic and Sports Physical Therapy, 2015, 45, 853-863.	1.7	87
1006	High-intensity interval training without weight loss improves exercise but not basal or insulin-induced metabolism in overweight/obese African American women. Journal of Applied Physiology, 2015, 119, 352-362.	1.2	59
1007	Green tea extract supplementation does not hamper endurance-training adaptation but improves antioxidant capacity in sedentary men. Applied Physiology, Nutrition and Metabolism, 2015, 40, 990-996.	0.9	31
1008	Carbohydrate Dependence During Prolonged, Intense Endurance Exercise. Sports Medicine, 2015, 45, 5-12.	3.1	104
1009	Exercise Attenuates the Major Hallmarks of Aging. Rejuvenation Research, 2015, 18, 57-89.	0.9	275
1010	Physical Inactivity and Low Fitness Deserve More Attention to Alter Cancer Risk and Prognosis. Cancer Prevention Research, 2015, 8, 105-110.	0.7	67
1011	Changes in peak fat oxidation in response to different doses of endurance training. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, 41-52.	1.3	31
1012	Regulation of ubiquitin proteasome pathway molecular markers in response to endurance and resistance exercise and training. Pflugers Archiv European Journal of Physiology, 2015, 467, 1523-1537.	1.3	50
1013	Skeletal Muscle Glycogen Breakdown According to Duration of Endurance Training. The Korean Journal of Sports Medicine, 2016, 34, 101.	0.3	1
1014	Preconditioning with ethyl 3,4-dihydroxy benzoate augments aerobic respiration in rat skeletal muscle. Hypoxia (Auckland, N Z), 2016, 4, 109.	1.9	1
1015	Altered skeletal muscle (mitochondrial) properties in patients with mitochondrial DNA single deletion myopathy. Orphanet Journal of Rare Diseases, 2016, 11, 105.	1.2	20
1016	Twelve Weeks of Sprint Interval Training Improves Indices of Cardiometabolic Health Similar to Traditional Endurance Training despite a Five-Fold Lower Exercise Volume and Time Commitment. PLoS ONE, 2016, 11, e0154075.	1.1	246
1017	Mechanisms of Attenuation of Pulmonary Vâ€™O2 Slow Component in Humans after Prolonged Endurance Training. PLoS ONE, 2016, 11, e0154135.	1.1	10
1018	Continuous Aerobic Training in Individualized Intensity Avoids Spontaneous Physical Activity Decline and Improves MCT1 Expression in Oxidative Muscle of Swimming Rats. Frontiers in Physiology, 2016, 7, 132.	1.3	26
1019	Voluntary Running Aids to Maintain High Body Temperature in Rats Bred for High Aerobic Capacity. Frontiers in Physiology, 2016, 7, 311.	1.3	10
1020	The Effect of Regular Exercise on Insulin Sensitivity in Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis. Diabetes and Metabolism Journal, 2016, 40, 253.	1.8	138
1021	Mitochondrial Coupling and Contractile Efficiency in Humans with High and Low VË™O2peaks. Medicine and Science in Sports and Exercise, 2016, 48, 811-821.	0.2	2

#	Article	IF	Citations
1022	Resting and exercise energy metabolism in weightâ€reduced adults with severe obesity. Obesity, 2016, 24, 1290-1298.	1.5	8
1023	Endurance Exercise Improves Molecular Pathways of Aerobic Metabolism in Patients With Myositis. Arthritis and Rheumatology, 2016, 68, 1738-1750.	2.9	62
1024	Perilipin 5 is dispensable for normal substrate metabolism and in the adaptation of skeletal muscle to exercise training. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E128-E137.	1.8	15
1025	Physical fitness and performance of polish ice-hockey players competing at different sports levels. Journal of Human Kinetics, 2016, 51, 201-208.	0.7	24
1026	Integrated mRNA and miRNA expression profiling in blood reveals candidate biomarkers associated with endurance exercise in the horse. Scientific Reports, 2016, 6, 22932.	1.6	60
1027	Coupling of mitochondrial function and skeletal muscle fiber type by a miRâ€499/Fnip1/ <scp>AMPK</scp> circuit. EMBO Molecular Medicine, 2016, 8, 1212-1228.	3.3	85
1029	Drivers of grazing livestock efficiency: how physiology, metabolism, experience and adaptability influence productivity. Journal of Animal Science, 2016, 94, 111-119.	0.2	19
1030	Sex differences in the effects of 12â€...weeks sprint interval training on body fat mass and the rates of fatty acid oxidation and VO₂max during exercise. BMJ Open Sport and Exercise Medicine, 2016, 2, e000056.	1.4	41
1031	Preventive effects of electrical stimulation on inflammation-induced muscle mitochondrial dysfunction. Acta Histochemica, 2016, 118, 464-470.	0.9	12
1032	Effects of intrinsic aerobic capacity, aging and voluntary running on skeletal muscle sirtuins and heat shock proteins. Experimental Gerontology, 2016, 79, 46-54.	1.2	33
1033	Effect of resistance exercise intensity on the expression of PGC-1Î± isoforms and the anabolic and catabolic signaling mediators, IGF-1 and myostatin, in human skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2016, 41, 856-863.	0.9	21
1034	The effects of neoadjuvant chemoradiotherapy and an in-hospital exercise training programme on physical fitness and quality of life in locally advanced rectal cancer patients (The EMPOWER Trial): study protocol for a randomised controlled trial. Trials, 2016, 17, 24.	0.7	17
1035	Î²-Sitosterol increases mitochondrial electron transport by fluidizing mitochondrial membranes and enhances mitochondrial responsiveness to increasing energy demand by the induction of uncoupling in C2C12 myotubes. Journal of Functional Foods, 2016, 23, 253-260.	1.6	16
1036	Maximal oxygen uptake is proportional to muscle fiber oxidative capacity, from chronic heart failure patients to professional cyclists. Journal of Applied Physiology, 2016, 121, 636-645.	1.2	59
1037	Ten Days of Intermittent, Low-dose Carbon Monoxide Inhalation does not Significantly Alter Hemoglobin Mass, Aerobic Performance Predictors, or Peak-power Exercise Tolerance. International Journal of Sports Medicine, 2016, 37, 884-889.	0.8	8
1038	Exercise Inducible Lactate Dehydrogenase B Regulates Mitochondrial Function in Skeletal Muscle. Journal of Biological Chemistry, 2016, 291, 25306-25318.	1.6	66
1039	Forkhead Box O3A (FOXO3) and the Mitochondrial Disulfide Relay Carrier (CHCHD4) Regulate p53 Protein Nuclear Activity in Response to Exercise. Journal of Biological Chemistry, 2016, 291, 24819-24827.	1.6	16
1040	Modelling in vivo creatine/phosphocreatine in vitro reveals divergent adaptations in human muscle mitochondrial respiratory control by ADP after acute and chronic exercise. Journal of Physiology, 2016, 594, 3127-3140.	1.3	42

#	Article	IF	Citations
1041	In the absence of phosphate shuttling, exercise reveals the in vivo importance of creatine-independent mitochondrial ADP transport. Biochemical Journal, 2016, 473, 2831-2843.	1.7	30
1042	The Human Skeletal Muscle Transcriptome in Response to Oral Shilajit Supplementation. Journal of Medicinal Food, 2016, 19, 701-709.	0.8	18
1043	Use of space by domestic chicks housed in complex aviaries. Applied Animal Behaviour Science, 2016, 181, 115-121.	0.8	33
1044	Adult expression of PGC-1Î± and -1Î² in skeletal muscle is not required for endurance exercise-induced enhancement of exercise capacity. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E928-E938.	1.8	27
1045	Skeletal muscle Heat shock protein 60 increases after endurance training and induces peroxisome proliferator-activated receptor gamma coactivator 1 Î±1 expression. Scientific Reports, 2016, 6, 19781.	1.6	67
1046	Resveratrol and exercise. Biomedical Reports, 2016, 5, 525-530.	0.9	41
1047	Exercise interventions for people undergoing multimodal cancer treatment that includes surgery. The Cochrane Library, 2016, , .	1.5	2
1048	Exercise and Nutrition Prehabilitation for the Evaluation of Risk and Therapeutic Potential in Cancer Patients: A Review. International Anesthesiology Clinics, 2016, 54, e47-e61.	0.3	4
1049	Concomitant application of sprint and high-intensity interval training on maximal oxygen uptake and work output in well-trained cyclists. European Journal of Applied Physiology, 2016, 116, 1495-1502.	1.2	20
1050	Symmorphosis and skeletal muscle : in vivo and in vitro measures reveal differing constraints in the exerciseâ€trained and untrained human. Journal of Physiology, 2016, 594, 1741-1751.	1.3	79
1051	High-intensity exercise training increases the diversity and metabolic capacity of the mouse distal gut microbiota during diet-induced obesity. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E982-E993.	1.8	194
1052	Exercise intervention in people with cancer undergoing neoadjuvant cancer treatment and surgery: A systematic review. European Journal of Surgical Oncology, 2016, 42, 28-38.	0.5	71
1053	Increases in skeletal muscle ATGL and its inhibitor G0S2 following 8 weeks of endurance training in metabolically different rat skeletal muscles. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R125-R133.	0.9	16
1054	Live strong and prosper: the importance of skeletal muscle strength for healthy ageing. Biogerontology, 2016, 17, 497-510.	2.0	164
1055	The role of kinesitherapy and electrotherapeutic procedures in non-operative management of patients with intermittent claudications. Vascular, 2016, 24, 246-253.	0.4	2
1056	Exercise Intolerance in Heart Failure: Did We Forget the Brain?. Canadian Journal of Cardiology, 2016, 32, 475-484.	0.8	26
1057	The emerging role of skeletal muscle oxidative metabolism as a biological target and cellular regulator of cancer-induced muscle wasting. Seminars in Cell and Developmental Biology, 2016, 54, 53-67.	2.3	82
1058	A Simple Hydraulic Analog Model of Oxidative Phosphorylation. Medicine and Science in Sports and Exercise, 2016, 48, 990-1000.	0.2	30

#	Article	IF	Citations
1059	RhEPO improves time to exhaustion by non-hematopoietic factors in humans. European Journal of Applied Physiology, 2016, 116, 623-633.	1.2	15
1060	Gokyo Khumbu/Ama Dablam Trek 2012: effects of physical training and high-altitude exposure on oxidative metabolism, muscle composition, and metabolic cost of walking in women. European Journal of Applied Physiology, 2016, 116, 129-144.	1.2	17
1061	Strength training improves cycling performance, fractional utilization of VO_{2max} and cycling economy in female cyclists. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 384-396.	1.3	53
1062	Effects of activity, genetic selection, and their interaction on muscle metabolic capacities and organ masses in mice. Journal of Experimental Biology, 2017, 220, 1038-1047.	0.8	23
1063	Change in maximal fat oxidation in response to different regimes of periodized high-intensity interval training (HIIT). European Journal of Applied Physiology, 2017, 117, 745-755.	1.2	14
1064	Bed rest and resistive vibration exercise unveil novel links between skeletal muscle mitochondrial function and insulin resistance. Diabetologia, 2017, 60, 1491-1501.	2.9	47
1065	The Limits of Exercise Physiology: From Performance to Health. Cell Metabolism, 2017, 25, 1000-1011.	7.2	113
1066	Transcriptome profiling of Arabian horse blood during training regimens. BMC Genetics, 2017, 18, 31.	2.7	27
1067	Greater Oxidative Capacity in Primary Myotubes from Endurance-trained Women. Medicine and Science in Sports and Exercise, 2017, 49, 2151-2157.	0.2	19
1068	Effect of green tea extract supplementation on glycogen replenishment in exercised human skeletal muscle. British Journal of Nutrition, 2017, 117, 1343-1350.	1.2	11
1069	The effect of acute pomegranate extract supplementation on oxygen uptake in highly-trained cyclists during high-intensity exercise in a high altitude environment. Journal of the International Society of Sports Nutrition, 2017, 14, 14.	1.7	22
1070	CD36 is essential for endurance improvement, changes inÂwhole-body metabolism, and efficient PPAR-related transcriptional responses in the muscle with exercise training. Physiological Reports, 2017, 5, e13282.	0.7	15
1071	Endurance Exercise in Hypoxia, Hyperoxia and Normoxia: Mitochondrial and Global Adaptations. International Journal of Sports Medicine, 2017, 38, 588-596.	0.8	4
1072	Eight Weeks of High-Volume Resistance Training Improves Onset of Blood Lactate in Trained Individuals. Journal of Strength and Conditioning Research, 2017, 31, 2176-2182.	1.0	3
1073	Muscle and Limb Mechanics. , 2017, 7, 429-462.		14
1074	Nutrition and Training Influences on the Regulation of Mitochondrial Adenosine Diphosphate Sensitivity and Bioenergetics. Sports Medicine, 2017, 47, 13-21.	3.1	25
1075	<scp>TFE</scp> 3 regulates wholeâ€body energy metabolism in cooperation with <scp>TFEB</scp>. EMBO Molecular Medicine, 2017, 9, 605-621.	3.3	101
1076	Low carbohydrate, high fat diet impairs exercise economy and negates the performance benefit from intensified training in elite race walkers. Journal of Physiology, 2017, 595, 2785-2807.	1.3	281

#	Article	IF	Citations
1077	Physiological limits to endurance exercise performance: influence of sex. Journal of Physiology, 2017, 595, 2949-2954.	1.3	95
1078	Twelve weeksâ€™ progressive resistance training combined with protein supplementation beyond habitual intakes increases upper leg lean tissue mass, muscle strength and extended gait speed in healthy older women. Biogerontology, 2017, 18, 881-891.	2.0	26
1079	Transcription Factor EB Controls Metabolic Flexibility during Exercise. Cell Metabolism, 2017, 25, 182-196.	7.2	250
1080	Decreased transcriptional corepressor p107 is associated with exerciseâ€induced mitochondrial biogenesis in human skeletal muscle. Physiological Reports, 2017, 5, e13155.	0.7	5
1081	Impact of cardiac rehabilitation and exercise training programs in coronary heart disease. Progress in Cardiovascular Diseases, 2017, 60, 103-114.	1.6	120
1082	Physiological adaptations to interval training and the role of exercise intensity. Journal of Physiology, 2017, 595, 2915-2930.	1.3	589
1083	Metabolic and regulatory responses involved in cold acclimation in Atlantic killifish, Fundulus heteroclitus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 463-475.	0.7	15
1084	Influence of maternal obesity, diet and exercise on epigenetic regulation of adipocytes. Molecular Aspects of Medicine, 2017, 54, 37-49.	2.7	16
1085	Effects of Conjugated Linoleic Acid Associated With Endurance Exercise on Muscle Fibres and Peroxisome Proliferatorâ€Activated Receptor Î³ Coactivator 1 Î± Isoforms. Journal of Cellular Physiology, 2017, 232, 1086-1094.	2.0	29
1086	Concurrent exercise training: do opposites distract?. Journal of Physiology, 2017, 595, 2883-2896.	1.3	209
1087	Superior mitochondrial adaptations in human skeletal muscle after interval compared to continuous singleâ€leg cycling matched for total work. Journal of Physiology, 2017, 595, 2955-2968.	1.3	148
1088	HIIT enhances endurance performance and aerobic characteristics more than high-volume training in trained rowers. Journal of Sports Sciences, 2017, 35, 1052-1058.	1.0	44
1089	The effects of two different swimming training periodization on physiological parameters at various exercise intensities. European Journal of Sport Science, 2017, 17, 425-432.	1.4	28
1090	A Systematic Review and Meta-Analysis of Proteomics Literature on the Response of Human Skeletal Muscle to Obesity/Type 2 Diabetes Mellitus (T2DM) Versus Exercise Training. Proteomes, 2017, 5, 30.	1.7	29
1091	Disrupted Skeletal Muscle Mitochondrial Dynamics, Mitophagy, and Biogenesis during Cancer Cachexia: A Role for Inflammation. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	1.9	129
1092	Properties of the vastus lateralis muscle in relation to age and physiological function in master cyclists aged 55â€“79Âyears. Aging Cell, 2018, 17, e12735.	3.0	58
1093	The effect of 12Âweeks of aerobic exercise on mitochondrial dynamics in cardiac myocytes of type 2 diabetic rats. Sport Sciences for Health, 2018, 14, 305-312.	0.4	4
1094	Sexual dimorphism of substrate utilization: Differences in skeletal muscle mitochondrial volume density and function. Experimental Physiology, 2018, 103, 851-859.	0.9	72

#	Article	IF	Citations
1095	Metabolomics Reveals Protection of Resveratrol in Diet-Induced Metabolic Risk Factors in Abdominal Muscle. Cellular Physiology and Biochemistry, 2018, 45, 1136-1148.	1.1	19
1096	Comparison of Sprint Interval and Endurance Training in Team Sport Athletes. Journal of Strength and Conditioning Research, 2018, 32, 3051-3058.	1.0	9
1097	Application of Chronic Stimulation to Study Contractile Activity-induced Rat Skeletal Muscle Phenotypic Adaptations. Journal of Visualized Experiments, 2018, , .	0.2	1
1098	Metabolic stressâ€dependent regulation of the mitochondrial biogenic molecular response to highâ€intensity exercise in human skeletal muscle. Journal of Physiology, 2018, 596, 2823-2840.	1.3	84
1099	A comparison of hatchery-rearing in exercise to wild animal physiology and reflex behavior in Aplysia californica. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 221, 24-31.	0.8	4
1100	Targeting Mitochondria with Sweat: Improving Mitochondrial Function with Physical Activity. , 2018, , 379-406.		4
1101	Modelling Movement Energetics Using Global Positioning System Devices in Contact Team Sports: Limitations and Solutions. Sports Medicine, 2018, 48, 1357-1368.	3.1	17
1102	Protein Availability and Satellite Cell Dynamics in Skeletal Muscle. Sports Medicine, 2018, 48, 1329-1343.	3.1	25
1103	The efficacy of downhill running as a method to enhance running economy in trained distance runners. European Journal of Sport Science, 2018, 18, 630-638.	1.4	5
1104	Exercise-induced adaptations to white and brown adipose tissue. Journal of Experimental Biology, 2018, 221, .	0.8	86
1105	The â€˜sensory tolerance limitâ€™: A hypothetical construct determining exercise performance?. European Journal of Sport Science, 2018, 18, 13-24.	1.4	146
1106	Molecular Basis of Exercise-Induced Skeletal Muscle Mitochondrial Biogenesis: Historical Advances, Current Knowledge, and Future Challenges. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a029686.	2.9	47
1107	Adaptations to Endurance and Strength Training. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a029769.	2.9	178
1108	Effects of 6â€month aerobic interval training on skeletal muscle metabolism in middleâ€aged metabolic syndrome patients. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 585-595.	1.3	17
1109	High Amounts of Sitting, Low Cardiorespiratory Fitness, and Low Physical Activity Levels: 3 Key Ingredients in the Recipe for Influencing Metabolic Syndrome Prevalence. American Journal of Health Promotion, 2018, 32, 587-594.	0.9	13
1110	The effects of a home-based physical activity intervention on cardiorespiratory fitness in breast cancer survivors; a randomised controlled trial. Journal of Sports Sciences, 2018, 36, 1077-1086.	1.0	24
1111	Effectiveness of a Worksite Intervention for Male Construction Workers on Dietary and Physical Activity Behaviors, Body Mass Index, and Health Outcomes: Results of a Randomized Controlled Trial. American Journal of Health Promotion, 2018, 32, 795-805.	0.9	46
1112	Chronic Î²₂â€adrenoceptor agonist treatment alters muscle proteome and functional adaptations induced by high intensity training in young men. Journal of Physiology, 2018, 596, 231-252.	1.3	41

#	Article	IF	Citations
1113	Mitochondria in Muscle and Exercise. Contemporary Diabetes, 2018, , 125-136.	0.0	0
1114	The physiopathologic role of oxidative stress in skeletal muscle. Mechanisms of Ageing and Development, 2018, 170, 37-44.	2.2	81
1115	Considerations in the Use of Body Mass Change to Estimate Change in Hydration Status During a 161-Kilometer Ultramarathon Running Competition. Sports Medicine, 2018, 48, 243-250.	3.1	38
1116	Critical determinants of combined sprint and endurance performance: an integrative analysis from muscle fiber to the human body. FASEB Journal, 2018, 32, 2110-2123.	0.2	45
1117	Changes in fat oxidation in response to various regimes of high intensity interval training (HIIT). European Journal of Applied Physiology, 2018, 118, 51-63.	1.2	49
1118	The distinct transcriptomes of slow and fast adult muscles are delineated by noncoding RNAs. FASEB Journal, 2018, 32, 1579-1590.	0.2	25
1119	Study of muscle contraction induced by electrical pulse stimulation and nitric oxide in C2C12 myotube cells. Journal of Exercise Nutrition & Biochemistry, 2018, 22, 22-28.	1.3	8
1120	Assessment of the work efficiency with exergy method in ageing muscles and healthy and enlarged hearts. International Journal of Exergy, 2018, 25, 1.	0.2	20
1121	Exercise interventions for people undergoing multimodal cancer treatment that includes surgery. The Cochrane Library, 2018, 2018, CD012280.	1.5	23
1122	Exercise mitigates the effects of hyperhomocysteinemia on adverse muscle remodeling. Physiological Reports, 2018, 6, e13637.	0.7	5
1123	A comparative study: tongue muscle performance in weightlifters and runners. Physiological Reports, 2018, 6, e13923.	0.7	10
1124	Acute High-Intensity Exercise Impairs Skeletal Muscle Respiratory Capacity. Medicine and Science in Sports and Exercise, 2018, 50, 2409-2417.	0.2	34
1125	Multinuclear Magnetic Resonance Spectroscopy of Human Skeletal Muscle Metabolism in Training and Disease. , 0, , .		1
1126	A randomised controlled trial to assess whether prehabilitation improves fitness in patients undergoing neoadjuvant treatment prior to oesophagogastric cancer surgery: study protocol. BMJ Open, 2018, 8, e023190.	0.8	28
1127	Effect of the Elevation Training Mask on the Functional Outcomes of the Respiratory Muscles. Human Physiology, 2018, 44, 656-662.	0.1	5
1128	The altered human serum metabolome induced by a marathon. Metabolomics, 2018, 14, 150.	1.4	39
1129	The role of exercise-induced myokines in regulating metabolism. Archives of Pharmacal Research, 2018, 41, 14-29.	2.7	175
1130	Therapeutic Effects of Multimodal Biophysical Stimulation on Muscle Atrophy in a Mouse Model. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1553-1560.	1.1	1

#	Article	IF	Citations
1131	Adaptations to Concurrent Training in Combination with High Protein Availability: A Comparative Trial in Healthy, Recreationally Active Men. Sports Medicine, 2018, 48, 2869-2883.	3.1	21
1132	Training state and skeletal muscle autophagy in response to 36 h of fasting. Journal of Applied Physiology, 2018, 125, 1609-1619.	1.2	12
1133	Fat metabolism increases after exercise training in older men, but not women. Healthy Aging Research, 2018, 7, e6.	0.3	0
1134	Training-Induced Changes in Mitochondrial Content and Respiratory Function in Human Skeletal Muscle. Sports Medicine, 2018, 48, 1809-1828.	3.1	146
1135	Repeated exposure to heat stress induces mitochondrial adaptation in human skeletal muscle. Journal of Applied Physiology, 2018, 125, 1447-1455.	1.2	71
1136	Do traditional and reverse swimming training periodizations lead to similar aerobic performance improvements?. Journal of Sports Medicine and Physical Fitness, 2018, 58, 761-767.	0.4	18
1137	Blood pressure response to isometric handgrip testing and aerobic capacity and associations with sprint performance in middle-aged men following high-intensity interval training. Journal of Sports Medicine and Physical Fitness, 2018, 58, 525-533.	0.4	1
1138	Different Training Modalities Improve Energy Cost and Performance in Master Runners. Frontiers in Physiology, 2018, 9, 21.	1.3	7
1139	Regulation of Muscle Glycogen Metabolism during Exercise: Implications for Endurance Performance and Training Adaptations. Nutrients, 2018, 10, 298.	1.7	144
1140	Aging Hallmarks: The Benefits of Physical Exercise. Frontiers in Endocrinology, 2018, 9, 258.	1.5	148
1141	Adaptation of motor unit contractile properties in rat medial gastrocnemius to treadmill endurance training: Relationship to muscle mitochondrial biogenesis. PLoS ONE, 2018, 13, e0195704.	1.1	15
1142	Frailty and Perioperative Outcomes. Current Anesthesiology Reports, 2018, 8, 225-231.	0.9	4
1143	Mitochondrial-derived reactive oxygen species influence ADP sensitivity, but not CPT-I substrate sensitivity. Biochemical Journal, 2018, 475, 2997-3008.	1.7	12
1144	Altered skeletal muscle mitochondrial phenotype in COPD: disease vs. disuse. Journal of Applied Physiology, 2018, 124, 1045-1053.	1.2	24
1145	Cortical processing of breathing perceptions in the athletic brain. NeuroImage, 2018, 179, 92-101.	2.1	17
1146	Skeletal Muscle Glycogen Content at Rest and During Endurance Exercise in Humans: A Meta-Analysis. Sports Medicine, 2018, 48, 2091-2102.	3.1	68
1147	Do aerobic characteristics explain isometric exercise-induced neuromuscular fatigue and recovery in upper and lower limbs?. Journal of Sports Sciences, 2019, 37, 387-395.	1.0	5
1148	Neuromuscular stimulation ameliorates ischemia-induced walking impairment in the rat claudication model. Journal of Physiological Sciences, 2019, 69, 885-893.	0.9	4

#	Article	IF	Citations
1149	Effect of heat load and dietary protein on oxygen pulse and energy cost for locomotion in heifers. Animal Production Science, 2019, 59, 1611.	0.6	1
1150	Regulation of Myogenic Activity by Substrate and Electrical Stimulation In Vitro. BioResearch Open Access, 2019, 8, 129-138.	2.6	6
1151	Sex Difference in Triathlon Performance. Frontiers in Physiology, 2019, 10, 973.	1.3	31
1152	Health Benefits of Endurance Training: Implications of the Brain-Derived Neurotrophic Factorâ€"A Systematic Review. Neural Plasticity, 2019, 2019, 1-15.	1.0	19
1153	Succinate induces skeletal muscle fiber remodeling via SUCNR1 signaling. EMBO Reports, 2019, 20, e47892.	2.0	71
1154	Srf KO and wild-type mice similarly adapt to endurance exercise. European Journal of Translational Myology, 2019, 29, 8205.	0.8	3
1155	Stability of Proteins During Processing and Storage. , 2019, , 295-330.		5
1156	Variation of Mitochondrial DNA and elite athletic performance. , 2019, , 129-145.		0
1157	Genetic Approaches for Sports Performance: How Far Away Are We?. Sports Medicine, 2019, 49, 199-204.	3.1	20
1158	Ketogenic Diet: from the Historical Records to Use in Elite Athletes. Current Nutrition Reports, 2019, 8, 340-346.	2.1	10
1159	Quantification of Mitochondrial Oxidative Phosphorylation in Metabolic Disease: Application to Type 2 Diabetes. International Journal of Molecular Sciences, 2019, 20, 5271.	1.8	23
1160	Progressive exercise training improves maximal aerobic capacity in individuals with well-healed burn injuries. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R563-R570.	0.9	18
1161	The effects of same-session combined exercise training on cardiorespiratory and functional fitness in older adults: a systematic review and meta-analysis. Aging Clinical and Experimental Research, 2019, 31, 1701-1717.	1.4	49
1162	Sustained high levels of physical activity lead to improved performance among â€œRace Across the USAâ€• athletes. American Journal of Physical Anthropology, 2019, 168, 789-794.	2.1	2
1163	Sex-based differences in hepatic and skeletal muscle triglyceride storage and metabolism. Applied Physiology, Nutrition and Metabolism, 2019, 44, 805-813.	0.9	35
1164	RNA-binding proteins: The next step in translating skeletal muscle adaptations?. Journal of Applied Physiology, 2019, 127, 654-660.	1.2	13
1165	The maximal metabolic steady state: redefining the â€˜gold standardâ€™. Physiological Reports, 2019, 7, e14098.	0.7	160
1166	Effect of saffron (Crocus sativus L.) and endurance training on mitochondrial biogenesis, endurance capacity, inflammation, antioxidant, and metabolic biomarkers in Wistar rats. Journal of Food Biochemistry, 2019, 43, e12946.	1.2	25

#	Article	IF	Citations
1167	Testosterone is Key to Increase the Muscle Capillary Density of Old and Trained Rats. Journal of Morphological Sciences, 2019, 36, 182-189.	0.2	2
1168	Protein supplementation elicits greater gains in maximal oxygen uptake capacity and stimulates lean mass accretion during prolonged endurance training: a double-blind randomized controlled trial. American Journal of Clinical Nutrition, 2019, 110, 508-518.	2.2	24
1169	Abnormal blood lactate accumulation during repeated exercise testing in myalgic encephalomyelitis/chronic fatigue syndrome. Physiological Reports, 2019, 7, e14138.	0.7	41
1170	Maternal exercise before and during gestation modifies liver and muscle mitochondria in rat offspring. Journal of Experimental Biology, 2019, 222, .	0.8	7
1171	Comparison of Mitochondrial Respiration in M. triceps brachii and M. vastus lateralis Between Elite Cross-Country Skiers and Physically Active Controls. Frontiers in Physiology, 2019, 10, 365.	1.3	3
1172	Pharmacological AMPK activation induces transcriptional responses congruent to exercise in skeletal and cardiac muscle, adipose tissues and liver. PLoS ONE, 2019, 14, e0211568.	1.1	24
1173	Exercising to offset muscle mass loss in hemodialysis patients: The disconnect between intention and intervention. Seminars in Dialysis, 2019, 32, 379-385.	0.7	11
1174	A pre-training conditioning program to increase physical fitness and reduce attrition due to injuries in Dutch Airmobile recruits: Study protocol for a randomised controlled trial. Contemporary Clinical Trials Communications, 2019, 14, 100342.	0.5	1
1175	Changes in Redox Signaling in the Skeletal Muscle with Aging. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	1.9	47
1176	Effects of chronic beetroot juice supplementation on maximum oxygen uptake, velocity associated with maximum oxygen uptake, and peak velocity in recreational runners: a double-blinded, randomized and crossover study. European Journal of Applied Physiology, 2019, 119, 1043-1053.	1.2	8
1177	The historical context and scientific legacy of John O. Holloszy. Journal of Applied Physiology, 2019, 127, 277-305.	1.2	9
1178	Alterations in Exercise-Induced Plasma Adenosine Triphosphate Concentration in Highly Trained Athletes in a One-Year Training Cycle. Metabolites, 2019, 9, 230.	1.3	8
1179	Women with metabolic syndrome show similar health benefits from high-intensity interval training than men. PLoS ONE, 2019, 14, e0225893.	1.1	7
1180	Molecular and Physiological Adaptations to Endurance Training. , 2019, , 19-34.		8
1181	Exercise training remodels human skeletal muscle mitochondrial fission and fusion machinery towards a proâ€elongation phenotype. Acta Physiologica, 2019, 225, e13216.	1.8	74
1182	Metabolic Transitions and Muscle Metabolic Stability: Effects of Exercise Training. , 2019, , 391-422.		5
1183	Skeletal muscle performance in metabolic disease: Microvascular or mitochondrial limitation or both?. Microcirculation, 2019, 26, e12517.	1.0	18
1184	A physiological drop in pH decreases mitochondrial respiration, and HDAC and Akt signaling, in L6 myocytes. American Journal of Physiology - Cell Physiology, 2019, 316, C404-C414.	2.1	30

#	Article	IF	Citations
1185	Obesity and inactivity, not hyperglycemia, cause exercise intolerance in individuals with type 2 diabetes: Solving the obesity and inactivity versus hyperglycemia causality dilemma. Medical Hypotheses, 2019, 123, 110-114.	0.8	9
1186	SR Ca2+ leak in skeletal muscle fibers acts as an intracellular signal to increase fatigue resistance. Journal of General Physiology, 2019, 151, 567-577.	0.9	32
1187	Angiogenic Attributes of Multifaceted Bioactive Glass: Its Therapeutic Potential on Soft Tissues and Drug Delivery Utilization. , 2019, , 331-353.		0
1188	Exercise and the control of muscle mass in human. Pflugers Archiv European Journal of Physiology, 2019, 471, 397-411.	1.3	28
1189	Effects of exercise on brown and beige adipocytes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 71-78.	1.2	78
1190	Use of argyrophilic nucleolarâ€“organizer region-associated protein synthesis in skeletal muscle cells for prediction of chronic carbon monoxide exposure. Toxin Reviews, 2020, 39, 349-354.	1.5	4
1191	Ambient temperature influences metabolic substrate oxidation curves during running and cycling in healthy men. European Journal of Sport Science, 2020, 20, 90-99.	1.4	14
1192	Mitochondrial adaptations to high intensity interval training in older females and males. European Journal of Sport Science, 2020, 20, 135-145.	1.4	35
1193	Effects of Dietary Supplements on Adaptations to Endurance Training. Sports Medicine, 2020, 50, 25-53.	3.1	40
1194	Lipid Metabolism Links Nutrient-Exercise Timing to Insulin Sensitivity in Men Classified as Overweight or Obese. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 660-676.	1.8	32
1195	Metabolomics approach to investigate the ergogenic effect of Morinda citrifolia L. leaf extract on obese Sprague Dawley rats. Phytochemical Analysis, 2020, 31, 191-203.	1.2	8
1196	Improvements in Skeletal Muscle Can Be Detected Using Broadband NIRS in First-Time Marathon Runners. Advances in Experimental Medicine and Biology, 2020, 1232, 245-251.	0.8	2
1197	Shortâ€term bed restâ€induced insulin resistance cannot be explained by increased mitochondrial H₂O₂ emission. Journal of Physiology, 2020, 598, 123-137.	1.3	32
1198	High-Intensity Interval Training Shock Microcycle for Enhancing Sport Performance: A Brief Review. Journal of Strength and Conditioning Research, 2020, 34, 1188-1196.	1.0	25
1199	Skeletal muscle size, function, and adiposity with lifelong aerobic exercise. Journal of Applied Physiology, 2020, 128, 368-378.	1.2	41
1200	Regeneration of Mitochondrial Function in Gastrocnemius Muscle in Peripheral Arterial Disease After Successful Revascularisation. European Journal of Vascular and Endovascular Surgery, 2020, 59, 109-115.	0.8	16
1201	Overheating or overcooling: heat transfer in the spot to fight against the pandemic obesity. Reviews in Endocrine and Metabolic Disorders, 2021, 22, 665-680.	2.6	4
1202	What Should I Eat before Exercise? Pre-Exercise Nutrition and the Response to Endurance Exercise: Current Prospective and Future Directions. Nutrients, 2020, 12, 3473.	1.7	24

#	Article	IF	Citations
1203	Aerobic exercise training regulates serum extracellular vesicle miRNAs linked to obesity to promote their beneficial effects in mice. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E579-E591.	1.8	27
1204	Skeletal muscle energy metabolism during exercise. Nature Metabolism, 2020, 2, 817-828.	5.1	464
1205	Mechanisms Underlying Absent Training-Induced Improvement in Insulin Action in Lean, Hyperandrogenic Women With Polycystic Ovary Syndrome. Diabetes, 2020, 69, 2267-2280.	0.3	13
1206	A model for calculating the mechanical demands of overground running. Sports Biomechanics, 2023, 22, 1256-1277.	0.8	8
1207	Maximal Oxygen Uptake Adjusted for Skeletal Muscle Mass in Competitive Speed-Power and Endurance Male Athletes: Changes in a One-Year Training Cycle. International Journal of Environmental Research and Public Health, 2020, 17, 6226.	1.2	10
1208	Mitochondrial division inhibitor 1 (mdiviâ€1) increases oxidative capacity and contractile stress generated by engineered skeletal muscle. FASEB Journal, 2020, 34, 11562-11576.	0.2	9
1209	Transcription factor EB and TFE3: new metabolic coordinators mediating adaptive responses to exercise in skeletal muscle?. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E763-E768.	1.8	20
1210	Synergistic effect of vascular endothelial growth factor gene inactivation in endothelial cells and skeletal myofibres on muscle enzyme activity, capillary supply and endurance exercise in mice. Experimental Physiology, 2020, 105, 2168-2177.	0.9	2
1211	Extracellular vesicular miRNA expression is not a proxy for skeletal muscle miRNA expression in males and females following acute, moderate intensity exercise. Physiological Reports, 2020, 8, e14520.	0.7	19
1212	Intramuscular Mechanisms Mediating Adaptation to Low-Carbohydrate, High-Fat Diets during Exercise Training. Nutrients, 2020, 12, 2496.	1.7	14
1213	Effect of a 12â€week endurance training program on force transfer and membrane integrity proteins in lean, obese, and type 2 diabetic subjects. Physiological Reports, 2020, 8, e14429.	0.7	3
1214	Influence of Interval Training Frequency on Time-Trial Performance in Elite Endurance Athletes. International Journal of Environmental Research and Public Health, 2020, 17, 3190.	1.2	7
1215	Relationship between maximal incremental and high-intensity interval exercise performance in elite athletes. PLoS ONE, 2020, 15, e0226313.	1.1	6
1216	The Role of Nutri(epi)genomics in Achieving the Bodyâ€™s Full Potential in Physical Activity. Antioxidants, 2020, 9, 498.	2.2	10
1217	Six high-intensity interval training sessions over 5 days increases maximal oxygen uptake, endurance capacity, and sub-maximal exercise fat oxidation as much as 6 high-intensity interval training sessions over 2 weeks. Journal of Sport and Health Science, 2020, 10, 478-487.	3.3	18
1218	Oral Lactate Administration Additively Enhances Endurance Training-Induced Increase in Cytochrome C Oxidase Activity in Mouse Soleus Muscle. Nutrients, 2020, 12, 770.	1.7	15
1219	Differences in Training Adaptations of Endurance Performance during Combined Strength and Endurance Training in a 6-Month Crisis Management Operation. International Journal of Environmental Research and Public Health, 2020, 17, 1688.	1.2	7
1220	Exercise and physical activity in cirrhosis: opportunities or perils. Journal of Applied Physiology, 2020, 128, 1547-1567.	1.2	12

#	Article	IF	Citations
1221	Association between muscle aerobic capacity and whole-body peak oxygen uptake. European Journal of Applied Physiology, 2020, 120, 2029-2036.	1.2	6
1222	Relative Proximity of Critical Power and Metabolic/Ventilatory Thresholds: Systematic Review and Meta-Analysis. Sports Medicine, 2020, 50, 1771-1783.	3.1	61
1223	Exercise adaptations: molecular mechanisms and potential targets for therapeutic benefit. Nature Reviews Endocrinology, 2020, 16, 495-505.	4.3	101
1224	Central cardiovascular system limits to aerobic capacity. Experimental Physiology, 2021, 106, 2299-2303.	0.9	11
1225	Physiological mechanisms determining eccrine sweat composition. European Journal of Applied Physiology, 2020, 120, 719-752.	1.2	148
1226	Metabolic rate in sedentary adults, following different exercise training interventions: The FIT-AGEING randomized controlled trial. Clinical Nutrition, 2020, 39, 3230-3240.	2.3	20
1227	The role of mitochondria in redox signaling of muscle homeostasis. Journal of Sport and Health Science, 2020, 9, 386-393.	3.3	34
1228	Improving biologic predictors of cycling endurance performance with nearâ€infrared spectroscopy derived measures of skeletal muscle respiration: E pluribus unum. Physiological Reports, 2020, 8, e14342.	0.7	17
1229	Locomotor muscle morphology of three species of pelagic delphinids. Journal of Morphology, 2020, 281, 170-182.	0.6	5
1230	The effect of age and training status on oxygen uptake kinetics in women. Respiratory Physiology and Neurobiology, 2020, 278, 103439.	0.7	2
1231	The order of concurrent training affects mTOR signaling but not mitochondrial biogenesis in mouse skeletal muscle. Physiological Reports, 2020, 8, e14411.	0.7	8
1232	Mitochondrial lactate metabolism: history and implications for exercise and disease. Journal of Physiology, 2021, 599, 863-888.	1.3	97
1233	The role of vascular function on exercise capacity in health and disease. Journal of Physiology, 2021, 599, 889-910.	1.3	39
1234	Can upper limb taping or exercises improve hand function, writing speed and self-perception of performance in adolescent school children?. International Journal of Adolescent Medicine and Health, 2021, 33, .	0.6	1
1235	Differences in joint power distribution in high and low lactate threshold cyclists. European Journal of Applied Physiology, 2021, 121, 231-238.	1.2	1
1236	Exercise physiology. , 2021, , 81-122.		1
1237	Prediction of muscle fiber composition using multiple repetition testing. Biology of Sport, 2021, 38, 277-283.	1.7	10
1238	Targeted overexpression of PPARÎ³ in skeletal muscle by random insertion and CRISPR/Cas9 transgenic pig cloning enhances oxidative fiber formation and intramuscular fat deposition. FASEB Journal, 2021, 35, e21308.	0.2	27

#	Article	IF	Citations
1239	A comparison of muscle activity of the dominant and non-dominant side of the body during low versus high loaded bench press exercise performed to muscular failure. Journal of Electromyography and Kinesiology, 2021, 56, 102513.	0.7	22
1240	Effects of high-intensity interval training in more or less active mice on biomechanical, biophysical and biochemical bone parameters. Scientific Reports, 2021, 11, 6414.	1.6	6
1241	AMPK-dependent and -independent coordination of mitochondrial function and muscle fiber type by FNIP1. PLoS Genetics, 2021, 17, e1009488.	1.5	16
1242	Licorice flavonoid oil supplementation promotes a reduction of visceral fat in exercised rats. Journal of Sports Medicine and Physical Fitness, 2021, 61, 480-488.	0.4	3
1243	A Comparison of the Effect of Strength Training on Cycling Performance between Men and Women. Journal of Functional Morphology and Kinesiology, 2021, 6, 29.	1.1	3
1244	Maximal Fat Oxidation: Comparison between Treadmill, Elliptical and Rowing Exercises. Journal of Sports Science and Medicine, 2021, 20, 170-178.	0.7	8
1245	Physiological and performance responses of sprint interval training and endurance training in Gaelic football players. European Journal of Applied Physiology, 2021, 121, 2265-2275.	1.2	10
1246	Sexâ€based limits to running speed in the human, horse and dog: The role of sexual dimorphisms. FASEB Journal, 2021, 35, e21562.	0.2	6
1247	Muscle mitochondrial capacity in highâ€and lowâ€fitness females using nearâ€infrared spectroscopy. Physiological Reports, 2021, 9, e14838.	0.7	10
1248	Anti-Fatigue Effect of a Dietary Supplement from the Fermented By-Products of Taiwan Tilapia Aquatic Waste and Monostroma nitidum Oligosaccharide Complex. Nutrients, 2021, 13, 1688.	1.7	10
1249	Effects of Feeding Time on Markers of Muscle Metabolic Flexibility Following Acute Aerobic Exercise in Trained Mice Undergoing Time Restricted Feeding. Nutrients, 2021, 13, 1717.	1.7	4
1250	Targeting Mitochondria in Diabetes. International Journal of Molecular Sciences, 2021, 22, 6642.	1.8	46
1251	Myokine Responses to Exercise in a Rat Model of Low/High Adaptive Potential. Frontiers in Endocrinology, 2021, 12, 645881.	1.5	3
1252	The effect of revascularization on recovery of mitochondrial respiration in peripheral artery disease: a case control study. Journal of Translational Medicine, 2021, 19, 244.	1.8	5
1253	Muscle Ionic Shifts During Exercise: Implications for Fatigue and Exercise Performance. , 2021, 11, 1895-1959.		19
1254	Acute and Chronic Effects of Low-Volume High-Intensity Interval Training Compared to Moderate-Intensity Continuous Training on Glycemic Control and Body Composition in Older Women with Type 2 Diabetes. Obesities, 2021, 1, 72-87.	0.3	6
1255	Astaxanthin supplementation enhances metabolic adaptation with aerobic training in the elderly. Physiological Reports, 2021, 9, e14887.	0.7	9
1256	Sex differences in adaptation to intermittent post-exercise sauna bathing in trained middle-distance runners. Sports Medicine - Open, 2021, 7, 51.	1.3	3

#	Article	IF	Citations
1257	Evidence-Based Effects of High-Intensity Interval Training on Exercise Capacity and Health: A Review with Historical Perspective. International Journal of Environmental Research and Public Health, 2021, 18, 7201.	1.2	26
1258	The effects of acute aerobic and resistance exercise on mTOR signaling and autophagy markers in untrained human skeletal muscle. European Journal of Applied Physiology, 2021, 121, 2913-2924.	1.2	15
1259	Sustained Systemic Levels of IL-6 Impinge Early Muscle Growth and Induce Muscle Atrophy and Wasting in Adulthood. Cells, 2021, 10, 1816.	1.8	9
1260	Potential Physiological and Cellular Mechanisms of Exercise That Decrease the Risk of Severe Complications and Mortality Following SARS-CoV-2 Infection. Sports, 2021, 9, 121.	0.7	4
1261	Exercise and health: historical perspectives and new insights. Journal of Applied Physiology, 2021, 131, 575-588.	1.2	8
1262	HIIT'ing or MISS'ing the Optimal Management of Polycystic Ovary Syndrome: A Systematic Review and Meta-Analysis of High- Versus Moderate-Intensity Exercise Prescription. Frontiers in Physiology, 2021, 12, 715881.	1.3	5
1263	The Role of Mitochondrial Function in Peripheral Arterial Disease: Insights from Translational Studies. International Journal of Molecular Sciences, 2021, 22, 8478.	1.8	8
1265	Effect of heat acclimation on metabolic adaptations induced by endurance training in soleus rat muscle. Physiological Reports, 2021, 9, e14686.	0.7	2
1266	Concurrent Training and the Acute Interference Effect on Strength. Strength and Conditioning Journal, 2021, Publish Ahead of Print, .	0.7	3
1267	Normal tissue and tumor microenvironment adaptations to aerobic exercise enhance doxorubicin anti-tumor efficacy and ameliorate its cardiotoxicity in retired breeder mice. Oncotarget, 2021, 12, 1737-1748.	0.8	6
1268	Low-volume walking HIIT: Efficient strategy to improve physical capacity and reduce the risk of cardiovascular disease in older women with type 2 diabetes. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2021, 15, 102233.	1.8	9
1269	Skeletal Muscle Mitochondrial Physiology in Children With Cerebral Palsy: Considerations for Healthy Aging. Frontiers in Neurology, 2021, 12, 735009.	1.1	0
1270	Effect of pomegranate fruit supplementation on performance and various markers in athletes and active subjects: A systematic review. International Journal for Vitamin and Nutrition Research, 2021, 91, 547-561.	0.6	2
1271	A new technique to analyse threshold-intensities based on time dependent change-points in the ratio of minute ventilation and end-tidal partial pressure of carbon-dioxide production. Respiratory Physiology and Neurobiology, 2021, 294, 103735.	0.7	1
1272	Interval training during concurrent training optimizes cardiorespiratory adaptations in women. Revista Brasileira De Cineantropometria E Desempenho Humano, 0, 23, .	0.5	0
1274	Skeletal muscle plasticity â€“ history, facts and concepts. , 2006, , 1-27.		8
1275	Acclimatization and Adaptation: Organ to Cell. , 1991, , 177-190.		6
1276	31P Magnetic Resonance Spectroscopy Studies of Skeletal Muscle: New Insights into the Pathophysiology of Congestive Heart Failure. , 1993, , 143-152.		1

#	Article	IF	Citations
1277	Vascular Growth in Hypoxic Skeletal Muscle. Advances in Experimental Medicine and Biology, 1999, 474, 277-286.	0.8	22
1278	Application of Cross-Sectional Single-Fiber Microchemistry to the Study of Motor-Unit Fatigability. , 1987, , 23-27.		2
1279	Pyruvate Dehydrogenase Complex Activation Status and Acetyl Group Availability as a Site of Interchange between Anaerobic and Oxidative Metabolism during Intense Exercise. Advances in Experimental Medicine and Biology, 1998, 441, 287-298.	0.8	7
1280	Genomics of Aerobic Capacity and Endurance Performance: Clinical Implications. , 2011, , 179-229.		3
1281	Skeletal Muscle Dysfunction. , 2012, , 137-159.		1
1282	Effects of Temperature on Muscular Function and Locomotory Performance in Teleost Fish. Advances in Comparative and Environmental Physiology, 1989, , 115-156.	0.5	41
1283	An Overview of the Beneficial Effects of Exercise on Health and Performance. Advances in Experimental Medicine and Biology, 2020, 1228, 3-22.	0.8	44
1284	Pathophysiology of Intermittent Claudication. , 2006, , 239-247.		3
1285	Hepatic cobalamin deficiency induced by hydroxycobalamin[c-lactam] treatment in rats is associated with decreased mitochondrial mRNA contents and accumulation of polycistronic mitochondrial RNAs.. Journal of Biological Chemistry, 1994, 269, 3947-3951.	1.6	6
1286	Regulation of nuclear and mitochondrial gene expression by contractile activity in skeletal muscle.. Journal of Biological Chemistry, 1986, 261, 376-380.	1.6	238
1287	Inhibition of mitochondrial protein synthesis promotes increased stability of nuclear-encoded respiratory gene transcripts.. Journal of Biological Chemistry, 1994, 269, 27322-27328.	1.6	75
1288	Influence of mitochondrial content on the sensitivity of respiratory control.. Journal of Biological Chemistry, 1987, 262, 9109-9114.	1.6	280
1289	Adaptation of skeletal muscle to increased contractile activity. Expression nuclear genes encoding mitochondrial proteins.. Journal of Biological Chemistry, 1987, 262, 2764-2767.	1.6	159
1290	Skeletal Muscle Injuries. Orthopedic Clinics of North America, 1995, 26, 411-422.	0.5	69
1291	Exercise Training Programs and Cardiorespiratory Adaptation. Clinics in Sports Medicine, 1991, 10, 19-32.	0.9	13
1292	E3 ubiquitin ligases. Essays in Biochemistry, 2005, 41, 15.	2.1	238
1293	EFFECTS OF HIGH RESISTANCE TRAINING IN PATIENTS WITH MYOTONIC DYSTROPHY. Journal of Rehabilitation Medicine, 1999, 31, 9-16.	1.1	66
1294	Fibromyalgia Is Not a Muscle Disorder. American Journal of the Medical Sciences, 1998, 315, 346-350.	0.4	65

#	Article	IF	Citations
1295	Contributions of Dynamic Phosphorus-31 Magnetic Resonance Spectroscopy to the Analysis of Muscle Fiber Distribution. Investigative Radiology, 1999, 34, 348.	3.5	5
1296	Adaptive strategies of respiratory muscles in response to endurance exercise. Medicine and Science in Sports and Exercise, 1996, 28, 1115-1122.	0.2	53
1297	Skeletal muscle adaptations to training under normobaric hypoxic versus normoxic conditions. Medicine and Science in Sports and Exercise, 1997, 29, 238-243.	0.2	100
1298	Lactate exchange and removal abilities in rowing performance. Medicine and Science in Sports and Exercise, 1997, 29, 396-401.	0.2	44
1299	Training enhanced hepatic gluconeogenesis: the importance for glucose homeostasis during exercise. Medicine and Science in Sports and Exercise, 1997, 29, 628-634.	0.2	17
1300	Effect of endurance training on ammonia and amino acid metabolism in humans. Medicine and Science in Sports and Exercise, 1997, 29, 646-653.	0.2	34
1301	Muscle-specific creatine kinase gene polymorphisms in elite endurance athletes and sedentary controls. Medicine and Science in Sports and Exercise, 1997, 29, 1444-1447.	0.2	49
1302	Time course of enhanced endothelium-mediated dilation in aorta of trained rats. Medicine and Science in Sports and Exercise, 1997, 29, 1454-1461.	0.2	143
1303	Myosin phenotype and bioenergetic characteristics of rat respiratory muscles. Medicine and Science in Sports and Exercise, 1997, 29, 1573-1579.	0.2	32
1304	Three mitochondrial DNA restriction polymorphisms in elite endurance athletes and sedentary controls. Medicine and Science in Sports and Exercise, 1998, 30, 687-690.	0.2	32
1305	HUMAN MUSCLE PERFORMANCE AND PCr DEPLETION WITH VARIED INSPIRED OXYGEN FRACTIONS: A 31P-MRS STUDY. Medicine and Science in Sports and Exercise, 1998, 30, 70.	0.2	1
1306	Histochemical and morphological characteristics of the vastus lateralis muscle in patients with chronic obstructive pulmonary disease. Medicine and Science in Sports and Exercise, 1998, 30, 1467-1474.	0.2	372
1307	Increased fat availability enhances the capacity of trained individuals to perform prolonged exercise. Medicine and Science in Sports and Exercise, 1999, 31, 1570.	0.2	33
1308	Increase in Cytosolic Ca2+ levels induce Mitochondrial Biogenesis and enhance Oxidative capacity and Glucose transport. Medicine and Science in Sports and Exercise, 2002, 34, 7.	0.2	1
1311	AMPK activation increases uncoupling protein-3 expression and mitochondrial enzyme activities in rat muscle without fibre type transitions. Journal of Physiology, 2003, 551, 169-178.	1.3	89
1312	Exercise Standards. Circulation, 1995, 91, 580-615.	1.6	506
1313	Skeletal Muscle and Cardiovascular Adaptations to Exercise Conditioning in Older Coronary Patients. Circulation, 1996, 94, 323-330.	1.6	121
1314	Fatty acid kinetic responses to exercise. Effects of obesity, body fat distribution, and energy-restricted diet.. Journal of Clinical Investigation, 1993, 92, 255-261.	3.9	70

#	Article	IF	Citations
1315	Histone methyltransferase MLL4 controls myofiber identity and muscle performance through MEF2 interaction. Journal of Clinical Investigation, 2020, 130, 4710-4725.	3.9	24
1316	Mitochondria in Diabetes Mellitus. Oxidative Stress and Disease, 2005, , 377-454.	0.3	1
1317	Assessment of Protein Status in Athletes. , 2002, , 283-316.		2
1318	Body Composition and Gender Differences in Performance. , 2002, , 177-200.		6
1319	Fuels and pathways as designed systems for support of muscle work. Journal of Experimental Biology, 1985, 115, 149-164.	0.8	65
1320	Metabolic and circulatory limitations to muscular performance at the organ level. Journal of Experimental Biology, 1985, 115, 307-318.	0.8	38
1321	Malleability of skeletal muscle in overcoming limitations: structural elements. Journal of Experimental Biology, 1985, 115, 355-364.	0.8	94
1322	Responses of Intermediary Metabolism to Acute Handling Stress and Recovery in Untrained and Trained Leuciscus Cephalus (Cyprinidae, Teleostei). Journal of Experimental Biology, 1988, 140, 393-404.	0.8	44
1323	Efficiency of Fast- and Slow-Twitch Muscles of the Mouse Performing Cyclic Contractions. Journal of Experimental Biology, 1994, 193, 65-78.	0.8	80
1324	Physiological basis of temperature-dependent biogeography: trade-offs in muscle design and performance in polar ectotherms. Journal of Experimental Biology, 2002, 205, 2217-2230.	0.8	200
1325	Going with the flow or life in the fast lane: contrasting mitochondrial responses to thermal change. Journal of Experimental Biology, 2002, 205, 2237-2249.	0.8	154
1326	UCP2 and UCP3 in muscle controlling body metabolism. Journal of Experimental Biology, 2002, 205, 2275-2285.	0.8	172
1327	Effects of Circuit Resistance Training and P Timely Protein Supplementation on Exercise-Induced Fat Oxidation in Tetraplegic Adults. Topics in Spinal Cord Injury Rehabilitation, 2014, 20, 113-122.	0.8	10
1328	Electrical Pulse Stimulation of Cultured Human Skeletal Muscle Cells as an In Vitro Model of Exercise. PLoS ONE, 2012, 7, e33203.	1.1	127
1329	PGC-1Î± is Dispensable for Exercise-Induced Mitochondrial Biogenesis in Skeletal Muscle. PLoS ONE, 2012, 7, e41817.	1.1	108
1330	Rats Bred for Low Aerobic Capacity Become Promptly Fatigued and Have Slow Metabolic Recovery after Stimulated, Maximal Muscle Contractions. PLoS ONE, 2012, 7, e48345.	1.1	9
1331	VO2max Trainability and High Intensity Interval Training in Humans: A Meta-Analysis. PLoS ONE, 2013, 8, e73182.	1.1	216
1332	Time Course Analysis Reveals Gene-Specific Transcript and Protein Kinetics of Adaptation to Short-Term Aerobic Exercise Training in Human Skeletal Muscle. PLoS ONE, 2013, 8, e74098.	1.1	97

#	Article	IF	Citations
1333	Physical Activity and Sedentary Behavior Associated with Components of Metabolic Syndrome among People in Rural China. PLoS ONE, 2016, 11, e0147062.	1.1	48
1334	Oxygen uptake kinetics and energy systemâ€™s contribution around maximal lactate steady state swimming intensity. PLoS ONE, 2017, 12, e0167263.	1.1	17
1335	Effects of manipulating the duration and intensity of aerobic training sessions on the physical performance of rats. PLoS ONE, 2017, 12, e0183763.	1.1	22
1336	A long-term mechanistic computational model of physiological factors driving the onset of type 2 diabetes in an individual. PLoS ONE, 2018, 13, e0192472.	1.1	17
1337	Effect of resveratrol administration on muscle glycogen levels in rats subjected to acute swimming exercise. Cellular and Molecular Biology, 2019, 65, 28.	0.3	8
1338	Physiological and Psychological Adaptations of Trained Cyclists to Spring Cycling Camps. Journal of Human Kinetics, 2018, 64, 137-146.	0.7	1
1339	A Comparison of Linear and Daily Undulating Periodized Programs With Equated Volume and Intensity for Local Muscular Endurance. Journal of Strength and Conditioning Research, 2003, 17, 82.	1.0	74
1340	Prevalensi dan Faktor Risiko Nyeri Punggung Bawah di Lingkungan Kerja Anestesiologi Rumah Sakit Dr. Hasan Sadikin Bandung. Jurnal Anestesi Perioperatif, 2015, 3, 47-56.	0.1	5
1341	Metabolic adaptation by acute and chronic endurance swim exercise in skeletal muscle.. Exercise Science, 2012, 21, 331-338.	0.1	1
1342	Potential role of exercise-induced glucose-6-phosphate isomerase in skeletal muscle function. Journal of Exercise Nutrition & Biochemistry, 2019, 23, 28-33.	1.3	4
1343	Blood Lactate Changes during Isocapnic Buffering in Sprinters and Long Distance Runners.. Journal of Physiological Anthropology and Applied Human Science, 2002, 21, 143-149.	0.4	16
1344	Relationship between Mitochondrial DNA Polymorphism and the Individual Differences in Aerobic Performance.. The Japanese Journal of Physiology, 2001, 51, 563-568.	0.9	15
1345	Pharmacological Properties of Physical Exercise in The Elderly. Current Pharmaceutical Design, 2014, 20, 3019-3029.	0.9	33
1346	Effect of Rehabilitative Exercise Training on Peripheral Muscle Remodelling in Patients with COPD: Targeting Beyond the Lungs. Current Drug Targets, 2013, 14, 262-273.	1.0	6
1347	Chapter 10. Muscle Structure and Metabolism. , 1996, , 231-246.		1
1348	Effectiveness of Fartlek Training on Maximum Oxygen Consumption and Resting Pulse Rate. International Journal of Physical Education Fitness and Sports, 2014, 3, 85-88.	0.2	4
1349	Metabolism and habitat competition in the polychaete Nereis virens. Marine Ecology - Progress Series, 1997, 156, 151-156.	0.9	13
1350	Post-Exercise Changes of Beta Hydroxybutyrate as a Predictor of Weight Changes. Physiological Research, 2014, 63, S321-S325.	0.4	9

#	Article	IF	Citations
1351	Mitochondrial Adaptations in Aged Skeletal Muscle: Effect of Exercise Training. Physiological Research, 2017, 66, 1-14.	0.4	14
1352	Fat Oxidation Kinetics Is Related to Muscle Deoxygenation Kinetics During Exercise. Frontiers in Physiology, 2020, 11, 571.	1.3	7
1353	Different continuous training modalities result in distinctive effects on muscle structure, plasticity and function. Biomedical Reports, 2020, 12, 267-275.	0.9	7
1354	Effects of interval time between high-intensity intermittent aerobic exercise on strength performance: analysis in individuals with different training background. Journal of Human Sport and Exercise, 2012, 7, 815-825.	0.2	11
1355	Effects of fitness training on physical fitness parameters and quality of life in human immunodeficiency virus-positive Indian females. Indian Journal of Sexually Transmitted Diseases and AIDS, 2017, 38, 47.	0.6	13
1356	Suryanamaskar: An equivalent approach towards management of physical fitness in obese females. International Journal of Yoga, 2015, 8, 27.	0.4	19
1357	Fatigability during volitional walking in incomplete spinal cord injury: cardiorespiratory and motor performance considerations. Neural Regeneration Research, 2018, 13, 786.	1.6	4
1358	Depression and Vitamin D Deficiency: Causality, Assessment, and Clinical Practice Implications. Neuropsychiatry, 2017, 07, .	0.4	18
1359	Peak O₂ Uptake Correlates with Fat Free Mass in Athletes but Not in Sedentary Subjects. Health, 2019, 11, 40-49.	0.1	2
1360	Independent effects of diet and exercise training on fat oxidation in non-alcoholic fatty liver disease. World Journal of Hepatology, 2016, 8, 1137.	0.8	5
1361	A Study on Association of Degree of Physical Exercise and Plasma 25-(OH) Vitamin D Levels. Indian Journal of Medical Biochemistry, 2018, 22, 90-93.	0.1	1
1362	Bioactive Compounds in Phytomedicine. , 2012, , .		8
1363	Polyphenols as Adaptogens â€“ The Real Mechanism of the Antioxidant Effect?. , 0, , .		2
1364	RELATIONSHIP BETWEEN SPRINT ABILITY UNDER THE CONDITION OF MUSCULAR FATIGUE, AND PHYSICAL FITNESS FACTORS. Japanese Journal of Physical Fitness and Sports Medicine, 1998, 47, 535-542.	0.0	5
1365	Athleteâ€™s Heart with a Systemic Right Ventricle?. Cardiology and Angiology, 2014, 2, 293-297.	0.0	1
1366	Analysis of potential regulatory LncRNAs and CircRNAs in the oxidative myofiber and glycolytic myofiber of chickens. Scientific Reports, 2021, 11, 20861.	1.6	5
1367	Lipids, Exercise, and Immunology. Nutrition in Exercise and Sport, 2000, , .	0.1	0
1368	Sports Elite Athletes. , 2001, , .		0

#	Article	IF	Citations
1369	Sports â€" Elite Athletes. , 2001, , 959-976.		0
1370	The Effects of a 10-Kilometer Run on Muscle Strength and Power. Journal of Strength and Conditioning Research, 2002, 16, 184.	1.0	6
1371	Departamento de Fisiologia. Medicina, 2002, 35, 277-283.	0.0	5
1372	HEMODYNAMIC RESPONSE FOLLOWING RESISTANCE EXERCISE IN YOUNG AND OLDER ADULT WOMEN. Medicine and Science in Sports and Exercise, 2003, 35, S245.	0.2	0
1373	THE INFLUENCE OF REGULAR POST-EXERCISE COLD APPLICATION ON EXERCISED MUSCLES WITH ENDURANCE TRAINING. Japanese Journal of Physical Fitness and Sports Medicine, 2004, 53, 519-526.	0.0	0
1375	The physiology and pathology of heat and cold. , 2007, , 339-350.		0
1376	Commuting to high altitude for commercial and other activities. , 2007, , 373-384.		0
1377	Deconditioning. , 2008, , 1213-1221.		2
1378	Reply to B. Kay. American Journal of Physiology - Advances in Physiology Education, 2008, 32, 246-247.	0.8	1
1380	Effects of Anaerobic Wingate Test Training and Detraining on Cardiorespiratory Responses. Korean Journal of Sport Science, 2010, 21, 929-937.	0.0	1
1381	Biological Pathways Impacting Cancer Survival: Exercise as a Countermeasure for the Development and Progression of Cachexia. , 2013, , 59-81.		0
1382	Decreased expression of key glycolytic enzymes are responsible for glycogen sparing adaptation in short-term endurance trained rat skeletal muscles. Exercise Science, 2013, 22, 133-142.	0.1	0
1384	Effect of combined endurance and weight training on muscle morphology and oxidative enzyme activities in human skeletal muscle. Journal of the Korea Academia-Industrial Cooperation Society, 2014, 15, 367-376.	0.0	0
1385	Role of Antioxidant Signaling in Mitochondrial Adaptation to Muscle Contraction. , 2014, , 3117-3140.		0
1386	Walking and Aerobic Capacity in Old Adults after Concentric and Eccentric Endurance Exercise at Self-Selected Intensities. Health, 2014, 06, 654-663.	0.1	1
1387	Mitochondrial Biogenesis and Quality Control. Advances in Photosynthesis and Respiration, 2014, , 451-476.	1.0	0
1388	The metabolic syndrome and signal transduction of gene expression. , 1991, 86 Suppl 3, 65-81.		9
1389	Protein Binding to a Single Termination-Associated Sequence in the Mitochondrial DNA D-Loop Region. Molecular and Cellular Biology, 1993, 13, 2162-2171.	1.1	43

#	Article	IF	Citations
1390	Effect of exercise tests on skeletal muscles.Containing recent knowledge on magnetic resonance medical research.. The Japanese Journal of Rehabilitation Medicine, 1994, 31, 431-440.	0.1	0
1391	Physiologic Aspects of Bicycling. Clinics in Sports Medicine, 1994, 13, 15-38.	0.9	4
1392	METABOLIC ADAPTATIONS TO ENDURANCE TRAINING MONITORED BY BLOOD LACTATE CONCENTRATION IN MALE RATS. Japanese Journal of Physical Fitness and Sports Medicine, 1995, 44, 127-135.	0.0	0
1393	Hemodynamic and metabolic effect of propionyl-L-carnitine in patients with heart failure. Developments in Cardiovascular Medicine, 1995, , 337-351.	0.1	1
1394	Vascular Remodeling During Heart Failure. , 1997, , 5-18.		0
1396	Effects of Exercise Intensity on PGC-1Î±, PPAR-Î³, and Insulin Resistance in Skeletal Muscle of High Fat Diet-fed Sprague-Dawley Rats. Journal of the Korean Society of Food Science and Nutrition, 2014, 43, 963-971.	0.2	0
1397	Review on Molecular Biological Approaches to Investigate the Effect of Endurance Training. IJASS(International Journal of Applied Sports Sciences), 2014, 26, 76-88.	0.0	0
1398	Effects of Aerobic Exercise on the Intramuscular Lipid and Glycogen Content of Fiber Types in Soleus Muscles of Non-Alcoholic Steatohepatitis Model Rats. Open Journal of Endocrine and Metabolic Diseases, 2015, 05, 131-137.	0.2	0
1399	Metabolic and Antioxidant Adaptation to Exercise: Role of Redox Signaling. Healthy Ageing and Longevity, 2015, , 101-125.	0.2	0
1400	2 Training. , 2016, , 41-79.		0
1401	Heteropterys tomentosa Improves the Endurance Capacity of Skeletal Muscles in Trained Rats. IOSR Journal of Pharmacy and Biological Sciences, 2016, 11, 39-45.	0.1	1
1402	Cardio-respiratory capacity as an important biomarker of health. TÄ›lesnÃ¡ Kultura, 2016, 39, 82-93.	0.2	0
1403	Effect of Pole-Assisted Walking on Intramuscular Lipids in Elderly Nursing Home Residents. Journal of Nursing & Care, 2017, 06, .	0.1	0
1404	OXIDATIVE POWER AND INTRACELLULAR DISTRIBUTION OF MITOCHONDRIA AS A REGULATOR OF CELL OXYGEN REGIME UNDER CIRCULATORY HYPOXIA. Fiziologicheskii Zhurnal, 2017, 63, 24-31.	0.2	0
1405	Genetik der LeistungsfÃ¤higkeit und Trainierbarkeit. , 2018, , 419-445.		0
1406	Physiological and Physical Adaptations within the Working Muscle Specific to Cardiovascular Training, Lactate Training, Adenosine Triphosphate-Phosphocreatine Training and Power Training. MOJ Sports Medicine, 2017, 1, .	0.1	0
1408	Effect of endurance training intensity (low, moderate and high) on the expression of skeletal muscle ATGL protein and serum levels of insulin and glucose in male diabetic rats. Scientific Journal of Kurdistan University of Medical Sciences, 2018, 23, 92-102.	0.1	3
1410	Comprehensive Relevance of AMPK in Adaptive Responses of Physical Exercise, Skeletal Muscle and Neuromuscular Disorders. Journal of the Korean Society of Physical Medicine, 2018, 13, 141-150.	0.1	0

#	Article	IF	Citations
1411	A comparison of isocapnic buffering phase of cross-country skiers and alpine skiers. Pedagogics, Psychology, Medical-Biological Problems of Physical Training and Sports, 2018, 22, 203.	0.4	0
1412	Mesures hygiÃ©no-diÃ©tÃ©tiques et Ã©tats diabÃ©tiques. , 2019, , 113-140.		0
1416	The Comparison of Lower and Higher Extremity Anaerobic Power Capacities of Indoor Athletes. Journal of Education and Learning, 2019, 8, 100.	0.2	0
1419	Effects of Combined Strength and Endurance Training on Body Composition, Physical Fitness, and Serum Hormones During a 6-Month Crisis Management Operation. Journal of Strength and Conditioning Research, 2020, Publish Ahead of Print, .	1.0	3
1420	Efeitos de um programa de intervenÃ§Ã£o de oito semanas de exercÃcio fÃsico na aptidÃ£o cardiorrespiratÃ³ria e duraÃ§Ã£o da dor em mulheres sedentÃ¡rias com migrÃ¢nea. , 2019, 3, .		0
1421	Redox Signaling. , 2020, , 1-10.		0
1422	Biobehavioral Factors Related to the Development and Course of Type 2 Diabetes and Cardiometabolic Impairment in Adults: The Critical Role of Weight, Diet, Physical Activity, and Other Lifestyle Behaviors. , 2020, , 279-301.		0
1423	Divergent serum metabolomic, skeletal muscle signaling, transcriptomic, and performance adaptations to fasted versus whey protein-fed sprint interval training. American Journal of Physiology - Endocrinology and Metabolism, 2021, 321, E802-E820.	1.8	6
1424	Oral creatine supplementation decreases plasma markers of adenine nucleotide degradation during a 1-h cycle test. Acta Physiologica Scandinavica, 2000, 170, 217-224.	2.3	8
1425	Similar rates of fat oxidation during graded submaximal exercise in women of different body composition. PLoS ONE, 2020, 15, e0242551.	1.1	4
1426	Higher Peak Fat Oxidation During Rowing vs. Cycling in Active Men and Women. Journal of Strength and Conditioning Research, 2021, 35, 9-15.	1.0	2
1427	A STUDY ABOUT COMPARISON OF PHYSICAL PARAMETERS IN YOUTH BASKETBALL PLAYERS IN MITROVICA AND TIRANA. European Journal of Health and Science in Sports, 2020, , 19-25.	0.0	0
1428	Adaptation of Respiratory Muscles to Acute and Chronic Stress. Clinics in Chest Medicine, 1986, 7, 79-89.	0.8	4
1429	Exercise in Chronic Obstructive Pulmonary Disease. Clinics in Chest Medicine, 1986, 7, 585-597.	0.8	74
1430	Differential effects of endurance training and creatine depletion on regional mitochondrial adaptations in rat skeletal muscle. Biochemical Journal, 2000, 350 Pt 2, 547-53.	1.7	7
1431	Quercetin supplementation does not attenuate exercise performance and body composition in young female swimmers. International Journal of Preventive Medicine, 2013, 4, S43-7.	0.2	2
1432	Trainability of young athletes and overtraining. Journal of Sports Science and Medicine, 2007, 6, 353-67.	0.7	49
1433	Relationship between Fat Oxidation and Lactate Threshold in Athletes and Obese Women and Men. Journal of Sports Science and Medicine, 2004, 3, 174-81.	0.7	36

#	Article	IF	Citations
1434	Lactate and Ventilatory Thresholds Reflect the Training Status of Professional Soccer Players Where Maximum Aerobic Power is Unchanged. Journal of Sports Science and Medicine, 2003, 2, 23-9.	0.7	60
1435	Effects of a Worksite Health Programme on the Improvement of Physical Health among Overweight and Obese Civil Servants: A Pilot Study. The Malaysian Journal of Medical Sciences, 2013, 20, 54-60.	0.3	4
1436	Exercise-induced signal transduction and gene regulation in skeletal muscle. Journal of Sports Science and Medicine, 2002, 1, 103-14.	0.7	8
1437	The Effect of Energy Patches on Substrate Utilization in Collegiate Cross-Country Runners. International Journal of Exercise Science, 2011, 4, 113-121.	0.5	0
1438	Genetic Variation of Fatty Acid Oxidation and Obesity, A Literature Review. International Journal of Biomedical Science, 2016, 12, 1-8.	0.5	4
1439	The Effect of High Intensity Interval Run Training on Cross-sectional Area of the Vastus Lateralis in Untrained College Students. International Journal of Exercise Science, 2017, 10, 137-145.	0.5	7
1441	Effect of 8 Weeks Soccer Training on Health and Physical Performance in Untrained Women. Journal of Sports Science and Medicine, 2018, 17, 17-23.	0.7	3
1442	Maximum Strength Development and Volume-Load during Concurrent High Intensity Intermittent Training Plus Strength or Strength-Only Training. Journal of Sports Science and Medicine, 2018, 17, 623-632.	0.7	7
1443	Measurement of Strength Gains Using a Fascial System Exercise Program. International Journal of Exercise Science, 2019, 12, 825-838.	0.5	1
1444	Training on a Lower Body Positive Pressure Treadmill with Body Weight Support does not Improve Aerobic Capacity. International Journal of Exercise Science, 2021, 14, 829-839.	0.5	0
1445	Circular RNA screening identifies circMYLK4 as a regulator of fast/slow myofibers in porcine skeletal muscles. Molecular Genetics and Genomics, 2022, 297, 87-99.	1.0	7
1446	Revisiting the contribution of mitochondrial biology to the pathophysiology of skeletal muscle insulin resistance. Biochemical Journal, 2021, 478, 3809-3826.	1.7	5
1447	Three weeks of a home-based â€œsleep low-train lowâ€•intervention improves functional threshold power in trained cyclists: A feasibility study. PLoS ONE, 2021, 16, e0260959.	1.1	4
1448	Systematic Review and Meta-Analysis of Endurance Exercise Training Protocols for Mice. Frontiers in Physiology, 2021, 12, 782695.	1.3	7
1449	Redox Signaling. , 2021, , 4165-4174.		0
1450	Las funciones metabÃ³licas, endocrinas y reguladoras de la expresiÃ³n genÃ©tica del lactato. Revista De La Facultad De Medicina, Universidad Nacional Autonoma De Mexico, 2020, 63, 7-17.	0.0	1
1451	Effect of chronic muscle contraction on expression of contractile and metabolic proteins in mouse primary cultured myotubes. The Journal of Physical Fitness and Sports Medicine, 2022, 11, 51-56.	0.2	0
1452	Methylglyoxal reduces molecular responsiveness to 4 weeks of endurance exercise in mouse plantaris muscle. Journal of Applied Physiology, 2022, 132, 477-488.	1.2	2

#	Article	IF	Citations
1453	Acute Succinate Administration Increases Oxidative Phosphorylation and Skeletal Muscle Explosive Strength via SUCNR1. Frontiers in Veterinary Science, 2021, 8, 808863.	0.9	7
1454	Role of MicroRNAs and Long Non-Coding RNAs in Sarcopenia. Cells, 2022, 11, 187.	1.8	16
1455	The Aging Athlete: Paradigm of Healthy Aging. International Journal of Sports Medicine, 2022, 43, 661-678.	0.8	7
1456	VO2 kinetics and bioenergetic responses to sets performed at 90%, 92.5%, and 95% of 400-m front crawl speed in male swimmers. Sport Sciences for Health, 2022, 18, 1321-1329.	0.4	3
1457	TLR4-Mediated Inflammatory Responses Regulate Exercise-Induced Molecular Adaptations in Mouse Skeletal Muscle. International Journal of Molecular Sciences, 2022, 23, 1877.	1.8	0
1458	The Effects of Dietary Protein Supplementation on Acute Changes in Muscle Protein Synthesis and Longer-Term Changes in Muscle Mass, Strength, and Aerobic Capacity in Response to Concurrent Resistance and Endurance Exercise in Healthy Adults: A Systematic Review. Sports Medicine, 2022, , 1.	3.1	11
1459	An Overview on How Exercise with Green Tea Consumption Can Prevent the Production of Reactive Oxygen Species and Improve Sports Performance. International Journal of Environmental Research and Public Health, 2022, 19, 218.	1.2	15
1460	Development of running performance and endurance in youth soccer players following high-intensity continuous running of short exercise duration. Gazzetta Medica Italiana Archivio Per Le Scienze Mediche, 2022, 180, .	0.0	0
1461	Transient changes to metabolic homeostasis initiate mitochondrial adaptation to endurance exercise. Seminars in Cell and Developmental Biology, 2023, 143, 3-16.	2.3	3
1462	Fatigability and the Role of Neuromuscular Impairments in Chronic Kidney Disease. American Journal of Nephrology, 2022, 53, 253-263.	1.4	6
1463	State of Knowledge on Molecular Adaptations to Exercise in Humans: Historical Perspectives and Future Directions. , 2022, 12, 3193-3279.		18
1464	Hybrid Functional Electrical Stimulation Improves Anaerobic Threshold in First Three Years after Spinal Cord Injury. Journal of Neurotrauma, 2022, , .	1.7	2
1465	Biomarkers and genetic polymorphisms associated with maximal fat oxidation during physical exercise: implications for metabolic health and sports performance. European Journal of Applied Physiology, 2022, 122, 1773-1795.	1.2	9
1466	Evaluation of Lower Limb Muscle Electromyographic Activity during 400 m Indoor Sprinting among Elite Female Athletes: A Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2021, 18, 13177.	1.2	1
1467	Training and Evidenceï¼šResistance Training and Respiratory Muscle Training. The Japanese Journal of Rehabilitation Medicine, 2022, 59, 52-59.	0.0	0
1468	Effects of a 12-Week Detraining Period on Physical Capacity, Power and Speed in Elite Swimmers. International Journal of Environmental Research and Public Health, 2022, 19, 4594.	1.2	2
1469	Genetics and sports performance: the present and future in the identification of talent for sports based on DNA testing. European Journal of Applied Physiology, 2022, 122, 1811-1830.	1.2	26
1473	Association of peak aerobic power with capillary density but not oxidative potential in human vastus lateralis muscle. Canadian Journal of Physiology and Pharmacology, 2011, 89, 819-27.	0.7	2

#	Article	IF	Citations
1474	Risk factors for vitamin D deficiency in Abu Dhabi Emirati population. PLoS ONE, 2022, 17, e0264064.	1.1	3
1475	The Performance, Physiology and Morphology of Female and Male Olympic-Distance Triathletes. Healthcare (Switzerland), 2022, 10, 797.	1.0	5
1476	Time course and fibre typeâ€dependent nature of calciumâ€handling protein responses to sprint interval exercise in human skeletal muscle. Journal of Physiology, 2022, 600, 2897-2917.	1.3	6
1477	Concurrent Training Programming: The Acute Effects of Sprint Interval Exercise on the Subsequent Strength Training. Sports, 2022, 10, 75.	0.7	2
1478	Prevalence of Metabolic Syndrome and its Associated Risk Factors in Pediatric Obesity. Journal of the ASEAN Federation of Endocrine Societies, 2022, 37, 24-30.	0.1	5
1479	Effect of Athletic Training on Fatigue During Neuromuscular Electrical Stimulation. Frontiers in Sports and Active Living, 0, 4, .	0.9	1
1480	Effects of endurance training on metabolic enzyme activity and transporter protein levels in the skeletal muscles of orchiectomized mice. Journal of Physiological Sciences, 2022, 72, .	0.9	9
1481	Factors Influencing Substrate Oxidation During Submaximal Cycling: A Modelling Analysis. Sports Medicine, 2022, 52, 2775-2795.	3.1	14
1482	<scp>MOTS</scp> â€c increases in skeletal muscle following longâ€term physical activity and improves acute exercise performance after a single dose. Physiological Reports, 2022, 10, .	0.7	10
1483	AvaliaÃ§Ã£o funcional multivariada em jogadores de futebol profissional: uma metanÃ¡lise. Acta FisiÃ¡trica, 1997, 4, 65-81.	0.0	5
1484	Effects of high-intensity interval training (HIIT) and sprint interval training (SIT) on fat oxidation during exercise: a systematic review and meta-analysis. British Journal of Sports Medicine, 2022, 56, 988-996.	3.1	13
1485	Insight Into the Metabolic Adaptations of Electrically Pulse-Stimulated Human Myotubes Using Global Analysis of the Transcriptome and Proteome. Frontiers in Physiology, 0, 13, .	1.3	8
1486	Physical Activity and Exercise for Cardiorespiratory Health and Fitness in Chronic Kidney Disease. Reviews in Cardiovascular Medicine, 2022, 23, 273.	0.5	3
1487	Antioxidative properties of phenolic compounds and their effect on oxidative stress induced by severe physical exercise. Journal of Physiological Sciences, 2022, 72, .	0.9	41
1488	Serial vs. Integrated Outdoor Combined Training Programs for Health Promotion in Middle-Aged Males. Sports, 2022, 10, 122.	0.7	5
1489	The non-modifiable factors age, gender, and genetics influence resistance exercise. Frontiers in Aging, 0, 3, .	1.2	6
1490	Comparing walking and running in persistence hunting. Journal of Human Evolution, 2022, 172, 103247.	1.3	4
1491	A Brief History of Exercise Metabolism. Physiology in Health and Disease, 2022, , 1-18.	0.2	0

#	Article	IF	Citations
1492	Correlation between Repeated Sprint Ability (RSA) and Hoff Test of High School Soccer Plyers. Exercise Science, 2022, 31, 376-382.	0.1	1
1493	Relationship between Lower Extremity Fitness Levels and Injury Risk among Recreational Alpine Skiers: A Prospective Cohort Study. International Journal of Environmental Research and Public Health, 2022, 19, 10430.	1.2	2
1494	Swimming Warm-Up and Beyond: Dryland Protocols and Their Related Mechanismsâ€"A Scoping Review. Sports Medicine - Open, 2022, 8, .	1.3	4
1495	THE ROLE OF EXERCISE IN THE PREVENTION AND TREATMENT OF OSTEOPOROSIS AND OSTEOARTHRITIS. Nursing Clinics of North America, 2000, 35, 209-221.	0.7	27
1498	Branchedâ€chain amino acid supplementation suppresses the detrainingâ€induced reduction of mitochondrial content in mouse skeletal muscle. FASEB Journal, 2022, 36, .	0.2	3
1499	A 6-day high-intensity interval microcycle improves indicators of endurance performance in elite cross-country skiers. Frontiers in Sports and Active Living, 0, 4, .	0.9	0
1500	Training in Hypoxia at Alternating High Altitudes Is a Factor Favoring the Increase in Sports Performance. Healthcare (Switzerland), 2022, 10, 2296.	1.0	4
1501	Molecular responses to acute exercise and their relevance for adaptations in skeletal muscle to exercise training. Physiological Reviews, 2023, 103, 2057-2170.	13.1	51
1502	Ammonium chloride administration prevents training-induced improvements in mitochondrial respiratory function in the soleus muscle of male rats. American Journal of Physiology - Cell Physiology, 2023, 324, C67-C75.	2.1	0
1503	Physiological relationship between cardiorespiratory fitness and fitness for surgery: a narrative review. British Journal of Anaesthesia, 2023, 130, 122-132.	1.5	5
1504	Exercise responses in patients with an enzyme deficiency in the mitochondrial respiratory chain. European Respiratory Journal, 1988, 1, 445-452.	3.1	14
1505	Lactate as a myokine and exerkine: drivers and signals of physiology and metabolism. Journal of Applied Physiology, 2023, 134, 529-548.	1.2	27
1506	Loss of skeletal muscle estrogen-related receptors leads to severe exercise intolerance. Molecular Metabolism, 2023, 68, 101670.	3.0	6
1507	VALIDACIÃ“N DE UN TEST DE CARRERA SOBRE 3200 M. PARA LA DETERMINACIÃ“N DEL CONSUMO MÃXIMO DE OXIGENO Y DE LAS FRACCIONES AERÃ“BICA-ANAERÃ“BICAS A CONCENTRACIONES DEFINIDAS DE LACTATO PLASMÃTICO EN CORREDORES DE FONDO. Educacion FÃsica Y Deporte, 2010, 13, 83-100.	0.1	0
1508	Novel Insights into Mitochondrial DNA: Mitochondrial Microproteins and mtDNA Variants Modulate Athletic Performance and Age-Related Diseases. Genes, 2023, 14, 286.	1.0	9
1509	Physiological significance of elevated levels of lactate by exercise training in the brain and body. Journal of Bioscience and Bioengineering, 2023, 135, 167-175.	1.1	5
1510	The PPARGC1A Gly482Ser polymorphism is associated with elite long-distance running performance. Journal of Sports Sciences, 2023, 41, 56-62.	1.0	3
1511	Amateur Female Athletes Perform the Running Split of a Triathlon Race at Higher Relative Intensity than the Male Athletes: A Cross-Sectional Study. Healthcare (Switzerland), 2023, 11, 418.	1.0	2

#	Article	IF	Citations
1512	Therapeutic Physical Exercise Programs in the Context of NASH Cirrhosis and Liver Transplantation: A Systematic Review. Metabolites, 2023, 13, 330.	1.3	4
1513	Maximal Oxygen Consumption. , 2023, , 223-258.		0
1514	Low carbohydrate high fat ketogenic diets on the exercise crossover point and glucose homeostasis. Frontiers in Physiology, 0, 14, .	1.3	5
1515	Importance of training volume during intensified training in elite cyclists: Maintained vs. reduced volume at moderate intensity. Scandinavian Journal of Medicine and Science in Sports, 2024, 34, .	1.3	0
1516	Insights into the development of insulin resistance: Unraveling the interaction of physical inactivity, lipid metabolism and mitochondrial biology. Frontiers in Physiology, 0, 14, .	1.3	4
1522	High-Intensity Interval Training and Resistance Training for Endurance Athletes. , 2023, , 355-372.		0
1538	Molekulare und physiologische Anpassungen an Ausdauertraining. , 2023, , 23-40.		0