J A L Calbet

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234 papers	10,549 citations	59 h-index	93 g-index
251 ext. papers	12,251 ext. citations	3.9 avg, IF	6.19 L-index

#	Paper	IF	Citations
234	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
233	Reductions in systemic and skeletal muscle blood flow and oxygen delivery limit maximal aerobic capacity in humans. *Circulation*, **2003**, 107, 824-30	16.7	253
232	Exercise and bone mass in adults. *Sports Medicine*, **2009**, 39, 439-68	10.6	233
231	Gastric emptying, gastric secretion and enterogastrone response after administration of milk proteins or their peptide hydrolysates in humans. *European Journal of Nutrition*, **2004**, 43, 127-39	5.2	217
230	Effects of velocity loss during resistance training on athletic performance, strength gains and muscle adaptations. *Scandinavian Journal of Medicine and Science in Sports*, **2017**, 27, 724-735	4.6	190
229	Convective oxygen transport and fatigue. *Journal of Applied Physiology*, **2008**, 104, 861-70	3.7	187
228	Muscle blood flow is reduced with dehydration during prolonged exercise in humans. *Journal of Physiology*, **1998**, 513 (Pt 3), 895-905	3.9	184
227	Determinants of maximal oxygen uptake in severe acute hypoxia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2003**, 284, R291-303	3.2	169
226	Role of caloric content on gastric emptying in humans. *Journal of Physiology*, **1997**, 498 (Pt 2), 553-9	3.9	157
225	Why do arms extract less oxygen than legs during exercise?. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 289, R1448-58	3.2	150
224	Plasma glucagon and insulin responses depend on the rate of appearance of amino acids after ingestion of different protein solutions in humans. *Journal of Nutrition*, **2002**, 132, 2174-82	4.1	149
223	Why is VO2 max after altitude acclimatization still reduced despite normalization of arterial O2 content?. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2003**, 284, R304-16	3.2	146
222	Chronic hypoxia increases blood pressure and noradrenaline spillover in healthy humans. *Journal of Physiology*, **2003**, 551, 379-86	3.9	144
221	Maximal muscular vascular conductances during whole body upright exercise in humans. *Journal of Physiology*, **2004**, 558, 319-31	3.9	142
220	Point: in health and in a normoxic environment, VO2 max is limited primarily by cardiac output and locomotor muscle blood flow. *Journal of Applied Physiology*, **2006**, 100, 744-5	3.7	137
219	Anaerobic energy provision does not limit Wingate exercise performance in endurance-trained cyclists. *Journal of Applied Physiology*, **2003**, 94, 668-76	3.7	137
218	Leg and arm lactate and substrate kinetics during exercise. *American Journal of Physiology - Endocrinology and Metabolism*, **2003**, 284, E193-205	6	130

217	Bone mineral content and density in professional tennis players. *Calcified Tissue International*, **1998**, 62, 491-6	3.9	129
216	Role of muscle mass on sprint performance: gender differences?. *European Journal of Applied Physiology*, **2008**, 102, 685-94	3.4	122
215	Metabolic and thermodynamic responses to dehydration-induced reductions in muscle blood flow in exercising humans. *Journal of Physiology*, **1999**, 520 Pt 2, 577-89	3.9	121
214	Cardiac output and leg and arm blood flow during incremental exercise to exhaustion on the cycle ergometer. *Journal of Applied Physiology*, **2007**, 103, 969-78	3.7	120
213	Parasympathetic neural activity accounts for the lowering of exercise heart rate at high altitude. *Circulation*, **2001**, 104, 1785-91	16.7	119
212	Cycling efficiency and pedalling frequency in road cyclists. *European Journal of Applied Physiology and Occupational Physiology*, **1999**, 80, 555-63		118
211	International Olympic Committee consensus statement on thermoregulatory and altitude challenges for high-level athletes. *British Journal of Sports Medicine*, **2012**, 46, 770-9	10.3	117
210	Muscular and pulmonary O2 uptake kinetics during moderate- and high-intensity sub-maximal knee-extensor exercise in humans. *Journal of Physiology*, **2009**, 587, 1843-56	3.9	116
209	Erythropoietin treatment elevates haemoglobin concentration by increasing red cell volume and depressing plasma volume. *Journal of Physiology*, **2007**, 578, 309-14	3.9	113
208	The response of human skeletal muscle tissue to hypoxia. *Cellular and Molecular Life Sciences*, **2009**, 66, 3615-23	10.3	111
207	Enhanced bone mass and physical fitness in prepubescent footballers. *Bone*, **2003**, 33, 853-9	4.7	111
206	Arterial O2 content and tension in regulation of cardiac output and leg blood flow during exercise in humans. *American Journal of Physiology - Heart and Circulatory Physiology*, **1999**, 276, H438-45	5.2	108
205	High femoral bone mineral density accretion in prepubertal soccer players. *Medicine and Science in Sports and Exercise*, **2004**, 36, 1789-95	1.2	105
204	Muscle glycogen resynthesis during recovery from cycle exercise: no effect of additional protein ingestion. *Journal of Applied Physiology*, **2000**, 88, 1631-6	3.7	104
203	Muscle mitochondrial capacity exceeds maximal oxygen delivery in humans. *Mitochondrion*, **2011**, 11, 303-7	4.9	103
202	Importance of hemoglobin concentration to exercise: acute manipulations. *Respiratory Physiology and Neurobiology*, **2006**, 151, 132-40	2.8	99
201	Strong iron demand during hypoxia-induced erythropoiesis is associated with down-regulation of iron-related proteins and myoglobin in human skeletal muscle. *Blood*, **2007**, 109, 4724-31	2.2	95
200	Does ₱altitude training₱increase exercise performance in elite athletes?. *British Journal of Sports Medicine*, **2012**, 46, 792-5	10.3	92

199	Human skeletal muscle and erythrocyte proteins involved in acid-base homeostasis: adaptations to chronic hypoxia. *Journal of Physiology*, **2003**, 548, 639-48	3.9	92
198	Regular participation in sports is associated with enhanced physical fitness and lower fat mass in prepubertal boys. *International Journal of Obesity*, **2004**, 28, 1585-93	5.5	90
197	Cytokine and hormone responses to resistance training. *European Journal of Applied Physiology*, **2009**, 107, 397-409	3.4	88
196	Energy metabolism during repeated sets of leg press exercise leading to failure or not. *PLoS ONE*, **2012**, 7, e40621	3.7	88
195	Air to muscle O2 delivery during exercise at altitude. *High Altitude Medicine and Biology*, **2009**, 10, 123-34	1.9	85
194	Bed rest reduces metabolic protein content and abolishes exercise-induced mRNA responses in human skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2011**, 301, E649-58	6	85
193	Effects of ATP-induced leg vasodilation on VO2 peak and leg O2 extraction during maximal exercise in humans. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 291, R447-53	3.2	82
192	High femoral bone mineral content and density in male football (soccer) players. *Medicine and Science in Sports and Exercise*, **2001**, 33, 1682-7	1.2	82
191	Pulmonary gas exchange at maximal exercise in Danish lowlanders during 8 wk of acclimatization to 4,100 m and in high-altitude Aymara natives. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2004**, 287, R1202-8	3.2	81
190	Enhanced bone mass and physical fitness in young female handball players. *Bone*, **2004**, 35, 1208-15	4.7	80
189	On the mechanisms that limit oxygen uptake during exercise in acute and chronic hypoxia: role of muscle mass. *Journal of Physiology*, **2009**, 587, 477-90	3.9	78
188	Muscular development and physical activity as major determinants of femoral bone mass acquisition during growth. *British Journal of Sports Medicine*, **2005**, 39, 611-6	10.3	78
187	Role of adenosine in exercise-induced human skeletal muscle vasodilatation. *Acta Physiologica Scandinavica*, **2001**, 171, 177-85		78
186	Pulmonary gas exchange and acid-base state at 5,260 m in high-altitude Bolivians and acclimatized lowlanders. *Journal of Applied Physiology*, **2002**, 92, 1393-400	3.7	75
185	Prolonged administration of recombinant human erythropoietin increases submaximal performance more than maximal aerobic capacity. *European Journal of Applied Physiology*, **2007**, 101, 481-6	3.4	74
184	GLUT4 and glycogen synthase are key players in bed rest-induced insulin resistance. *Diabetes*, **2012**, 61, 1090-9	0.9	73
183	Influence of extracurricular sport activities on body composition and physical fitness in boys: a 3-year longitudinal study. *International Journal of Obesity*, **2006**, 30, 1062-71	5.5	73
182	Maximal exercise and muscle oxygen extraction in acclimatizing lowlanders and high altitude natives. *Journal of Physiology*, **2006**, 573, 535-47	3.9	73

181	Does recombinant human Epo increase exercise capacity by means other than augmenting oxygen transport?. *Journal of Applied Physiology*, **2008**, 105, 581-7	3.7	71
180	Leptin receptors in human skeletal muscle. *Journal of Applied Physiology*, **2007**, 102, 1786-92	3.7	70
179	Normal mitochondrial function and increased fat oxidation capacity in leg and arm muscles in obese humans. *International Journal of Obesity*, **2011**, 35, 99-108	5.5	67
178	Acclimatization to 4100 m does not change capillary density or mRNA expression of potential angiogenesis regulatory factors in human skeletal muscle. *Journal of Experimental Biology*, **2004**, 207, 3865-71	3	63
177	Effect of blood haemoglobin concentration on V(O2,max) and cardiovascular function in lowlanders acclimatised to 5260 m. *Journal of Physiology*, **2002**, 545, 715-28	3.9	61
176	What limits performance during whole-body incremental exercise to exhaustion in humans?. *Journal of Physiology*, **2015**, 593, 4631-48	3.9	58
175	The upper extremity of the professional tennis player: muscle volumes, fiber-type distribution and muscle strength. *Scandinavian Journal of Medicine and Science in Sports*, **2010**, 20, 524-34	4.6	58
174	Limitations to oxygen transport and utilization during sprint exercise in humans: evidence for a functional reserve in muscle O2 diffusing capacity. *Journal of Physiology*, **2015**, 593, 4649-64	3.9	56
173	During hypoxic exercise some vasoconstriction is needed to match O2 delivery with O2 demand at the microcirculatory level. *Journal of Physiology*, **2008**, 586, 123-30	3.9	56
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171	Effects of weight lifting training combined with plyometric exercises on physical fitness, body composition, and knee extension velocity during kicking in football. *Applied Physiology, Nutrition and Metabolism*, **2008**, 33, 501-10	3	54
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167	Effects of recovery mode on performance, O2 uptake, and O2 deficit during high-intensity intermittent exercise. *Applied Physiology, Nutrition, and Metabolism*, **2004**, 29, 227-44		51
166	Hypoxia and the cardiovascular response to dynamic knee-extensor exercise. *American Journal of Physiology - Heart and Circulatory Physiology*, **1997**, 272, H2655-63	5.2	50
165	Disparity in regional and systemic circulatory capacities: do they affect the regulation of the circulation?. *Acta Physiologica*, **2010**, 199, 393-406	5.6	49
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162	The re-establishment of the normal blood lactate response to exercise in humans after prolonged acclimatization to altitude. *Journal of Physiology*, **2001**, 536, 963-75	3.9	48
161	Central and peripheral hemodynamics in exercising humans: leg vs arm exercise. *Scandinavian Journal of Medicine and Science in Sports*, **2015**, 25 Suppl 4, 144-57	4.6	47
160	Free radicals and sprint exercise in humans. *Free Radical Research*, **2014**, 48, 30-42	4	47
159	Exercise economy does not change after acclimatization to moderate to very high altitude. *Scandinavian Journal of Medicine and Science in Sports*, **2007**, 17, 281-91	4.6	46
158	The ergogenic effect of recombinant human erythropoietin on VO2max depends on the severity of arterial hypoxemia. *PLoS ONE*, **2008**, 3, e2996	3.7	45
157	Effects of transcutaneous short-term electrical stimulation on M. vastus lateralis characteristics of healthy young men. *Pflugers Archiv European Journal of Physiology*, **2002**, 443, 866-74	4.6	45
156	Accuracy and Precision of the COSMED K5 Portable Analyser. *Frontiers in Physiology*, **2018**, 9, 1764	4.6	45
155	Low-intensity training increases peak arm VO2 by enhancing both convective and diffusive O2 delivery. *Acta Physiologica*, **2014**, 211, 122-34	5.6	44
154	Superior Intrinsic Mitochondrial Respiration in Women Than in Men. *Frontiers in Physiology*, **2018**, 9, 1133	4.6	44
153	Exercise-mediated modulation of autophagy in skeletal muscle. *Scandinavian Journal of Medicine and Science in Sports*, **2018**, 28, 772-781	4.6	43
152	Plasma volume expansion does not increase maximal cardiac output or VO2 max in lowlanders acclimatized to altitude. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 287, H1214-24	5.2	43
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150	Iliopsoas and gluteal muscles are asymmetric in tennis players but not in soccer players. *PLoS ONE*, **2011**, 6, e22858	3.7	41
149	Bone and lean mass inter-arm asymmetries in young male tennis players depend on training frequency. *European Journal of Applied Physiology*, **2010**, 110, 83-90	3.4	41
148	Cardiovascular responses to dynamic exercise with acute anemia in humans. *American Journal of Physiology - Heart and Circulatory Physiology*, **1997**, 273, H1787-93	5.2	41
147	The Physiological Mechanisms of Performance Enhancement with Sprint Interval Training Differ between the Upper and Lower Extremities in Humans. *Frontiers in Physiology*, **2016**, 7, 426	4.6	41
146	Leptin receptor 170 kDa (OB-R170) protein expression is reduced in obese human skeletal muscle: a potential mechanism of leptin resistance. *Experimental Physiology*, **2010**, 95, 160-71	2.4	40

145	AMPK signaling in skeletal muscle during exercise: Role of reactive oxygen and nitrogen species. *Free Radical Biology and Medicine*, **2016**, 98, 68-77	7.8	39
144	Mitochondrial function in human skeletal muscle following high-altitude exposure. *Experimental Physiology*, **2013**, 98, 245-55	2.4	39
143	Strength training combined with plyometric jumps in adults: sex differences in fat-bone axis adaptations. *Journal of Applied Physiology*, **2009**, 106, 1100-11	3.7	39
142	Artistic versus rhythmic gymnastics: effects on bone and muscle mass in young girls. *International Journal of Sports Medicine*, **2007**, 28, 386-93	3.6	39
141	Skeletal muscle mitochondrial DNA content in exercising humans. *Journal of Applied Physiology*, **2005**, 99, 1372-7	3.7	39
140	Skeletal muscle mitochondrial function and exercise capacity in HIV-infected patients with lipodystrophy and elevated p-lactate levels. *Aids*, **2002**, 16, 973-82	3.5	39
139	Endurance Exercise Enhances the Effect of Strength Training on Muscle Fiber Size and Protein Expression of Akt and mTOR. *PLoS ONE*, **2016**, 11, e0149082	3.7	39
138	Effects of strength training on muscle fatigue mapping from surface EMG and blood metabolites. *Medicine and Science in Sports and Exercise*, **2011**, 43, 303-11	1.2	38
137	Large asymmetric hypertrophy of rectus abdominis muscle in professional tennis players. *PLoS ONE* , **2010**, 5, e15858	3.7	38
136	High bone mineral density in male elite professional volleyball players. *Osteoporosis International*, **1999**, 10, 468-74	5.3	38
135	Cerebral blood flow, frontal lobe oxygenation and intra-arterial blood pressure during sprint exercise in normoxia and severe acute hypoxia in humans. *Journal of Cerebral Blood Flow and Metabolism*, **2018**, 38, 136-150	7.3	37
134	Serum free testosterone, leptin and soluble leptin receptor changes in a 6-week strength-training programme. *British Journal of Nutrition*, **2006**, 96, 1053-9	3.6	37
133	Critical role for free radicals on sprint exercise-induced CaMKII and AMPK phosphorylation in human skeletal muscle. *Journal of Applied Physiology*, **2013**, 114, 566-77	3.7	36
132	Oxidative DNA damage and repair in skeletal muscle of humans exposed to high-altitude hypoxia. *Toxicology*, **2003**, 192, 229-36	4.4	36
131	Oxygen tension and content in the regulation of limb blood flow. *Acta Physiologica Scandinavica*, **2000**, 168, 465-72		36
130	Gender dimorphism in skeletal muscle leptin receptors, serum leptin and insulin sensitivity. *PLoS ONE*, **2008**, 3, e3466	3.7	36
129	The lactate paradox revisited in lowlanders during acclimatization to 4100 m and in high-altitude natives. *Journal of Physiology*, **2009**, 587, 1117-29	3.9	32
128	Sustained sympathetic activity in altitude acclimatizing lowlanders and high-altitude natives. *Scandinavian Journal of Medicine and Science in Sports*, **2018**, 28, 854-861	4.6	31

127	Anaerobic energy expenditure and mechanical efficiency during exhaustive leg press exercise. *PLoS ONE*, **2010**, 5, e13486	3.7	31
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125	Determinants of VO(2) kinetics at high power outputs during a ramp exercise protocol. *Medicine and Science in Sports and Exercise*, **2002**, 34, 326-31	1.2	31
124	Bone mass in prepubertal tennis players. *International Journal of Sports Medicine*, **2010**, 31, 416-20	3.6	30
123	N-methylnicotinamide is a signalling molecule produced in skeletal muscle coordinating energy metabolism. *Scientific Reports*, **2018**, 8, 3016	4.9	29
122	Skeletal muscle IL-15/IL-15R□and myofibrillar protein synthesis after resistance exercise. *Scandinavian Journal of Medicine and Science in Sports*, **2018**, 28, 116-125	4.6	29
121	Mitochondrial coupling and capacity of oxidative phosphorylation in skeletal muscle of Inuit and Caucasians in the arctic winter. *Scandinavian Journal of Medicine and Science in Sports*, **2015**, 25 Suppl 4, 126-34	4.6	28
120	Influence of exercise intensity on skeletal muscle blood flow, O2 extraction and O2 uptake on-kinetics. *Journal of Physiology*, **2012**, 590, 4363-76	3.9	27
119	Interleukin-6 release is higher across arm than leg muscles during whole-body exercise. *Experimental Physiology*, **2011**, 96, 590-8	2.4	25
118	Similar carbohydrate but enhanced lactate utilization during exercise after 9 wk of acclimatization to 5,620 m. *American Journal of Physiology - Endocrinology and Metabolism*, **2002**, 283, E1203-13	6	25
117	Inter-arm asymmetry in bone mineral content and bone area in postmenopausal recreational tennis players. *Maturitas*, **2004**, 48, 289-98	5	25
116	Skeletal muscle signaling response to sprint exercise in men and women. *European Journal of Applied Physiology*, **2012**, 112, 1917-27	3.4	24
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114	Is sprint exercise a leptin signaling mimetic in human skeletal muscle?. *Journal of Applied Physiology* , **2011**, 111, 715-25	3.7	23
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112	Muscle mass and inspired oxygen influence oxygen extraction at maximal exercise: Role of mitochondrial oxygen affinity. *Acta Physiologica*, **2019**, 225, e13110	5.6	22
111	Exercise Preserves Lean Mass and Performance during Severe Energy Deficit: The Role of Exercise Volume and Dietary Protein Content. *Frontiers in Physiology*, **2017**, 8, 483	4.6	22
110	Muscle hypertrophy in prepubescent tennis players: a segmentation MRI study. *PLoS ONE*, **2012**, 7, e33637	3.7	22

109	Task Failure during Exercise to Exhaustion in Normoxia and Hypoxia Is Due to Reduced Muscle Activation Caused by Central Mechanisms While Muscle Metaboreflex Does Not Limit Performance. *Frontiers in Physiology*, **2015**, 6, 414	4.6	22
108	Maintained peak leg and pulmonary VO2 despite substantial reduction in muscle mitochondrial capacity. *Scandinavian Journal of Medicine and Science in Sports*, **2015**, 25 Suppl 4, 135-43	4.6	20
107	The exercising heart at altitude. *Cellular and Molecular Life Sciences*, **2009**, 66, 3601-13	10.3	20
106	Effects of training status on fibers of the musculus vastus lateralis in professional road cyclists. *American Journal of Physical Medicine and Rehabilitation*, **2002**, 81, 651-60	2.6	20
105	Bone mass, bone mineral density and muscle mass in professional golfers. *Journal of Sports Sciences* , **2002**, 20, 591-7	3.6	20
104	The hypertrophy of the lateral abdominal wall and quadratus lumborum is sport-specific: an MRI segmental study in professional tennis and soccer players. *Sports Biomechanics*, **2013**, 12, 54-67	2.2	19
103	Exercise training induces similar elevations in the activity of oxoglutarate dehydrogenase and peak oxygen uptake in the human quadriceps muscle. *Pflugers Archiv European Journal of Physiology*, **2011**, 462, 257-65	4.6	19
102	Central regulation of skeletal muscle recruitment explains the reduced maximal cardiac output during exercise in hypoxia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2004**, 287, R996-9; author reply R999-1002	3.2	19
101	Enhancement of Exercise Performance by 48 Hours, and 15-Day Supplementation with Mangiferin and Luteolin in Men. *Nutrients*, **2019**, 11,	6.7	18
100	An integrative approach to the regulation of mitochondrial respiration during exercise: Focus on high-intensity exercise. *Redox Biology*, **2020**, 35, 101478	11.3	18
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98	Impact of data averaging strategies on V O assessment: Mathematical modeling and reliability. *Scandinavian Journal of Medicine and Science in Sports*, **2019**, 29, 1473-1488	4.6	16
97	Muscle activation during exercise in severe acute hypoxia: role of absolute and relative intensity. *High Altitude Medicine and Biology*, **2014**, 15, 472-82	1.9	16
96	Leptin signaling in skeletal muscle after bed rest in healthy humans. *European Journal of Applied Physiology*, **2014**, 114, 345-57	3.4	16
95	Exercise-induced pyruvate dehydrogenase activation is not affected by 7 days of bed rest. *Journal of Applied Physiology*, **2011**, 111, 751-7	3.7	16
94	Insufficient ventilation as a cause of impaired pulmonary gas exchange during submaximal exercise. *Respiratory Physiology and Neurobiology*, **2007**, 157, 348-59	2.8	16
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92	Assessment of cardiac output with transpulmonary thermodilution during exercise in humans. *Journal of Applied Physiology*, **2015**, 118, 1-10	3.7	15

91	Contribution of oxygen extraction fraction to maximal oxygen uptake in healthy young men. *Acta Physiologica*, **2020**, 230, e13486	5.6	15
90	L. Leaf Extract in Combination With Luteolin or Quercetin Enhances VOpeak and Peak Power Output, and Preserves Skeletal Muscle Function During Ischemia-Reperfusion in Humans. *Frontiers in Physiology*, **2018**, 9, 740	4.6	15
89	Reliability of jumping performance in active men and women under different stretch loading conditions. *Journal of Sports Medicine and Physical Fitness*, **2000**, 40, 26-34	1.4	15
88	A time-efficient reduction of fat mass in 4 days with exercise and caloric restriction. *Scandinavian Journal of Medicine and Science in Sports*, **2015**, 25, 223-33	4.6	14
87	Is pulmonary gas exchange during exercise in hypoxia impaired with the increase of cardiac output?. *Applied Physiology, Nutrition and Metabolism*, **2008**, 33, 593-600	3	14
86	Salivary steroid changes and physical performance in highly trained cyclists. *International Journal of Sports Medicine*, **1993**, 14, 111-7	3.6	14
85	Regulation of Nrf2/Keap1 signalling in human skeletal muscle during exercise to exhaustion in normoxia, severe acute hypoxia and post-exercise ischaemia: Influence of metabolite accumulation and oxygenation. *Redox Biology*, **2020**, 36, 101627	11.3	13
84	Arterial to end-tidal Pco2 difference during exercise in normoxia and severe acute hypoxia: importance of blood temperature correction. *Physiological Reports*, **2015**, 3, e12512	2.6	13
83	Chronic hypoxia increases arterial blood pressure and reduces adenosine and ATP induced vasodilatation in skeletal muscle in healthy humans. *Acta Physiologica*, **2014**, 211, 574-84	5.6	13
82	Soccer attenuates the asymmetry of rectus abdominis muscle observed in non-athletes. *PLoS ONE*, **2011**, 6, e19022	3.7	13
81	Living at high altitude in combination with sea-level sprint training increases hematological parameters but does not improve performance in rats. *European Journal of Applied Physiology*, **2011** , 111, 1147-56	3.4	13
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77	The rate of fatigue accumulation as a sensed variable. *Journal of Physiology*, **2006**, 575, 688-9	3.9	13
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75	Severe energy deficit upregulates leptin receptors, leptin signaling, and PTP1B in human skeletal muscle. *Journal of Applied Physiology*, **2017**, 123, 1276-1287	3.7	11
74	Left ventricular atrioventricular plane displacement is preserved with lifelong endurance training and is the main determinant of maximal cardiac output. *Journal of Physiology*, **2015**, 593, 5157-66	3.9	11

73	Adiposity and age explain most of the association between physical activity and fitness in physically active men. *PLoS ONE*, **2010**, 5, e13435	3.7	11
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71	Influence of age on leptin induced skeletal muscle signalling. *Acta Physiologica*, **2014**, 211, 214-28	5.6	10
70	Rebuttal from Saltin and Calbet. *Journal of Applied Physiology*, **2006**, 100, 747-748	3.7	10
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68	Increased PIO2 at Exhaustion in Hypoxia Enhances Muscle Activation and Swiftly Relieves Fatigue: A Placebo or a PIO2 Dependent Effect?. *Frontiers in Physiology*, **2016**, 7, 333	4.6	10
67	Exercise Mitigates the Loss of Muscle Mass by Attenuating the Activation of Autophagy during Severe Energy Deficit. *Nutrients*, **2019**, 11,	6.7	10
66	Mitochondrial Complex I Inhibition by Metformin: Drug-Exercise Interactions. *Trends in Endocrinology and Metabolism*, **2020**, 31, 269-271	8.8	9
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63	The effects of breathing a helium-oxygen gas mixture on maximal pulmonary ventilation and maximal oxygen consumption during exercise in acute moderate hypobaric hypoxia. *European Journal of Applied Physiology*, **2010**, 110, 853-61	3.4	9
62	Effects of eccentric exercise on cycling efficiency. *Applied Physiology, Nutrition, and Metabolism*, **2005**, 30, 259-75		9
61	Commentaries on Viewpoint: Rejuvenation of the term sarcopenia. *Journal of Applied Physiology*, **2019**, 126, 257-262	3.7	9
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