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## Limiting factors for maximum oxygen uptake and determinants of endurance performance

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828	The thyroid hormone receptor $\beta$ -selective agonist GC-1 does not affect tolerance to exercise in hypothyroid rats. <b>2015</b> , 59, 141-7		7
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826	Test-retest reliability of lower limb isokinetic endurance in COPD: A comparison of angular velocities. <b>2015</b> , 10, 1163-72		11
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815	Exercise Physiology. <b>2015</b> , 77-116	
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812	Exercise in muscle glycogen storage diseases. <b>2015</b> , 38, 551-63	20
811	Metabolic Effects of Exercise Training Among Fitness-Nonresponsive Patients With Type 2 Diabetes: The HART-D Study. <b>2015</b> , 38, 1494-501	49
810	New Zealand blackcurrant extract improves cycling performance and fat oxidation in cyclists. <b>2015</b> , 115, 2357-65	63
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803	Physiological responses to incremental exercise in the heat following internal and external precooling. <b>2015</b> , 25 Suppl 1, 190-9	25
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784	High-Intensity Intermittent Training Positively Affects Aerobic and Anaerobic Performance in Judo Athletes Independently of Exercise Mode. <b>2016</b> , 7, 268	34

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779	Muscle Characteristics and Substrate Energetics in Lifelong Endurance Athletes. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 472-80	1.2	19
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758	Dietary nitrate supplementation attenuates the reduction in exercise tolerance following blood donation. <b>2016</b> , 311, H1520-H1529	9
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750	Regular endurance training in adolescents impacts atrial and ventricular size and function. <b>2017</b> , 18, 681-687	11
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742	Sprint interval and moderate-intensity continuous training have equal benefits on aerobic capacity, insulin sensitivity, muscle capillarisation and endothelial eNOS/NAD(P)H oxidase protein ratio in obese men. <b>2016</b> , 594, 2307-21	70
741	V O <sub>2</sub> and HR kinetics before and after International Space Station missions. <b>2016</b> , 116, 503-11	8
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739	Short-term program of aerobic training prescribed using critical velocity is effective to improve metabolic profile in postmenopausal women. <b>2016</b> , 31, 95-102	6
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736	Top 10 Research Questions Related to Physical Literacy. <b>2016</b> , 87, 28-35	54
735	No reserve in isokinetic cycling power at intolerance during ramp incremental exercise in endurance-trained men. <b>2016</b> , 120, 70-7	13
734	'Blood doping' from Armstrong to prehabilitation: manipulation of blood to improve performance in athletes and physiological reserve in patients. <b>2016</b> , 5, 5	11
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721	A conceptual framework for predicting and addressing the consequences of disease-related microvascular dysfunction. <b>2017</b> , 24, e12359	14
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719	Analysis of heart rate and oxygen uptake kinetics studied by two different pseudo-random binary sequence work rate amplitudes. <b>2017</b> , 240, 70-80	7
718	Peak velocity and its time limit are as good as the velocity associated with VO <sub>2</sub> for training prescription in runners. <b>2017</b> , 1, E8-E15	14
717	How Biomechanical Improvements in Running Economy Could Break the 2-hour Marathon Barrier. <b>2017</b> , 47, 1739-1750	56
716	Benefits of skeletal-muscle exercise training in pulmonary arterial hypertension: The WHOLEi+12 trial. <b>2017</b> , 231, 277-283	50
715	MEDEX2015: Greater Sea-Level Fitness Is Associated with Lower Sense of Effort During Himalayan Trekking Without Worse Acute Mountain Sickness. <b>2017</b> , 18, 152-162	4
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713	Acute Effects of Plyometric and Resistance Training on Running Economy in Trained Runners. <b>2017</b> , 31, 2432-2437	3
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709	Improvement in exercise duration, lung function and well-being in G551D-cystic fibrosis patients: a double-blind, placebo-controlled, randomized, cross-over study with ivacaftor treatment. <b>2017</b> , 131, 2037-2045	30
708	Polygenic study of endurance-associated genetic markers ACE I/D, ACTN3 Arg(R)577Ter(X), CKMM A/G Ncol and eNOS Glu(G)298Asp(T) in male Gorkha soldiers. <b>2017</b> , 3, 17	2
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705	Validity and reliability of the Moxy oxygen monitor during incremental cycling exercise. <b>2017</b> , 17, 1037-1043	63
704	High Intensity Interval Training for Maximizing Health Outcomes. <b>2017</b> , 60, 67-77	111
703	Research into the Health Benefits of Sprint Interval Training Should Focus on Protocols with Fewer and Shorter Sprints. <b>2017</b> , 47, 2443-2451	53
702	Physical Activity, Aging, and Physiological Function. <b>2017</b> , 32, 152-161	74
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700	Age differences in physiological responses to self-paced and incremental [Formula: see text] testing. <b>2017</b> , 117, 159-170	11
699	Effects of Overground Locomotor Training on Walking Performance in Chronic Cervical Motor Incomplete Spinal Cord Injury: A Pilot Study. <b>2017</b> , 98, 1119-1125	9
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696	Optimal pacing and carbohydrate intake strategies for ultramarathons. <b>2017</b> , 117, 2527-2545	1
695	Lessons from Popper for science, paradigm shifts, scientific revolutions and exercise physiology. <b>2017</b> , 3, e000226	9
694	Maternal low intensity physical exercise prevents obesity in offspring rats exposed to early overnutrition. <b>2017</b> , 7, 7634	14

693	Diet-induced obesity accelerates blood lactate accumulation of rats in response to incremental exercise to maximum. <b>2017</b> , 313, R601-R607		9
692	Exercise-Induced Changes in Glucose Metabolism Promote Physiological Cardiac Growth. <b>2017</b> , 136, 2144-2157		63
691	The link between exercise and titin passive stiffness. <b>2017</b> , 102, 1055-1066		6
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689	Pathophysiology of exercise intolerance in chronic diseases: the role of diminished cardiac performance in mitochondrial and heart failure patients. <b>2017</b> , 4, e000632		13
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686	Vigorous intensity aerobic interval exercise in bladder cancer patients prior to radical cystectomy: a feasibility randomised controlled trial. <b>2018</b> , 26, 1515-1523		24
685	Respostas cardiopulmonares agudas ao exercício com kettlebell. <b>2017</b> , 39, 408-416		1
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680	Windsurfing: The Physiology of Athletic Performance and Training. <b>2017</b> , 357-363		1
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675	Predicting Elite Triathlon Performance: A Comparison of Multiple Regressions and Artificial Neural Networks. <b>2017</b> , 16, 101-116	1
674	Functional and biochemical adaptations of elite level futsal players from Brazil along a training season. <b>2017</b> , 53, 285-293	4
673	A Reduction in Maximal Incremental Exercise Test Duration 48 h Post Downhill Run Is Associated with Muscle Damage Derived Exercise Induced Pain. <b>2017</b> , 8, 135	5
672	Functional High-Intensity Circuit Training Improves Body Composition, Peak Oxygen Uptake, Strength, and Alters Certain Dimensions of Quality of Life in Overweight Women. <b>2017</b> , 8, 172	31
671	Upper-Body Muscular Endurance Training Improves Performance Following 50 min of Double Poling in Well-Trained Cross-Country Skiers. <b>2017</b> , 8, 690	8
670	Are We Reaching the Limits of ?. <b>2017</b> , 8, 812	32
669	The Metabolic Response of Skeletal Muscle to Endurance Exercise Is Modified by the ACE-I/D Gene Polymorphism and Training State. <b>2017</b> , 8, 993	13
668	Improved Exercise-Related Skeletal Muscle Oxygen Consumption Following Uptake of Endurance Training Measured Using Near-Infrared Spectroscopy. <b>2017</b> , 8, 1018	16
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666	An Acute Dose of Specific Grape and Apple Polyphenols Improves Endurance Performance: A Randomized, Crossover, Double-Blind versus Placebo Controlled Study. <b>2017</b> , 9,	14
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664	Accuracy of a Modified Lactate Minimum Test and Reverse Lactate Threshold Test to Determine Maximal Lactate Steady State. <b>2017</b> , 31, 3489-3496	12
663	Intracellular oxygen tension limits muscle contraction-induced change in muscle oxygen consumption under hypoxic conditions during Hb-free perfusion. <b>2017</b> , 5, e13112	3
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660	Smooth Muscle Cell-Mineralocorticoid Receptor as a Mediator of Cardiovascular Stiffness With Aging. <b>2018</b> , 71, 609-621	42
659	Mesocycles with Different Training Intensity Distribution in Recreational Runners. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 1641-1648	1.2 16
658	Properties of the vastus lateralis muscle in relation to age and physiological function in master cyclists aged 55-79 years. <b>2018</b> , 17, e12735	33



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656	Knowledge about sport and exercise science. <b>2018</b> , 118, 250-261	4
655	Skeletal muscle fiber-type-specific changes in markers of capillary and mitochondrial content after low-volume interval training in overweight women. <b>2018</b> , 6, e13597	19
654	Comparison of running and cycling economy in runners, cyclists, and triathletes. <b>2018</b> , 118, 1331-1338	6
653	Effects of montmorency tart cherry (L. Prunus Cerasus) consumption on nitric oxide biomarkers and exercise performance. <b>2018</b> , 28, 1746-1756	27
652	Reduced cardiovascular fitness associated with exposure to clozapine in individuals with chronic schizophrenia. <b>2018</b> , 262, 28-33	6
651	Cardiorespiratory fitness not sedentary time or physical activity is associated with cardiometabolic risk in active older adults. <b>2018</b> , 28, 1653-1660	17
650	The categorization of amateur cyclists as research participants: findings from an observational study. <b>2018</b> , 36, 2018-2024	14
649	Effects of Strength Training on the Physiological Determinants of Middle- and Long-Distance Running Performance: A Systematic Review. <b>2018</b> , 48, 1117-1149	64
648	Comparison of Long and Short High-Intensity Interval Exercise Bouts on Running Performance, Physiological and Perceptual Responses. <b>2018</b> , 2, E20-E27	10
647	Isocapnic buffering phase: a useful indicator of exercise endurance in patients with coronary artery disease. <b>2018</b> , 46, 228-232	4
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643	Wave intensity as a useful modality for assessing ventilation-perfusion imbalance in subclinical patients with hypertension. <b>2018</b> , 33, 931-938	2
642	The effects of priming exercise on the V O slow component and the time-course of muscle fatigue during very-heavy-intensity exercise in humans. <b>2018</b> , 43, 909-919	6
641	Comparison of human erythrocyte purine nucleotide metabolism and blood purine and pyrimidine degradation product concentrations before and after acute exercise in trained and sedentary subjects. <b>2018</b> , 68, 293-305	10
640	Is There an Optimal Speed for Economical Running?. <b>2018</b> , 13, 75-81	13

639	Elite status maintained: a 12-year physiological and performance follow-up of two Olympic champion rowers. <b>2018</b> , 36, 660-665	7
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635	Systemic SMAD7 Gene Therapy Increases Striated Muscle Mass and Enhances Exercise Capacity in a Dose-Dependent Manner. <b>2018</b> , 29, 390-399	3
634	Oxygen uptake kinetics following six weeks of interval and continuous endurance exercise training - An explorative pilot study. <b>2018</b> , 247, 156-166	4
633	Caffeine and Physiological Responses to Submaximal Exercise: A Meta-Analysis. <b>2018</b> , 13, 402-411	31
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631	Effect of tapering after a period of high-volume sprint interval training on running performance and muscular adaptations in moderately trained runners. <b>2018</b> , 124, 259-267	7
630	Effect of Jump Interval Training on Kinematics of the Lower Limbs and Running Economy. <b>2018</b> , 32, 416-422	4
629	Effects of normobaric hypoxia on upper body critical power and anaerobic working capacity. <b>2018</b> , 249, 1-6	6
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627	Effects of erythropoietin abuse on exercise performance. <b>2018</b> , 46, 105-115	10
626	Rest and exercise hemodynamic and metabolic findings in active duty soldiers referred for cardiac catheterization to exclude heart disease: Insights from past invasive cardiopulmonary exercise testing using multisensor high fidelity catheters. <b>2018</b> , 91, 35-46	2
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624	A minimal power model for human running performance. <b>2018</b> , 13, e0206645	3
623	Mechanical Determinants of the U-Shaped Speed-Energy Cost of Running Relationship. <b>2018</b> , 9, 1790	4
622	Peak oxygen uptake (VO <sub>2</sub> peak) across childhood, adolescence and young adulthood in Barth syndrome: Data from cross-sectional and longitudinal studies. <b>2018</b> , 13, e0197776	11

621	Gradual reduction in exercise capacity in chronic kidney disease is associated with systemic oxygen delivery factors. <b>2018</b> , 13, e0209325	7
620	The Effect of Mental Fatigue on Cognitive and Aerobic Performance in Adolescent Active Endurance Athletes: Insights from a Randomized Counterbalanced, Cross-Over Trial. <b>2018</b> , 7,	19
619	Effects of Vitamin D Supplementation on Haematological Values and Muscle Recovery in Elite Male Traditional Rowers. <b>2018</b> , 10,	20
618	COMPARISON OF AEROBIC POWER AND CAPACITY BETWEEN ATHLETES FROM DIFFERENT SPORTS. <b>2018</b> , 24, 432-435	1
617	Sex-Related Differences in the Maximal Lactate Steady State. <b>2018</b> , 6,	7
616	Metabolomic Response to Acute Hypoxic Exercise and Recovery in Adult Males. <b>2018</b> , 9, 1682	11
615	The influence of physiobiomechanical parameters, technical aspects of shooting, and psychophysiological factors on biathlon performance: A review. <b>2018</b> , 7, 394-404	25
614	RESPUESTAS CARDIORRESPIRATORIAS A INTENSIDAD UMBRAL. ESTUDIO COMPARATIVO ENTRE MEDIA SENTADILLA Y CICLOERGOMETRO // CARDIORRESPIRATORY RESPONSES AT THRESHOLD INTENSITY. COMPARATIVE BETWEEN HALF SQUAT VS CYCLE ERGOMETER. <b>2018</b> , 18, 507-520	1
613	The Effect of Body Mass Index on Acute Cardiometabolic Responses to Graded Exercise Testing in Children: A Narrative Review. <b>2018</b> , 6,	8
612	Effects of Plyometric Training on Explosive and Endurance Performance at Sea Level and at High Altitude. <b>2018</b> , 9, 1415	9
611	Whole-Body Electromyostimulation Improves Performance-Related Parameters in Runners. <b>2018</b> , 9, 1576	18
610	Weight loss but not gains in cardiorespiratory fitness after exercise-training predicts improved health risk factors in metabolic syndrome. <b>2018</b> , 28, 1267-1274	14
609	Deciphering : limits of the genetic approach. <b>2018</b> , 221,	6
608	The Influence of Oxygen Saturation on the Relationship Between Hemoglobin Mass and VO max. <b>2018</b> , 2, E98-E104	6
607	Peak V'O is an independent predictor of survival in patients with cardiac amyloidosis. <b>2018</b> , 25, 167-173	6
606	Superior Intrinsic Mitochondrial Respiration in Women Than in Men. <b>2018</b> , 9, 1133	44
605	An equation to predict the maximal lactate steady state from ramp-incremental exercise test data in cycling. <b>2018</b> , 21, 1274-1280	20
604	Effect of high-intensity resistance circuit-based training in hypoxia on aerobic performance and repeat sprint ability. <b>2018</b> , 28, 2135-2143	22

603	Substrate Metabolism During Ironman Triathlon: Different Horses on the Same Courses. <b>2018</b> , 48, 2219-2226	22
602	Stride-to-stride variability and complexity between novice and experienced runners during a prolonged run at anaerobic threshold speed. <b>2018</b> , 64, 7-11	15
601	Breathing valve resistance alters physiological responses during a graded exercise test. <b>2018</b> , 118, 1921-1929	3
600	High-performance and elite sports. <b>2018</b> , 225-241	1
599	Training-induced annual changes in red blood cell profile in highly-trained endurance and speed-power athletes. <b>2018</b> , 58, 1859-1866	6
598	Hip muscular strength balance is associated with running economy in recreationally-trained endurance runners. <b>2018</b> , 6, e5219	5
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596	Peak Velocity as an Alternative Method for Training Prescription in Mice. <b>2018</b> , 9, 42	4
595	Dynamic Regulation of Circulating microRNAs During Acute Exercise and Long-Term Exercise Training in Basketball Athletes. <b>2018</b> , 9, 282	24
594	Active Recovery After High-Intensity Interval-Training Does Not Attenuate Training Adaptation. <b>2018</b> , 9, 415	8
593	Unchanged Erythrocyte Profile After Exposure to Cryogenic Temperatures in Elder Marathon Runners. <b>2018</b> , 9, 659	3
592	Physiological and Physical Profile of Snowboarding: A Preliminary Review. <b>2018</b> , 9, 770	5
591	Computational and Complex Network Modeling for Analysis of Sprinter Athletes' Performance in Track Field Tests. <b>2018</b> , 9, 843	7
590	Exercise Intensity During Cross-Country Skiing Described by Oxygen Demands in Flat and Uphill Terrain. <b>2018</b> , 9, 846	27
589	Muscle Free Fatty-Acid Uptake Associates to Mechanical Efficiency During Exercise in Humans. <b>2018</b> , 9, 1171	2
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587	A 4-Week Intervention Involving Mobile-Based Daily 6-Minute Micro-Sessions of Functional High-Intensity Circuit Training Improves Strength and Quality of Life, but Not Cardio-Respiratory Fitness of Young Untrained Adults. <b>2018</b> , 9, 423	11
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584	Peak oxygen uptake, ventilatory threshold, and arterial stiffness in adolescents. <b>2018</b> , 118, 2367-2376	8
583	Lack of cyclin D3 induces skeletal muscle fiber-type shifting, increased endurance performance and hypermetabolism. <b>2018</b> , 8, 12792	1
582	Mental fatigue does not alter performance or neuromuscular fatigue development during self-paced exercise in recreationally trained cyclists. <b>2018</b> , 118, 2477-2487	27
581	Force properties of skinned cardiac muscle following increasing volumes of aerobic exercise in rats. <b>2018</b> , 125, 495-503	9
580	Cross-sectional and longitudinal analyses of the association between lung function and exercise capacity in healthy Norwegian men. <b>2018</b> , 18, 118	4
579	Similarities and differences among half-marathon runners according to their performance level. <b>2018</b> , 13, e0191688	13
578	Relationship between Classic Physiological Variables and Running Performance in Recreational Runners. <b>2018</b> , 16, 33-40	0
577	Fundamentals of Endurance Training. <b>2018</b> , 81-109	2
576	Medium term effects of physical conditioning on breath-hold diving performance. <b>2019</b> , 259, 70-74	2
575	Polarized vs. Threshold Training Intensity Distribution on Endurance Sport Performance: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <b>2019</b> , 33, 3491-3500	11
574	Characterising skeletal muscle haemoglobin saturation during exercise using near-infrared spectroscopy in chronic kidney disease. <b>2019</b> , 23, 32-42	6
573	Reliability and Validity of a Maximal Treadmill Test for Predicting Aerobic Fitness in Norwegian Prospective Soldiers. <b>2019</b> , 184, e245-e252	5
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571	Benfotiamine supplementation prevents oxidative stress in anterior tibialis muscle and heart. <b>2019</b> , 17, 423-429	3
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568	Seasonal changes in gross efficiency and aerobic capacity in well-trained road cyclists. <b>2019</b> , 27, 193-202	1

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566	Peak aerobic capacity from incremental shuttle walk test in chronic kidney disease. <b>2019</b> , 45, 185-192		2
565	Inspiratory muscle training effects on oxygen saturation and performance in hypoxemic rowers: Effect of sex. <b>2019</b> , 37, 2513-2521		2
564	Effect of Endurance Training on Hemoglobin Mass and $\dot{V}O_2$ max in Male Adolescent Athletes. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 912-919	1.2	15
563	Assessing the ability of the Fitbit Charge 2 to accurately predict $\dot{V}O_2$ . <b>2019</b> , 5, 39		5
562	Cardiorespiratory factors related to the increase in oxygen consumption during exercise in individuals with stroke. <b>2019</b> , 14, e0217453		5
561	Prolonged Heat Acclimation and Aerobic Performance in Endurance Trained Athletes. <b>2019</b> , 10, 1372		11
560	Socio-Ecological Model of Correlates of Double Burden of Malnutrition in Developing Countries: A Narrative Review. <b>2019</b> , 16,		13
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553	Genetic profile of elite endurance athletes. <b>2019</b> , 73-104		4
552	Life Ascending: Mechanism and Process in Physiological Adaptation to High-Altitude Hypoxia. <b>2019</b> , 50, 503-526		37
551	Mitochondrial PE potentiates respiratory enzymes to amplify skeletal muscle aerobic capacity. <b>2019</b> , 5, eaax8352		35
550	Failing Homeostasis of Quadriceps Muscle Energy- and pH Balance During Bicycling in a Young Patient With a Fontan Circulation. <b>2019</b> , 6, 121		0

549	The time course of adaptations in thermoneutral maximal oxygen consumption following heat acclimation. <b>2019</b> , 119, 2391-2399	10
548	Low skeletal muscle capillarization limits muscle adaptation to resistance exercise training in older adults. <b>2019</b> , 127, 110723	24
547	No ergogenic effects of a 10-day combined heat and hypoxic acclimation on aerobic performance in normoxic thermoneutral or hot conditions. <b>2019</b> , 119, 2513-2527	6
546	Training Load, Aerobic Capacity and Their Relationship With Wellness Status in Recreational Trail Runners. <b>2019</b> , 10, 1189	12
545	The Validity of Functional Threshold Power and Maximal Oxygen Uptake for Cycling Performance in Moderately Trained Cyclists. <b>2019</b> , 7,	7
544	The effects of sodium bicarbonate ingestion on cycling performance and acid base balance recovery in acute normobaric hypoxia. <b>2019</b> , 37, 1464-1471	9
543	The association between dynamic lung volume and peak oxygen uptake in a healthy general population: the HUNT study. <b>2019</b> , 19, 2	5
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541	Quantification of aerobic determinants of performance in post-pubertal adolescent middle-distance runners. <b>2019</b> , 119, 1865-1874	2
540	Home-hit improves muscle capillarisation and eNOS/NAD(P)H oxidase protein ratio in obese individuals with elevated cardiovascular disease risk. <b>2019</b> , 597, 4203-4225	23
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538	High-intensity exercise training enhances mitochondrial oxidative phosphorylation efficiency in a temperature-dependent manner in human skeletal muscle: implications for exercise performance. <b>2019</b> , 33, 8976-8989	21
537	Effect of fitness on cardiac structure and function in overweight and obesity (the FATCOR study). <b>2019</b> , 29, 710-717	5
536	The hypertension advantage and natural selection: Since type 2 diabetes associates with co-morbidities and premature death, why have the genetic variants remained in the human genome?. <b>2019</b> , 129, 109237	2
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534	Physical Activity Intolerance and Cardiorespiratory Dysfunction in Patients with Moderate-to-Severe Traumatic Brain Injury. <b>2019</b> , 49, 1183-1198	9
533	Pulmonary oxygen uptake on-kinetics can predict acute physiological responses to resistance exercise training in healthy young men. <b>2019</b> , 39, 339-344	3
532	Cardiomyocyte PKA Ablation Enhances Basal Contractility While Eliminates Cardiac $\beta$ Adrenergic Response Without Adverse Effects on the Heart. <b>2019</b> , 124, 1760-1777	21

531	The relation between central variables, electromyography signals and peripheral microcirculation during intensive treadmill exercise. <b>2019</b> , 67, 52-60	3
530	Physiological comparison of hemorrhagic shock and Omax: A conceptual framework for defining the limitation of oxygen delivery. <b>2019</b> , 244, 690-701	5
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527	Experimental evolution of aerobic exercise performance and hematological traits in bank voles. <b>2019</b> , 234, 1-9	2
526	The effects of Pilates vs. aerobic training on cardiorespiratory fitness, isokinetic muscular strength, body composition, and functional tasks outcomes for individuals who are overweight/obese: a clinical trial. <b>2019</b> , 7, e6022	15
525	Can Sprint Interval Training (SIT) Improve the Psychological and Physiological Health of Adolescents with SMI?. <b>2019</b> , 4, 219-234	0
524	Genes Whose Gain or Loss-of-Function Increases Endurance Performance in Mice: A Systematic Literature Review. <b>2019</b> , 10, 262	11
523	Exercise Metabolism in Health and Disease. <b>2019</b> , 57-96	4
522	The 20-m Shuttle Run: Assessment and Interpretation of Data in Relation to Youth Aerobic Fitness and Health. <b>2019</b> , 31, 152-163	35
521	The relationships between age and running performance variables in master runners. <b>2019</b> , 15, 543-550	1
520	Considerations When Assessing Endurance in Combat Sport Athletes. <b>2019</b> , 10, 205	8
519	Double-Poling Physiology and Kinematics of Elite Cross-Country Skiers: Specialized Long-Distance Versus All-Round Skiers. <b>2019</b> , 1190-1199	12
518	Physiological comparison between non-athletes, endurance, power and team athletes. <b>2019</b> , 119, 1377-1386	18
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516	Changes in VO Kinetics After Elevated Baseline Do Not Necessarily Reflect Alterations in Muscle Force Production in Both Sexes. <b>2019</b> , 10, 471	1
515	Record-Breaking Performance in a 70-Year-Old Marathoner. <b>2019</b> , 380, 1485-1486	6
514	Mitochondria-associated lactate dehydrogenase is not a biologically significant contributor to bioenergetic function in murine striated muscle. <b>2019</b> , 24, 101177	6



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512	A prospective clinical investigation of the effects of anti-TNF alpha therapy on exercise capacity in patients with ankylosing spondylitis. <b>2019</b> , 49, 27-32		2
511	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. <b>2019</b> , 119, 1043-1053		3
510	A Physiologically Based Approach to Prescribing Exercise Following a Sport-Related Concussion. <b>2019</b> , 49, 683-706		8
509	Comparison of Conventional and Individualized 1-MET Values for Expressing Maximum Aerobic Metabolic Rate and Habitual Activity Related Energy Expenditure. <b>2019</b> , 11,		9
508	Effects of Flywheel Strength Training on the Running Economy of Recreational Endurance Runners. <b>2019</b> , 33, 684-690		4
507	Sustainable Sport: Cardio-Differentiated Planning of Fitness Programs for High School Boys Engaged in Speed Skiing. <b>2019</b> , 11, 6077		1
506	Comparison of Physiological and Perceptual Responses to Upper-, Lower-, and Whole-Body Exercise in Elite Cross-Country Skiers. <b>2019</b> , 33, 1086-1094		4
505	Protein Supplementation Does Not Augment Adaptations to Endurance Exercise Training. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 2041-2049	1.2	9
504	Development in Adolescent Middle-Distance Athletes: A Study of Training Loadings, Physical Qualities, and Competition Performance. <b>2021</b> , 35, S103-S110		1
503	Identification of Potential Performance-Related Predictors in Young Competitive Athletes. <b>2019</b> , 10, 1394		2
502	Relationship Between Running Economy and Kinematic Parameters in Long-Distance Runners. <b>2019</b> , 33, 1921-1928		7
501	Quadriceps Endurance Increases Following Cycling Exercise With Non-Invasive Ventilation In Moderate-To-Severe COPD Patients. A Non-Randomized Controlled Study. <b>2019</b> , 14, 2461-2468		1
500	Low skeletal muscle mass is associated with low aerobic capacity and increased mortality risk in patients with coronary heart disease - a CARE CR study. <b>2019</b> , 39, 93-102		20
499	Active Recovery Induces Greater Endurance Adaptations When Performing Sprint Interval Training. <b>2019</b> , 33, 922-930		3
498	Does critical velocity represent the maximal lactate steady state in youth swimmers?. <b>2019</b> , 34, e209-e215		3
497	Exploring the underlying biology of intrinsic cardiorespiratory fitness through integrative analysis of genomic variants and muscle gene expression profiling. <b>2019</b> , 126, 1292-1314		11
496	Differences in lower-limb coordination and coordination variability between novice and experienced runners during a prolonged treadmill run at anaerobic threshold speed. <b>2019</b> , 37, 1021-1028		9

495	Aerobic Fitness Level Moderates the Association Between Cannabis Use and Executive Functioning and Psychomotor Speed Following Abstinence in Adolescents and Young Adults. <b>2019</b> , 25, 134-145	14
494	Plasma asymmetric dimethylarginine concentrations are not related to differences in maximal oxygen uptake in endurance trained and untrained men. <b>2019</b> , 104, 254-263	4
493	Metabolic adaptations to endurance training and nutrition strategies influencing performance. <b>2019</b> , 27, 134-146	7
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487	Increasing Iron Status through Dietary Supplementation in Iron-Depleted, Sedentary Women Increases Endurance Performance at Both Near-Maximal and Submaximal Exercise Intensities. <b>2019</b> , 149, 231-239	7
486	Contrasting response of haematological variables between long-term training and short exercise bouts in zebra finches (). <b>2019</b> , 222,	3
485	Maximal Sprint Speed and the Anaerobic Speed Reserve Domain: The Untapped Tools that Differentiate the World's Best Male 800 m Runners. <b>2019</b> , 49, 843-852	16
484	Training intensity relative to ventilatory thresholds determines cardiorespiratory fitness improvements in sedentary adults with obesity. <b>2019</b> , 19, 549-556	4
483	Iron deficiency and aerobic endurance performance in a female club runner. <b>2019</b> , 34, 45-51	1
482	The combined effect of sprint interval training and postexercise blood flow restriction on critical power, capillary growth, and mitochondrial proteins in trained cyclists. <b>2019</b> , 126, 51-59	18
481	Acute Cardiopulmonary, Metabolic, and Neuromuscular Responses to Severe-Intensity Intermittent Exercises. <b>2019</b> , 33, 408-416	4
480	Exercise Capacity in Patients with the Total Artificial Heart. <b>2019</b> , 65, 36-42	2
479	Comparison of Linear and Reverse Linear Periodized Programs With Equated Volume and Intensity for Endurance Running Performance. <b>2020</b> , 34, 1345-1353	4
478	Physiological Responses of a Jaw-Repositioning Custom-Made Mouthguard on Airway and Their Effects on Athletic Performance. <b>2020</b> , 34, 422-429	12

477	Continuous Moderate-Intensity but Not High-Intensity Interval Training Improves Immune Function Biomarkers in Healthy Young Men. <b>2020</b> , 34, 249-256	12
476	Updating the Skating Multistage Aerobic Test and Correction for V[Combining Dot Above]O <sub>2</sub> max Prediction Using a New Skating Economy Index in Elite Youth Ice Hockey Players. <b>2020</b> , 34, 3182-3189	2
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473	Similar maximal oxygen uptake assessment from a step cycling incremental test and verification tests on the same or different day. <b>2020</b> , 45, 357-361	7
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471	Exercise-induced attenuation of treatment side-effects in patients with newly diagnosed prostate cancer beginning androgen-deprivation therapy: a randomised controlled trial. <b>2020</b> , 125, 28-37	20
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465	Micro-dystrophin Gene Therapy Partially Enhances Exercise Capacity in Older Adult Mice. <b>2020</b> , 17, 122-132	6
464	Effects of Pyrroloquinoline Quinone (PQQ) Supplementation on Aerobic Exercise Performance and Indices of Mitochondrial Biogenesis in Untrained Men. <b>2020</b> , 39, 547-556	10
463	A Single 60.000 IU Dose of Erythropoietin Does Not Improve Short-Term Aerobic Exercise Performance in Healthy Subjects: A Randomized, Double-Blind, Placebo-Controlled Crossover Trial. <b>2020</b> , 11, 537389	3
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460	Human running performance from real-world big data. <b>2020</b> , 11, 4936	11

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454	Response to Three Weeks of Sprint Interval Training Cannot Be Explained by the Exertional Level. <b>2020</b> , 56,	1
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451	Chronic cannabis consumption and physical exercise performance in healthy adults: a systematic review. <b>2020</b> , 2, 34	2
450	Blunted cardiac output response to exercise in adolescents born preterm. <b>2020</b> , 120, 2547-2554	6
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448	Associations of cardiorespiratory fitness, adiposity, and arterial stiffness with cognition in youth. <b>2020</b> , 8, e14586	2
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446	Cardiorespiratory Fitness and Diet Quality Profile of the Lithuanian Team of Deaf Women's Basketball Players. <b>2020</b> , 17,	5
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444	Spirulina supplementation improves oxygen uptake in arm cycling exercise. <b>2020</b> , 120, 2657-2664	5
443	Cardiovascular Functional Changes in Chronic Kidney Disease: Integrative Physiology, Pathophysiology and Applications of Cardiopulmonary Exercise Testing. <b>2020</b> , 11, 572355	3
442	Effect of high-intensity interval training on cardiorespiratory fitness, physical activity and body composition in people with schizophrenia: a randomized controlled trial. <b>2020</b> , 20, 425	3

441	Walking endurance, muscle oxygen extraction, and perceived fatigability after overground locomotor training in incomplete spinal cord injury: A pilot study. <b>2020</b> , 1-9	0
440	Non-invasively measured central and peripheral factors of oxygen uptake differ between patients with chronic heart failure and healthy controls. <b>2020</b> , 20, 378	0
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437	Estimating energy expenditure of head-hauling water and grain grinding from heart rate monitor measurements in northern Mozambique. <b>2020</b> , 23, 2886-2897	
436	Effects of Arginine Supplementation on Athletic Performance Based on Energy Metabolism: A Systematic Review and Meta-Analysis. <b>2020</b> , 12,	17
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434	Oxygen supply capacity in animals evolves to meet maximum demand at the current oxygen partial pressure regardless of size or temperature. <b>2020</b> , 223,	27
433	The effects of hypoxia on muscle deoxygenation and recruitment in the flexor digitorum superficialis during submaximal intermittent handgrip exercise. <b>2020</b> , 12, 16	1
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431	High-intensity interval training improves cardiorespiratory fitness in cancer patients and survivors: A meta-analysis. <b>2020</b> , 29, e13267	10
430	Nutrition-Related Adverse Outcomes in Endurance Sports Competitions: A Review of Incidence and Practical Recommendations. <b>2020</b> , 17,	6
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339	Effects of Plyometric Training on Soft and Hard Surfaces for Improving Running Economy. <b>2021</b> , 79, 187-196	1
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