

Juan M Murias

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

2,671
citations

31
h-index

44
g-index

155
ext. papers

3,220
ext. citations

3
avg, IF

5.7
L-index

#	Paper	IF	Citations
138	The effects of exercise intensity and duration on the relationship between the slow component of V O and peripheral fatigue.. <i>Acta Physiologica</i> , 2022 , e13776	5.6	
137	Validity of the Training-Load Concept.. <i>International Journal of Sports Physiology and Performance</i> , 2022 , 1-8	3.5	6
136	Transient speeding of V O kinetics following acute sessions of sprint interval training: Similar exercise dose but different outcomes in older and young adults.. <i>Experimental Gerontology</i> , 2022 , 111826	4.5	0
135	Dynamic Changes of Performance Fatigability and Muscular O ₂ Saturation in a 4-km Cycling Time Trial. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 613-623	1.2	2
134	The Effect of Breathing Patterns Common to Competitive Swimming on Gas Exchange and Muscle Deoxygenation During Heavy-Intensity Fartlek Exercise.. <i>Frontiers in Physiology</i> , 2021 , 12, 723951	4.6	
133	Methodological Reconciliation of CP and MLSS and Their Agreement with the Maximal Metabolic Steady State. <i>Medicine and Science in Sports and Exercise</i> , 2021 ,	1.2	6
132	Identification of Non-Invasive Exercise Thresholds: Methods, Strategies, and an Online App. <i>Sports Medicine</i> , 2021 , 1	10.6	4
131	Fitness Level- and Sex-related Differences in Macro- and Microvascular Responses during Reactive Hyperemia. <i>Medicine and Science in Sports and Exercise</i> , 2021 ,	1.2	3
130	Association between [Formula: see text]O kinetics and [Formula: see text]O in groups differing in fitness status. <i>European Journal of Applied Physiology</i> , 2021 , 121, 1921-1931	3.4	3
129	Individual cardiovascular responsiveness to work-matched exercise within the moderate- and severe-intensity domains. <i>European Journal of Applied Physiology</i> , 2021 , 121, 2039-2059	3.4	6
128	Evaluating the Accuracy of Using Fixed Ranges of METs to Categorize Exertional Intensity in a Heterogeneous Group of Healthy Individuals: Implications for Cardiorespiratory Fitness and Health Outcomes. <i>Sports Medicine</i> , 2021 , 51, 2411-2421	10.6	5
127	The relationship between the time constant of [Formula: see text]O kinetics and [Formula: see text]O in humans. <i>European Journal of Applied Physiology</i> , 2021 , 121, 2655-2656	3.4	3
126	Slight power output manipulations around the maximal lactate steady state have a similar impact on fatigue in females and males. <i>Journal of Applied Physiology</i> , 2021 , 130, 1879-1892	3.7	3
125	Mild obesity does not affect the forearm muscle microvascular responses to hyperglycemia. <i>Microcirculation</i> , 2021 , 28, e12669	2.9	1
124	Comment on: "Relative Proximity of Critical Power and Metabolic/Ventilatory Thresholds: Systematic Review and Meta-Analysis". <i>Sports Medicine</i> , 2021 , 51, 367-368	10.6	4
123	Acute supplementation with beetroot juice improves endothelial function in HIV-infected individuals. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 213-220	3	1
122	Effect of dietary nitrate ingestion on muscular performance: a systematic review and meta-analysis of randomized controlled trials. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-23	11.5	3

121	Responders and non-responders to aerobic exercise training: beyond the evaluation of. <i>Physiological Reports</i> , 2021 , 9, e14951	2.6	2
120	Prior exercise impairs subsequent performance in an intensity- and duration-dependent manner. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 976-985	3	4
119	What Is Moderate to Vigorous Exercise Intensity?. <i>Frontiers in Physiology</i> , 2021 , 12, 682233	4.6	8
118	Turmeric root extract supplementation improves pre-frontal cortex oxygenation and blood volume in older males and females: a randomised cross-over, placebo-controlled study. <i>International Journal of Food Sciences and Nutrition</i> , 2021 , 1-10	3.7	2
117	Commentaries on Viewpoint: Time to reconsider how ventilation is regulated above the respiratory compensation point during incremental exercise. <i>Journal of Applied Physiology</i> , 2020 , 128, 1450-1455	3.7	1
116	Hypoxia equally reduces the respiratory compensation point and the NIRS-derived [HHb] breakpoint during a ramp-incremental test in young active males. <i>Physiological Reports</i> , 2020 , 8, e14478	2.6	3
115	Near-infrared spectroscopy-derived total haemoglobin as an indicator of changes in muscle blood flow during exercise-induced hyperaemia. <i>Journal of Sports Sciences</i> , 2020 , 38, 751-758	3.6	9
114	Fatigue Etiology At Exhaustion When Cycling Above Vs At Or Below Maximal Lactate Steady-state Threshold.. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 934-934	1.2	
113	Reductions in Microvascular Function can be Detected by Near-infrared Spectroscopy (NIRS) following Ischemia-Reperfusion in Early Postmenopausal Women. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
112	Menstrual and oral contraceptive cycle phases do not affect submaximal and maximal exercise responses. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 472-484	4.6	30
111	A Critical Evaluation of Current Methods for Exercise Prescription in Women and Men. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 466-473	1.2	52
110	Effects of pre-induced fatigue vs. concurrent pain on exercise tolerance, neuromuscular performance and corticospinal responses of locomotor muscles. <i>Journal of Physiology</i> , 2020 , 598, 285-302 ⁹	3.9	13
109	Acute application of a transdermal nitroglycerin patch protects against prolonged forearm ischemia-induced microvascular dysfunction. <i>Microcirculation</i> , 2020 , 27, e12599	2.9	2
108	The effect of the fraction of inspired oxygen on the NIRS-derived deoxygenated hemoglobin "breakpoint" during ramp-incremental test. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 318, R399-R409	3.2	4
107	Evaluating the suitability of supra-PO verification trials after ramp-incremental exercise to confirm the attainment of maximum O uptake. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 319, R315-R322	3.2	11
106	A "Step-Ramp-Step" Protocol to Identify the Maximal Metabolic Steady State. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2011-2019	1.2	20
105	Rolling massage acutely improves skeletal muscle oxygenation and parameters associated with microvascular reactivity: The first evidence-based study. <i>Microvascular Research</i> , 2020 , 132, 104063	3.7	4
104	The effects of the analysis strategy on the correlation between the NIRS reperfusion measures and the FMD response. <i>Microvascular Research</i> , 2020 , 127, 103922	3.7	7

103	Effects of the menstrual and oral contraceptive cycle phases on microvascular reperfusion. <i>Experimental Physiology</i> , 2020 , 105, 184-191	2.4	14
102	The effects of aging and cardiovascular risk factors on microvascular function assessed by near-infrared spectroscopy. <i>Microvascular Research</i> , 2019 , 126, 103911	3.7	9
101	Establishing the V o versus constant-work-rate relationship from ramp-incremental exercise: simple strategies for an unsolved problem. <i>Journal of Applied Physiology</i> , 2019 , 127, 1519-1527	3.7	35
100	The association between near-infrared spectroscopy assessment of microvascular reactivity and flow-mediated dilation is disrupted in individuals at high risk for cardiovascular disease. <i>Microcirculation</i> , 2019 , 26, e12556	2.9	13
99	Near-infrared spectroscopy detects transient decrements and recovery of microvascular responsiveness following prolonged forearm ischemia. <i>Microvascular Research</i> , 2019 , 125, 103879	3.7	4
98	Response. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 603	1.2	2
97	Evaluating the NIRS-derived microvascular O2 extraction "reserve" in groups varying in sex and training status using leg blood flow occlusions. <i>PLoS ONE</i> , 2019 , 14, e0220192	3.7	6
96	Effects of a rehabilitation program on microvascular function of CHD patients assessed by near-infrared spectroscopy. <i>Physiological Reports</i> , 2019 , 7, e14145	2.6	7
95	Interlimb differences in parameters of aerobic function and local profiles of deoxygenation during double-leg and counterweighted single-leg cycling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R840-R851	3.2	7
94	Maximal Lactate Steady State Versus the 20-Minute Functional Threshold Power Test in Well-Trained Individuals: "Watts" the Big Deal?. <i>International Journal of Sports Physiology and Performance</i> , 2019 , 1-7	3.5	8
93	The Oxygen Mean Response Time At Different Ramp-incremental Cycling Slopes.. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 301-301	1.2	
92	Noninvasive and in vivo assessment of upper and lower limb skeletal muscle oxidative metabolism activity and microvascular responses to glucose ingestion in humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019 , 44, 1105-1111	3	9
91	A Simple Method to Quantify the $\dot{V}O_2$ Mean Response Time of Ramp-Incremental Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1080-1086	1.2	26
90	Response. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 830	1.2	3
89	The association between near-infrared spectroscopy-derived and flow-mediated dilation assessment of vascular responsiveness in the arm. <i>Microvascular Research</i> , 2019 , 122, 41-44	3.7	21
88	Reliability of microvascular responsiveness measures derived from near-infrared spectroscopy across a variety of ischemic periods in young and older individuals. <i>Microvascular Research</i> , 2019 , 122, 117-124	3.7	23
87	Validity of a Taekwondo-Specific Test to Measure $\dot{V}O_{2peak}$ and the Heart Rate Deflection Point. <i>Journal of Strength and Conditioning Research</i> , 2019 , 33, 2523-2529	3.2	13
86	Training-Induced Changes in the Respiratory Compensation Point, Deoxyhemoglobin Break Point, and Maximal Lactate Steady State: Evidence of Equivalence. <i>International Journal of Sports Physiology and Performance</i> , 2019 , 1-7	3.5	9

85	Near-infrared spectroscopy assessment of microvasculature detects difference in lower limb vascular responsiveness in obese compared to lean individuals. <i>Microvascular Research</i> , 2018 , 118, 31-35	3.7	18
84	Near-infrared spectroscopy can detect differences in vascular responsiveness to a hyperglycaemic challenge in individuals with obesity compared to normal-weight individuals. <i>Diabetes and Vascular Disease Research</i> , 2018 , 15, 55-63	3.3	11
83	Using ramp-incremental V O responses for constant-intensity exercise selection. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 882-892	3	48
82	Faster V O kinetics after priming exercises of different duration but same fatigue. <i>Journal of Sports Sciences</i> , 2018 , 36, 1095-1102	3.6	10
81	Differences in vascular function between trained and untrained limbs assessed by near-infrared spectroscopy. <i>European Journal of Applied Physiology</i> , 2018 , 118, 2241-2248	3.4	19
80	Blood flow occlusion-related O extraction "reserve" is present in different muscles of the quadriceps but greater in deeper regions after ramp-incremental test. <i>Journal of Applied Physiology</i> , 2018 , 125, 313-319	3.7	13
79	Measurement of a True [Formula: see text]O during a Ramp Incremental Test Is Not Confirmed by a Verification Phase. <i>Frontiers in Physiology</i> , 2018 , 9, 143	4.6	29
78	Fitness Level and Not Aging , Determines the Oxygen Uptake Kinetics Response. <i>Frontiers in Physiology</i> , 2018 , 9, 277	4.6	20
77	Effects of Ginseng Supplementation and Endurance-Exercise in the Artery-Specific Vascular Responsiveness of Diabetic and Sedentary Rats. <i>Frontiers in Physiology</i> , 2018 , 9, 460	4.6	1
76	Metabolic and performance-related consequences of exercising at and slightly above MLSS. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018 , 28, 2481-2493	4.6	34
75	Differing six minute pacing strategies affect anaerobic contribution, oxygen uptake, muscle deoxygenation and cycle performance. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018 , 58, 17-26	1.4	2
74	Reply to "Discussion of RCan measures of critical power precisely estimate the maximal metabolic steady-state?R Is it still necessary to compare critical power to maximal lactate steady state?" - When is it appropriate to compare critical power to maximal lactate steady-state?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 866-87	3	8
73	Critical power: How different protocols and models affect its determination. <i>Journal of Science and Medicine in Sport</i> , 2018 , 21, 742-747	4.4	37
72	Oxygen Uptake and Muscle Deoxygenation Kinetics During Skating: Comparison Between Slide-Board and Treadmill Skating. <i>International Journal of Sports Physiology and Performance</i> , 2018 , 13, 783-788	3.5	7
71	Allometric scaling of flow-mediated dilation: is it always helpful?. <i>Clinical Physiology and Functional Imaging</i> , 2018 , 38, 663-669	2.4	4
70	Commentaries on Viewpoint: V o is an acceptable estimate of cardiorespiratory fitness but not V o. <i>Journal of Applied Physiology</i> , 2018 , 125, 966-967	3.7	3
69	The Respiratory Compensation Point and the Deoxygenation Break Point Are Valid Surrogates for Critical Power and Maximum Lactate Steady State. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2375-2378	1.2	28
68	Reply to Dr. Grassi. <i>Journal of Applied Physiology</i> , 2018 , 125, 1356	3.7	

67	An equation to predict the maximal lactate steady state from ramp-incremental exercise test data in cycling. <i>Journal of Science and Medicine in Sport</i> , 2018 , 21, 1274-1280	4.4	20
66	Changes in vascular responsiveness during a hyperglycemia challenge measured by near-infrared spectroscopy vascular occlusion test. <i>Microvascular Research</i> , 2017 , 111, 67-71	3.7	21
65	Critical power testing or self-selected cycling: Which one is the best predictor of maximal metabolic steady-state?. <i>Journal of Science and Medicine in Sport</i> , 2017 , 20, 795-799	4.4	12
64	The near-infrared spectroscopy-derived deoxygenated haemoglobin breaking-point is a repeatable measure that demarcates exercise intensity domains. <i>Journal of Science and Medicine in Sport</i> , 2017 , 20, 873-877	4.4	22
63	Validation of a Maximal Incremental Skating Test Performed on a Slide Board: Comparison With Treadmill Skating. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 1363-1369	3.5	4
62	Similar pattern of change in $\dot{V}O_2$ kinetics, vascular function, and tissue oxygen provision following an endurance training stimulus in older and young adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 312, R467-R476	3.2	9
61	The relationship between oxygen uptake kinetics and neuromuscular fatigue in high-intensity cycling exercise. <i>European Journal of Applied Physiology</i> , 2017 , 117, 969-978	3.4	22
60	Identification of critical intensity from a single lactate measure during a 3-min, submaximal cycle-ergometer test. <i>Journal of Sports Sciences</i> , 2017 , 35, 2191-2197	3.6	3
59	Response to Letter from Tremblay & King: Near-infrared spectroscopy: can it measure conduit artery endothelial function?. <i>Experimental Physiology</i> , 2017 , 102, 128-129	2.4	3
58	Metabolic inflexibility in individuals with obesity assessed by near-infrared spectroscopy. <i>Diabetes and Vascular Disease Research</i> , 2017 , 14, 502-509	3.3	5
57	The plateau in the NIRS-derived [HHb] signal near the end of a ramp incremental test does not indicate the upper limit of $\dot{V}O_2$ extraction in the vastus lateralis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 313, R723-R729	3.2	25
56	Single Sprint Interval Training Session Induces Faster $\dot{V}O_2$ Kinetics that is Sustained for 72 Hours. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 638-639	1.2	
55	Differences in oxidative metabolism modulation induced by ischemia/reperfusion between trained and untrained individuals assessed by NIRS. <i>Physiological Reports</i> , 2017 , 5, e13384	2.6	8
54	Quadriceps Muscles $\dot{V}O_2$ Extraction and EMG Breakpoints during a Ramp Incremental Test. <i>Frontiers in Physiology</i> , 2017 , 8, 686	4.6	21
53	Effects of short-term training and detraining on $\dot{V}O_2$ kinetics: Faster $\dot{V}O_2$ kinetics response after one training session. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016 , 26, 620-9	4.6	15
52	Can measures of critical power precisely estimate the maximal metabolic steady-state?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016 , 41, 1197-1203	3	42
51	Vascular responsiveness measured by tissue oxygen saturation reperfusion slope is sensitive to different occlusion durations and training status. <i>Experimental Physiology</i> , 2016 , 101, 1309-1318	2.4	31
50	Repeatability of vascular responsiveness measures derived from near-infrared spectroscopy. <i>Physiological Reports</i> , 2016 , 4, e12772	2.6	48

49	Vascular responsiveness determined by near-infrared spectroscopy measures of oxygen saturation. <i>Experimental Physiology</i> , 2016 , 101, 34-40	2.4	62
48	Determination of respiratory point compensation in healthy adults: Can non-invasive near-infrared spectroscopy help?. <i>Journal of Science and Medicine in Sport</i> , 2015 , 18, 590-5	4.4	46
47	Exercise Intensity Thresholds: Identifying the Boundaries of Sustainable Performance. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1932-40	1.2	112
46	Reply: To PMID 25063837. <i>Experimental Physiology</i> , 2015 , 100, 476	2.4	
45	Slower V O ₂ Kinetics in Older Individuals: Is It Inevitable?. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2308-18	1.2	17
44	Response. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1998-9	1.2	4
43	Control of V O ₂ Kinetics: Not a Settled Issue. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2480	1.2	3
42	Effects of age and long-term endurance training on VO ₂ kinetics. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 289-98	1.2	34
41	Sex-related differences in muscle deoxygenation during ramp incremental exercise: response to Peltonen et al. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 195, 61-2	2.8	1
40	Faster VO ₂ kinetics after eccentric contractions is explained by better matching of O ₂ delivery to O ₂ utilization. <i>European Journal of Applied Physiology</i> , 2014 , 114, 2169-81	3.4	3
39	American ginseng acutely regulates contractile function of rat heart. <i>Frontiers in Pharmacology</i> , 2014 , 5, 43	5.6	7
38	Breath-by-breath pulmonary O ₂ uptake kinetics: effect of data processing on confidence in estimating model parameters. <i>Experimental Physiology</i> , 2014 , 99, 1511-22	2.4	52
37	The critical role of O ₂ provision in the dynamic adjustment of oxidative phosphorylation. <i>Exercise and Sport Sciences Reviews</i> , 2014 , 42, 4-11	6.7	41
36	Effect of acute hypoxia on muscle blood flow, VO ₂ , and [HHb] kinetics during leg extension exercise in older men. <i>European Journal of Applied Physiology</i> , 2013 , 113, 1685-94	3.4	3
35	Sex-related differences in muscle deoxygenation during ramp incremental exercise. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 189, 530-6	2.8	36
34	Oxygen uptake kinetics in endurance-trained and untrained postmenopausal women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 154-60	3	12
33	Prolonged moderate-intensity exercise oxygen uptake response following heavy-intensity priming exercise with short- and longer-term recovery. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 566-73	3	4
32	Effect of moderate-intensity work rate increment on phase II $\dot{V}O_2$ functional gain and [HHb]. <i>European Journal of Applied Physiology</i> , 2013 , 113, 545-57	3.4	15

31	Systemic and vastus lateralis muscle blood flow and O ₂ extraction during ramp incremental cycle exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R720-5	3.2	36
30	Duration of "Phase I" VO _{2p} : a comparison of methods used in its estimation and the effects of varying moderate-intensity work rate. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R238-47	3.2	5
29	Acute endurance exercise induces changes in vasorelaxation responses that are vessel-specific. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R574-80	3.2	10
28	Vessel-specific rate of vasorelaxation is slower in diabetic rats. <i>Diabetes and Vascular Disease Research</i> , 2013 , 10, 179-86	3.3	10
27	High-intensity endurance training results in faster vessel-specific rate of vasorelaxation in type 1 diabetic rats. <i>PLoS ONE</i> , 2013 , 8, e59678	3.7	22
26	Characterizing the profile of muscle deoxygenation during ramp incremental exercise in young men. <i>European Journal of Applied Physiology</i> , 2012 , 112, 3349-60	3.4	56
25	The effects of short recovery duration on VO ₂ and muscle deoxygenation during intermittent exercise. <i>European Journal of Applied Physiology</i> , 2012 , 112, 1907-15	3.4	14
24	Noninvasive estimation of microvascular O ₂ provision during exercise on-transients in healthy young males. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R815-23	3.2	23
23	Effects of prior heavy-intensity exercise on oxygen uptake and muscle deoxygenation kinetics of a subsequent heavy-intensity cycling and knee-extension exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012 , 37, 138-48	3	22
22	Adjustments of pulmonary O ₂ uptake and muscle deoxygenation during ramp incremental exercise and constant-load moderate-intensity exercise in young and older adults. <i>Journal of Applied Physiology</i> , 2012 , 113, 1466-75	3.7	19
21	Regulation of VO ₂ kinetics by O ₂ delivery: insights from acute hypoxia and heavy-intensity priming exercise in young men. <i>Journal of Applied Physiology</i> , 2012 , 112, 1023-32	3.7	33
20	Speeding of VO ₂ kinetics during moderate-intensity exercise subsequent to heavy-intensity exercise is associated with improved local O ₂ distribution. <i>Journal of Applied Physiology</i> , 2011 , 111, 1410-37	3.7	39
19	Speeding of VO ₂ kinetics in response to endurance-training in older and young women. <i>European Journal of Applied Physiology</i> , 2011 , 111, 235-43	3.4	51
18	Are the parameters of VO ₂ , heart rate and muscle deoxygenation kinetics affected by serial moderate-intensity exercise transitions in a single day?. <i>European Journal of Applied Physiology</i> , 2011 , 111, 591-600	3.4	49
17	Pulmonary O ₂ uptake and muscle deoxygenation kinetics are slowed in the upper compared with lower region of the moderate-intensity exercise domain in older men. <i>European Journal of Applied Physiology</i> , 2011 , 111, 2139-48	3.4	25
16	Muscle deoxygenation to VO ₂ relationship differs in young subjects with varying VO ₂ . <i>European Journal of Applied Physiology</i> , 2011 , 111, 3107-18	3.4	48
15	Adaptations in capillarization and citrate synthase activity in response to endurance training in older and young men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011 , 66, 957-64	6.4	34
14	Influence of phase I duration on phase II VO ₂ kinetics parameter estimates in older and young adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R218-24	3.2	67

13	Mechanisms for increases in $\dot{V}O_{2\max}$ with endurance training in older and young women. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 1891-8	1.2	32
12	Time course and mechanisms of adaptations in cardiorespiratory fitness with endurance training in older and young men. <i>Journal of Applied Physiology</i> , 2010 , 108, 621-7	3.7	80
11	Speeding of $\dot{V}O_2$ kinetics with endurance training in old and young men is associated with improved matching of local O_2 delivery to muscle O_2 utilization. <i>Journal of Applied Physiology</i> , 2010 , 108, 913-22	3.7	105
10	Reference values of pulmonary diffusing capacity for nitric oxide in an adult population. <i>Nitric Oxide - Biology and Chemistry</i> , 2008 , 18, 70-9	5	50
9	Waist-to-hip ratio is associated with pulmonary gas exchange in the morbidly obese. <i>Chest</i> , 2007 , 131, 362-7	5.3	49
8	Laboratory 20-km cycle time trial reproducibility. <i>International Journal of Sports Medicine</i> , 2007 , 28, 743-8.	3.6	27
7	Metabolic and functional responses playing tennis on different surfaces. <i>Journal of Strength and Conditioning Research</i> , 2007 , 21, 112-7	3.2	53
6	Arterial versus capillary blood gases: a meta-analysis. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 155, 268-79	2.8	139
5	Short-term variability of nitric oxide diffusing capacity and its components. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 157, 316-25	2.8	19
4	Poor compensatory hyperventilation in morbidly obese women at peak exercise. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 159, 187-95	2.8	16
3	Potassium kinetics and its relationship with ventilation during repeated bouts of exercise in women. <i>European Journal of Applied Physiology</i> , 2007 , 99, 173-81	3.4	4
2	A small amount of inhaled nitric oxide does not increase lung diffusing capacity. <i>European Respiratory Journal</i> , 2006 , 27, 1251-7	13.6	33
1	Pulmonary gas exchange does not worsen during repeat exercise in women. <i>Respiratory Physiology and Neurobiology</i> , 2006 , 153, 226-36	2.8	12