

# Thomas J Barstow

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1521107/publications.pdf>

Version: 2024-02-01

149  
papers

6,995  
citations

57758

44  
h-index

62596

80  
g-index

150  
all docs

150  
docs citations

150  
times ranked

4289  
citing authors

#	ARTICLE	IF	CITATIONS
1	The level and tempo of children's physical activities: an observational study. <i>Medicine and Science in Sports and Exercise</i> , 1995, 27, 1033-1041.	0.4	746
2	Influence of muscle fiber type and pedal frequency on oxygen uptake kinetics of heavy exercise. <i>Journal of Applied Physiology</i> , 1996, 81, 1642-1650.	2.5	394
3	Low intensity exercise training in patients with chronic heart failure. <i>Journal of the American College of Cardiology</i> , 1995, 26, 975-982.	2.8	283
4	Understanding near infrared spectroscopy and its application to skeletal muscle research. <i>Journal of Applied Physiology</i> , 2019, 126, 1360-1376.	2.5	227
5	Oxygen uptake kinetics in treadmill running and cycle ergometry: a comparison. <i>Journal of Applied Physiology</i> , 2000, 89, 899-907.	2.5	202
6	Control of Oxygen Uptake during Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 462-474.	0.4	171
7	Effects of hypoxic hypoxia on $\dot{V}_{O_2}$ uptake and heart rate kinetics during heavy exercise. <i>Journal of Applied Physiology</i> , 1996, 81, 2500-2508.	2.5	169
8	The slow component of $\dot{V}_{O_2}$ uptake is not accompanied by changes in muscle EMG during repeated bouts of heavy exercise in humans. <i>Journal of Physiology</i> , 2001, 531, 245-256.	2.9	161
9	Spatial heterogeneity of quadriceps muscle deoxygenation kinetics during cycle exercise. <i>Journal of Applied Physiology</i> , 2007, 103, 2049-2056.	2.5	151
10	Muscle capillary blood flow kinetics estimated from pulmonary $\dot{V}_{O_2}$ uptake and near-infrared spectroscopy. <i>Journal of Applied Physiology</i> , 2005, 98, 1820-1828.	2.5	148
11	Dynamics of oxygen uptake following exercise onset in rat skeletal muscle. <i>Respiratory Physiology and Neurobiology</i> , 2002, 133, 229-239.	1.6	125
12	Effect of increased muscle temperature on oxygen uptake kinetics during exercise. <i>Journal of Applied Physiology</i> , 1997, 83, 1333-1338.	2.5	110
13	Effect of work rate on the functional "gain" of Phase II pulmonary $\dot{V}_{O_2}$ uptake response to exercise. <i>Respiratory Physiology and Neurobiology</i> , 2004, 142, 211-223.	1.6	109
14	The effect of exercise intensity on lipid peroxidation. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 1036-1039.	0.4	107
15	Abnormal Dynamic Cardiorespiratory Responses to Exercise in Pediatric Patients After Fontan Procedure. <i>Journal of the American College of Cardiology</i> , 1998, 31, 668-673.	2.8	106
16	Kinetics of oxygen uptake during supine and upright heavy exercise. <i>Journal of Applied Physiology</i> , 1999, 87, 253-260.	2.5	104
17	Effect of endurance training on oxygen uptake kinetics during treadmill running. <i>Journal of Applied Physiology</i> , 2000, 89, 1744-1752.	2.5	104
18	Dynamics of noninvasively estimated microvascular $\dot{V}_{O_2}$ extraction during ramp exercise. <i>Journal of Applied Physiology</i> , 2007, 103, 1999-2004.	2.5	102

#	ARTICLE	IF	CITATIONS
19	Estimated contribution of hemoglobin and myoglobin to near infrared spectroscopy. <i>Respiratory Physiology and Neurobiology</i> , 2013, 186, 180-187.	1.6	99
20	Physiologic responses during functional electrical stimulation leg cycling and hybrid exercise in spinal cord injured subjects. <i>Archives of Physical Medicine and Rehabilitation</i> , 1997, 78, 712-718.	0.9	90
21	Relationships between muscle mitochondrial DNA content, mitochondrial enzyme activity and oxidative capacity in man: alterations with disease. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1999, 80, 22-27.	1.2	90
22	Effect of prior multiple-sprint exercise on pulmonary O <sub>2</sub> uptake kinetics following the onset of perimaximal exercise. <i>Journal of Applied Physiology</i> , 2004, 97, 1227-1236.	2.5	89
23	Oxygen uptake kinetics for moderate exercise are speeded in older humans by prior heavy exercise. <i>Journal of Applied Physiology</i> , 2002, 92, 609-616.	2.5	85
24	Human critical power-oxygen uptake relationship at different pedalling frequencies. <i>Experimental Physiology</i> , 2006, 91, 621-632.	2.0	83
25	Human femoral artery and estimated muscle capillary blood flow kinetics following the onset of exercise. <i>Experimental Physiology</i> , 2006, 91, 661-671.	2.0	83
26	The relationship between muscle deoxygenation and activation in different muscles of the quadriceps during cycle ramp exercise. <i>Journal of Applied Physiology</i> , 2011, 111, 1259-1265.	2.5	80
27	Effect of contraction frequency on leg blood flow during knee extension exercise in humans. <i>Journal of Applied Physiology</i> , 2001, 91, 671-679.	2.5	78
28	Effects of assuming constant optical scattering on measurements of muscle oxygenation by near-infrared spectroscopy during exercise. <i>Journal of Applied Physiology</i> , 2007, 102, 358-367.	2.5	76
29	Influence of Muscle Fibre Type and Fitness on the Oxygen Uptake/Power Output Slope During Incremental Exercise in Humans. <i>Experimental Physiology</i> , 2000, 85, 109-116.	2.0	65
30	Pattern of deoxy[Hb+Mb] during ramp cycle exercise: influence of aerobic fitness status. <i>European Journal of Applied Physiology</i> , 2009, 105, 851-859.	2.5	65
31	Spectral and bout detection analysis of physical activity patterns in healthy, prepubertal boys and girls. , 1998, 10, 289-297.		63
32	Muscle contraction-blood flow interactions during upright knee extension exercise in humans. <i>Journal of Applied Physiology</i> , 2005, 98, 1575-1583.	2.5	61
33	O <sub>2</sub> uptake kinetics during exercise at peak O <sub>2</sub> uptake. <i>Journal of Applied Physiology</i> , 2003, 95, 2014-2022.	2.5	60
34	Muscle blood flow–O <sub>2</sub> uptake interaction and their relation to on-exercise dynamics of O <sub>2</sub> exchange. <i>Respiratory Physiology and Neurobiology</i> , 2005, 147, 91-103.	1.6	60
35	Muscle deoxygenation in the quadriceps during ramp incremental cycling: Deep vs. superficial heterogeneity. <i>Journal of Applied Physiology</i> , 2015, 119, 1313-1319.	2.5	60
36	Effect of exercise training on energy expenditure, muscle volume, and maximal oxygen uptake in female adolescents. <i>Journal of Pediatrics</i> , 1996, 129, 537-543.	1.8	57

#	ARTICLE	IF	CITATIONS
37	O <sub>2</sub> Uptake Kinetics in Response to Exercise. Chest, 1993, 103, 735-741.	0.8	56
38	Influence of duty cycle on the power-duration relationship: Observations and potential mechanisms. Respiratory Physiology and Neurobiology, 2014, 192, 102-111.	1.6	56
39	Kinetics of muscle deoxygenation and microvascular P <sub>o<sub>2</sub></sub> during contractions in rat: comparison of optical spectroscopy and phosphorescence-quenching techniques. Journal of Applied Physiology, 2012, 112, 26-32.	2.5	55
40	Relationship between the curvature constant parameter of the power-duration curve and muscle cross-sectional area of the thigh for cycle ergometry in humans. European Journal of Applied Physiology, 2002, 87, 238-244.	2.5	54
41	Are obese children truly unfit? Minimizing the confounding effect of body size on the exercise response. Journal of Pediatrics, 1990, 116, 223-230.	1.8	49
42	Skeletal muscle StO <sub>2</sub> kinetics are slowed during low work rate calf exercise in peripheral arterial disease. European Journal of Applied Physiology, 2007, 100, 143-151.	2.5	48
43	Validation of a high-power, time-resolved, near-infrared spectroscopy system for measurement of superficial and deep muscle deoxygenation during exercise. Journal of Applied Physiology, 2015, 118, 1435-1442.	2.5	48
44	Effect of adipose tissue thickness, muscle site, and sex on near-infrared spectroscopy derived total-[hemoglobin + myoglobin]. Journal of Applied Physiology, 2017, 123, 1571-1578.	2.5	48
45	The Final Frontier. Exercise and Sport Sciences Reviews, 2007, 35, 166-173.	3.0	46
46	Sex differences in the cardiovascular consequences of the inspiratory muscle metaboreflex. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R574-R581.	1.8	46
47	Effects of N-acetylcysteine on respiratory muscle fatigue during heavy exercise. Respiratory Physiology and Neurobiology, 2009, 165, 67-72.	1.6	45
48	The interrelationship between muscle oxygenation, muscle activation, and pulmonary oxygen uptake to incremental ramp exercise: influence of aerobic fitness. Applied Physiology, Nutrition and Metabolism, 2016, 41, 55-62.	1.9	45
49	Changes in gas exchange kinetics with training in patients with spinal cord injury. Medicine and Science in Sports and Exercise, 1996, 28, 1221-1228.	0.4	45
50	Effects of pedal frequency on estimated muscle microvascular O <sub>2</sub> extraction. European Journal of Applied Physiology, 2006, 96, 558-563.	2.5	43
51	A single test for the determination of parameters of the speed-time relationship for running. Respiratory Physiology and Neurobiology, 2013, 185, 380-385.	1.6	43
52	Kinetics of estimated human muscle capillary blood flow during recovery from exercise. Experimental Physiology, 2005, 90, 715-726.	2.0	42
53	Peak oxygen uptake, muscle volume, and the growth hormone-insulin-like growth factor-I axis in adolescent males. Medicine and Science in Sports and Exercise, 1998, 30, 512-517.	0.4	42
54	EMG and Oxygen Uptake Responses During Slow and Fast Ramp Exercise in Humans. Experimental Physiology, 2002, 87, 91-100.	2.0	41

#	ARTICLE	IF	CITATIONS
55	Greater $\dot{V}\ddot{t}_{\text{O}_2\text{peak}}$ is correlated with greater skeletal muscle deoxygenation amplitude and hemoglobin concentration within individual muscles during ramp-incremental cycle exercise. <i>Physiological Reports</i> , 2016, 4, e13065.	1.7	41
56	Effect of Exercise Protocol on Deoxy[Hb + Mb]. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 935-942.	0.4	38
57	Characterizing near-infrared spectroscopy responses to forearm post-occlusive reactive hyperemia in healthy subjects. <i>European Journal of Applied Physiology</i> , 2011, 111, 2753-2761.	2.5	38
58	Peak and kinetic cardiorespiratory responses during arm and leg exercise in patients with spinal cord injury. <i>Spinal Cord</i> , 2000, 38, 340-345.	1.9	37
59	Pulmonary $\dot{V}\ddot{t}_{\text{O}_2}$ dynamics during treadmill and arm exercise in peripheral arterial disease. <i>Journal of Applied Physiology</i> , 2004, 97, 627-634.	2.5	37
60	Effects of oral N-acetylcysteine on fatigue, critical power, and $\dot{W}_{\text{aer}}$ in exercising humans. <i>Respiratory Physiology and Neurobiology</i> , 2011, 178, 261-268.	1.6	37
61	Effects of malate, lactate, and pyruvate on myoglobin redox stability in homogenates of three bovine muscles. <i>Meat Science</i> , 2010, 86, 304-310.	5.5	35
62	Influence of peak $\dot{V}\ddot{t}_{\text{O}_2}$ and muscle fiber type on the efficiency of moderate exercise. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 1279-1287.	0.4	34
63	Effects of increased skin blood flow on muscle oxygenation/deoxygenation: comparison of time-resolved and continuous-wave near-infrared spectroscopy signals. <i>European Journal of Applied Physiology</i> , 2015, 115, 335-343.	2.5	33
64	$\dot{V}\ddot{t}_{\text{O}_2\text{max}}$ and Microgravity Exposure. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1351-1361.	0.4	32
65	Relationship between brachial artery blood flow and total [hemoglobin+myoglobin] during post-occlusive reactive hyperemia. <i>Microvascular Research</i> , 2014, 91, 37-43.	2.5	31
66	Dynamics of skeletal muscle oxygenation during sequential bouts of moderate exercise. <i>Experimental Physiology</i> , 2005, 90, 393-401.	2.0	30
67	Incidence Rate of Cardiovascular Disease End Points in the National Aeronautics and Space Administration Astronaut Corps. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	30
68	Effect of muscle mass on $\dot{V}\ddot{t}_{\text{O}_2}$ kinetics at the onset of work. <i>Journal of Applied Physiology</i> , 2001, 90, 461-468.	2.5	29
69	The impact of pedal rate on muscle oxygenation, muscle activation and whole-body $\dot{V}\ddot{t}_{\text{O}_2}$ during ramp exercise in healthy subjects. <i>European Journal of Applied Physiology</i> , 2015, 115, 57-70.	2.5	29
70	Cardiovascular consequences of the inspiratory muscle metaboreflex: effects of age and sex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1013-H1020.	3.2	28
71	Effect of dietary nitrate supplementation on conduit artery blood flow, muscle oxygenation, and metabolic rate during handgrip exercise. <i>Journal of Applied Physiology</i> , 2018, 125, 254-262.	2.5	28
72	Reply to Quaresima and Ferrari. <i>Journal of Applied Physiology</i> , 2009, 107, 372-373.	2.5	27

#	ARTICLE	IF	CITATIONS
73	Myoglobin Redox Form Stabilization by Compartmentalized Lactate and Malate Dehydrogenases. Journal of Agricultural and Food Chemistry, 2010, 58, 7021-7029.	5.2	26
74	Clarifying the equation for modeling of $\dot{V}\dot{I}\dot{O}_2$ kinetics above the lactate threshold. Journal of Applied Physiology, 2010, 109, 1283-1284.	2.5	25
75	Near-infrared spectroscopy of superficial and deep rectus femoris reveals markedly different exercise response to superficial vastus lateralis. Physiological Reports, 2017, 5, e13402.	1.7	25
76	Effect of Hypoxia on Ventilatory Control during Exercise in Children and Adults. Pediatric Research, 1989, 25, 285-290.	2.3	24
77	Muscle microvascular hemoglobin concentration and oxygenation within the contraction-relaxation cycle. Respiratory Physiology and Neurobiology, 2008, 160, 131-138.	1.6	24
78	The noninvasive simultaneous measurement of tissue oxygenation and microvascular hemodynamics during incremental handgrip exercise. Journal of Applied Physiology, 2018, 124, 604-614.	2.5	24
79	Effects of ozone on lung and somatic growth. Pair fed rats after ozone exposure and recovery periods. Toxicology, 1987, 46, 1-20.	4.2	23
80	Reduction of $\dot{V}\dot{I}\dot{O}_2$ slow component by priming exercise: novel mechanistic insights from time-resolved near-infrared spectroscopy. Physiological Reports, 2015, 3, e12432.	1.7	23
81	Limb blood flow and muscle oxygenation responses during handgrip exercise above vs. below critical force. Microvascular Research, 2020, 131, 104002.	2.5	23
82	Constructing quasi-linear $\dot{V}\dot{I}\dot{O}_2$ responses from nonlinear parameters. Journal of Applied Physiology, 2016, 120, 121-129.	2.5	21
83	Influence of exercise intensity on respiratory muscle fatigue and brachial artery blood flow during cycling exercise. European Journal of Applied Physiology, 2014, 114, 1767-1777.	2.5	20
84	The critical power concept in all-out isokinetic exercise. Journal of Science and Medicine in Sport, 2014, 17, 640-644.	1.3	19
85	Influence of priming exercise on muscle deoxy[Hb+Mb] during ramp cycle exercise. European Journal of Applied Physiology, 2012, 112, 1143-1152.	2.5	18
86	Influence of blood flow occlusion on muscular recruitment and fatigue during maximal-effort small muscle-mass exercise. Journal of Physiology, 2020, 598, 4293-4306.	2.9	18
87	Frequency-domain characteristics and filtering of blood flow following the onset of exercise: implications for kinetics analysis. Journal of Applied Physiology, 2006, 100, 817-825.	2.5	16
88	Near-infrared oximetry of three post-rigor skeletal muscles for following myoglobin redox forms. Food Chemistry, 2010, 123, 456-464.	8.2	16
89	Microvascular blood flow during vascular occlusion tests assessed by diffuse correlation spectroscopy. Experimental Physiology, 2020, 105, 201-210.	2.0	16
90	Kinetics of Myoglobin Redox Form Stabilization by Malate Dehydrogenase. Journal of Agricultural and Food Chemistry, 2010, 58, 6994-7000.	5.2	15

#	ARTICLE	IF	CITATIONS
91	Wâ€² expenditure and reconstitution during severe intensity constant power exercise: mechanistic insight into the determinants of Wâ€². <i>Physiological Reports</i> , 2016, 4, e12856.	1.7	15
92	Influence of muscle fibre type and fitness on the oxygen uptake/power output slope during incremental exercise in humans. <i>Experimental Physiology</i> , 2000, 85, 109-116.	2.0	15
93	Matching of blood flow to metabolic rate during recovery from moderate exercise in humans. <i>Experimental Physiology</i> , 2008, 93, 1118-1125.	2.0	14
94	Effects of fibre orientation, myoglobin redox form, and postmortem storage on NIR tissue oximeter measurements of beef longissimus muscle. <i>Meat Science</i> , 2010, 84, 79-85.	5.5	14
95	Relationship between simulated extravehicular activity tasks and measurements of physical performance. <i>Respiratory Physiology and Neurobiology</i> , 2014, 203, 19-27.	1.6	14
96	Reduced insulin sensitivity in young, normoglycaemic subjects alters microvascular tissue oxygenation during postocclusive reactive hyperaemia. <i>Experimental Physiology</i> , 2019, 104, 967-974.	2.0	14
97	Impact of supine versus upright exercise on muscle deoxygenation heterogeneity during ramp incremental cycling is site specific. <i>European Journal of Applied Physiology</i> , 2021, 121, 1283-1296.	2.5	14
98	Influence of pedal cadence on the respiratory compensation point and its relation to critical power. <i>Respiratory Physiology and Neurobiology</i> , 2015, 208, 1-7.	1.6	13
99	Unaltered V <sub>I</sub> kinetics despite greater muscle oxygenation during heavy-intensity two-legged knee extension versus cycle exercise in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R203-R213.	1.8	13
100	Prediction of Planetary Mission Task Performance for Long-Duration Spaceflight. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1662-1670.	0.4	13
101	Effect of assuming constant tissue scattering on measured tissue oxygenation values during tissue ischemia and vascular reperfusion. <i>Journal of Applied Physiology</i> , 2019, 127, 22-30.	2.5	12
102	Acute supplementation of N-acetylcysteine does not affect muscle blood flow and oxygenation characteristics during handgrip exercise. <i>Physiological Reports</i> , 2016, 4, e12748.	1.7	11
103	Impact of supine exercise on muscle deoxygenation kinetics heterogeneity: mechanistic insights into slow pulmonary oxygen uptake dynamics. <i>Journal of Applied Physiology</i> , 2020, 129, 535-546.	2.5	11
104	Effect of acute bicarbonate administration on exercise responses of COPD patients. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 725-732.	0.4	11
105	Effect of differential muscle activation patterns on muscle deoxygenation and microvascular haemoglobin regulation. <i>Experimental Physiology</i> , 2020, 105, 531-541.	2.0	10
106	Forearm muscle oxygenation responses during and following arterial occlusion in patients with mitochondrial myopathy. <i>Respiratory Physiology and Neurobiology</i> , 2014, 190, 70-75.	1.6	9
107	Exercise tolerance through severe and extreme intensity domains. <i>Physiological Reports</i> , 2019, 7, e14014.	1.7	9
108	Upper Body Aerobic Exercise as a Possible Predictor of Lower Body Performance. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 599-605.	0.4	7



#	ARTICLE	IF	CITATIONS
109	Considerations for Identifying the Boundaries of Sustainable Performance. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1997.	0.4	7
110	The effect of resting blood flow occlusion on exercise tolerance and $\dot{V}_{O_{2\max}}$ . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R684-R691.	1.8	7
111	Increase in bicarbonate stores with exercise. <i>Respiration Physiology</i> , 1992, 87, 231-242.	2.7	6
112	Effects of body posture and exercise training on cardiorespiratory responses to exercise. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 39-48.	1.6	6
113	Prediction of Lunar- and Martian-Based Intra- and Site-to-Site Task Performance. <i>Aerospace Medicine and Human Performance</i> , 2016, 87, 367-374.	0.4	6
114	Effect of cyclooxygenase inhibition on the inspiratory muscle metaboreflex-induced cardiovascular consequences in men. <i>Journal of Applied Physiology</i> , 2017, 123, 197-204.	2.5	6
115	Influence of muscular contraction on vascular conductance during exercise above versus below critical power. <i>Respiratory Physiology and Neurobiology</i> , 2021, 293, 103718.	1.6	6
116	The Critical Power Framework Provides Novel Insights Into Fatigue Mechanisms. <i>Exercise and Sport Sciences Reviews</i> , 2015, 43, 65-66.	3.0	5
117	Effect of priming exercise and body position on pulmonary oxygen uptake and muscle deoxygenation kinetics during cycle exercise. <i>Journal of Applied Physiology</i> , 2020, 129, 810-822.	2.5	5
118	Post-occlusive reactive hyperemia and skeletal muscle capillary hemodynamics. <i>Microvascular Research</i> , 2022, 140, 104283.	2.5	5
119	Commentary on Viewpoint: The human cutaneous circulation as a model of generalized microvascular function. <i>Journal of Applied Physiology</i> , 2008, 105, 376-376.	2.5	4
120	Discrepancy between femoral and capillary blood flow kinetics during knee extension exercise. <i>Respiratory Physiology and Neurobiology</i> , 2015, 219, 69-77.	1.6	4
121	Insulin resistance and metabolic syndrome criteria in lean, normoglycemic college-age subjects. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2018, 12, 609-616.	3.6	4
122	Prediction of Emergency Capsule Egress Performance. <i>Aerospace Medicine and Human Performance</i> , 2019, 90, 782-787.	0.4	4
123	Dissociation between exercise intensity thresholds: mechanistic insights from supine exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R712-R722.	1.8	4
124	Standardized Exercise Tests and Simulated Terrestrial Mission Task Performance. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 982-989.	0.4	4
125	The acute effects of passive heating on endothelial function, muscle microvascular oxygen delivery, and expression of serum HSP90 $\alpha$ . <i>Microvascular Research</i> , 2022, 142, 104356.	2.5	4
126	Biomedical sensing and wireless technologies for long duration EVAs and precursor scout missions. , 2014, , .		2



#	ARTICLE	IF	CITATIONS
127	The First Twenty Exercise Training Program and Fire Academy Recruitsâ€™ Fitness and Health. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1055.	0.4	1
128	Influence of Ischemia on Peripheral and Central Fatigue During Handgrip Exercise. <i>FASEB Journal</i> , 2015, 29, 824.19.	0.5	1
129	Kinetics of restoration of arteriolar tone after exercise.. <i>Journal of Applied Physiology</i> , 2005, 99, 775-775.	2.5	0
130	Swinging into action: the role of angular motion to increase peripheral arterial blood pressure. <i>Acta Physiologica</i> , 2009, 195, 303-303.	3.8	0
131	Micro-vascular Blood Flow During Post-Occlusive Reactive Hyperemia Assessed By Diffuse Correlation Spectroscopy. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 985-986.	0.4	0
132	NIRS-Derived Estimate of Muscle Blood Flow Kinetics During Moderate- and Heavy-Intensity Cycling Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, S232.	0.4	0
133	Pedal Frequency Does Not Alter The Cardiac Output. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S313.	0.4	0
134	Linear relation between time constant of O2 uptake kinetics and total creatine in vitro. <i>FASEB Journal</i> , 2006, 20, A893.	0.5	0
135	Effect of Work Rate on Muscle StO2 Kinetics in Peripheral Arterial Disease. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S223-S224.	0.4	0
136	Insulin Sensitivity and Endothelial Function in College-Age Subjects with Family History of Type 2 Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S572.	0.4	0
137	Heterogeneity of Muscle Deoxygenation Kinetics During Repeated Bouts of Heavy Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S358.	0.4	0
138	The Effects of N-Acetylcysteine on Respiratory Muscle Fatigue During Heavy Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S304.	0.4	0
139	Predicting â€œNear Linearâ€œVO2 Responses Via Integration With Variable Parameters. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 97.	0.4	0
140	Skeletal Muscle Microvascular Alterations Concomitant with Insulin Resistance, in Normoglycemic College-age Subjects.. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 659.	0.4	0
141	Effect of Beetroot Juice Supplementation on Conduit Artery and Microvascular Hemodynamics During Small Muscle Mass Handgrip Exercise. <i>FASEB Journal</i> , 2015, 29, 994.9.	0.5	0
142	The Effect of N-Acetylcysteine on Peripheral Hemodynamics and Fatigue during Exercise. <i>FASEB Journal</i> , 2015, 29, 994.10.	0.5	0
143	Beetroot Supplementation and Small Muscle Mass Handgrip Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 192.	0.4	0
144	Effect of Puberty on Gas Exchange Threshold in Untrained Boys and Girls. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 459.	0.4	0

#	ARTICLE	IF	CITATIONS
145	Oxygen Uptake during Three Varying Duration High-Intensity Functional Training Sessions. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 635.	0.4	0
146	Perfusive and Diffusive Microvascular Oxygen Delivery During Simulated Hypovolemia and Dynamic Forearm Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 543.	0.4	0
147	Oxygen Utilization During The Contraction-relaxation Of Isometric Knee Extension Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 302-302.	0.4	0
148	Effects of Passive Heating on Perfusive and Diffusive Microvascular Oxygen Delivery. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 564-564.	0.4	0
149	Effects of Caffeine on Exercise Duration, Critical Velocity, and Ratings of Perceived Exertion During Repeated-Sprint Exercise in Physically Active Men. <i>International Journal of Exercise Science</i> , 2021, 14, 435-445.	0.5	0