

# Thomas J Barstow

## List of Publications by Citations

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134  
papers

5,751  
citations

42  
h-index

72  
g-index

150  
ext. papers

6,243  
ext. citations

2.8  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
134	The level and tempo of children's physical activities: an observational study. <i>Medicine and Science in Sports and Exercise</i> , <b>1995</b> , 27, 1033-41	1.2	572
133	Influence of muscle fiber type and pedal frequency on oxygen uptake kinetics of heavy exercise. <i>Journal of Applied Physiology</i> , <b>1996</b> , 81, 1642-50	3.7	350
132	Low intensity exercise training in patients with chronic heart failure. <i>Journal of the American College of Cardiology</i> , <b>1995</b> , 26, 975-82	15.1	244
131	Oxygen uptake kinetics in treadmill running and cycle ergometry: a comparison. <i>Journal of Applied Physiology</i> , <b>2000</b> , 89, 899-907	3.7	182
130	Effects of hypoxic hypoxia on O <sub>2</sub> uptake and heart rate kinetics during heavy exercise. <i>Journal of Applied Physiology</i> , <b>1996</b> , 81, 2500-8	3.7	149
129	Control of oxygen uptake during exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 462-74	1.2	148
128	The slow component of O <sub>2</sub> uptake is not accompanied by changes in muscle EMG during repeated bouts of heavy exercise in humans. <i>Journal of Physiology</i> , <b>2001</b> , 531, 245-56	3.9	140
127	Spatial heterogeneity of quadriceps muscle deoxygenation kinetics during cycle exercise. <i>Journal of Applied Physiology</i> , <b>2007</b> , 103, 2049-56	3.7	139
126	Muscle capillary blood flow kinetics estimated from pulmonary O <sub>2</sub> uptake and near-infrared spectroscopy. <i>Journal of Applied Physiology</i> , <b>2005</b> , 98, 1820-8	3.7	133
125	Dynamics of oxygen uptake following exercise onset in rat skeletal muscle. <i>Respiratory Physiology and Neurobiology</i> , <b>2002</b> , 133, 229-39	2.8	116
124	Kinetics of oxygen uptake during supine and upright heavy exercise. <i>Journal of Applied Physiology</i> , <b>1999</b> , 87, 253-60	3.7	99
123	Understanding near infrared spectroscopy and its application to skeletal muscle research. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 1360-1376	3.7	98
122	Effect of increased muscle temperature on oxygen uptake kinetics during exercise. <i>Journal of Applied Physiology</i> , <b>1997</b> , 83, 1333-8	3.7	95
121	Abnormal dynamic cardiorespiratory responses to exercise in pediatric patients after Fontan procedure. <i>Journal of the American College of Cardiology</i> , <b>1998</b> , 31, 668-73	15.1	91
120	Dynamics of noninvasively estimated microvascular O <sub>2</sub> extraction during ramp exercise. <i>Journal of Applied Physiology</i> , <b>2007</b> , 103, 1999-2004	3.7	90
119	Effect of work rate on the functional 'gain' of Phase II pulmonary O <sub>2</sub> uptake response to exercise. <i>Respiratory Physiology and Neurobiology</i> , <b>2004</b> , 142, 211-23	2.8	89
118	Effect of endurance training on oxygen uptake kinetics during treadmill running. <i>Journal of Applied Physiology</i> , <b>2000</b> , 89, 1744-52	3.7	88

117	Estimated contribution of hemoglobin and myoglobin to near infrared spectroscopy. <i>Respiratory Physiology and Neurobiology</i> , <b>2013</b> , 186, 180-7	2.8	82
116	Oxygen uptake kinetics for moderate exercise are speeded in older humans by prior heavy exercise. <i>Journal of Applied Physiology</i> , <b>2002</b> , 92, 609-16	3.7	81
115	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> , <b>2004</b> , 97, 1227-36	3.7	80
114	The effect of exercise intensity on lipid peroxidation. <i>Medicine and Science in Sports and Exercise</i> , <b>1997</b> , 29, 1036-9	1.2	78
113	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> , <b>1999</b> , 80, 22-7		76
112	Physiologic responses during functional electrical stimulation leg cycling and hybrid exercise in spinal cord injured subjects. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>1997</b> , 78, 712-8	2.8	74
111	Effect of contraction frequency on leg blood flow during knee extension exercise in humans. <i>Journal of Applied Physiology</i> , <b>2001</b> , 91, 671-9	3.7	74
110	The relationship between muscle deoxygenation and activation in different muscles of the quadriceps during cycle ramp exercise. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 1259-65	3.7	71
109	Human femoral artery and estimated muscle capillary blood flow kinetics following the onset of exercise. <i>Experimental Physiology</i> , <b>2006</b> , 91, 661-71	2.4	71
108	Human critical power-oxygen uptake relationship at different pedalling frequencies. <i>Experimental Physiology</i> , <b>2006</b> , 91, 621-32	2.4	70
107	Effects of assuming constant optical scattering on measurements of muscle oxygenation by near-infrared spectroscopy during exercise. <i>Journal of Applied Physiology</i> , <b>2007</b> , 102, 358-67	3.7	66
106	Pattern of deoxy[Hb+Mb] during ramp cycle exercise: influence of aerobic fitness status. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 105, 851-9	3.4	61
105	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> , <b>2005</b> , 147, 91-103	2.8	55
104	O <sub>2</sub> uptake kinetics during exercise at peak O <sub>2</sub> uptake. <i>Journal of Applied Physiology</i> , <b>2003</b> , 95, 2014-22	3.7	55
103	Muscle contraction-blood flow interactions during upright knee extension exercise in humans. <i>Journal of Applied Physiology</i> , <b>2005</b> , 98, 1575-83	3.7	55
102	Muscle deoxygenation in the quadriceps during ramp incremental cycling: Deep vs. superficial heterogeneity. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 1313-9	3.7	51
101	Kinetics of muscle deoxygenation and microvascular PO <sub>2</sub> during contractions in rat: comparison of optical spectroscopy and phosphorescence-quenching techniques. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 26-32	3.7	51
100	O <sub>2</sub> uptake kinetics in response to exercise. A measure of tissue anaerobiosis in heart failure. <i>Chest</i> , <b>1993</b> , 103, 735-41	5.3	50

99	Influence of Muscle Fibre Type and Fitness on the Oxygen Uptake/Power Output Slope During Incremental Exercise in Humans. <i>Experimental Physiology</i> , <b>2000</b> , 85, 109-116	2.4	47
98	Spectral and bout detection analysis of physical activity patterns in healthy, prepubertal boys and girls. <i>American Journal of Human Biology</i> , <b>1998</b> , 10, 289-297	2.7	46
97	Relationship between the curvature constant parameter of the power-duration curve and muscle cross-sectional area of the thigh for cycle ergometry in humans. <i>European Journal of Applied Physiology</i> , <b>2002</b> , 87, 238-44	3.4	46
96	Influence of duty cycle on the power-duration relationship: observations and potential mechanisms. <i>Respiratory Physiology and Neurobiology</i> , <b>2014</b> , 192, 102-11	2.8	45
95	Effect of exercise training on energy expenditure, muscle volume, and maximal oxygen uptake in female adolescents. <i>Journal of Pediatrics</i> , <b>1996</b> , 129, 537-43	3.6	44
94	Validation of a high-power, time-resolved, near-infrared spectroscopy system for measurement of superficial and deep muscle deoxygenation during exercise. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 1435-42	3.7	43
93	Effects of pedal frequency on estimated muscle microvascular O <sub>2</sub> extraction. <i>European Journal of Applied Physiology</i> , <b>2006</b> , 96, 558-63	3.4	43
92	Skeletal muscle StO <sub>2</sub> kinetics are slowed during low work rate calf exercise in peripheral arterial disease. <i>European Journal of Applied Physiology</i> , <b>2007</b> , 100, 143-51	3.4	42
91	The final frontier: oxygen flux into muscle at exercise onset. <i>Exercise and Sport Sciences Reviews</i> , <b>2007</b> , 35, 166-73	6.7	42
90	Are obese children truly unfit? Minimizing the confounding effect of body size on the exercise response. <i>Journal of Pediatrics</i> , <b>1990</b> , 116, 223-30	3.6	42
89	Effects of N-acetylcysteine on respiratory muscle fatigue during heavy exercise. <i>Respiratory Physiology and Neurobiology</i> , <b>2009</b> , 165, 67-72	2.8	40
88	A single test for the determination of parameters of the speed-time relationship for running. <i>Respiratory Physiology and Neurobiology</i> , <b>2013</b> , 185, 380-5	2.8	37
87	EMG and oxygen uptake responses during slow and fast ramp exercise in humans. <i>Experimental Physiology</i> , <b>2002</b> , 87, 91-100	2.4	37
86	Kinetics of estimated human muscle capillary blood flow during recovery from exercise. <i>Experimental Physiology</i> , <b>2005</b> , 90, 715-26	2.4	36
85	Sex differences in the cardiovascular consequences of the inspiratory muscle metaboreflex. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 311, R574-81	3.2	35
84	The interrelationship between muscle oxygenation, muscle activation, and pulmonary oxygen uptake to incremental ramp exercise: influence of aerobic fitness. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2016</b> , 41, 55-62	3	35
83	Greater $\dot{V}O_{2peak}$ is correlated with greater skeletal muscle deoxygenation amplitude and hemoglobin concentration within individual muscles during ramp-incremental cycle exercise. <i>Physiological Reports</i> , <b>2016</b> , 4, e13065	2.6	34
82	Effects of oral N-acetylcysteine on fatigue, critical power, and W' in exercising humans. <i>Respiratory Physiology and Neurobiology</i> , <b>2011</b> , 178, 261-8	2.8	34

81	Effect of exercise protocol on deoxy[Hb + Mb]: incremental step versus ramp exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 935-42	1.2	33
80	Peak and kinetic cardiorespiratory responses during arm and leg exercise in patients with spinal cord injury. <i>Spinal Cord</i> , <b>2000</b> , 38, 340-5	2.7	32
79	Changes in gas exchange kinetics with training in patients with spinal cord injury. <i>Medicine and Science in Sports and Exercise</i> , <b>1996</b> , 28, 1221-8	1.2	32
78	Peak oxygen uptake, muscle volume, and the growth hormone-insulin-like growth factor-I axis in adolescent males. <i>Medicine and Science in Sports and Exercise</i> , <b>1998</b> , 30, 512-7	1.2	32
77	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> , <b>2015</b> , 115, 335-43	3.4	31
76	Characterizing near-infrared spectroscopy responses to forearm post-occlusive reactive hyperemia in healthy subjects. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 2753-61	3.4	31
75	Effects of malate, lactate, and pyruvate on myoglobin redox stability in homogenates of three bovine muscles. <i>Meat Science</i> , <b>2010</b> , 86, 304-10	6.4	31
74	Pulmonary VO <sub>2</sub> dynamics during treadmill and arm exercise in peripheral arterial disease. <i>Journal of Applied Physiology</i> , <b>2004</b> , 97, 627-34	3.7	30
73	Dynamics of skeletal muscle oxygenation during sequential bouts of moderate exercise. <i>Experimental Physiology</i> , <b>2005</b> , 90, 393-401	2.4	28
72	Influence of peak VO <sub>2</sub> and muscle fiber type on the efficiency of moderate exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2002</b> , 34, 1279-87	1.2	28
71	Effect of adipose tissue thickness, muscle site, and sex on near-infrared spectroscopy derived total-[hemoglobin + myoglobin]. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 1571-1578	3.7	27
70	Reply to Quaresima and Ferrari. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 372-373	3.7	27
69	Effect of muscle mass on V(O <sub>2</sub> ) kinetics at the onset of work. <i>Journal of Applied Physiology</i> , <b>2001</b> , 90, 461-8	3.7	26
68	The impact of pedal rate on muscle oxygenation, muscle activation and whole-body VO <sub>2</sub> during ramp exercise in healthy subjects. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 57-70	3.4	25
67	VO <sub>2</sub> max and Microgravity Exposure: Convective versus Diffusive O <sub>2</sub> Transport. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 1351-61	1.2	25
66	Near-infrared spectroscopy of superficial and deep rectus femoris reveals markedly different exercise response to superficial vastus lateralis. <i>Physiological Reports</i> , <b>2017</b> , 5, e13402	2.6	22
65	Clarifying the equation for modeling of VO <sub>2</sub> kinetics above the lactate threshold. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 1283-4	3.7	22
64	Effect of hypoxia on ventilatory control during exercise in children and adults. <i>Pediatric Research</i> , <b>1989</b> , 25, 285-90	3.2	22

63	Muscle microvascular hemoglobin concentration and oxygenation within the contraction-relaxation cycle. <i>Respiratory Physiology and Neurobiology</i> , <b>2008</b> , 160, 131-8	2.8	21
62	Incidence Rate of Cardiovascular Disease End Points in the National Aeronautics and Space Administration Astronaut Corps. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	20
61	Cardiovascular consequences of the inspiratory muscle metaboreflex: effects of age and sex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H1013-H1020	5.2	19
60	Influence of exercise intensity on respiratory muscle fatigue and brachial artery blood flow during cycling exercise. <i>European Journal of Applied Physiology</i> , <b>2014</b> , 114, 1767-77	3.4	19
59	Myoglobin redox form stabilization by compartmentalized lactate and malate dehydrogenases. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 7021-9	5.7	19
58	Effects of ozone on lung and somatic growth. Pair fed rats after ozone exposure and recovery periods. <i>Toxicology</i> , <b>1987</b> , 46, 1-20	4.4	19
57	The noninvasive simultaneous measurement of tissue oxygenation and microvascular hemodynamics during incremental handgrip exercise. <i>Journal of Applied Physiology</i> , <b>2018</b> , 124, 604-614	3.7	18
56	Relationship between brachial artery blood flow and total [hemoglobin+myoglobin] during post-occlusive reactive hyperemia. <i>Microvascular Research</i> , <b>2014</b> , 91, 37-43	3.7	17
55	Constructing quasi-linear V O <sub>2</sub> responses from nonlinear parameters. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 121-9	3.7	16
54	Reduction of V O <sub>2</sub> slow component by priming exercise: novel mechanistic insights from time-resolved near-infrared spectroscopy. <i>Physiological Reports</i> , <b>2015</b> , 3, e12432	2.6	15
53	Effect of dietary nitrate supplementation on conduit artery blood flow, muscle oxygenation, and metabolic rate during handgrip exercise. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 254-262	3.7	14
52	Influence of priming exercise on muscle deoxy[Hb + Mb] during ramp cycle exercise. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 1143-52	3.4	14
51	Frequency-domain characteristics and filtering of blood flow following the onset of exercise: implications for kinetics analysis. <i>Journal of Applied Physiology</i> , <b>2006</b> , 100, 817-25	3.7	13
50	Influence of Muscle Fibre Type and Fitness on the Oxygen Uptake/Power Output Slope During Incremental Exercise in Humans <b>2000</b> , 85, 109		13
49	W' expenditure and reconstitution during severe intensity constant power exercise: mechanistic insight into the determinants of W'. <i>Physiological Reports</i> , <b>2016</b> , 4, e12856	2.6	13
48	Unaltered V o 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> , <b>2019</b> , 317, R203-R213	3.2	11
47	The critical power concept in all-out isokinetic exercise. <i>Journal of Science and Medicine in Sport</i> , <b>2014</b> , 17, 640-4	4.4	11
46	Kinetics of myoglobin redox form stabilization by malate dehydrogenase. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 6994-7000	5.7	11

45	Matching of blood flow to metabolic rate during recovery from moderate exercise in humans. <i>Experimental Physiology</i> , <b>2008</b> , 93, 1118-25	2.4	11
44	Microvascular blood flow during vascular occlusion tests assessed by diffuse correlation spectroscopy. <i>Experimental Physiology</i> , <b>2020</b> , 105, 201-210	2.4	11
43	Relationship between simulated extravehicular activity tasks and measurements of physical performance. <i>Respiratory Physiology and Neurobiology</i> , <b>2014</b> , 203, 19-27	2.8	10
42	Influence of pedal cadence on the respiratory compensation point and its relation to critical power. <i>Respiratory Physiology and Neurobiology</i> , <b>2015</b> , 208, 1-7	2.8	10
41	Effects of fibre orientation, myoglobin redox form, and postmortem storage on NIR tissue oximeter measurements of beef longissimus muscle. <i>Meat Science</i> , <b>2010</b> , 84, 79-85	6.4	10
40	Effect of acute bicarbonate administration on exercise responses of COPD patients. <i>Medicine and Science in Sports and Exercise</i> , <b>1997</b> , 29, 725-32	1.2	10
39	Acute supplementation of N-acetylcysteine does not affect muscle blood flow and oxygenation characteristics during handgrip exercise. <i>Physiological Reports</i> , <b>2016</b> , 4, e12748	2.6	10
38	Reduced insulin sensitivity in young, normoglycaemic subjects alters microvascular tissue oxygenation during postocclusive reactive hyperaemia. <i>Experimental Physiology</i> , <b>2019</b> , 104, 967-974	2.4	9
37	Near-infrared oximetry of three post-rigor skeletal muscles for following myoglobin redox forms. <i>Food Chemistry</i> , <b>2010</b> , 123, 456-464	8.5	9
36	Limb blood flow and muscle oxygenation responses during handgrip exercise above vs. below critical force. <i>Microvascular Research</i> , <b>2020</b> , 131, 104002	3.7	8
35	Impact of supine exercise on muscle deoxygenation kinetics heterogeneity: mechanistic insights into slow pulmonary oxygen uptake dynamics. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 535-546	3.7	8
34	Impact of supine versus upright exercise on muscle deoxygenation heterogeneity during ramp incremental cycling is site specific. <i>European Journal of Applied Physiology</i> , <b>2021</b> , 121, 1283-1296	3.4	8
33	Effect of assuming constant tissue scattering on measured tissue oxygenation values during tissue ischemia and vascular reperfusion. <i>Journal of Applied Physiology</i> , <b>2019</b> , 127, 22-30	3.7	7
32	Considerations for Identifying the Boundaries of Sustainable Performance. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 1997	1.2	7
31	Forearm muscle oxygenation responses during and following arterial occlusion in patients with mitochondrial myopathy. <i>Respiratory Physiology and Neurobiology</i> , <b>2014</b> , 190, 70-5	2.8	7
30	Effect of cyclooxygenase inhibition on the inspiratory muscle metaboreflex-induced cardiovascular consequences in men. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 197-204	3.7	6
29	Effect of differential muscle activation patterns on muscle deoxygenation and microvascular haemoglobin regulation. <i>Experimental Physiology</i> , <b>2020</b> , 105, 531-541	2.4	6
28	Effects of body posture and exercise training on cardiorespiratory responses to exercise. <i>Respiratory Physiology and Neurobiology</i> , <b>2013</b> , 188, 39-48	2.8	6

27	The effect of resting blood flow occlusion on exercise tolerance and W'. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 309, R684-91	3.2	6
26	The critical power framework provides novel insights into fatigue mechanisms. <i>Exercise and Sport Sciences Reviews</i> , <b>2015</b> , 43, 65-6	6.7	5
25	Prediction of Lunar- and Martian-Based Intra- and Site-to-Site Task Performance. <i>Aerospace Medicine and Human Performance</i> , <b>2016</b> , 87, 367-74	1.1	5
24	Upper Body Aerobic Exercise as a Possible Predictor of Lower Body Performance. <i>Aerospace Medicine and Human Performance</i> , <b>2015</b> , 86, 599-605	1.1	5
23	Increase in bicarbonate stores with exercise. <i>Respiration Physiology</i> , <b>1992</b> , 87, 231-42		5
22	Influence of blood flow occlusion on muscular recruitment and fatigue during maximal-effort small muscle-mass exercise. <i>Journal of Physiology</i> , <b>2020</b> , 598, 4293-4306	3.9	5
21	Prediction of Planetary Mission Task Performance for Long-Duration Spaceflight. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 1662-1670	1.2	5
20	Insulin resistance and metabolic syndrome criteria in lean, normoglycemic college-age subjects. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , <b>2018</b> , 12, 609-616	8.9	4
19	Exercise tolerance through severe and extreme intensity domains. <i>Physiological Reports</i> , <b>2019</b> , 7, e14014	4.6	3
18	Commentary on viewpoint: the human cutaneous circulation as a model of generalized microvascular function. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 376; author reply 389	3.7	3
17	Standardized Exercise Tests and Simulated Terrestrial Mission Task Performance. <i>Aerospace Medicine and Human Performance</i> , <b>2015</b> , 86, 982-9	1.1	3
16	Discrepancy between femoral and capillary blood flow kinetics during knee extension exercise. <i>Respiratory Physiology and Neurobiology</i> , <b>2015</b> , 219, 69-77	2.8	2
15	Effect of priming exercise and body position on pulmonary oxygen uptake and muscle deoxygenation kinetics during cycle exercise. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 810-822	3.7	2
14	Prediction of Emergency Capsule Egress Performance. <i>Aerospace Medicine and Human Performance</i> , <b>2019</b> , 90, 782-787	1.1	1
13	Biomedical sensing and wireless technologies for long duration EVAs and precursor scout missions <b>2014</b> ,		1
12	The First Twenty Exercise Training Program and Fire Academy Recruits[Fitness and Health. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1055	1.2	1
11	Post-occlusive reactive hyperemia and skeletal muscle capillary hemodynamics. <i>Microvascular Research</i> , <b>2021</b> , 140, 104283	3.7	1
10	Influence of Ischemia on Peripheral and Central Fatigue During Handgrip Exercise. <i>FASEB Journal</i> , <b>2015</b> , 29, 824.19	0.9	1



9	Dissociation between exercise intensity thresholds: mechanistic insights from supine exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 321, R712-R722	3.2	1
8	Influence of muscular contraction on vascular conductance during exercise above versus below critical power. <i>Respiratory Physiology and Neurobiology</i> , <b>2021</b> , 293, 103718	2.8	0
7	The acute effects of passive heating on endothelial function, muscle microvascular oxygen delivery, and expression of serum HSP90. <i>Microvascular Research</i> , <b>2022</b> , 104356	3.7	0
6	Swinging into action: the role of angular motion to increase peripheral arterial blood pressure. <i>Acta Physiologica</i> , <b>2009</b> , 195, 303	5.6	
5	Kinetics of restoration of arteriolar tone after exercise. <i>Journal of Applied Physiology</i> , <b>2005</b> , 99, 775	3.7	
4	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> , <b>2021</b> , 14, 435-445	1.3	
3	Linear relation between time constant of O <sub>2</sub> uptake kinetics and total creatine in vitro. <i>FASEB Journal</i> , <b>2006</b> , 20, A893	0.9	
2	Effect of Beetroot Juice Supplementation on Conduit Artery and Microvascular Hemodynamics During Small Muscle Mass Handgrip Exercise. <i>FASEB Journal</i> , <b>2015</b> , 29, 994.9	0.9	
1	The Effect of N-acetylcysteine on Peripheral Hemodynamics and Fatigue during Exercise. <i>FASEB Journal</i> , <b>2015</b> , 29, 994.10	0.9	