

Thomas J Barstow

List of Publications by Year in descending order

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149
papers

6,995
citations

66250

44
h-index

71088

80
g-index

150
all docs

150
docs citations

150
times ranked

4639
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.	0.2	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.	1.2	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.	1.2	283
4	Understanding near infrared spectroscopy and its application to skeletal muscle research. <i>Journal of Applied Physiology</i> , 2019, 126, 1360-1376.	1.2	227
5	Oxygen uptake kinetics in treadmill running and cycle ergometry: a comparison. <i>Journal of Applied Physiology</i> , 2000, 89, 899-907.	1.2	202
6	Control of Oxygen Uptake during Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 462-474.	0.2	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.	1.2	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.	1.3	161
9	Spatial heterogeneity of quadriceps muscle deoxygenation kinetics during cycle exercise. <i>Journal of Applied Physiology</i> , 2007, 103, 2049-2056.	1.2	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.	1.2	148
11	Dynamics of oxygen uptake following exercise onset in rat skeletal muscle. <i>Respiratory Physiology and Neurobiology</i> , 2002, 133, 229-239.	0.7	125
12	Effect of increased muscle temperature on oxygen uptake kinetics during exercise. <i>Journal of Applied Physiology</i> , 1997, 83, 1333-1338.	1.2	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.	0.7	109
14	The effect of exercise intensity on lipid peroxidation. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 1036-1039.	0.2	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.	1.2	106
16	Kinetics of oxygen uptake during supine and upright heavy exercise. <i>Journal of Applied Physiology</i> , 1999, 87, 253-260.	1.2	104
17	Effect of endurance training on oxygen uptake kinetics during treadmill running. <i>Journal of Applied Physiology</i> , 2000, 89, 1744-1752.	1.2	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.	1.2	102

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19	Estimated contribution of hemoglobin and myoglobin to near infrared spectroscopy. <i>Respiratory Physiology and Neurobiology</i> , 2013, 186, 180-187.	0.7	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.	0.5	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 ₂ uptake kinetics following the onset of perimaximal exercise. <i>Journal of Applied Physiology</i> , 2004, 97, 1227-1236.	1.2	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.	1.2	85
24	Human critical power-oxygen uptake relationship at different pedalling frequencies. <i>Experimental Physiology</i> , 2006, 91, 621-632.	0.9	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.	0.9	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.	1.2	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.	1.2	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.	1.2	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.	0.9	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.	1.2	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.	1.2	61
33	O ₂ uptake kinetics during exercise at peak O ₂ uptake. <i>Journal of Applied Physiology</i> , 2003, 95, 2014-2022.	1.2	60
34	Muscle blood flow-O ₂ uptake interaction and their relation to on-exercise dynamics of O ₂ exchange. <i>Respiratory Physiology and Neurobiology</i> , 2005, 147, 91-103.	0.7	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.	1.2	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.	0.9	57

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37	O ₂ Uptake Kinetics in Response to Exercise. <i>Chest</i> , 1993, 103, 735-741.	0.4	56
38	Influence of duty cycle on the power-duration relationship: Observations and potential mechanisms. <i>Respiratory Physiology and Neurobiology</i> , 2014, 192, 102-111.	0.7	56
39	Kinetics of muscle deoxygenation and microvascular P _{o₂} during contractions in rat: comparison of optical spectroscopy and phosphorescence-quenching techniques. <i>Journal of Applied Physiology</i> , 2012, 112, 26-32.	1.2	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. <i>European Journal of Applied Physiology</i> , 2002, 87, 238-244.	1.2	54
41	Are obese children truly unfit? Minimizing the confounding effect of body size on the exercise response. <i>Journal of Pediatrics</i> , 1990, 116, 223-230.	0.9	49
42	Skeletal muscle StO ₂ kinetics are slowed during low work rate calf exercise in peripheral arterial disease. <i>European Journal of Applied Physiology</i> , 2007, 100, 143-151.	1.2	48
43	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> , 2015, 118, 1435-1442.	1.2	48
44	Effect of adipose tissue thickness, muscle site, and sex on near-infrared spectroscopy derived total-[hemoglobin + myoglobin]. <i>Journal of Applied Physiology</i> , 2017, 123, 1571-1578.	1.2	48
45	The Final Frontier. <i>Exercise and Sport Sciences Reviews</i> , 2007, 35, 166-173.	1.6	46
46	Sex differences in the cardiovascular consequences of the inspiratory muscle metaboreflex. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R574-R581.	0.9	46
47	Effects of N-acetylcysteine on respiratory muscle fatigue during heavy exercise. <i>Respiratory Physiology and Neurobiology</i> , 2009, 165, 67-72.	0.7	45
48	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> , 2016, 41, 55-62.	0.9	45
49	Changes in gas exchange kinetics with training in patients with spinal cord injury. <i>Medicine and Science in Sports and Exercise</i> , 1996, 28, 1221-1228.	0.2	45
50	Effects of pedal frequency on estimated muscle microvascular O ₂ extraction. <i>European Journal of Applied Physiology</i> , 2006, 96, 558-563.	1.2	43
51	A single test for the determination of parameters of the speed-time relationship for running. <i>Respiratory Physiology and Neurobiology</i> , 2013, 185, 380-385.	0.7	43
52	Kinetics of estimated human muscle capillary blood flow during recovery from exercise. <i>Experimental Physiology</i> , 2005, 90, 715-726.	0.9	42
53	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> , 1998, 30, 512-517.	0.2	42
54	EMG and Oxygen Uptake Responses During Slow and Fast Ramp Exercise in Humans. <i>Experimental Physiology</i> , 2002, 87, 91-100.	0.9	41

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55	Greater $\dot{V}iO_2$ 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.	0.7	41
56	Effect of Exercise Protocol on Deoxy[Hb + Mb]. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 935-942.	0.2	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.	1.2	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.	0.9	37
59	Pulmonary $\dot{V}iO_2$ dynamics during treadmill and arm exercise in peripheral arterial disease. <i>Journal of Applied Physiology</i> , 2004, 97, 627-634.	1.2	37
60	Effects of oral N-acetylcysteine on fatigue, critical power, and $\dot{V}iO_2$ in exercising humans. <i>Respiratory Physiology and Neurobiology</i> , 2011, 178, 261-268.	0.7	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.	2.7	35
62	Influence of peak $\dot{V}iO_2$ and muscle fiber type on the efficiency of moderate exercise. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 1279-1287.	0.2	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.	1.2	33
64	$\dot{V}E^{TM}O_2$ max and Microgravity Exposure. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1351-1361.	0.2	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.	1.1	31
66	Dynamics of skeletal muscle oxygenation during sequential bouts of moderate exercise. <i>Experimental Physiology</i> , 2005, 90, 393-401.	0.9	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, .	1.6	30
68	Effect of muscle mass on $\dot{V}E^{TM}O_2$ kinetics at the onset of work. <i>Journal of Applied Physiology</i> , 2001, 90, 461-468.	1.2	29
69	The impact of pedal rate on muscle oxygenation, muscle activation and whole-body $\dot{V}O_2$ during ramp exercise in healthy subjects. <i>European Journal of Applied Physiology</i> , 2015, 115, 57-70.	1.2	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.	1.5	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.	1.2	28
72	Reply to Quaresima and Ferrari. <i>Journal of Applied Physiology</i> , 2009, 107, 372-373.	1.2	27

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73	Myoglobin Redox Form Stabilization by Compartmentalized Lactate and Malate Dehydrogenases. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7021-7029.	2.4	26
74	Clarifying the equation for modeling of \dot{V}_{O_2} kinetics above the lactate threshold. <i>Journal of Applied Physiology</i> , 2010, 109, 1283-1284.	1.2	25
75	Near-infrared spectroscopy of superficial and deep rectus femoris reveals markedly different exercise response to superficial vastus lateralis. <i>Physiological Reports</i> , 2017, 5, e13402.	0.7	25
76	Effect of Hypoxia on Ventilatory Control during Exercise in Children and Adults. <i>Pediatric Research</i> , 1989, 25, 285-290.	1.1	24
77	Muscle microvascular hemoglobin concentration and oxygenation within the contraction-relaxation cycle. <i>Respiratory Physiology and Neurobiology</i> , 2008, 160, 131-138.	0.7	24
78	The noninvasive simultaneous measurement of tissue oxygenation and microvascular hemodynamics during incremental handgrip exercise. <i>Journal of Applied Physiology</i> , 2018, 124, 604-614.	1.2	24
79	Effects of ozone on lung and somatic growth. Pair fed rats after ozone exposure and recovery periods. <i>Toxicology</i> , 1987, 46, 1-20.	2.0	23
80	Reduction of \dot{V}_{O_2} slow component by priming exercise: novel mechanistic insights from time-resolved near-infrared spectroscopy. <i>Physiological Reports</i> , 2015, 3, e12432.	0.7	23
81	Limb blood flow and muscle oxygenation responses during handgrip exercise above vs. below critical force. <i>Microvascular Research</i> , 2020, 131, 104002.	1.1	23
82	Constructing quasi-linear \dot{V}_{O_2} responses from nonlinear parameters. <i>Journal of Applied Physiology</i> , 2016, 120, 121-129.	1.2	21
83	Influence of exercise intensity on respiratory muscle fatigue and brachial artery blood flow during cycling exercise. <i>European Journal of Applied Physiology</i> , 2014, 114, 1767-1777.	1.2	20
84	The critical power concept in all-out isokinetic exercise. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 640-644.	0.6	19
85	Influence of priming exercise on muscle deoxy[Hb+Mb] during ramp cycle exercise. <i>European Journal of Applied Physiology</i> , 2012, 112, 1143-1152.	1.2	18
86	Influence of blood flow occlusion on muscular recruitment and fatigue during maximal-effort small muscle-mass exercise. <i>Journal of Physiology</i> , 2020, 598, 4293-4306.	1.3	18
87	Frequency-domain characteristics and filtering of blood flow following the onset of exercise: implications for kinetics analysis. <i>Journal of Applied Physiology</i> , 2006, 100, 817-825.	1.2	16
88	Near-infrared oximetry of three post-rigor skeletal muscles for following myoglobin redox forms. <i>Food Chemistry</i> , 2010, 123, 456-464.	4.2	16
89	Microvascular blood flow during vascular occlusion tests assessed by diffuse correlation spectroscopy. <i>Experimental Physiology</i> , 2020, 105, 201-210.	0.9	16
90	Kinetics of Myoglobin Redox Form Stabilization by Malate Dehydrogenase. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 6994-7000.	2.4	15

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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.	0.7	15
92	Influence of Muscle Fibre Type and Fitness on the Oxygen Uptake/Power Output Slope During Incremental Exercise in Humans. , 2000, 85, 109.		15
93	Matching of blood flow to metabolic rate during recovery from moderate exercise in humans. <i>Experimental Physiology</i> , 2008, 93, 1118-1125.	0.9	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.	2.7	14
95	Relationship between simulated extravehicular activity tasks and measurements of physical performance. <i>Respiratory Physiology and Neurobiology</i> , 2014, 203, 19-27.	0.7	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.	0.9	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.	1.2	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.	0.7	13
99	Unaltered \dot{V}_{O_2} 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.	0.9	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.	0.2	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.	1.2	12
102	Acute supplementation of <i>N</i> -acetylcysteine does not affect muscle blood flow and oxygenation characteristics during handgrip exercise. <i>Physiological Reports</i> , 2016, 4, e12748.	0.7	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.	1.2	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.	0.2	11
105	Effect of differential muscle activation patterns on muscle deoxygenation and microvascular haemoglobin regulation. <i>Experimental Physiology</i> , 2020, 105, 531-541.	0.9	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.	0.7	9
107	Exercise tolerance through severe and extreme intensity domains. <i>Physiological Reports</i> , 2019, 7, e14014.	0.7	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.	0.2	7

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109	Considerations for Identifying the Boundaries of Sustainable Performance. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1997.	0.2	7
110	The effect of resting blood flow occlusion on exercise tolerance and \dot{V}_{O_2} . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R684-R691.	0.9	7
111	Increase in bicarbonate stores with exercise. <i>Respiration Physiology</i> , 1992, 87, 231-242.	2.8	6
112	Effects of body posture and exercise training on cardiorespiratory responses to exercise. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 39-48.	0.7	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.	0.2	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.	1.2	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.	0.7	6
116	The Critical Power Framework Provides Novel Insights Into Fatigue Mechanisms. <i>Exercise and Sport Sciences Reviews</i> , 2015, 43, 65-66.	1.6	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.	1.2	5
118	Post-occlusive reactive hyperemia and skeletal muscle capillary hemodynamics. <i>Microvascular Research</i> , 2022, 140, 104283.	1.1	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.	1.2	4
120	Discrepancy between femoral and capillary blood flow kinetics during knee extension exercise. <i>Respiratory Physiology and Neurobiology</i> , 2015, 219, 69-77.	0.7	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.	1.8	4
122	Prediction of Emergency Capsule Egress Performance. <i>Aerospace Medicine and Human Performance</i> , 2019, 90, 782-787.	0.2	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.	0.9	4
124	Standardized Exercise Tests and Simulated Terrestrial Mission Task Performance. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 982-989.	0.2	4
125	The acute effects of passive heating on endothelial function, muscle microvascular oxygen delivery, and expression of serum HSP90 α . <i>Microvascular Research</i> , 2022, 142, 104356.	1.1	4
126	Biomedical sensing and wireless technologies for long duration EVAs and precursor scout missions. , 2014, , .		2

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127	The First Twenty Exercise Training Program and Fire Academy Recruits's™ Fitness and Health. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1055.	0.2	1
128	Influence of Ischemia on Peripheral and Central Fatigue During Handgrip Exercise. <i>FASEB Journal</i> , 2015, 29, 824.19.	0.2	1
129	Kinetics of restoration of arteriolar tone after exercise.. <i>Journal of Applied Physiology</i> , 2005, 99, 775-775.	1.2	0
130	Swinging into action: the role of angular motion to increase peripheral arterial blood pressure. <i>Acta Physiologica</i> , 2009, 195, 303-303.	1.8	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.	0.2	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.	0.2	0
133	Pedal Frequency Does Not Alter The Cardiac Output. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S313.	0.2	0
134	Linear relation between time constant of O2 uptake kinetics and total creatine in vitro. <i>FASEB Journal</i> , 2006, 20, A893.	0.2	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.	0.2	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.	0.2	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.	0.2	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.	0.2	0
139	Predicting "Near Linear" VO2 Responses Via Integration With Variable Parameters. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 97.	0.2	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.	0.2	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.	0.2	0
142	The Effect of N-Acetylcysteine on Peripheral Hemodynamics and Fatigue during Exercise. <i>FASEB Journal</i> , 2015, 29, 994.10.	0.2	0
143	Beetroot Supplementation and Small Muscle Mass Handgrip Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 192.	0.2	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.	0.2	0

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145	Oxygen Uptake during Three Varying Duration High-Intensity Functional Training Sessions. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 635.	0.2	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.	0.2	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.	0.2	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.	0.2	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