

# Harry B Rossiter

## List of Publications by Year in descending order

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Version: 2024-02-01

221  
papers

8,790  
citations

47006

47  
h-index

48315

88  
g-index

225  
all docs

225  
docs citations

225  
times ranked

7991  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alpha-1 Antitrypsin MZ Heterozygosity Is an Endotype of Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 313-323.	5.6	21
2	A randomized, crossover, placebo controlled, double-blind trial of the effects of tiotropium-olodaterol on neuromuscular performance during exercise in COPD. <i>Journal of Applied Physiology</i> , 2022, 132, 1145-1153.	2.5	2
3	Chronotropic index during 6-minute walk and acute respiratory events in COPD. <i>Gene. Respiratory Medicine</i> , 2022, 194, 106775.	2.9	0
4	Response. <i>Exercise and Sport Sciences Reviews</i> , 2022, 50, 105-106.	3.0	0
5	Peripheral venous pressure changes during exercise are associated with adverse Fontan outcomes. <i>Heart</i> , 2021, 107, 983-988.	2.9	9
6	Factors determining training-induced changes in $\dot{V}_{I\text{O}_2\text{max}}$ , critical power, and $\dot{V}_{I\text{O}_2}$ on-kinetics in skeletal muscle. <i>Journal of Applied Physiology</i> , 2021, 130, 498-507.	2.5	19
7	The anaerobic threshold: 50+ years of controversy. <i>Journal of Physiology</i> , 2021, 599, 737-767.	2.9	156
8	Reply from David Poole, Harry Rossiter, George Brooks and L. Bruce Gladden. <i>Journal of Physiology</i> , 2021, 599, 1715-1716.	2.9	0
9	Dynamic exercise changes in venous pressure and liver stiffness in Fontan patients: effects of Treprostinil. <i>Cardiology in the Young</i> , 2021, 31, 1283-1289.	0.8	1
10	Reply from George A. Brooks, Harry B. Rossiter, David C. Poole and L. Bruce Gladden. <i>Journal of Physiology</i> , 2021, 599, 1711-1712.	2.9	0
11	Power Reserve at Intolerance in Ramp-Incremental Exercise Is Dependent on Incrementation Rate. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1606-1614.	0.4	4
12	The effect of long-acting dual bronchodilator therapy on exercise tolerance, dynamic hyperinflation, and dead space during constant work rate exercise in COPD. <i>Journal of Applied Physiology</i> , 2021, 130, 2009-2018.	2.5	4
13	The "Anaerobic Threshold" Concept Is Valid in Physiology and Medicine. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1089-1092.	0.4	3
14	The relationship between the time constant of $\dot{V}_{I\text{O}_2}$ kinetics and $\dot{V}_{I\text{O}_2\text{max}}$ is hyperbolic. <i>European Journal of Applied Physiology</i> , 2021, 121, 2653-2654.	2.5	1
15	Distinct glycolytic pathway regulation in liver, tumour and skeletal muscle of mice with cancer cachexia. <i>Cell Biochemistry and Function</i> , 2021, 39, 802-812.	2.9	6
16	Objectively Measured Physical Activity as a COPD Clinical Trial Outcome. <i>Chest</i> , 2021, 160, 2080-2100.	0.8	17
17	Dynamic airway function during exercise in COPD assessed via impulse oscillometry before and after inhaled bronchodilators. <i>Journal of Applied Physiology</i> , 2021, 131, 326-338.	2.5	2
18	Bioenergetic Mechanisms Linking $\dot{V}_{E\text{TM}O_2}$ Kinetics and Exercise Tolerance. <i>Exercise and Sport Sciences Reviews</i> , 2021, 49, 274-283.	3.0	24

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19	Identifying a Heart Rate Recovery Criterion After a 6-Minute Walk Test in COPD. <i>International Journal of COPD</i> , 2021, Volume 16, 2545-2560.	2.3	6
20	Genetic variation in genes regulating skeletal muscle regeneration and tissue remodelling associated with weight loss in chronic obstructive pulmonary disease. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1803-1817.	7.3	11
21	Transcutaneous PCO <sub>2</sub> for Exercise Gas Exchange Efficiency in Chronic Obstructive Pulmonary Disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2021, 18, 16-25.	1.6	9
22	HEART RATE VARIABILITY ON 10-SECOND ECG AND RISK OF ACUTE EXACERBATIONS OF COPD: A SECONDARY ANALYSIS OF BLOCK COPD. <i>Chest</i> , 2021, 160, A1773-A1775.	0.8	0
23	Serum Acylglycerols Inversely Associate with Muscle Oxidative Capacity in Severe COPD. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 10-18.	0.4	3
24	Disease Progression Modeling in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 294-302.	5.6	56
25	The Unique Clinical Phenotype and Exercise Adaptation of Fontan Patients With Normal Exercise Capacity. <i>Canadian Journal of Cardiology</i> , 2020, 36, 1499-1507.	1.7	18
26	&lt;p&gt;Serum Amyloid A in Stable COPD Patients is Associated with the Frequent Exacerbator Phenotype&lt;/p&gt;. <i>International Journal of COPD</i> , 2020, Volume 15, 2379-2388.	2.3	8
27	SARS-CoV-2 RapidPlex: A Graphene-Based Multiplexed Telemedicine Platform for Rapid and Low-Cost COVID-19 Diagnosis and Monitoring. <i>Matter</i> , 2020, 3, 1981-1998.	10.0	347
28	Muscle Oxidative Capacity Is Reduced in Both Upper and Lower Limbs in COPD. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2061-2068.	0.4	18
29	Serum Amyloid A (SAA) in Stable COPD Patients Is Associated with the Frequent Exacerbator Phenotype. , 2020, , .		0
30	Exceeding a "critical" muscle Pi: implications for $\dot{V}_{O_2}$ and metabolite slow components, muscle fatigue and the power-duration relationship. <i>European Journal of Applied Physiology</i> , 2020, 120, 1609-1619.	2.5	21
31	Hepatic proteome analysis reveals altered mitochondrial metabolism and suppressed acyl-CoA synthetase-1 in colon-26 tumor-induced cachexia. <i>Physiological Genomics</i> , 2020, 52, 203-216.	2.3	16
32	A Risk Prediction Model for Mortality Among Smokers in the COPD Gene® Study. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2020, 7, 346-361.	0.7	9
33	Contrasting Patterns Of Respiratory And Locomotor Muscle Deoxygenation And Total Hemoglobin During Incremental Ramp Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 208-208.	0.4	0
34	Relationships among muscle oxidative capacity, coronary artery calcium, and hepatic steatosis in COPD: A pilot study. , 2020, , .		0
35	Serum Acylglyceride Metabolites are Negatively Associated with Muscle Oxidative Capacity, but Not with Physical Activity, in Severe COPD. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
36	A Randomized, Placebo Controlled, Double-blind, Crossover Trial of the Effect of Stiolto Respimat on Neuromuscular Performance During Cycling in COPD. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0

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37	Longitudinal follow-up of older former smokers reveals rapid decline in muscle oxidative capacity and physical activity. , 2020, , .		0
38	Bronchodilator acutely reduces expiratory flow limitation during exercise in COPD demonstrated by dynamic hyperinflation, flow-volume curve analysis and impulse oscillometry. , 2020, , .		0
39	Optimizing baseline constant work rate exercise test duration for COPD bronchodilator studies. , 2020, , .		0
40	Identifying a criterion heart rate recovery after 6 minute walk in COPD. , 2020, , .		0
41	COPD attenuates NK and TReg cell mobilization following high-intensity interval exercise. , 2020, , .		0
42	A New Bronchodilator Response Grading Strategy Identifies Distinct Patient Populations. Annals of the American Thoracic Society, 2019, 16, 1504-1517.	3.2	21
43	Editorial overview: Exercise physiology. Current Opinion in Physiology, 2019, 10, iii-vi.	1.8	0
44	BREATH BY BREATH DEAD SPACE TO TIDAL VOLUME RATIO CALCULATION USING VOLUMETRIC CAPNOGRAPHY DURING EXERCISE TO ASSESS THE EFFECT OF GLYCOPYRROLATE/FORMOTEROL VS PLACEBO ON GAS EXCHANGE EFFICIENCY IN COPD. Chest, 2019, 156, A157-A158.	0.8	0
45	Speeding of oxygen uptake kinetics is not different following lowâ€intensity bloodâ€flowâ€restricted and highâ€intensity interval training. Experimental Physiology, 2019, 104, 1858-1867.	2.0	10
46	A Randomized, Double-Blind, Placebo-Controlled, Crossover Study to Assess the Effect of Reldesemtiv on Exercise Tolerance in Subjects with Chronic Obstructive Pulmonary Disease. , 2019, , .		2
47	Influence of Spirometric Impairment on Improvement in Constant Work Rate Cycling Endurance in COPD Patients: Differences in Response to Bronchodilator Therapy and Exercise Training. , 2019, , .		1
48	Unaltered $\dot{V}_{I2}$ kinetics despite greater muscle oxygenation during heavy-intensity two-legged knee extension versus cycle exercise in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R203-R213.	1.8	13
49	Tissue-specific dysregulation of mitochondrial respiratory capacity and coupling control in colon-26 tumor-induced cachexia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R68-R82.	1.8	31
50	Combined Forced Expiratory Volume in 1 Second and Forced Vital Capacity Bronchodilator Response, Exacerbations, and Mortality in Chronic Obstructive Pulmonary Disease. Annals of the American Thoracic Society, 2019, 16, 826-835.	3.2	41
51	Reply: Carbon Dioxide Narcosis or Sleep Deprivation?. Annals of the American Thoracic Society, 2019, 16, 778-778.	3.2	0
52	Muscle Oxidative Capacity Is Negatively Associated with Plasma Acylglyceride Metabolites in Severe COPD. , 2019, , .		0
53	Dichotomy In The Mechanism Of Ramp-incremental Exercise Intolerance In Chronic Heart Failure. Medicine and Science in Sports and Exercise, 2019, 51, 293-293.	0.4	0
54	The Coupling of Internal and External Gas Exchange During Exercise. , 2019, , 217-249.		1

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55	A Pickwickian Problem: How Is Breathing Controlled?. <i>Annals of the American Thoracic Society</i> , 2019, 16, 138-143.	3.2	2
56	Predictors of low endurance time in constant work rate cycle testing in COPD. , 2019, , .		1
57	Bronchodilation increases exercise endurance in COPD patients with sustained concavity in the spontaneous expiratory flow volume loop. , 2019, , .		1
58	COPDGene <sup>®</sup> 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2019, 6, 384-399.	0.7	112
59	A randomized trial to determine the effect of glycopyrrolate/formoterol on exercise tolerance in COPD: influence of dynamic hyperinflation and dead space ventilation. , 2019, , .		0
60	Exercise normalizes alveolar exosomes in smoke-exposed mice. , 2019, , .		0
61	Slow $V_{O_2}$ kinetics in acute hypoxia are not related to a hyperventilation-induced hypocapnia. <i>Respiratory Physiology and Neurobiology</i> , 2018, 251, 41-49.	1.6	6
62	Effect of tiotropium on spontaneous expiratory flow-volume curves during exercise in GOLD 1-2 COPD. <i>Respiratory Physiology and Neurobiology</i> , 2018, 251, 8-15.	1.6	8
63	Exercise ventilatory irregularity can be quantified by approximate entropy to detect breathing pattern disorder. <i>Respiratory Physiology and Neurobiology</i> , 2018, 255, 1-6.	1.6	24
64	Blood eosinophil count thresholds and exacerbations in patients with chronic obstructive pulmonary disease. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 2037-2047.e10.	2.9	138
65	Reliability and Physiological Interpretation of Pulmonary Gas Exchange by Circulatory Equivalents in Chronic Heart Failure. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	4
66	Principles, insights, and potential pitfalls of the noninvasive determination of muscle oxidative capacity by near-infrared spectroscopy. <i>Journal of Applied Physiology</i> , 2018, 124, 245-248.	2.5	38
67	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. <i>Chest</i> , 2018, 153, 65-76.	0.8	36
68	A NIRS death experience: a reduction in cortical oxygenation by time-resolved near-infrared spectroscopy preceding cardiac arrest. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 683-686.	1.6	4
69	Mechanisms underlying extremely fast muscle $V_{O_2}$ kinetics in humans. <i>Physiological Reports</i> , 2018, 6, e13808.	1.7	6
70	Last Word on Viewpoint: Principles, insights, and potential pitfalls of the noninvasive determination of muscle oxidative capacity by near-infrared spectroscopy. <i>Journal of Applied Physiology</i> , 2018, 124, 256-256.	2.5	1
71	Genetic variants predicting aerobic capacity response to training are also associated with skeletal muscle oxidative capacity in moderate-to-severe COPD. <i>Physiological Genomics</i> , 2018, 50, 688-690.	2.3	6
72	Commentaries on Viewpoint: $V_{O_2}$ peak is an acceptable estimate of cardiorespiratory fitness but not $V_{O_2}$ max. <i>Journal of Applied Physiology</i> , 2018, 125, 233-240.	2.5	12

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73	Sex-specific effects of maternal and postweaning high-fat diet on skeletal muscle mitochondrial respiration. <i>Journal of Developmental Origins of Health and Disease</i> , 2018, 9, 670-677.	1.4	26
74	Longitudinal Phenotypes and Mortality in Preserved Ratio Impaired Spirometry in the COPD Gene Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1397-1405.	5.6	132
75	Data collection, handling, and fitting strategies to optimize accuracy and precision of oxygen uptake kinetics estimation from breath-by-breath measurements. <i>Journal of Applied Physiology</i> , 2017, 123, 227-242.	2.5	38
76	Reply to Francescato et al.: Interpreting the averaging methods to estimate oxygen uptake kinetics parameters. <i>Journal of Applied Physiology</i> , 2017, 123, 1019-1019.	2.5	1
77	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.	1.7	25
78	Promoting Drp1-mediated mitochondrial fission in midlife prolongs healthy lifespan of <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2017, 8, 448.	12.8	209
79	Dissociating external power from intramuscular exercise intensity during intermittent bilateral knee extension in humans. <i>Journal of Physiology</i> , 2017, 595, 6673-6686.	2.9	26
80	Muscle Oxidative Capacity Is Low In The Upper And Lower Limbs Of COPD Patients. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1045.	0.4	1
81	Giants in Chest Medicine. <i>Chest</i> , 2017, 151, 1209-1212.	0.8	0
82	High Intensity Interval Training (HIT) Increases Muscle Deoxygenation During Ramp Incremental Exercise.. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 636.	0.4	0
83	Sex-Based Genetic Association Study Identifies <i>CELSR1</i> as a Possible Chronic Obstructive Pulmonary Disease Risk Locus among Women. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 332-341.	2.9	28
84	Physiological responses to interval endurance exercise at different levels of blood flow restriction. <i>European Journal of Applied Physiology</i> , 2017, 117, 39-52.	2.5	40
85	Reproducibility of NIRS assessment of muscle oxidative capacity in smokers with and without COPD. <i>Respiratory Physiology and Neurobiology</i> , 2017, 235, 18-26.	1.6	37
86	Effect of heavy-intensity "priming" exercise on oxygen uptake and muscle deoxygenation kinetics during moderate-intensity step-transitions initiated from an elevated work rate. <i>Respiratory Physiology and Neurobiology</i> , 2017, 235, 62-70.	1.6	4
87	Hormesis, mithridatism and Paracelsus: A little oxidative stress goes a long way. <i>Hypertension Research</i> , 2017, 40, 29-30.	2.7	3
88	Muscle Deoxygenation during Incremental Exercise is Delayed in Children Compared to Young Adults. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 640-641.	0.4	2
89	Genetic variants predicting the response to endurance exercise training are also associated with skeletal muscle oxidative capacity in COPD. , 2017, , .		0
90	Smoking does not impair locomotor muscle oxidative capacity in humans with normal spirometry. , 2017, , .		0

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91	Greater Vo <sub>2</sub> peak Is Associated With Deoxygenation Amplitude, But Not Deoxygenation Kinetics, Across The Active Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 14.	0.4	0
92	The influence of metabolic and circulatory heterogeneity on the expression of pulmonary oxygen uptake kinetics in humans. <i>Experimental Physiology</i> , 2016, 101, 176-192.	2.0	36
93	Skeletal muscle power and fatigue at the tolerable limit of ramp-incremental exercise in COPD. <i>Journal of Applied Physiology</i> , 2016, 121, 1365-1373.	2.5	21
94	Impaired Lung Mitochondrial Respiration Following Perinatal Nicotine Exposure in Rats. <i>Lung</i> , 2016, 194, 325-328.	3.3	4
95	Critical Power. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2320-2334.	0.4	335
96	Power-Velocity and Power-Efficiency Implications in the Limitation of Ramp Incremental Cycle Ergometry: Reply to Morales-Alamo et al.. <i>Journal of Applied Physiology</i> , 2016, 120, 477-477.	2.5	5
97	The effects of neoadjuvant chemoradiotherapy and an in-hospital exercise training programme on physical fitness and quality of life in locally advanced rectal cancer patients (The EMPOWER Trial): study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 24.	1.6	17
98	Exercise-Induced Systemic Venous Hypertension in the Fontan Circulation. <i>American Journal of Cardiology</i> , 2016, 117, 1667-1671.	1.6	44
99	A Novel Spirometric Measure Identifies Mild COPD Unidentified by Standard Criteria. <i>Chest</i> , 2016, 150, 1080-1090.	0.8	39
100	Exercise, ageing and the lung. <i>European Respiratory Journal</i> , 2016, 48, 1471-1486.	6.7	111
101	Greater $\dot{V}_{I\ddot{t}}$ 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
102	Selected Abstracts From Recent Publications in Cardiopulmonary Disease Prevention and Rehabilitation. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2016, 36, 209-213.	2.1	0
103	Biological quality control for cardiopulmonary exercise testing in multicenter clinical trials. <i>BMC Pulmonary Medicine</i> , 2016, 16, 13.	2.0	10
104	Risk factors for COPD exacerbations in inhaled medication users: the COPDGene study biannual longitudinal follow-up prospective cohort. <i>BMC Pulmonary Medicine</i> , 2016, 16, 28.	2.0	17
105	Use of exercise testing in the evaluation of interventional efficacy: an official ERS statement. <i>European Respiratory Journal</i> , 2016, 47, 429-460.	6.7	311
106	The Spatial Distribution of Absolute Skeletal Muscle Deoxygenation During Ramp-Incremental Exercise Is Not Influenced by Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2016, 876, 19-26.	1.6	3
107	No reserve in isokinetic cycling power at intolerance during ramp incremental exercise in endurance-trained men. <i>Journal of Applied Physiology</i> , 2016, 120, 70-77.	2.5	15
108	Association between Functional Small Airway Disease and FEV <sub>1</sub> Decline in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 178-184.	5.6	292

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109	Influence of muscle metabolic heterogeneity in determining the $\dot{V}_{O_2}$ kinetic response to ramp-incremental exercise. <i>Journal of Applied Physiology</i> , 2016, 120, 503-513.	2.5	37
110	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. <i>PLoS Genetics</i> , 2016, 12, e1006011.	3.5	88
111	Maternal Obesity Programs Offspring Muscle Mitochondrial Function. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 748.	0.4	1
112	Muscle Fatigue Does Not Limit Cycling Exercise Performance In Chronic Obstructive Pulmonary Disease. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 61.	0.4	0
113	Each step activation of oxidative phosphorylation is necessary to explain muscle metabolic kinetic responses to exercise and recovery in humans. <i>Journal of Physiology</i> , 2015, 593, 5255-5268.	2.9	41
114	Deconditioning Or Myopathy? Inactivity Is The Predominant Correlate Of Low Muscle Oxidative Capacity In COPD. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 723-724.	0.4	0
115	Contribution Of The Skeletal Muscle Pump To Blood Flow At The Onset Of Contractions. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 548.	0.4	0
116	Effects of Resistance Training on Skeletal Muscle Mitochondrial Oxidative Capacity in Sedentary, Obese Young Adults. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 412.	0.4	0
117	MRS Evidence of Adequate O <sub>2</sub> Supply in Human Skeletal Muscle at the Onset of Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2299-2307.	0.4	32
118	Response. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2481-2482.	0.4	0
119	Greater Absolute Deoxygenation In Deep Versus Superficial Quadriceps Muscles At Vo <sub>2</sub> max During Cycle Ergometry. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 365.	0.4	0
120	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
121	S49...Ventilatory irregularity quantified by approximate entropy identifies disordered breathing in patients with unexplained dyspnoea: Abstract S49 Table 1. <i>Thorax</i> , 2015, 70, A31.1-A31.	5.6	0
122	Instantaneous quantification of skeletal muscle activation, power production, and fatigue during cycle ergometry. <i>Journal of Applied Physiology</i> , 2015, 118, 646-654.	2.5	32
123	Changes in whole tissue heme concentration dissociates muscle deoxygenation from muscle oxygen extraction during passive head-up tilt. <i>Journal of Applied Physiology</i> , 2015, 118, 1091-1099.	2.5	24
124	Altered Breathing Syndrome in Heart Failure: Newer Insights and Treatment Options. <i>Current Heart Failure Reports</i> , 2015, 12, 158-165.	3.3	12
125	Clinical and Radiologic Disease in Smokers With Normal Spirometry. <i>JAMA Internal Medicine</i> , 2015, 175, 1539.	5.1	360
126	Differential regulation of perineuronal nets in the brain and spinal cord with exercise training. <i>Brain Research Bulletin</i> , 2015, 111, 20-26.	3.0	42



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127	Exercise oscillatory ventilation: Ventilationâ€“perfusion abnormality in heart failure. International Journal of Cardiology, 2015, 185, 55.	1.7	1
128	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
129	Skeletal Muscle Fatigue and Decreased Efficiency. Exercise and Sport Sciences Reviews, 2015, 43, 75-83.	3.0	178
130	Dissociation Between External Power And Muscle Metabolism During Intermittent Bilateral Knee-extensor Exercise. Medicine and Science in Sports and Exercise, 2015, 47, 221.	0.4	0
131	Skeletal muscle oxidative capacity is an independent predictor of physical activity in smokers with and without COPD. , 2015, , .		0
132	Selecting Constant Work Rates for Endurance Testing in COPD: The Role of the Power-Duration Relationship. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2014, 11, 131101114106009.	1.6	32
133	Adjustment of O <sub>2</sub> Uptake and Skeletal Muscle Metabolism during Exercise Transitions from Differing Metabolic Rates. Medicine and Science in Sports and Exercise, 2014, 46, 93.	0.4	0
134	Slowed muscle oxygen uptake kinetics with raised metabolism are not dependent on blood flow or recruitment dynamics. Journal of Physiology, 2014, 592, 1857-1871.	2.9	27
135	Dynamic Heterogeneity of Exercising Muscle Blood Flow and O <sub>2</sub> Utilization. Medicine and Science in Sports and Exercise, 2014, 46, 860-876.	0.4	115
136	Skeletal muscle ATP turnover by <sup>31</sup> P magnetic resonance spectroscopy during moderate and heavy bilateral knee extension. Journal of Physiology, 2014, 592, 5287-5300.	2.9	59
137	A â€“ramp-sprintâ€™ protocol to characterise indices of aerobic function and exercise intensity domains in a single laboratory test. European Journal of Applied Physiology, 2014, 114, 1863-1874.	2.5	23
138	Impaired lung mitochondrial oxidative capacity following perinatal nicotine exposure in rats (1159.2). FASEB Journal, 2014, 28, 1159.2.	0.5	0
139	A new method for instantaneous quantification of leg muscle fatigue during cycle ergometry (LB797). FASEB Journal, 2014, 28, LB797.	0.5	0
140	Optimising Oxygen Uptake Kinetic Fitting Methods in Healthy Humans Ranging in Anatomical and Physiological Characteristics. Medicine and Science in Sports and Exercise, 2014, 46, 93.	0.4	0
141	Relationships Among Muscle Deoxygenation, Total Heme Concentration by TRS-NIRS, and Blood Flow During Head-up Tilt. Medicine and Science in Sports and Exercise, 2014, 46, 747-748.	0.4	0
142	Skeletal muscle $\dot{V}_{O_2}$ kinetics from cardio-pulmonary measurements: assessing distortions through O <sub>2</sub> transport by means of stochastic work-rate signals and circulatory modelling. European Journal of Applied Physiology, 2013, 113, 1745-1754.	2.5	35
143	Professor Brian J. Whipp: an obituary. European Journal of Applied Physiology, 2013, 113, 1099-1100.	2.5	0
144	A validated model of oxygen uptake and circulatory dynamic interactions at exercise onset in humans. Journal of Applied Physiology, 2013, 115, 743-755.	2.5	43

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145	Increasing temperature speeds intracellular Po <sub>2</sub> kinetics during contractions in single <i>Xenopus</i> skeletal muscle fibers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R59-R66.	1.8	10
146	Muscle metabolism and activation heterogeneity by combined <sup>31</sup> P chemical shift and T <sub>2</sub> imaging, and pulmonary O <sub>2</sub> uptake during incremental knee-extensor exercise. <i>Journal of Applied Physiology</i> , 2013, 115, 839-849.	2.5	50
147	On-off asymmetries in oxygen consumption kinetics of single <i>Xenopus laevis</i> skeletal muscle fibres suggest higher-order control. <i>Journal of Physiology</i> , 2013, 591, 731-744.	2.9	40
148	Slowed oxygen uptake kinetics in hypoxia correlate with the transient peak and reduced spatial distribution of absolute skeletal muscle deoxygenation. <i>Experimental Physiology</i> , 2013, 98, 1585-1596.	2.0	53
149	Sinusoidal high-intensity exercise does not elicit ventilatory limitation in chronic obstructive pulmonary disease. <i>Experimental Physiology</i> , 2013, 98, 1102-1114.	2.0	18
150	An (un)paralleled process?. <i>Experimental Physiology</i> , 2013, 98, 881-881.	2.0	1
151	Regional skeletal muscle remodeling and mitochondrial dysfunction in right ventricular heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H402-H411.	3.2	43
152	The intramuscular contribution to the slow oxygen uptake kinetics during exercise in chronic heart failure is related to the severity of the condition. <i>Journal of Applied Physiology</i> , 2012, 112, 378-387.	2.5	33
153	A novel cardiopulmonary exercise test protocol and criterion to determine maximal oxygen uptake in chronic heart failure. <i>Journal of Applied Physiology</i> , 2012, 113, 451-458.	2.5	32
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