

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	The maximally attainable \dot{V}_{O_2} during exercise in humans: the peak vs. maximum issue. <i>Journal of Applied Physiology</i> , 2003, 95, 1901-1907.	2.5	390
2	Influence of exercise intensity on the on- and off-transient kinetics of pulmonary oxygen uptake in humans. <i>Journal of Physiology</i> , 2001, 533, 891-902.	2.9	369
3	Clinical and Radiologic Disease in Smokers With Normal Spirometry. <i>JAMA Internal Medicine</i> , 2015, 175, 1539.	5.1	360
4	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
5	Critical Power. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2320-2334.	0.4	335
6	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
7	Dynamic asymmetry of phosphocreatine concentration and O_2 uptake between the on- and off-transients of moderate- and high-intensity exercise in humans. <i>Journal of Physiology</i> , 2002, 541, 991-1002.	2.9	304
8	Association between Functional Small Airway Disease and FEV ₁ Decline in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 178-184.	5.6	292
9	Inferences from pulmonary O_2 uptake with respect to intramuscular [phosphocreatine] kinetics during moderate exercise in humans. <i>Journal of Physiology</i> , 1999, 518, 921-932.	2.9	253
10	A test to establish maximum O_2 uptake despite no plateau in the O_2 uptake response to ramp incremental exercise. <i>Journal of Applied Physiology</i> , 2006, 100, 764-770.	2.5	215
11	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
12	Lung-targeted VEGF inactivation leads to an emphysema phenotype in mice. <i>Journal of Applied Physiology</i> , 2004, 97, 1559-1566.	2.5	198
13	Skeletal Muscle Fatigue and Decreased Efficiency. <i>Exercise and Sport Sciences Reviews</i> , 2015, 43, 75-83.	3.0	178
14	Exercise: Kinetic Considerations for Gas Exchange. , 2011, 1, 203-244.		172
15	Effects of prior exercise on oxygen uptake and phosphocreatine kinetics during high-intensity knee-extension exercise in humans. <i>Journal of Physiology</i> , 2001, 537, 291-303.	2.9	167
16	The anaerobic threshold: 50+ years of controversy. <i>Journal of Physiology</i> , 2021, 599, 737-767.	2.9	156
17	Pulmonary O_2 uptake kinetics as a determinant of high-intensity exercise tolerance in humans. <i>Journal of Applied Physiology</i> , 2011, 110, 1598-1606.	2.5	151
18	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

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19	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
20	Dynamics of intramuscular ^{31}P -MRS peak splitting and the slow components of PCr and O_2 uptake during exercise. <i>Journal of Applied Physiology</i> , 2002, 93, 2059-2069.	2.5	122
21	Dynamic Heterogeneity of Exercising Muscle Blood Flow and O_2 Utilization. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 860-876.	0.4	115
22	Effect of recovery duration from prior exhaustive exercise on the parameters of the power-duration relationship. <i>Journal of Applied Physiology</i> , 2010, 108, 866-874.	2.5	113
23	COPD Gene [®] 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2019, 6, 384-399.	0.7	112
24	Exercise, ageing and the lung. <i>European Respiratory Journal</i> , 2016, 48, 1471-1486.	6.7	111
25	Exertional oxygen uptake kinetics: a stamen of stamina?. <i>Biochemical Society Transactions</i> , 2002, 30, 237-247.	3.4	104
26	Pulmonary O_2 Uptake during Exercise: Conflating Muscular and Cardiovascular Responses. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 1574-1585.	0.4	104
27	Effect of prior metabolic rate on the kinetics of oxygen uptake during moderate-intensity exercise. <i>European Journal of Applied Physiology</i> , 2001, 86, 125-134.	2.5	91
28	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. <i>PLoS Genetics</i> , 2016, 12, e1006011.	3.5	88
29	The effect of oral creatine supplementation on the 1000m performance of competitive rowers. <i>Journal of Sports Sciences</i> , 1996, 14, 175-179.	2.0	85
30	Skeletal muscle fatigue precedes the slow component of oxygen uptake kinetics during exercise in humans. <i>Journal of Physiology</i> , 2011, 589, 727-739.	2.9	85
31	Intensity-dependent tolerance to exercise after attaining $\dot{V}_{\text{O}_2\text{max}}$ in humans. <i>Journal of Applied Physiology</i> , 2003, 95, 483-490.	2.5	81
32	Effects of prior very-heavy intensity exercise on indices of aerobic function and high-intensity exercise tolerance. <i>Journal of Applied Physiology</i> , 2007, 103, 812-822.	2.5	75
33	Effects of dichloroacetate on \dot{V}_{O_2} and intramuscular ^{31}P metabolite kinetics during high-intensity exercise in humans. <i>Journal of Applied Physiology</i> , 2003, 95, 1105-1115.	2.5	74
34	Ventilatory Responses to Inhaled Carbon Dioxide, Hypoxia, and Exercise in Idiopathic Hyperventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 118-125.	5.6	74
35	The Effect of Resistive Breathing on Leg Muscle Oxygenation Using Near-Infrared Spectroscopy During Exercise in Men. <i>Experimental Physiology</i> , 2002, 87, 601-611.	2.0	70
36	Simultaneous determination of muscle ^{31}P and O_2 uptake kinetics during whole body NMR spectroscopy. <i>Journal of Applied Physiology</i> , 1999, 86, 742-747.	2.5	69

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37	Heavy and moderate interval exercise training alters low-flow-mediated constriction but does not increase circulating progenitor cells in healthy humans. <i>Experimental Physiology</i> , 2012, 97, 375-385.	2.0	66
38	Prior heavy exercise eliminates slow component and reduces efficiency during submaximal exercise in humans. <i>Journal of Physiology</i> , 2005, 564, 765-773.	2.9	62
39	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
40	Skeletal muscle ATP turnover by ³¹ P magnetic resonance spectroscopy during moderate and heavy bilateral knee extension. <i>Journal of Physiology</i> , 2014, 592, 5287-5300.	2.9	59
41	Thigh muscle activation distribution and pulmonary V̇O ₂ kinetics during moderate, heavy, and very heavy intensity cycling exercise in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R812-R820.	1.8	57
42	Kinetic control of oxygen consumption during contractions in self-perfused skeletal muscle. <i>Journal of Physiology</i> , 2011, 589, 3995-4009.	2.9	56
43	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
44	Human Exercise-Induced Circulating Progenitor Cell Mobilization Is Nitric Oxide-Dependent and Is Blunted in South Asian Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 878-884.	2.4	55
45	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
46	Intersample fluctuations in phosphocreatine concentration determined by ³¹ P magnetic resonance spectroscopy and parameter estimation of metabolic responses to exercise in humans. <i>Journal of Physiology</i> , 2000, 528, 359-369.	2.9	52
47	Muscle metabolism and activation heterogeneity by combined ³¹ P chemical shift and T ₂ imaging, and pulmonary O ₂ uptake during incremental knee-extensor exercise. <i>Journal of Applied Physiology</i> , 2013, 115, 839-849.	2.5	50
48	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.	2.5	48
49	Exercise-Induced Systemic Venous Hypertension in the Fontan Circulation. <i>American Journal of Cardiology</i> , 2016, 117, 1667-1671.	1.6	44
50	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
51	A validated model of oxygen uptake and circulatory dynamic interactions at exercise onset in humans. <i>Journal of Applied Physiology</i> , 2013, 115, 743-755.	2.5	43
52	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
53	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
54	Greater V̇O 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.	1.7	41

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55	Combined Forced Expiratory Volume in 1 Second and Forced Vital Capacity Bronchodilator Response, Exacerbations, and Mortality in Chronic Obstructive Pulmonary Disease. <i>Annals of the American Thoracic Society</i> , 2019, 16, 826-835.	3.2	41
56	Hyperventilation-induced hypocapnic alkalosis slows the adaptation of pulmonary O ₂ uptake during the transition to moderate-intensity exercise. <i>Journal of Physiology</i> , 2007, 583, 351-364.	2.9	40
57	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
58	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
59	A Novel Spirometric Measure Identifies Mild COPD Unidentified by Standard Criteria. <i>Chest</i> , 2016, 150, 1080-1090.	0.8	39
60	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
61	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
62	Kinetics of pulmonary $\dot{V}O_2$ and femoral artery blood flow and their relationship during repeated bouts of heavy exercise. <i>European Journal of Applied Physiology</i> , 2005, 95, 418-430.	2.5	37
63	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
64	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
65	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
66	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. <i>Chest</i> , 2018, 153, 65-76.	0.8	36
67	Age is no barrier to muscle structural, biochemical and angiogenic adaptations to training up to 24 months in female rats. <i>Journal of Physiology</i> , 2005, 565, 993-1005.	2.9	35
68	Skeletal muscle $\dot{V}O_2$ kinetics from cardio-pulmonary measurements: assessing distortions through O ₂ transport by means of stochastic work-rate signals and circulatory modelling. <i>European Journal of Applied Physiology</i> , 2013, 113, 1745-1754.	2.5	35
69	A raised metabolic rate slows pulmonary O ₂ uptake kinetics on transition to moderate-intensity exercise in humans independently of work rate. <i>Experimental Physiology</i> , 2011, 96, 1049-1061.	2.0	33
70	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
71	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
72	Selecting Constant Work Rates for Endurance Testing in COPD: The Role of the Power-Duration Relationship. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2014, 11, 131101114106009.	1.6	32

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73	MRS Evidence of Adequate O ₂ 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
74	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
75	Faster O ₂ uptake kinetics in canine skeletal muscle <i>in situ</i> after acute creatine kinase inhibition. <i>Journal of Physiology</i> , 2011, 589, 221-233.	2.9	31
76	Tissue-specific dysregulation of mitochondrial respiratory capacity and coupling control in colon-26 tumor-induced cachexia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R68-R82.	1.8	31
77	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
78	Slowed muscle oxygen uptake kinetics with raised metabolism are not dependent on blood flow or recruitment dynamics. <i>Journal of Physiology</i> , 2014, 592, 1857-1871.	2.9	27
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	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
81	Clarifying the equation for modeling of V _{O₂} kinetics above the lactate threshold. <i>Journal of Applied Physiology</i> , 2010, 109, 1283-1284.	2.5	25
82	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
83	Negative accumulated oxygen deficit during heavy and very heavy intensity cycle ergometry in humans. <i>European Journal of Applied Physiology</i> , 2003, 90, 185-190.	2.5	24
84	Behavioral Influences and Physiological Indices of Ventilatory Control in Subjects with Idiopathic Hyperventilation. <i>Behavior Modification</i> , 2003, 27, 637-652.	1.6	24
85	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
86	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
87	Bioenergetic Mechanisms Linking V _E ™O ₂ Kinetics and Exercise Tolerance. <i>Exercise and Sport Sciences Reviews</i> , 2021, 49, 274-283.	3.0	24
88	A "ramp-sprint" protocol to characterise indices of aerobic function and exercise intensity domains in a single laboratory test. <i>European Journal of Applied Physiology</i> , 2014, 114, 1863-1874.	2.5	23
89	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
90	A New Bronchodilator Response Grading Strategy Identifies Distinct Patient Populations. <i>Annals of the American Thoracic Society</i> , 2019, 16, 1504-1517.	3.2	21

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91	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
92	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
93	Effects of priming exercise intensity on the dynamic linearity of the pulmonary \dot{V}_{O_2} response during heavy exercise. <i>European Journal of Applied Physiology</i> , 2004, 91, 545-554.	2.5	19
94	Factors determining training-induced changes in $\dot{V}_{O_2\max}$, critical power, and \dot{V}_{O_2} on-kinetics in skeletal muscle. <i>Journal of Applied Physiology</i> , 2021, 130, 498-507.	2.5	19
95	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
96	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
97	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
98	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
99	Risk factors for COPD exacerbations in inhaled medication users: the COPD Gene study biannual longitudinal follow-up prospective cohort. <i>BMC Pulmonary Medicine</i> , 2016, 16, 28.	2.0	17
100	Objectively Measured Physical Activity as a COPD Clinical Trial Outcome. <i>Chest</i> , 2021, 160, 2080-2100.	0.8	17
101	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
102	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
103	High-Resolution Three-Dimensional Magnetic Resonance Imaging of Mouse Lung In Situ. <i>Investigative Radiology</i> , 2007, 42, 50-57.	6.2	14
104	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.	1.8	13
105	Facial cooling-induced bradycardia does not slow pulmonary \dot{V}_{O_2} kinetics at the onset of high-intensity exercise. <i>Journal of Applied Physiology</i> , 2003, 95, 1623-1631.	2.5	12
106	Altered Breathing Syndrome in Heart Failure: Newer Insights and Treatment Options. <i>Current Heart Failure Reports</i> , 2015, 12, 158-165.	3.3	12
107	Commentaries on Viewpoint: $\dot{V}_{O_2\text{peak}}$ is an acceptable estimate of cardiorespiratory fitness but not $\dot{V}_{O_2\text{max}}$. <i>Journal of Applied Physiology</i> , 2018, 125, 233-240.	2.5	12
108	Doxycycline treatment prevents alveolar destruction in VEGF-deficient mouse lung. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 525-535.	2.6	11

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109	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
110	Increasing temperature speeds intracellular Po ₂ 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
111	Biological quality control for cardiopulmonary exercise testing in multicenter clinical trials. <i>BMC Pulmonary Medicine</i> , 2016, 16, 13.	2.0	10
112	Speeding of oxygen uptake kinetics is not different following low-intensity blood-flow-restricted and high-intensity interval training. <i>Experimental Physiology</i> , 2019, 104, 1858-1867.	2.0	10
113	Oxygen uptake kinetics during incremental- and decremental-ramp cycle ergometry. <i>Journal of Sports Science and Medicine</i> , 2011, 10, 584-9.	1.6	10
114	Peripheral venous pressure changes during exercise are associated with adverse Fontan outcomes. <i>Heart</i> , 2021, 107, 983-988.	2.9	9
115	Transcutaneous PCO ₂ 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
116	A Risk Prediction Model for Mortality Among Smokers in the COPDGene [®] Study. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2020, 7, 346-361.	0.7	9
117	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
118	<p>Serum Amyloid A in Stable COPD Patients is Associated with the Frequent Exacerbator Phenotype</p>. <i>International Journal of COPD</i> , 2020, Volume 15, 2379-2388.	2.3	8
119	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
120	Mechanisms underlying extremely fast muscle $\dot{V}O_2$ -kinetics in humans. <i>Physiological Reports</i> , 2018, 6, e13808.	1.7	6
121	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
122	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
123	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
124	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
125	Impaired Lung Mitochondrial Respiration Following Perinatal Nicotine Exposure in Rats. <i>Lung</i> , 2016, 194, 325-328.	3.3	4
126	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

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127	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
128	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
129	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
130	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
131	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
132	Hormesis, mithridatism and Paracelsus: A little oxidative stress goes a long way. <i>Hypertension Research</i> , 2017, 40, 29-30.	2.7	3
133	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
134	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
135	Implications of rapid early oxygen consumption in exercising skeletal muscle: The empirical, the theoretical and the rational. <i>Journal of Physiology</i> , 2011, 589, 6245-6246.	2.9	2
136	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
137	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
138	A Pickwickian Problem: How Is Breathing Controlled?. <i>Annals of the American Thoracic Society</i> , 2019, 16, 138-143.	3.2	2
139	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
140	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
141	A Systems Model of the Effects of Pathological Alterations in Circulatory Dynamics on VO ₂ Kinetics. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 25.	0.4	1
142	An (un)paralleled process?. <i>Experimental Physiology</i> , 2013, 98, 881-881.	2.0	1
143	Exercise oscillatory ventilation: Ventilation"perfusion abnormality in heart failure. <i>International Journal of Cardiology</i> , 2015, 185, 55.	1.7	1
144	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

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145	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
146	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
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