Peter A Robbins

List of Publications by Year
in descending order

192 papers	7,759 citations	47 h-index	80 g-index
		47006	62596
197 all docs	197 docs citations	197 times ranked	8380 citing authors

#	Article	IF	Citations
1	Natural selection on EPAS1 (HIF2Î±) associated with low hemoglobin concentration in Tibetan highlanders. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11459-11464.	7.1	708
2	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders. Nature Genetics, 2015, 47, 717-726.	21.4	310
3	The human side of hypoxiaâ€inducible factor. British Journal of Haematology, 2008, 141, 325-334.	2.5	222
4	Genetic Signatures Reveal High-Altitude Adaptation in a Set of Ethiopian Populations. Molecular Biology and Evolution, 2013, 30, 1877-1888.	8.9	173
5	Cardiac ferroportin regulates cellular iron homeostasis and is important for cardiac function. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3164-3169.	7.1	173
6	Mutation of von Hippelâ€“Lindau Tumour Suppressor and Human Cardiopulmonary Physiology. PLoS Medicine, 2006, 3, e290.	8.4	163
7	Regulation of human metabolism by hypoxia-inducible factor. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12722-12727.	7.1	160
8	The IUPS human physiome project. Pflugers Archiv European Journal of Physiology, 2002, 445, 1-9.	2.8	159
9	Indexes of Flow and Cross-sectional Area of the Middle Cerebral Artery Using Doppler Ultrasound During Hypoxia and Hypercapnia in Humans. Stroke, 1996, 27, 2244-2250.	2.0	159
10	Effects of Iron Supplementation and Depletion on Hypoxic Pulmonary Hypertension. JAMA - Journal of the American Medical Association, 2009, 302, 1444.	7.4	155
11	Human pulmonary vascular response to 4 h of hypercapnia and hypocapnia measured using Doppler echocardiography. Journal of Applied Physiology, 2003, 94, 1543-1551.	2.5	152
12	An essential cell-autonomous role for hepcidin in cardiac iron homeostasis. ELife, 2016, 5, .	6.0	140
13	The increase in pulmonary arterial pressure caused by hypoxia depends on iron status. Journal of Physiology, 2008, 586, 5999-6005.	2.9	139
14	Nonlinear Modeling of the Dynamic Effects of Arterial Pressure and<tex>$rm CO_2$</tex>Variations on Cerebral Blood Flow in Healthy Humans. IEEE Transactions on Biomedical Engineering, 2004, 51, 1932-1943.	4.2	127
15	Non-contact measurement of oxygen saturation with an RGB camera. Biomedical Optics Express, 2015, 6, 3320.	2.9	125
16	Hypoxia-inducible factor 2Î± regulates key neutrophil functions in humans, mice, and zebrafish. Blood, 2014, 123, 366-376.	1.4	124
17	Genome-wide association of multiple complex traits in outbred mice by ultra-low-coverage sequencing. Nature Genetics, 2016, 48, 912-918.	21.4	124
18	Two temporal components within the human pulmonary vascular response to â¼2 h of isocapnic hypoxia. Journal of Applied Physiology, 2005, 98, 1125-1139.	2.5	117

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19	Dynamic Forcing of End-Tidal Carbon Dioxide and Oxygen Applied to Functional Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1521-1532.	4.3	114
20	Hypoxic depression of ventilation in humans: alternative models for the chemoreflexes. Respiration Physiology, 1990, 81, 117-134.	2.7	105
21	Shortâ€term consumption of a highâ€fat diet impairs wholeâ€body efficiency and cognitive function in sedentary men. FASEB Journal, 2011, 25, 1088-1096.	0.5	103
22	Tibetans living at sea level have a hyporesponsive hypoxia-inducible factor system and blunted physiological responses to hypoxia. Journal of Applied Physiology, 2014, 116, 893-904.	2.5	97
23	Effects of dopamine and domperidone on ventilatory sensitivity to hypoxia after 8 h of isocapnic hypoxia. Journal of Applied Physiology, 1999, 86, 222-229.	2.5	91
24	Human adaptation to the hypoxia of high altitude: the Tibetan paradigm from the pregenomic to the postgenomic era. Journal of Applied Physiology, 2014, 116, 875-884.	2.5	91
25	Evolutionary history of Tibetans inferred from whole-genome sequencing. PLoS Genetics, 2017, 13, e1006675.	3.5	89
26	Cardiopulmonary function in two human disorders of the hypoxiaâ€inducible factor (HIF) pathway: von Hippelâ€Lindau disease and HIFâ€2Î± gainâ€ofâ€function mutation. FASEB Journal, 2011, 25, 2001-2011.	0.5	86
27	Fast and slow components of cerebral blood flow response to step decreases in end-tidal P CO 2 in humans. Journal of Applied Physiology, 1998, 85, 388-397.	2.5	85
28	Relation between acute hypoxia and activation of coagulation in human beings. Lancet, The, 2003, 361, 2207-2208.	13.7	82
29	Clinical iron deficiency disturbs normal human responses to hypoxia. Journal of Clinical Investigation, 2016, 126, 2139-2150.	8.2	82
30	Regulation of hepcidin expression at high altitude. Blood, 2012, 119, 857-860.	1.4	80
31	Regulation of growth differentiation factor 15 expression by intracellular iron. Blood, 2009, 113, 1555-1563.	1.4	75
32	Changes in arterial plasma potassium and ventilation during exercise in man. Respiration Physiology, 1989, 78, 323-330.	2.7	74
33	Identification of fast and slow ventilatory responses to carbon dioxide under hypoxic and hyperoxic conditions in humans. Journal of Physiology, 1999, 521, 273-287.	2.9	73
34	Total Oxygen Uptake with Two Maximal Breathing Techniques and the Tidal Volume Breathing Technique. Anesthesiology, 2003, 99, 841-846.	2.5	69
35	Regulation of ventilatory sensitivity and carotid body proliferation in hypoxia by the PHD2/HIFâ€2 pathway. Journal of Physiology, 2016, 594, 1179-1195.	2.9	68
36	Gene panel sequencing improves the diagnostic work-up of patients with idiopathic erythrocytosis and identifies new mutations. Haematologica, 2016, 101, 1306-1318.	3.5	66

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37	Effects of different levels of end-tidal PO2 on ventilation during isocapnia in humans. Respiration Physiology, 1992, 88, 299-312.	2.7	65
38	Desferrioxamine elevates pulmonary vascular resistance in humans: potential for involvement of HIF-1. Journal of Applied Physiology, 2002, 92, 2501-2507.	2.5	64
39	Effects of desferrioxamine on serum erythropoietin and ventilatory sensitivity to hypoxia in humans. Journal of Applied Physiology, 2000, 89, 680-686.	2.5	63
40	Intracellular iron deficiency in pulmonary arterial smooth muscle cells induces pulmonary arterial hypertension in mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13122-13130.	7.1	63
41	The ventilatory effects of sustained isocapnic hypoxia during exercise in humans. Respiration Physiology, 1991, 86, 393-404.	2.7	59
42	Methodological and physiological variability within the ventilatory response to hypoxia in humans. Journal of Applied Physiology, 2000, 88, 1924-1932.	2.5	57
43	Lung Abnormalities Detected with Hyperpolarized ¹²⁹Xe MRI in Patients with Long COVID. Radiology, 2022, 305, 709-717.	7.3	57
44	On the pivotal role of PPARa in adaptation of the heart to hypoxia and why fat in the diet increases hypoxic injury. FASEB Journal, 2016, 30, 2684-2697.	0.5	54
45	Changes in peripheral chemoreflex sensitivity during sustained, isocapnic hypoxia. Respiration Physiology, 1990, 82, 161-176.	2.7	53
46	Carotid body hyperplasia and enhanced ventilatory responses to hypoxia in mice with heterozygous deficiency of PHD2. Journal of Physiology, 2013, 591, 3565-3577.	2.9	53
47	The Respiratory Response to Carbon Dioxide in Humans with Unilateral and Bilateral Resections of the Carotid Bodies. Journal of Physiology, 2003, 549, 965-973.	2.9	51
48	The Effect of High-Altitude on Human Skeletal Muscle Energetics: 31P-MRS Results from the Caudwell Xtreme Everest Expedition. PLoS ONE, 2010, 5, e10681.	2.5	50
49	A cross-sectional study of the prevalence and associations of iron deficiency in a cohort of patients with chronic obstructive pulmonary disease. BMJ Open, 2015, 5, e007911.	1.9	48
50	Changes in respiratory control during and after 48 h of isocapnic and poikilocapnic hypoxia in humans. Journal of Applied Physiology, 1998, 85, 2125-2134.	2.5	46
51	Changes in Cerebral Blood Flow During and After 48 H of Both Isocapnic and Poikilocapnic Hypoxia in Humans. Experimental Physiology, 2002, 87, 633-642.	2.0	45
52	Iron-deficiency anemia reduces cardiac contraction by downregulating RyR2 channels and suppressing SERCA pump activity. JCI Insight, 2019, 4, .	5.0	45
53	Assessments of flow by transcranial Doppler ultrasound in the middle cerebral artery during exercise in humans. Journal of Applied Physiology, 1999, 86, 1632-1637.	2.5	40
54	Role of the peripheral chemoreflex in the early stages of ventilatory acclimatization to altitude. Respiratory Physiology and Neurobiology, 2007, 158, 237-242.	1.6	40

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55	An assessment of central-peripheral ventilatory chemoreflex interaction in humans. Respiration Physiology, 1992, 88, 87-100.	2.7	38
56	In-airway molecular flow sensing: A new technology for continuous, noninvasive monitoring of oxygen consumption in critical care. Science Advances, 2016, 2, e1600560.	10.3	38
57	Variations within oxygen-regulated gene expression in humans. Journal of Applied Physiology, 2009, 106, 212-220.	2.5	37
58	Dynamics of the ventilatory response to hypoxia in humans. Respiration Physiology, 1993, 92, 253-275.	2.7	36
59	Normobaric hypoxia impairs human cardiac energetics. FASEB Journal, 2011, 25, 3130-3135.	0.5	36
60	A Learned Component of the Ventilatory Response to Exercise in Man. Journal of Physiology, 2003, 553, 967-974.	2.9	35
61	Erythrocytosis associated with a novel missense mutation in the BPGM gene. Haematologica, 2014, 99, e201-e204.	3.5	35
62	Effect of Pain and Audiovisual Stimulation on the Depression of Acute Hypoxic Ventilatory Response by Low-dose Halothane in Humans. Anesthesiology, 2004, 101, 1409-1416.	2.5	34
63	Human ventilatory response to CO2 after 8 h of isocapnic or poikilocapnic hypoxia. Journal of Applied Physiology, 1998, 85, 1922-1928.	2.5	33
64	Supplementation of Iron in Pulmonary Hypertension: Rationale and Design of a Phase II Clinical Trial in Idiopathic Pulmonary Arterial Hypertension. Pulmonary Circulation, 2013, 3, 100-107.	1.7	32
65	Marked and rapid effects of pharmacological HIF-2Î± antagonism on hypoxic ventilatory control. Journal of Clinical Investigation, 2020, 130, 2237-2251.	8.2	32
66	Effects of dopamine and domperidone on ventilation during isocapnic hypoxia in humans. Respiration Physiology, 1991, 85, 319-328.	2.7	31
67	Selected Contribution: Acute and sustained ventilatory responses to hypoxia in high-altitude natives living at sea level. Journal of Applied Physiology, 2003, 94, 1255-1262.	2.5	31
68	Selected Contribution: Peripheral chemoreflex function in high-altitude natives and patients with chronic mountain sickness. Journal of Applied Physiology, 2003, 94, 1269-1278.	2.5	31
69	Pulmonary Artery Pressure Increases During Commercial Air Travel in Healthy Passengers. Aviation, Space, and Environmental Medicine, 2012, 83, 673-676.	0.5	30
70	Potential for noninvasive assessment of lung inhomogeneity using highly precise, highly time-resolved measurements of gas exchange. Journal of Applied Physiology, 2018, 124, 615-631.	2.5	30
71	Statistical properties of breath-to-breath variations in ventilation at constant Pet CO2 and Pet O2 in humans. Journal of Applied Physiology, 1996, 81, 2274-2286.	2.5	29
72	Extent to which pulmonary vascular responses to P<scp>co</scp>₂ and P<scp>o</scp>₂ play a functional role within the healthy human lung. Journal of Applied Physiology, 2010, 108, 1084-1096.	2.5	29

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73	Genetic Variation in SENP1 and ANP32D as Predictors of Chronic Mountain Sickness. High Altitude Medicine and Biology, 2014, 15, 497-499.	0.9	28
74	Supplementation with Iron in Pulmonary Arterial Hypertension. Two Randomized Crossover Trials. Annals of the American Thoracic Society, 2021, 18, 981-988.	3.2	28
75	Evaluation of estimates of alveolar gas exchange by using a tidally ventilated nonhomogenous lung model. Journal of Applied Physiology, 1997, 82, 1963-1971.	2.5	27
76	Extended models of the ventilatory response to sustained isocapnic hypoxia in humans. Journal of Applied Physiology, 1997, 82, 667-677.	2.5	27
77	RF noise induced laser perturbation for improving the performance of non-resonant cavity enhanced absorption spectroscopy. Optics Express, 2014, 22, 17030.	3.4	26
78	The ventilatory response of the human respiratory system to sine waves of alveolar carbon dioxide and hypoxia.. Journal of Physiology, 1984, 350, 461-474.	2.9	25
79	Separating the direct effect of hypoxia from the indirect effect of changes in cardiac output on the maximum pressure difference across the tricuspid valve in healthy humans. Pflugers Archiv European Journal of Physiology, 2005, 450, 372-380.	2.8	25
80	A protocol for determining the shape of the ventilatory response to hypoxia in humans. Respiration Physiology, 1995, 101, 139-143.	2.7	24
81	Very mild exposure to hypoxia for 8 h can induce ventilatory acclimatization in humans. Pflugers Archiv European Journal of Physiology, 2001, 441, 840-843.	2.8	24
82	Selected Contribution: Ventilatory response to CO2 in high-altitude natives and patients with chronic mountain sickness. Journal of Applied Physiology, 2003, 94, 1279-1287.	2.5	24
83	Intravenous Iron Supplementation May Protect Against Acute Mountain Sickness: A Randomized, Double-Blinded, Placebo-Controlled Trial. High Altitude Medicine and Biology, 2011, 12, 265-269.	0.9	24
84	Fetal liver hepcidin secures iron stores in utero. Blood, 2020, 136, 1549-1557.	1.4	24
85	Selected Contribution: Chemoreflex responses to CO2 before and after an 8-h exposure to hypoxia in humans. Journal of Applied Physiology, 2001, 90, 1607-1614.	2.5	23
86	Elevation of iron storage in humans attenuates the pulmonary vascular response to hypoxia. Journal of Applied Physiology, 2016, 121, 537-544.	2.5	23
87	Effects of Germline VHL Deficiency on Growth, Metabolism, and Mitochondria. New England Journal of Medicine, 2020, 382, 835-844.	27.0	23
88	Ventilation and gas exchange during sustained exercise at normal and raised CO2 in man. Respiration Physiology, 1992, 88, 101-112.	2.7	22
89	Similar hypoxic ventilatory responses in sea-level natives and high-altitude Andean natives living at sea level. Journal of Applied Physiology, 1998, 84, 1024-1029.	2.5	22
90	Changes in respiratory control in humans induced by 8 h of hyperoxia. Journal of Applied Physiology, 2000, 89, 655-662.	2.5	22

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91	Iron, oxygen, and the pulmonary circulation. Journal of Applied Physiology, 2015, 119, 1421-1431.	2.5	22
92	Genetic structure in the Sherpa and neighboring Nepalese populations. BMC Genomics, 2017, 18, 102.	2.8	21
93	Measuring lung function in airways diseases: current and emerging techniques. Thorax, 2019, 74, 797-805.	5.6	21
94	Ventilatory acclimatization in response to very small changes in Po2 in humans. Journal of Applied Physiology, 2005, 98, 1587-1591.	2.5	20
95	Contrasting effects of ascorbate and iron on the pulmonary vascular response to hypoxia in humans. Physiological Reports, 2014, 2, e12220.	1.7	20
96	Determinants of ventilation and pulmonary artery pressure during early acclimatization to hypoxia in humans. Journal of Physiology, 2016, 594, 1197-1213.	2.9	19
97	The interplay between iron and oxygen homeostasis with a particular focus on the heart. Journal of Applied Physiology, 2017, 123, 967-973.	2.5	19
98	Effects of haloperidol on ventilation during isocapnic hypoxia in humans. Journal of Applied Physiology, 1997, 83, 1110-1115.	2.5	18
99	Respiratory control in humans after 8 h of lowered arterial P<scp>o</scp> ₂, hemodilution, or carboxyhemoglobinemia. Journal of Applied Physiology, 2001, 90, 1189-1195.	2.5	18
100	Lack of involvement of the autonomic nervous system in early ventilatory and pulmonary vascular acclimatization to hypoxia in humans. Journal of Physiology, 2007, 579, 215-225.	2.9	18
101	Dexamethasone mimics aspects of physiological acclimatization to 8 hours of hypoxia but suppresses plasma erythropoietin. Journal of Applied Physiology, 2013, 114, 948-956.	2.5	18
102	Variations in Alveolar Partial Pressure for Carbon Dioxide and Oxygen Have Additive Not Synergistic Acute Effects on Human Pulmonary Vasoconstriction. PLoS ONE, 2013, 8, e67886.	2.5	18
103	Nonlinear Modeling of the Dynamic Effects of Arterial Pressure and Blood Gas Variations on Cerebral Blood Flow in Healthy Humans. Advances in Experimental Medicine and Biology, 2004, 551, 259-265.	1.6	17
104	A mechanistic physicochemical model of carbon dioxide transport in blood. Journal of Applied Physiology, 2017, 122, 283-295.	2.5	17
105	Ventilatory responses to hypercapnia and hypoxia after 6 h passive hyperventilation in humans. Journal of Physiology, 1999, 514, 885-894.	2.9	16
106	The kidney hepcidin/ferroportin axis controls iron reabsorption and determines the magnitude of kidney and systemic iron overload. Kidney International, 2021, 100, 559-569.	5.2	16
107	Variability in End-Tidal PCO2 and Blood Gas Values in Humans. Experimental Physiology, 2003, 88, 603-610.	2.0	15
108	Respiratory effects in humans of a 5-day elevation of end-tidal PCO2 by 8 Torr. Journal of Applied Physiology, 2003, 95, 1947-1954.	2.5	15

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109	Mutation of the von Hippel-Lindau Gene Alters Human Cardiopulmonary Physiology. Advances in Experimental Medicine and Biology, 2008, 605, 51-56.	1.6	15
110	The von Hippel-Lindau Chuvash mutation in mice causes carotid-body hyperplasia and enhanced ventilatory sensitivity to hypoxia. Journal of Applied Physiology, 2014, 116, 885-892.	2.5	15
111	Suppression of plasma hepcidin by venesection during steady-state hypoxia. Blood, 2016, 127, 1206-1207.	1.4	15
112	Induced Disruption of the Iron-Regulatory Hormone Hepcidin Inhibits Acute Inflammatory Hypoferraemia. Journal of Innate Immunity, 2016, 8, 517-528.	3.8	15
113	Intravenous iron and chronic obstructive pulmonary disease: a randomised controlled trial. BMJ Open Respiratory Research, 2020, 7, e000577.	3.0	15
114	Alveolar P CO 2 and P O 2 of high-altitude natives living at sea level. Journal of Applied Physiology, 1996, 81, 1605-1609.	2.5	14
115	Human ventilatory response to 8 h of euoxic hypercapnia. Journal of Applied Physiology, 1998, 84, 431-434.	2.5	14
116	Commercial Air Travel and In-Flight Pulmonary Hypertension. Aviation, Space, and Environmental Medicine, 2013, 84, 65-67.	0.5	14
117	Iron-Deficiency Anemia Results in Transcriptional and Metabolic Remodeling in the Heart Toward a Glycolytic Phenotype. Frontiers in Cardiovascular Medicine, 2020, 7, 616920.	2.4	14
118	Laser-based absorption spectroscopy as a technique for rapid in-line analysis of respired gas concentrations of O₂ and CO₂. Journal of Applied Physiology, 2011, 111, 303-307.	2.5	13
119	Intravenous iron to treat anaemia following critical care: a multicentre feasibility randomised trial. British Journal of Anaesthesia, 2022, 128, 272-282.	3.4	13
120	The pulmonary vasculature â€“ lessons from Tibetans and from rare diseases of oxygen sensing. Experimental Physiology, 2015, 100, 1233-1241.	2.0	12
121	Latency of the ventilatory chemoreflex response to hypoxia in humans. Respiration Physiology, 1993, 92, 277-287.	2.7	11
122	Exercise capacity and skeletal muscle structure and function before and after balloon mitral valvuloplasty. American Journal of Cardiology, 1995, 76, 684-688.	1.6	11
123	Ventilatory effects of 8 h of isocapnic hypoxia with and without Î²-blockade in humans. Journal of Applied Physiology, 1999, 86, 1897-1904.	2.5	11
124	The von Hippel-Lindau Chuvash mutation in mice alters cardiac substrate and high-energy phosphate metabolism. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H759-H767.	3.2	11
125	Intravenous iron delivers a sustained (8â€week) lowering of pulmonary artery pressure during exercise in healthy older humans. Physiological Reports, 2019, 7, e14164.	1.7	11
126	Optimal Respiratory Controller Structures. IEEE Transactions on Biomedical Engineering, 1986, BME-33, 677-680.	4.2	10

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127	The ventilatory response to lowering potassium with dextrose and insulin in subjects with hyperkalaemia. Respiration Physiology, 1989, 76, 393-398.	2.7	10
128	Effects of somatostatin on the control of breathing in humans. Journal of Physiology, 1999, 521, 289-297.	2.9	10
129	Peripheral chemoreflex function in hyperoxia following ventilatory acclimatization to altitude. Journal of Applied Physiology, 2000, 89, 291-296.	2.5	10
130	Cardiopulmonary phenotype associated with humanPHD2mutation. Physiological Reports, 2017, 5, e13224.	1.7	10
131	Iron bioavailability and cardiopulmonary function during ascent to very high altitude. European Respiratory Journal, 2020, 56, 1902285.	6.7	10
132	Impacts of Changes in Atmospheric O2 on Human Physiology. Is There a Basis for Concern?. Frontiers in Physiology, 2021, 12, 571137.	2.8	10
133	Effects of 8 h of Isocapnic Hypoxia with and without Muscarinic Blockade on Ventilation and Heart Rate in Humans. Experimental Physiology, 2001, 86, 529-538.	2.0	9
134	Can intravenous endothelin-1 be used to enhance hypoxic pulmonary vasoconstriction in healthy humans?. British Journal of Anaesthesia, 2008, 101, 466-472.	3.4	9
135	Intravenous iron and pulmonary hypertension in intensive care. Intensive Care Medicine, 2011, 37, 1720-1720.	8.2	9
136	Methods for averaging irregular respiratory flow profiles in awake humans. Journal of Applied Physiology, 2001, 90, 705-712.	2.5	8
137	Breath-to-breath relationships between respiratory cycle variables in humans at fixed end-tidal P<scp>co</scp> ₂ and P<scp>o</scp> ₂. Journal of Applied Physiology, 1996, 81, 2287-2296.	2.5	7
138	Selected Contribution: High-altitude natives living at sea level acclimatize to high altitude like sea-level natives. Journal of Applied Physiology, 2003, 94, 1263-1268.	2.5	7
139	Genome-Scale Methods Converge on Key Mitochondrial Genes for the Survival of Human Cardiomyocytes in Hypoxia. Circulation: Cardiovascular Genetics, 2014, 7, 407-415.	5.1	7
140	Problems with determining the hypoxic response in humans using stepwise changes in end-tidal PO2. Respiration Physiology, 1994, 98, 241-249.	2.7	6
141	Release by hypoxia of a soluble vasoconstrictor from rabbit small pulmonary arteries. British Journal of Anaesthesia, 2003, 91, 592-594.	3.4	6
142	Iron, preâ€eclampsia and hypoxiaâ€inducible factor. BJOG: an International Journal of Obstetrics and Gynaecology, 2007, 114, 1581-1582.	2.3	6
143	Human hypoxic pulmonary vasoconstriction is unaltered by 8Âh of preceding isocapnic hyperoxia. Physiological Reports, 2017, 5, e13396.	1.7	6
144	Pulmonary Effects of Sustained Periods of High-G Acceleration Relevant to Suborbital Spaceflight. Aerospace Medicine and Human Performance, 2021, 92, 633-641.	0.4	6

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145	Abnormal whole-body energy metabolism in iron-deficient humans despite preserved skeletal muscle oxidative phosphorylation. Scientific Reports, 2022, 12, 998.	3.3	6
146	The pattern of breathing in man in response to sine waves of alveolar carbon dioxide and hypoxia.. Journal of Physiology, 1984, 350, 475-486.	2.9	5
147	Respiratory Effects of Breathing High Oxygen During Incremental Exercise in Humans. Advances in Experimental Medicine and Biology, 2001, 499, 331-336.	1.6	5
148	Endurance exercise training blunts the deleterious effect of high-fat feeding on whole body efficiency. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R320-R326.	1.8	5
149	The human ventilatory response to step changes in end-tidal PO2 of differing amplitude. Respiration Physiology, 1993, 94, 309-321.	2.7	4
150	Effects of midazolam and flumazenil on ventilation during sustained hypoxia in humans. Respiration Physiology, 1993, 94, 51-59.	2.7	4
151	Intravenous Endothelin-1 and Ventilatory Sensitivity to Hypoxia in Humans. Advances in Experimental Medicine and Biology, 2008, 605, 57-62.	1.6	4
152	INtravenous Iron to Treat Anaemia following CriTical care (INTACT): A protocol for a feasibility randomised controlled trial. Journal of the Intensive Care Society, 0, , 175114371987008.	2.2	4
153	A dynamic model of the body gas stores for carbon dioxide, oxygen, and inert gases that incorporates circulatory transport delays to and from the lung. Journal of Applied Physiology, 2021, 130, 1383-1397.	2.5	4
154	Accurate real-time F_ENO expirograms using complementary optical sensors. Journal of Breath Research, 2020, 14, 047102.	3.0	4
155	Leg blood flow and increased potassium release during exercise in chronic heart failure: Effect of physical training. Journal of Cardiac Failure, 1998, 4, 105-114.	1.7	3
156	Cardiovascular Effects of 8 h of Isocapnic Hypoxia with and without Beta-Blockade in Humans. Experimental Physiology, 2000, 85, 557-565.	2.0	3
157	Prior sustained hypoxia attenuates interaction between hypoxia and exercise as ventilatory stimuli in humans. Experimental Physiology, 2007, 92, 273-286.	2.0	3
158	Pulmonary vascular response to air-breathing exercise in humans following an 8-h exposure to hypoxia. Respiratory Physiology and Neurobiology, 2009, 169, 11-15.	1.6	3
159	The Peripheral Actions of the Central Neuropeptide Somatostatin on Control of Breathing. Progress in Brain Research, 2014, 209, 331-340.	1.4	3
160	Does Amifostine Reduce Metabolic Rate? Effect of the Drug on Gas Exchange and Acute Ventilatory Hypoxic Response in Humans. Pharmaceuticals, 2015, 8, 186-195.	3.8	3
161	Novel measure of lung function for assessing disease activity in asthma. BMJ Open Respiratory Research, 2020, 7, e000531.	3.0	3
162	The differing physiology of nitrogen and tracer gas multiple-breath washout techniques. ERJ Open Research, 2021, 7, 00858-2020.	2.6	3

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163	INtravenous iron to treat anaemia following CriTical care (INTACT): A protocol for a feasibility randomised controlled trial. Journal of the Intensive Care Society, 2021, 22, 182-182.	2.2	3
164	Long-Haul Flights May Induce Respiratory Changes Similar to Ventilatory Acclimatisation to Altitude. Advances in Experimental Medicine and Biology, 2001, 499, 321-323.	1.6	2
165	Interaction of Arousal States with Depression of Acute Hypoxic Ventilatory Response by 0.1 MAC Halothane. Advances in Experimental Medicine and Biology, 2004, 551, 227-233.	1.6	2
166	Non-dimensional Quantification of the Interactions Between Hypoxia, Hypercapnia and Exercise on Ventilation in Humans. Advances in Experimental Medicine and Biology, 2008, 605, 245-248.	1.6	2
167	Respiratory control during air-breathing exercise in humans following an 8h exposure to hypoxia. Respiratory Physiology and Neurobiology, 2008, 162, 169-175.	1.6	2
168	Commentaries on Viewpoint: Emergent phenomena and the secrets of life. Journal of Applied Physiology, 2008, 104, 1848-1850.	2.5	2
169	Effects of modest iron loading on iron indices in healthy individuals. Journal of Applied Physiology, 2018, 125, 1710-1719.	2.5	2
170	Development of in-airway laser absorption spectroscopy for respiratory based measurements of cardiac output. Scientific Reports, 2021, 11, 5252.	3.3	2
171	Is ventilatory acclimatization to hypoxia a phenomenon that arises through mechanisms that have an intrinsic role in the regulation of ventilation at sea level?. Advances in Experimental Medicine and Biology, 2001, 502, 339-348.	1.6	2
172	Effect of Heart Failure and Physical Training on the Acute Ventilatory Response to Hypoxia at Rest and during Exercise. Respiration, 1997, 64, 131-137.	2.6	1
173	Possible Mechanisms That May Determine the Set Point and Sensitivities of the Chemoreflexes. Advances in Experimental Medicine and Biology, 2001, 499, 237-239.	1.6	1
174	Can human cardiovascular regulation during exercise be learnt from feedback from arterial baroreceptors?. Experimental Physiology, 2007, 92, 695-704.	2.0	1
175	Effects of hydralazine on the pulmonary vasculature and respiratory control in humans. Experimental Physiology, 2008, 93, 104-114.	2.0	1
176	Changes in pulmonary vascular responsiveness to hypoxia. Experimental Physiology, 2017, 102, 1561-1561.	2.0	1
177	Hypercapnic Pulmonary Vasoconstriction Contributes to Regional Perfusion Distribution: Relevance to Asthma. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 682-683.	5.6	1
178	Ventilation-perfusion inequality in COVID-19 pneumonia. Journal of Applied Physiology, 2021, 131, 868-869.	2.5	1
179	Cardiovascular effects of 8 h of isocapnic hypoxia with and without beta-blockade in humans. Experimental Physiology, 2000, 85, 557-565.	2.0	1
180	Measuring lung inhomogeneity in asthma using a novel non-invasive technique. , 2018, , .		1

#	Article	IF	Citations
181	Multibreath washout tests: indices versus model parameters. Journal of Applied Physiology, 2020, 129, 1277-1277.	2.5	1
182	Normobaric hypoxia elevates free fatty acids and impairs cardiac energetics and diastolic function in normal human volunteers. Journal of Cardiovascular Magnetic Resonance, 2010, 12, .	3.3	0
183	HIF-2Â± Regulates Neutrophilic Inflammation In Humans, Mice And Zebrafish. , 2012, , .		0
184	204â€…The cardiac hepcidin/ferroportin axis is essntial for cardiac iron homeostasis and function. Heart, 2017, 103, A137.2-A137.	2.9	0
185	The effect of hydralazine on cardiorespiratory responses to hypoxia may not involve activation of the HIF pathway. FASEB Journal, 2006, 20, LB30.	0.5	0
186	Iron chelation does not potentiate early acclimatisation to sustained hypoxia in humans. FASEB Journal, 2007, 21, A925.	0.5	0
187	Intravenous iron loading inhibits the pulmonary vascular response to hypoxia in humans. FASEB Journal, 2007, 21, A1438.	0.5	0
188	The effect of exercise on the ventilatory response to hypercapnia in humans. FASEB Journal, 2007, 21, A1290.	0.5	0
189	A genetic disease in humans demonstrates the importance of hypoxiaâ€inducible factor in skeletal muscle metabolism. FASEB Journal, 2009, 23, 955.32.	0.5	0
190	The sympathetic chemoreflex response to hypoxia in humans is sensitised by prior exposure to 8 h of isocapnic hypoxia. FASEB Journal, 2009, 23, 1008.14.	0.5	0
191	Introduction: Role of Potassium in Exercise Hyperpnoea. , 1992, , 409-416.		0
192	Techniques for Assessing the Shape of Respiratory Flow Profiles from Data Containing Marked Breath-By-Breath Respiratory Variability. Advances in Experimental Medicine and Biology, 1998, 450, 93-94.	1.6	0