Hugh E Montgomery

List of Publications by Year
in descending order

272 papers	24,964 citations	14655 66 h-index	7745 150 g-index
280 all docs	280 docs citations	280 times ranked	27730 citing authors

#	Article	IF	Citations
1	Managing the health effects of climate change. Lancet, The, 2009, 373, 1693-1733.	13.7	2,195
2	Clinically applicable deep learning for diagnosis and referral in retinal disease. Nature Medicine, 2018, 24, 1342-1350.	30.7	1,551
3	Acute Skeletal Muscle Wasting in Critical Illness. JAMA - Journal of the American Medical Association, 2013, 310, 1591.	7.4	1,379
4	Health and climate change: policy responses to protect public health. Lancet, The, 2015, 386, 1861-1914.	13.7	1,311
5	The 2020 report of The Lancet Countdown on health and climate change: responding to converging crises. Lancet, The, 2021, 397, 129-170.	13.7	1,030
6	Genetic mechanisms of critical illness in COVID-19. Nature, 2021, 591, 92-98.	27.8	1,014
7	The 2019 report of The Lancet Countdown on health and climate change: ensuring that the health of a child born today is not defined by a changing climate. Lancet, The, 2019, 394, 1836-1878.	13.7	905
8	The Lancet Countdown on health and climate change: from 25 years of inaction to a global transformation for public health. Lancet, The, 2018, 391, 581-630.	13.7	802
9	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
10	The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. Lancet, The, 2021, 398, 1619-1662.	13.7	669
11	A clinically applicable approach to continuous prediction of future acute kidney injury. Nature, 2019, 572, 116-119.	27.8	652
12	The 2018 report of the Lancet Countdown on health and climate change: shaping the health of nations for centuries to come. Lancet, The, 2018, 392, 2479-2514.	13.7	595
13	Angiotensin Converting Enzyme Insertion/Deletion Polymorphism Is Associated with Susceptibility and Outcome in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 646-650.	5.6	511
14	Arterial Blood Gases and Oxygen Content in Climbers on Mount Everest. New England Journal of Medicine, 2009, 360, 140-149.	27.0	399
15	Exercise training enhances endothelial function in young men. Journal of the American College of Cardiology, 1999, 33, 1379-1385.	2.8	366
16	Human angiotensin I-converting enzyme gene and endurance performance. Journal of Applied Physiology, 1999, 87, 1313-1316.	2.5	348
17	Association of Angiotensin-Converting Enzyme GeneI/DPolymorphism With Change in Left Ventricular Mass in Response to Physical Training. Circulation, 1997, 96, 741-747.	1.6	296
18	The Lancet Countdown: tracking progress on health and climate change. Lancet, The, 2017, 389, 1151-1164.	13.7	292

#	Article	IF	Citations
19	The Great British Medalists Project: A Review of Current Knowledge on the Development of the Worldâ€™s Best Sporting Talent. Sports Medicine, 2016, 46, 1041-1058.	6.5	239
20	Angiotensin-converting-enzyme gene insertion/deletion polymorphism and response to physical training. Lancet, The, 1999, 353, 541-545.	13.7	232
21	The angiotensin converting enzyme I/D polymorphism in Russian athletes. European Journal of Human Genetics, 2001, 9, 797-801.	2.8	204
22	Cerebral Artery Dilatation Maintains Cerebral Oxygenation at Extreme Altitude and in Acute Hypoxiaâ€”An Ultrasound and MRI Study. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2019-2029.	4.3	187
23	Elite swimmers and the D allele of the ACE I/D polymorphism. Human Genetics, 2001, 108, 230-232.	3.8	185
24	Genetics of inflammation and risk of coronary artery disease: the central role of interleukin-6. European Heart Journal, 2000, 21, 1574-1583.	2.2	184
25	Whole-genome sequencing reveals host factors underlying critical COVID-19. Nature, 2022, 607, 97-103.	27.8	174
26	Genetic Signatures Reveal High-Altitude Adaptation in a Set of Ethiopian Populations. Molecular Biology and Evolution, 2013, 30, 1877-1888.	8.9	173
27	Qualitative Ultrasound in Acute Critical Illness Muscle Wasting. Critical Care Medicine, 2015, 43, 1603-1611.	0.9	168
28	Metabolic basis to Sherpa altitude adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6382-6387.	7.1	162
29	The ACE Gene and Human Performance. Sports Medicine, 2011, 41, 433-448.	6.5	158
30	High-altitude physiology and pathophysiology: implications and relevance for intensive care medicine. Critical Care, 2007, 11, 203.	5.8	150
31	Peroxisome Proliferatorâ€“Activated Receptor Î± Gene Regulates Left Ventricular Growth in Response to Exercise and Hypertension. Circulation, 2002, 105, 950-955.	1.6	149
32	Left Ventricular Mass. Hypertension, 2002, 40, 673-678.	2.7	146
33	Clinically Applicable Segmentation of Head and Neck Anatomy for Radiotherapy: Deep Learning Algorithm Development and Validation Study. Journal of Medical Internet Research, 2021, 23, e26151.	4.3	142
34	Acclimatization of skeletal muscle mitochondria to highâ€altitude hypoxia during an ascent of Everest. FASEB Journal, 2012, 26, 1431-1441.	0.5	138
35	Angiotensin-Converting Enzyme Genotype Affects the Response of Human Skeletal Muscle to Functional Overload. Experimental Physiology, 2000, 85, 575-579.	2.0	137
36	Metabolic phenotype of skeletal muscle in early critical illness. Thorax, 2018, 73, 926-935.	5.6	135

#	Article	IF	Citations
37	Vitamin D receptor genotypes influence quadriceps strength in chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2008, 87, 385-390.	4.7	120
38	The effect of intravenous interferon-beta-1a (FP-1201) on lung CD73 expression and on acute respiratory distress syndrome mortality: an open-label study. Lancet Respiratory Medicine,the, 2014, 2, 98-107.	10.7	120
39	Left Ventricular Hypertrophy With Exercise and ACE Gene Insertion/Deletion Polymorphism. Circulation, 2001, 103, 226-230.	1.6	119
40	Haplotype analysis of the PPARgamma Pro12Ala and C1431T variants reveals opposing associations with body weight. BMC Genetics, 2002, 3, 21.	2.7	113
41	The Acute Rise in Plasma Fibrinogen Concentration With Exercise Is Influenced by the G-₄₅₃-A Polymorphism of the Î²-Fibrinogen Gene. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 16, 386-391.	2.4	109
42	The combined impact of metabolic gene polymorphisms on elite endurance athlete status and related phenotypes. Human Genetics, 2009, 126, 751-761.	3.8	108
43	Human Performance: A Role for the ACE Genotype?. Exercise and Sport Sciences Reviews, 2002, 30, 184-190.	3.0	104
44	Bradykinin B2BKR receptor polymorphism and left-ventricular growth response. Lancet, The, 2001, 358, 1155-1156.	13.7	103
45	The role of nitrogen oxides in human adaptation to hypoxia. Scientific Reports, 2011, 1, 109.	3.3	103
46	Angiotensin Converting Enzyme Genotype and Strength in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 395-399.	5.6	102
47	PPARÎ± gene variation and physical performance in Russian athletes. European Journal of Applied Physiology, 2006, 97, 103-108.	2.5	100
48	The ACE I/D Polymorphism and Human Physical Performance. Trends in Endocrinology and Metabolism, 2000, 11, 416-420.	7.1	97
49	Genetic Influences in Sport and Physical Performance. Sports Medicine, 2011, 41, 845-859.	6.5	96
50	?Cardiovascular risk in healthy men and markers of oxidative stress in diabetic men are associated with common variation in the gene for uncoupling protein 2. European Heart Journal, 2004, 25, 468-475.	2.2	95
51	A functional polymorphic variant in the interleukin-6 gene promoter associated with low bone resorption in postmenopausal women. Arthritis and Rheumatism, 2001, 44, 196-201.	6.7	91
52	Severity of Meningococcal Disease in Children and the Angiotensin-Converting Enzyme Insertion/Deletion Polymorphism. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 1103-1106.	5.6	90
53	Health risks, present and future, from global climate change. BMJ, The, 2012, 344, e1359-e1359.	6.0	90
54	Bradykinin receptor gene variant and human physical performance. Journal of Applied Physiology, 2004, 96, 938-942.	2.5	89

#	Article	IF	Citations
55	Cardiac response to hypobaric hypoxia: persistent changes in cardiac mass, function, and energy metabolism after a trek to Mt. Everest Base Camp. FASEB Journal, 2011, 25, 792-796.	0.5	85
56	Genetic Variants of Angiotensin II Receptors and Cardiovascular Risk in Hypertension. Hypertension, 2003, 42, 500-506.	2.7	84
57	Effect of Intermittent or Continuous Feed on Muscle Wasting in Critical Illness. Chest, 2020, 158, 183-194.	0.8	84
58	Rectus Femoris Cross-Sectional Area and Muscle Layer Thickness: Comparative Markers of Muscle Wasting and Weakness. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 136-138.	5.6	83
59	Insertion/Deletion Polymorphism of the Angiotensin I-Converting Enzyme Gene and Arterial Oxygen Saturation at High Altitude. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 362-366.	5.6	82
60	No association between Angiotensin Converting Enzyme (ACE) gene variation and endurance athlete status in Kenyans. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2005, 141, 169-175.	1.8	81
61	Association Analysis of ACE and ACTN3 in Elite Caucasian and East Asian Swimmers. Medicine and Science in Sports and Exercise, 2013, 45, 892-900.	0.4	80
62	Cerebral venous system and anatomical predisposition to highâ€altitude headache. Annals of Neurology, 2013, 73, 381-389.	5.3	76
63	Structure to function: muscle failure in critically ill patients. Journal of Physiology, 2010, 588, 4641-4648.	2.9	75
64	Does Interleukin-6 Genotype Influence Cerebral Injury or Developmental Progress After Preterm Birth?. Pediatrics, 2004, 114, 941-947.	2.1	73
65	Endurance enhancement related to the human angiotensin I-converting enzyme I-D polymorphism is not due to differences in the cardiorespiratory response to training. European Journal of Applied Physiology, 2002, 86, 240-244.	2.5	72
66	A multidisciplinary consensus on dehydration: definitions, diagnostic methods and clinical implications. Annals of Medicine, 2019, 51, 232-251.	3.8	72
67	Is Interleukin-6 -174 Genotype Associated With the Development of Septicemia in Preterm Infants?. Pediatrics, 2003, 112, 800-803.	2.1	71
68	The ACE gene insertion/deletion polymorphism and elite endurance swimming. European Journal of Applied Physiology, 2004, 92, 360-2.	2.5	71
69	Dysnatremia is a Predictor for Morbidity and Mortality in Hospitalized Patients with COVID-19. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1637-1648.	3.6	70
70	Hemoglobin concentration, total hemoglobin mass and plasma volume in patients: implications for anemia. Haematologica, 2017, 102, 1477-1485.	3.5	67
71	Principles of environmentallyâ€sustainable anaesthesia: a global consensus statement from the World Federation of Societies of Anaesthesiologists. Anaesthesia, 2022, 77, 201-212.	3.8	67
72	No association between high-altitude tolerance and the ACE I/D gene polymorphism. Medicine and Science in Sports and Exercise, 2002, 34, 1928-1933.	0.4	66

#	Article	IF	Citations
73	Diarrhoea in the critically ill is common, associated with poor outcome and rarely due to Clostridium difficile. Scientific Reports, 2016, 6, 24691.	3.3	63
74	Metabolic adjustment to high-altitude hypoxia: from genetic signals to physiological implications. Biochemical Society Transactions, 2018, 46, 599-607.	3.4	61
75	Lack of association between the insertion/deletion polymorphism of the angiotensin-converting enzyme gene and idiopathic dilated cardiomyopathy. Journal of the American College of Cardiology, 1995, 25, 1627-1631.	2.8	60
76	Statin therapy and the acute inflammatory response after coronary artery bypass grafting. American Journal of Cardiology, 2001, 88, 431-433.	1.6	60
77	Neuromuscular Blockade and Skeletal Muscle Weakness in Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 911-917.	5.6	60
78	Terrorism and the Medical Response. New England Journal of Medicine, 2005, 353, 543-545.	27.0	58
79	Angiotensin-converting enzyme genotype affects the response of human skeletal muscle to functional overload. Experimental Physiology, 2000, 85, 575-9.	2.0	58
80	High Altitude Arrhythmias. Cardiology, 2008, 111, 239-246.	1.4	55
81	Bone structure and geometry in young men: The influence of smoking, alcohol intake and physical activity. Bone, 2013, 52, 17-26.	2.9	55
82	The interleukin-6 gene -174G>C and -572G>C promoter polymorphisms are related to cerebral aneurysms. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 77, 915-917.	1.9	54
83	Global health and climate change: moving from denial and catastrophic fatalism to positive action. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1866-1882.	3.4	54
84	Angiotensin-converting enzyme genotype affects the response of human skeletal muscle to functional overload. Experimental Physiology, 2000, 85, 575-579.	2.0	54
85	Preventing the progression of climate change: one drug or polypill?. Biofuel Research Journal, 2017, 4, 536-536.	13.3	54
86	Circulating angiotensin converting enzyme activity is correlated with muscle strength. Medicine and Science in Sports and Exercise, 2005, 37, 944-8.	0.4	54
87	The associations of ACE polymorphisms with physical, physiological and skill parameters in adolescents. European Journal of Human Genetics, 2006, 14, 332-339.	2.8	52
88	Performance at altitude and angiotensin I-converting enzyme genotype. European Journal of Applied Physiology, 2005, 93, 630-633.	2.5	51
89	Climate warming will not decrease winter mortality. Nature Climate Change, 2014, 4, 190-194.	18.8	51
90	Variation in bradykinin receptor genes increases the cardiovascular risk associated with hypertension. European Heart Journal, 2003, 24, 1672-1680.	2.2	50

#	Article	IF	Citations
91	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
92	Angiotensin-I Converting Enzyme Genotype-Dependent Benefit from Hormone Replacement Therapy in Isometric Muscle Strength and Bone Mineral Density¹. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 2200-2204.	3.6	46
93	Angiotensin-Converting Enzyme and Genetics at High Altitude. High Altitude Medicine and Biology, 2001, 2, 201-210.	0.9	46
94	Design and conduct of Caudwell Xtreme Everest: an observational cohort study of variation in human adaptation to progressive environmental hypoxia. BMC Medical Research Methodology, 2010, 10, 98.	3.1	46
95	An Exploratory Study of Long-Term Outcome Measures in Critical Illness Survivors: Construct Validity of Physical Activity, Frailty, and Health-Related Quality of Life Measures*. Critical Care Medicine, 2016, 44, e362-e369.	0.9	46
96	Angiotensin-converting enzyme genotype and the ventilatory responseto exertional hypoxia. European Respiratory Journal, 2003, 22, 755-760.	6.7	45
97	Left Ventricular Wall Thickness and the Presence of Asymmetric Hypertrophy in Healthy Young Army Recruits. Circulation: Cardiovascular Imaging, 2013, 6, 262-267.	2.6	43
98	Telomeres are shorter in myocardial infarction patients compared to healthy subjects: correlation with environmental risk factors. Journal of Molecular Medicine, 2010, 88, 785-794.	3.9	42
99	Variation in human performance in the hypoxic mountain environment. Experimental Physiology, 2010, 95, 463-470.	2.0	42
100	Sudden exertional death in sickle cell trait: Figure 1. British Journal of Sports Medicine, 2012, 46, 312-314.	6.7	42
101	Effects of Prolonged Exposure to Hypobaric Hypoxia on Oxidative Stress, Inflammation and Gluco-Insular Regulation: The Not-So-Sweet Price for Good Regulation. PLoS ONE, 2014, 9, e94915.	2.5	42
102	Effect of a COL1A1 Sp1 Binding Site Polymorphism on Arterial Pulse Wave Velocity. Hypertension, 2001, 38, 444-448.	2.7	41
103	Variation in the Interleukin-6 Gene Is Associated with Impaired Cognitive Development in Children Born Prematurely: A Preliminary Study. Pediatric Research, 2005, 58, 117-120.	2.3	41
104	Use of deep learning to develop continuous-risk models for adverse event prediction from electronic health records. Nature Protocols, 2021, 16, 2765-2787.	12.0	41
105	Angiotensin-Converting Enzyme Genotype and Successful Ascent to Extreme High Altitude. High Altitude Medicine and Biology, 2007, 8, 278-285.	0.9	39
106	Gene-Environment Interaction in the Determination of Levels of Plasma Fibrinogen. Thrombosis and Haemostasis, 1999, 82, 818-825.	3.4	38
107	Normobaric hypoxia impairs human cardiac energetics. FASEB Journal, 2011, 25, 3130-3135.	0.5	36
108	Non-invasive respiratory support in the management of acute COVID-19 pneumonia: considerations for clinical practice and priorities for research. Lancet Respiratory Medicine,the, 2022, 10, 199-213.	10.7	35

#	Article	IF	Citations
109	Effect of enalapril and losartan on cytokines in patients with stable angina pectoris awaiting coronary artery bypass grafting and their interaction with polymorphisms in the interleukin-6 gene. American Journal of Cardiology, 2004, 94, 564-569.	1.6	34
110	Impact of genetic factors on outcome from brain injury. British Journal of Anaesthesia, 2007, 99, 43-48.	3.4	34
111	Automated analysis of retinal imaging using machine learningÂtechniques for computer vision. F1000Research, 2016, 5, 1573.	1.6	34
112	ACE in COPD: a therapeutic target?. Thorax, 2003, 58, 556-558.	5.6	33
113	The sensitivity of the human thirst response to changes in plasma osmolality: a systematic review. Perioperative Medicine (London, England), 2018, 7, 1.	1.5	33
114	The effect of angiotensin-converting enzyme genotype on acute mountain sickness and summit success in trekkers attempting the summit of Mt. Kilimanjaro (5,895Âm). European Journal of Applied Physiology, 2009, 105, 373-379.	2.5	32
115	Improving outcomes in patients with Acute Kidney Injury: the impact of hospital based automated AKI alerts. Postgraduate Medical Journal, 2016, 92, 9-13.	1.8	32
116	Electrocardiographic (ECG) criteria for determining left ventricular mass in young healthy men; data from the LARGE Heart study. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 2.	3.3	31
117	Reducing sound and light exposure to improve sleep on the adult intensive care unit: An inclusive narrative review. Journal of the Intensive Care Society, 2018, 19, 138-146.	2.2	31
118	Palaeoecological and genetic evidence for Neanderthal power locomotion as an adaptation to a woodland environment. Quaternary Science Reviews, 2019, 217, 310-315.	3.0	31
119	Metabolomic and lipidomic plasma profile changes in human participants ascending to Everest Base Camp. Scientific Reports, 2019, 9, 2297.	3.3	31
120	Exergy intensity and environmental consequences of the medical face masks curtailing the COVID-19 pandemic: Malign bodyguard?. Journal of Cleaner Production, 2021, 313, 127880.	9.3	31
121	Cortical bone resorption during exercise is interleukin-6 genotype-dependent. European Journal of Applied Physiology, 2003, 89, 21-25.	2.5	30
122	Angiotensin-converting enzyme DD genotype is associated with worse perinatal cardiorespiratory adaptation in preterm infants. Journal of Pediatrics, 2003, 143, 746-749.	1.8	30
123	The development of a postoperative morbidity score to assess total morbidity burden after cardiac surgery. Journal of Clinical Epidemiology, 2012, 65, 423-433.	5.0	30
124	A Randomized Controlled Trial of Angiotensin-Converting Enzyme Inhibition for Skeletal Muscle Dysfunction in COPD. Chest, 2014, 146, 932-940.	0.8	30
125	Does hypoxia play a role in the development of sarcopenia in humans? Mechanistic insights from the Caudwell Xtreme Everest Expedition. Redox Biology, 2017, 13, 60-68.	9.0	30
126	How wasting is saving: Weight loss at altitude might result from an evolutionary adaptation. BioEssays, 2014, 36, 721-729.	2.5	29

#	Article	IF	Citations
127	+9/+9 Homozygosity of the bradykinin receptor gene polymorphism is associated with reduced fat-free mass in chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2006, 83, 912-917.	4.7	28
128	Caudwell Xtreme Everest: a field study of human adaptation to hypoxia. Critical Care, 2007, 11, 151.	5.8	28
129	Angiotensin-Converting Enzyme Inhibition as an Adjunct to Pulmonary Rehabilitation in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1349-1357.	5.6	28
130	The post-ICU presentation screen (PICUPS) and rehabilitation prescription (RP) for intensive care survivors part I: Development and preliminary clinimetric evaluation. Journal of the Intensive Care Society, 2022, 23, 253-263.	2.2	28
131	Caudwell Xtreme Everest Expedition. High Altitude Medicine and Biology, 2010, 11, 133-137.	0.9	27
132	Association of a sequence variant in DAB2IP with coronary heart disease. European Heart Journal, 2012, 33, 881-888.	2.2	27
133	A Review of Electrocardiography in the High Altitude Environment. High Altitude Medicine and Biology, 2010, 11, 51-60.	0.9	26
134	Caudwell Xtreme Everest: A prospective study of the effects of environmental hypoxia on cognitive functioning. PLoS ONE, 2017, 12, e0174277.	2.5	26
135	Tissue Oxygen Saturation and Outcome after Cardiac Surgery. American Journal of Critical Care, 2011, 20, 138-145.	1.6	24
136	Body Surface Area and Baseline Blood Pressure Predict Subclinical Anthracycline Cardiotoxicity in Women Treated for Early Breast Cancer. PLoS ONE, 2016, 11, e0165262.	2.5	24
137	Polymorphism of the heme oxygenase-1 gene and cerebral aneurysms. British Journal of Neurosurgery, 2005, 19, 317-321.	0.8	23
138	The association of left ventricular mass with blood pressure, cigarette smoking and alcohol consumption; data from the LARGE heart study. International Journal of Cardiology, 2007, 120, 52-58.	1.7	23
139	Digital and technological innovation in vector-borne disease surveillance to predict, detect, and control climate-driven outbreaks. Lancet Planetary Health, The, 2021, 5, e739-e745.	11.4	22
140	Common, low-frequency, rare, and ultra-rare coding variants contribute to COVID-19 severity. Human Genetics, 2022, 141, 147-173.	3.8	22
141	Genetophysiology: Using Genetic Strategies to Explore Hypoxic Adaptation. High Altitude Medicine and Biology, 2008, 9, 123-129.	0.9	21
142	Low serum 25-hydroxyvitamin D status in the pathogenesis of stress fractures in military personnel: An evidenced link to support injury risk management. PLoS ONE, 2020, 15, e0229638.	2.5	21
143	Implementation of a Digitally Enabled Care Pathway (Part 2): Qualitative Analysis of Experiences of Health Care Professionals. Journal of Medical Internet Research, 2019, 21, e13143.	4.3	21
144	Glucose-Insulin and Potassium Infusions in Septic Shock. Chest, 2006, 129, 800-804.	0.8	20

#	Article	IF	Citations
145	Genetic Variation and Activity of the Renin-Angiotensin System and Severe Hypoglycemia in Type 1 Diabetes. American Journal of Medicine, 2008, 121, 246.e1-246.e8.	1.5	20
146	Variation in the uncoupling protein 2 and 3 genes and human performance. Journal of Applied Physiology, 2012, 112, 1122-1127.	2.5	20
147	The Post-ICU presentation screen (PICUPS) and rehabilitation prescription (RP) for intensive care survivors part II: Clinical engagement and future directions for the national Post-Intensive care Rehabilitation Collaborative. Journal of the Intensive Care Society, 2022, 23, 264-272.	2.2	20
148	Pre-operative anaemia is associated with total morbidity burden on days 3 and 5 after cardiac surgery: a cohort study. Perioperative Medicine (London, England), 2017, 6, 1.	1.5	19
149	The Impact of ACE Genotype on Serum ACE Activity in a Black South African Male Population. Annals of Human Genetics, 2007, 71, 1-7.	0.8	18
150	Genetic research and testing in sport and exercise science: A review of the issues. Journal of Sports Sciences, 2009, 27, 1109-1116.	2.0	18
151	Higher IL-6 levels but not IL6 â^'174G>C or â^'572G>C genotype are associated with post-operative complication following coronary artery bypass graft (CABG) surgery. Atherosclerosis, 2009, 204, 196-201.	0.8	17
152	Is genotype or phenotype the better tool for investigating the role of ACE in human cardiovascular disease?. European Heart Journal, 2002, 23, 1083-1086.	2.2	16
153	The common G-866A polymorphism of the UCP2 gene and survival in diabetic patients following myocardial infarction. Cardiovascular Diabetology, 2009, 8, 31.	6.8	16
154	The Lichfield bone study: the skeletal response to exercise in healthy young men. Journal of Applied Physiology, 2012, 112, 615-626.	2.5	16
155	Association between preoperative haemoglobin concentration and cardiopulmonary exercise variables: a multicentre study. Perioperative Medicine (London, England), 2013, 2, 18.	1.5	16
156	The Use of Skeletal Muscle Near Infrared Spectroscopy and a Vascular Occlusion Test at High Altitude. High Altitude Medicine and Biology, 2013, 14, 256-262.	0.9	16
157	Design and conduct of Xtreme Everest 2: An observational cohort study of Sherpa and lowlander responses to graduated hypobaric hypoxia. F1000Research, 2015, 4, 90.	1.6	16
158	Implementation of a Digitally Enabled Care Pathway (Part 1): Impact on Clinical Outcomes and Associated Health Care Costs. Journal of Medical Internet Research, 2019, 21, e13147.	4.3	16
159	A pilot study of change in fracture risk in patients with acute respiratory distress syndrome. Critical Care, 2015, 19, 165.	5.8	15
160	Critical care at the end of life: balancing technology with compassion and agreeing when to stop. British Journal of Anaesthesia, 2017, 119, i85-i89.	3.4	15
161	The impact of maintaining serum potassium â‰¥3.6 mEq/L vs â‰¥4.5 mEq/L on the incidence of new-onset atrial fibrillation in the first 120 hours after isolated elective coronary artery bypass grafting â€“ study protocol for a randomised feasibility trial for the proposed Tight K randomized non-inferiority trial. Trials, 2017, 18, 618.	1.6	15
162	The reninâ€“angiotensin system and physical performance. Biochemical Society Transactions, 2003, 31, 1286-1289.	3.4	14

#	Article	IF	Citations
163	The serum angiotensin-converting enzyme and angiotensin II response to altered posture and acute exercise, and the influence of ACE genotype. European Journal of Applied Physiology, 2004, 91, 342-348.	2.5	14
164	ACE Gene Polymorphism in COPD. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 572-573.	5.6	14
165	Different contributions of the angiotensin-converting enzyme C-domain and N-domain in subjects with the angiotensin-converting enzyme II and DD genotype. Journal of Hypertension, 2008, 26, 706-713.	0.5	14
166	Neuromuscular Blockers and ARDS. New England Journal of Medicine, 2010, 363, 2562-2564.	27.0	14
167	Applying machine learning to automated segmentation of head and neck tumour volumes and organs at risk on radiotherapy planning CT and MRI scans. F1000Research, 0, 5, 2104.	1.6	13
168	The â^'344T>C promoter variant of the gene for aldosterone synthase (CYP11B2) is not associated with cardiovascular risk in a prospective study of UK healthy men. Atherosclerosis, 2004, 174, 81-86.	0.8	12
169	No evidence for a local renin-angiotensin system in liver mitochondria. Scientific Reports, 2013, 3, 2467.	3.3	12
170	Late Anthracycline-Related Cardiotoxicity in Low-Risk Breast Cancer Patients. Journal of the American College of Cardiology, 2017, 69, 2573-2575.	2.8	12
171	Salicylate intoxication causing a severe systemic inflammatory response and rhabdomyolysis. American Journal of Emergency Medicine, 1994, 12, 531-532.	1.6	11
172	The lipoprotein lipase gene serine 447 stop variant influences hypertension-induced left ventricular hypertrophy and risk of coronary heart disease. Clinical Science, 2007, 112, 617-624.	4.3	11
173	Lipoprotein-associated phospholipase A2 A379V variant is associated with body composition changes in response to exercise training. Nutrition, Metabolism and Cardiovascular Diseases, 2007, 17, 24-31.	2.6	11
174	Genetic Basis of Physical Fitness. Annual Review of Anthropology, 2007, 36, 391-405.	1.5	11
175	Cardiovascular assessment for non-cardiac surgery: European guidelines. British Journal of Hospital Medicine (London, England: 2005), 2017, 78, 327-332.	0.5	11
176	Effect of intermittent or continuous feeding and amino acid concentration on ureaâ€toâ€creatinine ratio in critical illness. Journal of Parenteral and Enteral Nutrition, 2022, 46, 789-797.	2.6	11
177	The Gly389Arg beta-1 adrenoceptor polymorphism and cardiovascular disease: time for a rethink in the funding of genetic studies?. European Heart Journal, 2002, 23, 1071-1074.	2.2	10
178	ACE Genotype and Performance. Journal of Applied Physiology, 2002, 92, 1774-1777.	2.5	10
179	Haplotype of growth hormone and angiotensin I-converting enzyme genes, serum angiotensin I-converting enzyme and ventricular growth: pathway inference in pharmacogenetics. Pharmacogenetics and Genomics, 2007, 17, 291-294.	1.5	10
180	Angiotensin-converting enzyme genotype and late respiratory complications of mustard gas exposure. BMC Pulmonary Medicine, 2008, 8, 15.	2.0	10

#	Article	IF	Citations
181	Angiotensin-converting enzyme and angiotensin II receptor subtype 2 genotypes in type 1 diabetes and severe hypoglycaemia requiring emergency treatment: a case cohort study. Pharmacogenetics and Genomics, 2009, 19, 864-868.	1.5	10
182	Replicating measurements of total hemoglobin mass (tHb-mass) within a single day: precision of measurement; feasibility and safety of using oxygen to expedite carbon monoxide clearance. Physiological Reports, 2018, 6, e13829.	1.7	10
183	Should the contribution of ACE gene polymorphism to left ventricular hypertrophy be reconsidered?. Heart, 1997, 77, 489-490.	2.9	9
184	Sinus arrest and severe peripheral vasodilation following cardiopulmonary bypass in a patient taking nicorandil. Cardiovascular Drugs and Therapy, 1997, 11, 81-81.	2.6	9
185	Cardiac reserve: linking physiology and genetics. Intensive Care Medicine, 2000, 26, S137-S144.	8.2	9
186	Angiotensin-Converting Enzyme Genotype Interacts With Systolic Blood Pressure to Determine Coronary Heart Disease Risk in Healthy Middle-Aged Men. Hypertension, 2007, 50, 348-353.	2.7	9
187	Service evaluation of the implementation of a digitally-enabled care pathway for the recognition and management of acute kidney injury. F1000Research, 2017, 6, 1033.	1.6	9
188	ACSM Expert Consensus Statement: Injury Prevention and Exercise Performance during Cold-Weather Exercise. Current Sports Medicine Reports, 2021, 20, 594-607.	1.2	9
189	Extreme Physiology & Medicine: a new journal focussed on integrative human physiology under stress. Extreme Physiology and Medicine, 2012, 1, 1.	2.5	8
190	Gene-environment interactions and the response to exercise. International Journal of Experimental Pathology, 2000, 81, 283-287.	1.3	8
191	Variation in the lipoprotein lipase gene influences exercise-induced left ventricular growth. Journal of Molecular Medicine, 2006, 84, 126-131.	3.9	7
192	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
193	Mitochondrial uncoupling proteins regulate angiotensinâ€converting enzyme expression: crosstalk between cellular and endocrine metabolic regulators suggested by RNA interference and genetic studies. BioEssays, 2016, 38, S107-18.	2.5	7
194	Multitask prediction of organ dysfunction in the intensive care unit using sequential subnetwork routing. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1936-1946.	4.4	7
195	Oral Coenzyme Q10 Supplementation Does Not Prevent Cardiac Alterations During a High Altitude Trek to Everest Base Camp. High Altitude Medicine and Biology, 2014, 15, 459-467.	0.9	6
196	The Relationship Between Lower Limb Bone and Muscle in Military Recruits, Response to Physical Training and Influence of Smoking Status. Scientific Reports, 2015, 5, 9323.	3.3	6
197	Letter in response to Google DeepMind and healthcare in an age of algorithms. Health and Technology, 2018, 8, 11-13.	3.6	6
198	In pursuit of the unicorn. Experimental Physiology, 2021, 106, 385-388.	2.0	6

#	Article	IF	Citations
199	Service evaluation of the implementation of a digitally-enabled care pathway for the recognition and management of acute kidney injury. F1000Research, 2017, 6, 1033.	1.6	6
200	The experience of drowning. Medico-Legal Journal, 2022, 90, 17-26.	0.5	6
201	IL-6?174G/C genotype is associated with the bone mineral density response to oestrogen replacement therapy in post-menopausal women. European Journal of Applied Physiology, 2004, 92, 227-230.	2.5	5
202	Relationship between calcaneal quantitative ultrasound and hip dual energy X-ray absorptiometry in young healthy men. Osteoporosis International, 2012, 23, 1947-1956.	3.1	5
203	ACE and response to pulmonary rehabilitation in COPD: two observational studies. BMJ Open Respiratory Research, 2017, 4, e000165.	3.0	5
204	Diarrhoea in critical care is rarely infective in origin, associated with increased length of stay and higher mortality. Journal of the Intensive Care Society, 2020, 21, 72-78.	2.2	5
205	Sudden Cardiac Death in the Mountain Environment. Medicina Sportiva, 2009, 13, 197-202.	0.3	5
206	A Low Cost Spacer Device Used for Asthma Treatment in a Calcutta Street Clinic to Improve Efficacy of Metered Dose Inhalers. Tropical Doctor, 1998, 28, 228-229.	0.5	4
207	Gene-environment interactions and the response to exercise. International Journal of Experimental Pathology, 2004, 81, 283-287.	1.3	4
208	Angiotension-converting enzyme gene I/D polymorphism in patients with angina and normal coronary arteriograms. International Journal of Cardiology, 2005, 98, 339-340.	1.7	4
209	Does angiotensin-1 converting enzyme genotype influence motor or cognitive development after pre-term birth?. Journal of Neuroinflammation, 2005, 2, 6.	7.2	4
210	Genetic Risk Factors for Subarachnoid Hemorrhage. Neurosurgery, 2007, 61, 197-198.	1.1	4
211	C-Reactive Protein Gene Variant and the Human Left Ventricular Growth Response to Exercise: Data From the LARGE Heart Study. Journal of Cardiovascular Pharmacology, 2010, 55, 26-29.	1.9	4
212	Mitochondrial uncoupling proteins regulate angiotensin-converting enzyme expression: crosstalk between cellular and endocrine metabolic regulators suggested by RNA interference and genetic studies. Inside the Cell, 2016, 1, 70-81.	0.4	4
213	Predictors of total morbidity burden on days 3, 5 and 8 after cardiac surgery. Perioperative Medicine (London, England), 2017, 6, 2.	1.5	4
214	Application of the optimized carbon monoxide rebreathing method for the measurement of total haemoglobin mass in chronic liver disease. Physiological Reports, 2020, 8, e14402.	1.7	4
215	Intensive care physiciansâ€™ perceptions of the diagnosis & management of patients with acute hypoxic respiratory failure associated with COVID-19: A UK based survey. Journal of the Intensive Care Society, 2022, 23, 285-292.	2.2	4
216	Increased QT dispersion with the D-allele of the ACE polymorphism. European Heart Journal, 2001, 22, 618-621.	2.2	3

#	Article	IF	Citations
217	Stressing the system. European Journal of Clinical Investigation, 2003, 33, 635-641.	3.4	3
218	Genetic Variation and Physical Performance. , 2004, 93, 270-302.		3
219	Angiotensin-converting enzyme and human physical performance. Equine and Comparative Exercise Physiology, 2004, 1, 255-260.	0.4	3
220	Climate change: how grave the threat?. Clinical Medicine, 2009, 9, 309-310.	1.9	3
221	Climate change is not the biggest global health threat â€“ Authors' reply. Lancet, The, 2009, 374, 974-975.	13.7	3
222	Tobacco industry lobbyists and their health-care clients. Lancet, The, 2013, 381, 445.	13.7	3
223	Repetitive vascular occlusion stimulus (RVOS) versus standard care to prevent muscle wasting in critically ill patients (ROSProx):a study protocol for a pilot randomised controlled trial. Trials, 2019, 20, 456.	1.6	3
224	Malnutrition risk in hospitalised COVID-19 patients receiving CPAP. Lancet, The, 2021, 397, 1261.	13.7	3
225	A carbon monoxide â€˜single breathâ€™ method to measure total haemoglobin mass: a feasibility study. Experimental Physiology, 2021, 106, 567-575.	2.0	3
226	Beyond coagulation: fibrinogen as a cause of cardiovascular surgical disease. Cardiovascular Drugs and Therapy, 1998, 12, 261-265.	2.6	2
227	Genetics and Sports Participation. , 0, , 548-579.		2
228	P66 Inter-observer reliability of ultrasound to measure rectus femoris cross-sectional area in critically ill patients. Thorax, 2011, 66, A95-A95.	5.6	2
229	Duration of preceding hypertension is associated with prolonged length of ICU stay. International Journal of Cardiology, 2012, 157, 180-184.	1.7	2
230	T3â€…Acute Muscle Loss in the Critically Ill: From Bedside to Bench. Thorax, 2012, 67, A1.3-A2.	5.6	2
231	Pupil Dynamics in Hypoxic Conditions: Caudwell Xtreme Everest Results. High Altitude Medicine and Biology, 2014, 15, 422-423.	0.9	2
232	Reply to 'A note of caution about the excess winter deaths measure'. Nature Climate Change, 2014, 4, 648-648.	18.8	2
233	S141 Tumour Necrosis Factor Receptor 1 Shedding Is Related To Acute Skeletal Muscle Wasting In Critical Illness. Thorax, 2014, 69, A75-A75.	5.6	2
234	Non-freezing cold injury: a multi-faceted syndrome. Brain, 2018, 141, e9-e9.	7.6	2

#	Article	IF	Citations
235	Matters of life and death: Change beyond planetary homeostasis. Experimental Physiology, 2019, 104, 1749-1750.	2.0	2
236	A practical guide to medical ethics for intensivists. Journal of the Intensive Care Society, 2019, 20, 66-73.	2.2	2
237	Cannulation of the subclavian vein using real-time ultrasound guidance. Journal of the Intensive Care Society, 2020, 21, 349-354.	2.2	2
238	COVID-19: UK frontline intensivists' emerging learning. Journal of the Intensive Care Society, 2021, 22, 211-213.	2.2	2
239	High intensity training and the heart. British Journal of Hospital Medicine, 1999, 60, 187-191.	0.2	1
240	In search of genetic precision. Lancet, The, 2003, 361, 1909.	13.7	1
241	In Reply: Is Intensive Insulin Therapy Safe in the Critically Ill?. Chest, 2006, 130, 1278-1279.	0.8	1
242	Lack of change in serum angiotensin-converting enzyme activity during the menstrual cycle. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2006, 7, 231-235.	1.7	1
243	DOWN-REGULATION OF ACE EXPRESSION IN HUVECS USING siRNA RESULTS IN DOWN-REGULATION OF UCP2 EXPRESSION: A POTENTIAL MECHANISM OF THE CLINICAL BENEFIT OF ACE-INHIBITORS?. Atherosclerosis, 2009, 207, e10.	0.8	1
244	Christiana Figueres joins The Lancet Countdownâ€"delivering on the promise of Paris. Lancet, The, 2017, 389, e16.	13.7	1
245	Thirst-guided participant-controlled intravenous fluid rehydration: a single blind, randomised crossover study. British Journal of Anaesthesia, 2020, 124, 403-410.	3.4	1
246	The genetics of physical fitness. British Journal of Sports Medicine, 1999, 33, 375.	6.7	1
247	Pulmonary embolism as a cause of pulmonary oedema. Clinical Intensive Care: International Journal of Critical & Coronary Care Medicine, 1995, 6, 184-188.	0.1	0
248	Gene-environment interaction in coronary artery disease (CAD). Scandinavian Journal of Clinical and Laboratory Investigation, 1996, 56, 19-22.	1.2	0
249	Reply from Dr Marko Kerac. Tropical Doctor, 1999, 29, 116-116.	0.5	0
250	The genetics of critical illness. Clinical Intensive Care: International Journal of Critical & Coronary Care Medicine, 2000, 11, 71-75.	0.1	0
251	W13-P-023 Common haplotypes of the IL18 gene and their effect on cardiovascular disease progression following an inflammatory insult. Atherosclerosis Supplements, 2005, 6, 91.	1.2	0
252	Physiology of ventilation and gas exchange. , 0, , 1-20.		0

#	Article	IF	Citations
253	W56 TELOMERES ARE SHORTER IN PATIENTS WITH POLYGENIC AND MONOGENIC FORMS OF CORONARY HEART DISEASE. Atherosclerosis Supplements, 2010, 11, 12.	1.2	0
254	S48â€...The Effect of Angiotensin-Converting Enzyme Inhibition on Skeletal Muscle Dysfunction in Chronic Obstructive Pulmonary Disease: A Randomised Controlled Trial. Thorax, 2012, 67, A25.1-A25.	5.6	0
255	S54â€...Preservation of mitochondrial oxidative capacity in critically ill patients balances reduction in mitochondrial biogenesis. Thorax, 2013, 68, A30.1-A30.	5.6	0
256	Conference, conscience and climate. Heart, 2013, 99, 13-14.	2.9	0
257	Response to Letter About Article, â€œLeft Ventricular Wall Thickness and the Presence of Asymmetric Hypertrophy in Healthy Young Army Recruits: Data From the LARGE Heart Studyâ€• Circulation: Cardiovascular Imaging, 2013, 6, e29.	2.6	0
258	S134â€...Activity monitoring in intensive care unit survivors: Assessing daily physical activity with objective outcome measures. Thorax, 2013, 68, A69.1-A69.	5.6	0
259	Use of interferon beta for acute respiratory distress syndrome: proceed with caution â€“ Authors' reply. Lancet Respiratory Medicine,the, 2014, 2, e2-e3.	10.7	0
260	SP238AKI ALERTS: USING ADDITION OF SERUM BICARBONATE TO PREDICT OUTCOMES. Nephrology Dialysis Transplantation, 2015, 30, iii456-iii457.	0.7	0
261	Postoperative morbidity after surgical aortic valve replacement or transcatheter valve implantation: a prospective cohort study. Intensive Care Medicine, 2015, 41, 1721-1722.	8.2	0
262	Fasciitis frequently accompanies myopathy in acute critical illness muscle wasting: Evidence from qualitative ultrasound and muscle biopsy analysis. Neuromuscular Disorders, 2015, 25, S250.	0.6	0
263	A practical guide to medical ethics for intensivists: Part 2. Journal of the Intensive Care Society, 2019, 20, 98-105.	2.2	0
264	Response. Chest, 2020, 158, 2708-2711.	0.8	0
265	Reply to letter â€˜Ultrasound-guided infraclavicular cannulation of the subclavian vein â€“ still an ongoing misconceptionâ€™. Journal of the Intensive Care Society, 2020, , 175114372092490.	2.2	0
266	Preventing Muscle Wasting in Critically Ill Patients by Repetitive Vascular Occlusion Stimulus (RVOS): A Pilot Feasibility Trial. , 2020, , .		0
267	Selection pressure at altitude for genes related to alcohol metabolism: A role for endogenous enteric ethanol synthesis?. Experimental Physiology, 2021, 106, 2155-2167.	2.0	0
268	ACE Genotype Is Not Associated With Elite Endurance Athlete Status In Kenyans. Medicine and Science in Sports and Exercise, 2005, 37, S167.	0.4	0
269	Humanizing critical care. Signa Vitae, 2017, 13, .	0.3	0
270	Who cares about climate?. Medical Journal of Australia, 2021, 215, 410-411.	1.7	0

#	Article	IF	Citations
271	CLIMATE CHANGE AND HEALTH: A FEBRILE PLANET. Transactions of the Medical Society of London, 2013, 130, 24-7.	0.2	0
272	Safety and Feasibility Assessment of Repetitive Vascular Occlusion Stimulus (RVOS) Application to Multi-Organ Failure Critically Ill Patients: A Pilot Randomised Controlled Trial. Journal of Clinical Medicine, 2022, 11, 3938.	2.4	0