John Kenneth Baillie

List of Publications by Year
in descending order

135 papers	35,667 citations	29994 54 h-index	12910 131 g-index
192 all docs	192 docs citations	192 times ranked	61450 citing authors

#	Article	IF	Citations
1	Dexamethasone in Hospitalized Patients with Covid-19. New England Journal of Medicine, 2021, 384, 693-704.	13.9	8,063
2	Features of 20â€‰133 UK patients in hospital with covid-19 using the ISARIC WHO Clinical Characterisation Protocol: prospective observational cohort study. BMJ, The, 2020, 369, m1985.	3.0	2,474
3	An atlas of active enhancers across human cell types and tissues. Nature, 2014, 507, 455-461.	13.7	2,269
4	A promoter-level mammalian expression atlas. Nature, 2014, 507, 462-470.	13.7	1,838
5	Clinical evidence does not support corticosteroid treatment for 2019-nCoV lung injury. Lancet, The, 2020, 395, 473-475.	6.3	1,644
6	Broad and strong memory CD4+ and CD8+ T cells induced by SARS-CoV-2 in UK convalescent individuals following COVID-19. Nature Immunology, 2020, 21, 1336-1345.	7.0	1,066
7	Genetic mechanisms of critical illness in COVID-19. Nature, 2021, 591, 92-98.	13.7	1,014
8	Effect of Hydroxychloroquine in Hospitalized Patients with Covid-19. New England Journal of Medicine, 2020, 383, 2030-2040.	13.9	1,013
9	Microglial brain regionâ€"dependent diversity and selective regional sensitivities to aging. Nature Neuroscience, 2016, 19, 504-516.	7.1	919
10	The Effectiveness of Convalescent Plasma and Hyperimmune Immunoglobulin for the Treatment of Severe Acute Respiratory Infections of Viral Etiology: A Systematic Review and Exploratory Meta-analysis. Journal of Infectious Diseases, 2015, 211, 80-90.	1.9	841
11	SARS-CoV-2 Omicron-B.1.1.529 leads to widespread escape from neutralizing antibody responses. Cell, 2022, 185, 467-484.e15.	13.5	788
12	Risk stratification of patients admitted to hospital with covid-19 using the ISARIC WHO Clinical Characterisation Protocol: development and validation of the 4C Mortality Score. BMJ, The, 2020, 370, m3339.	3.0	779
13	Gateways to the FANTOM5 promoter level mammalian expression atlas. Genome Biology, 2015, 16, 22.	3.8	687
14	Effect of Hydrocortisone on Mortality and Organ Support in Patients With Severe COVID-19. JAMA - Journal of the American Medical Association, 2020, 324, 1317.	3.8	671
15	IFITM3 restricts the morbidity and mortality associated with influenza. Nature, 2012, 484, 519-523.	13.7	668
16	Mapping the human genetic architecture of COVID-19. Nature, 2021, 600, 472-477.	13.7	640
17	Somatic retrotransposition alters the genetic landscape of the human brain. Nature, 2011, 479, 534-537.	13.7	621
18	Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells. Science, 2015, 347, 1010-1014.	6.0	517

#	Article	IF	Citations
19	Endogenous Retrotransposition Activates Oncogenic Pathways in Hepatocellular Carcinoma. Cell, 2013, 153, 101-111.	13.5	352
20	Middle East Respiratory Syndrome. New England Journal of Medicine, 2017, 376, 584-594.	13.9	351
21	An expression atlas of human primary cells: inference of gene function from coexpression networks. BMC Genomics, 2013, 14, 632.	1.2	347
22	Performance characteristics of five immunoassays for SARS-CoV-2: a head-to-head benchmark comparison. Lancet Infectious Diseases, The, 2020, 20, 1390-1400.	4.6	336
23	Conservation and divergence in Toll-like receptor 4-regulated gene expression in primary human versus mouse macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E944-53.	3.3	332
24	The 2018 Lake Louise Acute Mountain Sickness Score. High Altitude Medicine and Biology, 2018, 19, 4-6.	0.5	324
25	Tissue-Specific Immunopathology in Fatal COVID-19. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 192-201.	2.5	243
26	Effect of Noninvasive Respiratory Strategies on Intubation or Mortality Among Patients With Acute Hypoxemic Respiratory Failure and COVID-19. JAMA - Journal of the American Medical Association, 2022, 327, 546.	3.8	229
27	A gene expression atlas of the domestic pig. BMC Biology, 2012, 10, 90.	1.7	199
28	FANTOM5 CAGE profiles of human and mouse samples. Scientific Data, 2017, 4, 170112.	2.4	195
29	Antibody testing for COVID-19: A report from theÂNational COVID Scientific Advisory Panel. Wellcome Open Research, 2020, 5, 139.	0.9	179
30	SARS-CoV-2 co-infection with influenza viruses, respiratory syncytial virus, or adenoviruses. Lancet, The, 2022, 399, 1463-1464.	6.3	178
31	Whole-genome sequencing reveals host factors underlying critical COVID-19. Nature, 2022, 607, 97-103.	13.7	174
32	Outcome of Hospitalization for COVID-19 in Patients with Interstitial Lung Disease. An International Multicenter Study. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1656-1665.	2.5	171
33	Analysis of the human monocyte-derived macrophage transcriptome and response to lipopolysaccharide provides new insights into genetic aetiology of inflammatory bowel disease. PLoS Genetics, 2017, 13, e1006641.	1.5	161
34	Inflammatory profiles across the spectrum of disease reveal a distinct role for GM-CSF in severe COVID-19. Science Immunology, 2021, 6, .	5.6	161
35	Development and validation of the ISARIC 4C Deterioration model for adults hospitalised with COVID-19: a prospective cohort study. Lancet Respiratory Medicine,the, 2021, 9, 349-359.	5.2	161
36	Antiviral combinations for severe influenza. Lancet Infectious Diseases, The, 2014, 14, 1259-1270.	4.6	159

#	Article	IF	Citations
37	Genome-wide CRISPR screen identifies host dependency factors for influenza A virus infection. Nature Communications, 2020, 11, 164.	5.8	136
38	Redefining critical illness. Nature Medicine, 2022, 28, 1141-1148.	15.2	136
39	The utility of peripheral blood leucocyte ratios as biomarkers in infectious diseases: A systematic review and meta-analysis. Journal of Infection, 2019, 78, 339-348.	1.7	131
40	A prenylated dsRNA sensor protects against severe COVID-19. Science, 2021, 374, eabj3624.	6.0	124
41	Functional clustering and lineage markers: Insights into cellular differentiation and gene function from large-scale microarray studies of purified primary cell populations. Genomics, 2010, 95, 328-338.	1.3	112
42	Characterisation of in-hospital complications associated with COVID-19 using the ISARIC WHO Clinical Characterisation Protocol UK: a prospective, multicentre cohort study. Lancet, The, 2021, 398, 223-237.	6.3	110
43	Functional annotation of human long noncoding RNAs via molecular phenotyping. Genome Research, 2020, 30, 1060-1072.	2.4	109
44	The Role of Host Genetics in Susceptibility to Influenza: AÂSystematic Review. PLoS ONE, 2012, 7, e33180.	1.1	98
45	Oral antioxidant supplementation does not prevent acute mountain sickness: double blind, randomized placebo-controlled trial. QJM - Monthly Journal of the Association of Physicians, 2009, 102, 341-348.	0.2	85
46	Open source clinical science for emerging infections. Lancet Infectious Diseases, The, 2014, 14, 8-9.	4.6	82
47	Meta-analysis of lineage-specific gene expression signatures in mouse leukocyte populations. Immunobiology, 2010, 215, 724-736.	0.8	81
48	Sepsis Subclasses: A Framework for Development and Interpretation*. Critical Care Medicine, 2021, 49, 748-759.	0.4	81
49	Changes in in-hospital mortality in the first wave of COVID-19: a multicentre prospective observational cohort study using the WHO Clinical Characterisation Protocol UK. Lancet Respiratory Medicine,the, 2021, 9, 773-785.	5.2	78
50	Hospital-acquired SARS-CoV-2 infection in the UK's first COVID-19 pandemic wave. Lancet, The, 2021, 398, 1037-1038.	6.3	75
51	Multi-ancestry fine mapping implicates OAS1 splicing in risk of severe COVID-19. Nature Genetics, 2022, 54, 125-127.	9.4	75
52	Host susceptibility to severe influenza A virus infection. Critical Care, 2019, 23, 303.	2.5	73
53	Pan-ancestry exome-wide association analyses of COVID-19 outcomes in 586,157 individuals. American Journal of Human Genetics, 2021, 108, 1350-1355.	2.6	72
54	Modelling mutational and selection pressures on dinucleotides in eukaryotic phyla â€“selection against CpG and UpA in cytoplasmically expressed RNA and in RNA viruses. BMC Genomics, 2013, 14, 610.	1.2	71

#	Article	IF	Citations
55	COVID-19 symptoms at hospital admission vary with age and sex: results from the ISARIC prospective multinational observational study. Infection, 2021, 49, 889-905.	2.3	62
56	Incidence and predictors of acute mountain sickness among trekkers on Mount Kilimanjaro. High Altitude Medicine and Biology, 2010, 11, 217-222.	0.5	58
57	A haemagglutination test for rapid detection of antibodies to SARS-CoV-2. Nature Communications, 2021, 12, 1951.	5.8	54
58	Endogenous Urate Production Augments Plasma Antioxidant Capacity in Healthy Lowland Subjects Exposed to High Altitude. Chest, 2007, 131, 1473-1478.	0.4	52
59	Amplicon-Based Detection and Sequencing of SARS-CoV-2 in Nasopharyngeal Swabs from Patients With COVID-19 and Identification of Deletions in the Viral Genome That Encode Proteins Involved in Interferon Antagonism. Viruses, 2020, 12, 1164.	1.5	51
60	Expression of mesenchyme-specific gene signatures by follicular dendritic cells: insights from the meta-analysis of microarray data from multiple mouse cell populations. Immunology, 2011, 133, 482-498.	2.0	50
61	Influenza â€" Time to Target the Host?. New England Journal of Medicine, 2013, 369, 191-193.	13.9	50
62	Network Analysis Reveals Distinct Clinical Syndromes Underlying Acute Mountain Sickness. PLoS ONE, 2014, 9, e81229.	1.1	48
63	The effect of dexmedetomidine and clonidine on the inflammatory response in critical illness: a systematic review of animal and human studies. Critical Care, 2019, 23, 402.	2.5	42
64	Endomembrane targeting of human OAS1 p46 augments antiviral activity. ELife, 2021, 10, .	2.8	41
65	Global outbreak research: harmony not hegemony. Lancet Infectious Diseases, The, 2020, 20, 770-772.	4.6	40
66	Change in plasma vascular endothelial growth factor during onset and recovery from acute mountain sickness. Respiratory Medicine, 2007, 101, 587-594.	1.3	39
67	An updated systematic review of the role of host genetics in susceptibility to influenza. Influenza and Other Respiratory Viruses, 2013, 7, 37-41.	1.5	39
68	Transcriptional profiling of the human fibrillin/LTBP gene family, key regulators of mesenchymal cell functions. Molecular Genetics and Metabolism, 2014, 112, 73-83.	0.5	39
69	Treatable traits and therapeutic targets: Goals for systems biology in infectious disease. Current Opinion in Systems Biology, 2017, 2, 140-146.	1.3	37
70	Obesity, Ethnicity, and Risk of Critical Care, Mechanical Ventilation, and Mortality in Patients Admitted to Hospital with COVIDâ€19: Analysis of the ISARIC CCPâ€UK Cohort. Obesity, 2021, 29, 1223-1230.	1.5	34
71	SARS-CoV-2 environmental contamination from hospitalised patients with COVID-19 receiving aerosol-generating procedures. Thorax, 2022, 77, 259-267.	2.7	34
72	Hybrid Gene Origination Creates Human-Virus Chimeric Proteins during Infection. Cell, 2020, 181, 1502-1517.e23.	13.5	33

#	Article	IF	Citations
73	Subtractive CRISPR screen identifies the ATG16L1/vacuolar ATPase axis as required for non-canonical LC3 lipidation. Cell Reports, 2021, 37, 109899.	2.9	33
74	Sildenafil Citrate for the Prevention of High Altitude Hypoxic Pulmonary Hypertension: Double Blind, Randomized, Placebo-Controlled Trial. High Altitude Medicine and Biology, 2011, 12, 207-214.	0.5	32
75	High altitude adaptation in Daghestani populations from the Caucasus. Human Genetics, 2012, 131, 423-433.	1.8	31
76	Dynamic data-driven meta-analysis for prioritisation of host genes implicated in COVID-19. Scientific Reports, 2020, 10, 22303.	1.6	31
77	Targeting the host immune response to fight infection. Science, 2014, 344, 807-808.	6.0	30
78	Thromboelastometry and Platelet Function during Acclimatization to High Altitude. Thrombosis and Haemostasis, 2018, 118, 063-071.	1.8	30
79	A common TMPRSS2 variant has a protective effect against severe COVID-19. Current Research in Translational Medicine, 2022, 70, 103333.	1.2	30
80	Linking protein to phenotype with Mendelian Randomization detects 38 proteins with causal roles in human diseases and traits. PLoS Genetics, 2020, 16, e1008785.	1.5	29
81	RECOVERY- Respiratory Support: Respiratory Strategies for patients with suspected or proven COVID-19 respiratory failure; Continuous Positive Airway Pressure, High-flow Nasal Oxygen, and standard care: A structured summary of a study protocol for a randomised controlled trial. Trials, 2020, 21, 687.	0.7	28
82	Understanding the burden of interstitial lung disease post-COVID-19: the UK Interstitial Lung Disease-Long COVID Study (UKILD-Long COVID). BMJ Open Respiratory Research, 2021, 8, e001049.	1.2	28
83	Tissue Proteomic Analysis Identifies Mechanisms and Stages of Immunopathology in Fatal COVID-19. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 196-205.	1.4	26
84	The mechanism of action of gabapentin in neuropathic pain. Current Opinion in Investigational Drugs, 2006, 7, 33-9.	2.3	26
85	High Altitude Pulmonary Oedema. Journal of the Royal Army Medical Corps, 2011, 157, 68-72.	0.8	25
86	Wide variation and systematic bias in expert cliniciansâ€™ perceptions of prognosis following brain injury. British Journal of Neurosurgery, 2013, 27, 340-343.	0.4	25
87	Using imaging to combat a pandemic: rationale for developing the UK National COVID-19 Chest Imaging Database. European Respiratory Journal, 2020, 56, 2001809.	3.1	24
88	Molecular Patterns in Acute Pancreatitis Reflect Generalizable Endotypes of the Host Response to Systemic Injury in Humans. Annals of Surgery, 2022, 275, e453-e462.	2.1	24
89	Prospective validation of the 4C prognostic models for adults hospitalised with COVID-19 using the ISARIC WHO Clinical Characterisation Protocol. Thorax, 2022, 77, 606-615.	2.7	24
90	Fatal COVID-19 outcomes are associated with an antibody response targeting epitopes shared with endemic coronaviruses. JCI Insight, 2022, 7, .	2.3	24

#	Article	IF	Citations
91	An evidence-based framework for priority clinical research questions for COVID-19. Journal of Global Health, 2020, 10, .	1.2	22
92	Common, low-frequency, rare, and ultra-rare coding variants contribute to COVID-19 severity. Human Genetics, 2022, 141, 147-173.	1.8	22
93	COVID-19 pneumothorax in the UK: a prospective observational study using the ISARIC WHO clinical characterisation protocol. European Respiratory Journal, 2021, 58, 2100929.	3.1	21
94	The value of open-source clinical science in pandemic response: lessons from ISARIC. Lancet Infectious Diseases, The, 2021, 21, 1623-1624.	4.6	21
95	Hypoxia shapes the immune landscape in lung injury and promotes the persistence of inflammation. Nature Immunology, 2022, 23, 927-939.	7.0	21
96	Morphine, Gabapentin, or Their Combination for Neuropathic Pain. New England Journal of Medicine, 2005, 352, 2650-2651.	13.9	20
97	Contamination of anaesthetic machines with pathogenic organisms*. Anaesthesia, 2007, 62, 1257-1261.	1.8	20
98	NT-proBNP Does Not Rise on Acute Ascent to High Altitude. High Altitude Medicine and Biology, 2008, 9, 307-310.	0.5	20
99	Genetic Landscape of the ACE2 Coronavirus Receptor. Circulation, 2022, 145, 1398-1411.	1.6	20
100	Endothelial Nitric Oxide Synthase Polymorphisms Do Not Influence Pulmonary Artery Systolic Pressure at Altitude. High Altitude Medicine and Biology, 2006, 7, 221-227.	0.5	19
101	Obesity, chronic disease, age, and in-hospital mortality in patients with covid-19: analysis of ISARIC clinical characterisation protocol UK cohort. BMC Infectious Diseases, 2021, 21, 717.	1.3	19
102	Identification of Novel Genes Selectively Expressed in the Follicle-Associated Epithelium from the Meta-Analysis of Transcriptomics Data from Multiple Mouse Cell and Tissue Populations. DNA Research, 2012, 19, 407-422.	1.5	17
103	The Search for Efficacious New Therapies in Sepsis Needs to Embrace Heterogeneity. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 936-938.	2.5	17
104	Shared activity patterns arising at genetic susceptibility loci reveal underlying genomic and cellular architecture of human disease. PLoS Computational Biology, 2018, 14, e1005934.	1.5	17
105	Is somatic retrotransposition a parasitic or symbiotic phenomenon?. Mobile Genetic Elements, 2011, 1, 279-328.	1.8	14
106	Comprehensive Characterization of Transcriptional Activity during Influenza A Virus Infection Reveals Biases in Cap-Snatching of Host RNA Sequences. Journal of Virology, 2020, 94, .	1.5	14
107	Retinal Vessel Tortuosity in Response to Hypobaric Hypoxia. High Altitude Medicine and Biology, 2012, 13, 263-268.	0.5	12
108	Hypoxia Modulates Platelet Purinergic Signalling Pathways. Thrombosis and Haemostasis, 2020, 120, 253-261.	1.8	12

#	Article	IF	Citations
109	Distinct clinical symptom patterns in patients hospitalised with COVID-19 in an analysis of 59,011 patients in the ISARIC-4C study. Scientific Reports, 2022, 12, 6843.	1.6	12
110	Discovery of widespread transcription initiation at microsatellites predictable by sequence-based deep neural network. Nature Communications, 2021, 12, 3297.	5.8	11
111	Global infectious disease research collaborations in crises: building capacity and inclusivity through cooperation. Globalization and Health, 2021, 17, 84.	2.4	11
112	An evidence-based framework for priority clinical research questions for COVID-19. Journal of Global Health, 2020, 10, 011001.	1.2	11
113	Passage of pathogenic microorganisms through breathing system filters used in anaesthesia and intensive care. Anaesthesia, 2010, 65, 670-673.	1.8	10
114	Developing Novel Host-Based Therapies Targeting Microbicidal Responses in Macrophages and Neutrophils to Combat Bacterial Antimicrobial Resistance. Frontiers in Immunology, 2020, 11, 786.	2.2	10
115	Vitamin D insufficiency in COVID-19 and influenza A, and critical illness survivors: a cross-sectional study. BMJ Open, 2021, 11, e055435.	0.8	10
116	Procalcitonin Is Not a Reliable Biomarker of Bacterial Coinfection in People With Coronavirus Disease 2019 Undergoing Microbiological Investigation at the Time of Hospital Admission. Open Forum Infectious Diseases, 2022, 9, ofac179.	0.4	10
117	Multiomic analysis reveals cell-type-specific molecular determinants of COVID-19 severity. Cell Systems, 2022, 13, 598-614.e6.	2.9	10
118	Clonal hematopoiesis is not significantly associated with COVID-19 disease severity. Blood, 2022, 140, 1650-1655.	0.6	10
119	Analysis of SARS-CoV-2 in Nasopharyngeal Samples from Patients with COVID-19 Illustrates Population Variation and Diverse Phenotypes, Placing the Growth Properties of Variants of Concern in Context with Other Lineages. MSphere, 2022, 7, e0091321.	1.3	8
120	Analysis of SARS-CoV-2 known and novel subgenomic mRNAs in cell culture, animal model, and clinical samples using LeTRS, a bioinformatic tool to identify unique sequence identifiers. GigaScience, 2022, 11, .	3.3	8
121	Pericardial effusions in healthy lowlanders after acute ascent to high altitude. Heart, 2005, 92, 539-540.	1.2	6
122	Simple, easily memorised "rules of thumb" for the rapid assessment of physiological compensation for respiratory acid-base disorders. Thorax, 2008, 63, 289-290.	2.7	6
123	Deciding authorship order. BMJ, The, 2013, 347, f7182-f7182.	3.0	6
124	Predictive validity of a novel non-invasive estimation of effective shunt fraction in critically ill patients. Intensive Care Medicine Experimental, 2019, 7, 49.	0.9	6
125	Histological Evidence of Pulmonary Microthrombosis and Vasculitis in Life-Threatening Respiratory Virus Diseases. Open Forum Infectious Diseases, 2021, 8, ofaa640.	0.4	6
126	Mapping of SARS-CoV-2 IgM and IgG in gingival crevicular fluid: Antibody dynamics and linkage to severity of COVID-19 in hospital inpatients. Journal of Infection, 2022, 85, 152-160.	1.7	6

#	Article	IF	Citations
127	The citric acid cough threshold and the ventilatory response to carbon dioxide on ascent to high altitude. Respiratory Medicine, 2009, 103, 1182-1188.	1.3	5
128	Activated protein C: controversy and hope in the treatment of sepsis. Current Opinion in Investigational Drugs, 2007, 8, 933-8.	2.3	3
129	Soluble P-Selectin and von Willebrand Factor Rise in Healthy Volunteers Following Non-exertional Ascent to High Altitude. Frontiers in Physiology, 2022, 13, 825819.	1.3	3
130	Stratified infection medicine: a call to arms. Lancet Infectious Diseases, The, 2014, 14, 451.	4.6	2
131	A Common TMPRSS2 Variant Protects Against Severe COVID-19. SSRN Electronic Journal, 0, , .	0.4	2
132	Two Key Takeaways From a Year of Pandemic Research. Critical Care Medicine, 2021, Publish Ahead of Print, 1223-1226.	0.4	1
133	Measurement errors caused by incompatibility of apparatus. European Journal of Anaesthesiology, 2009, 26, 977-980.	0.7	0
134	Complete genome sequence of methicillin-sensitive Staphylococcus aureus containing a heterogeneic staphylococcal cassette chromosome element. Science China Life Sciences, 2013, 56, 268-274.	2.3	0
135	Letter to the Editor: Response to Luke Fletcher and Philip Peyton regarding â€œPredictive validity of a novel non-invasive estimation of effective shunt fraction in critically ill patientsâ€• Intensive Care Medicine Experimental, 2020, 8, 57.	0.9	0