

Mark R Toshner

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109
papers

7,830
citations

40
h-index

88
g-index

128
ext. papers

12,561
ext. citations

12.4
avg, IF

5.11
L-index

#	Paper	IF	Citations
109	Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK. <i>Lancet, The</i> , 2021 , 397, 99-111	40	2110
108	Single-dose administration and the influence of the timing of the booster dose on immunogenicity and efficacy of ChAdOx1 nCoV-19 (AZD1222) vaccine: a pooled analysis of four randomised trials. <i>Lancet, The</i> , 2021 , 397, 881-891	40	495
107	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. <i>Nature</i> , 2021 , 599, 114-119	50.4	334
106	Efficacy of ChAdOx1 nCoV-19 (AZD1222) vaccine against SARS-CoV-2 variant of concern 202012/01 (B.1.1.7): an exploratory analysis of a randomised controlled trial. <i>Lancet, The</i> , 2021 , 397, 1351-1362	40	316
105	Screening of healthcare workers for SARS-CoV-2 highlights the role of asymptomatic carriage in COVID-19 transmission. <i>ELife</i> , 2020 , 9,	8.9	302
104	Imatinib in pulmonary arterial hypertension patients with inadequate response to established therapy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 1171-7	10.2	276
103	Comprehensive Rare Variant Analysis via Whole-Genome Sequencing to Determine the Molecular Pathology of Inherited Retinal Disease. <i>American Journal of Human Genetics</i> , 2017 , 100, 75-90	11	235
102	Dynamic Risk Stratification of Patient Long-Term Outcome After Pulmonary Endarterectomy: Results From the United Kingdom National Cohort. <i>Circulation</i> , 2016 , 133, 1761-71	16.7	203
101	Long-term use of sildenafil in inoperable chronic thromboembolic pulmonary hypertension. <i>Chest</i> , 2008 , 134, 229-236	5.3	192
100	Identification of rare sequence variation underlying heritable pulmonary arterial hypertension. <i>Nature Communications</i> , 2018 , 9, 1416	17.4	182
99	Evidence of dysfunction of endothelial progenitors in pulmonary arterial hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 180, 780-7	10.2	171
98	Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2. <i>Nature</i> , 2021 , 596, 417-424	52.4	163
97	Outcome of pulmonary endarterectomy in symptomatic chronic thromboembolic disease. <i>European Respiratory Journal</i> , 2014 , 44, 1635-45	13.6	140
96	Whole-genome sequencing of patients with rare diseases in a national health system. <i>Nature</i> , 2020 , 583, 96-102	50.4	139
95	Azithromycin in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial. <i>Lancet, The</i> , 2021 , 397, 605-612	40	117
94	Single-cell multi-omics analysis of the immune response in COVID-19. <i>Nature Medicine</i> , 2021 , 27, 904-916	50.5	101
93	HIF2 β arginase axis is essential for the development of pulmonary hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8801-6	11.5	97

92	Plasma Metabolomics Implicates Modified Transfer RNAs and Altered Bioenergetics in the Outcomes of Pulmonary Arterial Hypertension. <i>Circulation</i> , 2017 , 135, 460-475	16.7	96
91	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts tropism and fusogenicity.. <i>Nature</i> , 2022 ,	50.4	95
90	The pulmonary endothelium in acute respiratory distress syndrome: insights and therapeutic opportunities. <i>Thorax</i> , 2016 , 71, 462-73	7.3	94
89	Bone morphogenetic protein receptor type II deficiency and increased inflammatory cytokine production. A gateway to pulmonary arterial hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 859-72	10.2	89
88	Neutrophil Extracellular Traps Promote Angiogenesis: Evidence From Vascular Pathology in Pulmonary Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 2078-87	9.4	83
87	The lysosomal inhibitor, chloroquine, increases cell surface BMPR-II levels and restores BMP9 signalling in endothelial cells harbouring BMPR-II mutations. <i>Human Molecular Genetics</i> , 2013 , 22, 3667-79 ⁵⁶	5.6	77
86	Phenotypic Characterization of Mutation Carriers in a Large Cohort of Patients Diagnosed Clinically With Pulmonary Arterial Hypertension. <i>Circulation</i> , 2017 , 136, 2022-2033	16.7	75
85	Whole-genome sequencing of a sporadic primary immunodeficiency cohort. <i>Nature</i> , 2020 , 583, 90-95	50.4	69
84	Impaired natural killer cell phenotype and function in idiopathic and heritable pulmonary arterial hypertension. <i>Circulation</i> , 2012 , 126, 1099-109	16.7	68
83	Reactogenicity and immunogenicity after a late second dose or a third dose of ChAdOx1 nCoV-19 in the UK: a substudy of two randomised controlled trials (COV001 and COV002). <i>Lancet, The</i> , 2021 , 398, 981-990	4.0	68
82	Unexplained iron deficiency in idiopathic and heritable pulmonary arterial hypertension. <i>Thorax</i> , 2011 , 66, 326-32	7.3	65
81	Decreased time constant of the pulmonary circulation in chronic thromboembolic pulmonary hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H259-64	5.2	64
80	Fibrinogen Aalpha Thr312Ala polymorphism is associated with chronic thromboembolic pulmonary hypertension. <i>European Respiratory Journal</i> , 2008 , 31, 736-41	13.6	64
79	Physical, cognitive, and mental health impacts of COVID-19 after hospitalisation (PHOSP-COVID): a UK multicentre, prospective cohort study. <i>Lancet Respiratory Medicine, the</i> , 2021 , 9, 1275-1287	35.1	58
78	Genetic determinants of risk in pulmonary arterial hypertension: international genome-wide association studies and meta-analysis. <i>Lancet Respiratory Medicine, the</i> , 2019 , 7, 227-238	35.1	55
77	Longitudinal analysis reveals that delayed bystander CD8+ T cell activation and early immune pathology distinguish severe COVID-19 from mild disease. <i>Immunity</i> , 2021 , 54, 1257-1275.e8	32.3	52
76	Clinical trial protocol for TRANSFORM-UK: A therapeutic open-label study of tocilizumab in the treatment of pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2018 , 8, 2045893217735820	2.7	49
75	Characterization of Mutations and Levels of BMP9 and BMP10 in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 575-585	10.2	46

74	A multicenter study of anticoagulation in operable chronic thromboembolic pulmonary hypertension. <i>Journal of Thrombosis and Haemostasis</i> , 2020 , 18, 114-122	15.4	45
73	A practical and efficient cellular substrate for the generation of induced pluripotent stem cells from adults: blood-derived endothelial progenitor cells. <i>Stem Cells Translational Medicine</i> , 2012 , 1, 855-65	6.9	44
72	Role of NT-proBNP and 6MWD in chronic thromboembolic pulmonary hypertension. <i>Respiratory Medicine</i> , 2007 , 101, 2254-62	4.6	42
71	Combined Point-of-Care Nucleic Acid and Antibody Testing for SARS-CoV-2 following Emergence of D614G Spike Variant. <i>Cell Reports Medicine</i> , 2020 , 1, 100099	18	40
70	Single-dose BNT162b2 vaccine protects against asymptomatic SARS-CoV-2 infection. <i>ELife</i> , 2021 , 10,	8.9	40
69	Transcript analysis reveals a specific HOX signature associated with positional identity of human endothelial cells. <i>PLoS ONE</i> , 2014 , 9, e91334	3.7	37
68	Point of Care Nucleic Acid Testing for SARS-CoV-2 in Hospitalized Patients: A Clinical Validation Trial and Implementation Study. <i>Cell Reports Medicine</i> , 2020 , 1, 100062	18	37
67	Generation and Culture of Blood Outgrowth Endothelial Cells from Human Peripheral Blood. <i>Journal of Visualized Experiments</i> , 2015 , e53384	1.6	34
66	Loss-of-Function ABCC8 Mutations in Pulmonary Arterial Hypertension. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11, e002087	5.2	33
65	Occlusion pressure analysis role in partitioning of pulmonary vascular resistance in CTEPH. <i>European Respiratory Journal</i> , 2012 , 40, 612-7	13.6	31
64	Effective control of SARS-CoV-2 transmission between healthcare workers during a period of diminished community prevalence of COVID-19. <i>ELife</i> , 2020 , 9,	8.9	31
63	Balloon pulmonary angioplasty for inoperable chronic thromboembolic pulmonary hypertension: the UK experience. <i>Open Heart</i> , 2020 , 7, e001144	3	29
62	Acute haemodynamic responses to inhaled nitric oxide and intravenous sildenafil in distal chronic thromboembolic pulmonary hypertension (CTEPH). <i>Vascular Pharmacology</i> , 2007 , 46, 449-55	5.9	28
61	Comprehensive Cancer-Predisposition Gene Testing in an Adult Multiple Primary Tumor Series Shows a Broad Range of Deleterious Variants and Atypical Tumor Phenotypes. <i>American Journal of Human Genetics</i> , 2018 , 103, 3-18	11	27
60	Demographic features, BMPR2 status and outcomes in distal chronic thromboembolic pulmonary hypertension. <i>Thorax</i> , 2007 , 62, 617-22	7.3	26
59	The CRASH report: emergency management dilemmas facing acute physicians in patients with pulmonary arterial hypertension. <i>Thorax</i> , 2017 , 72, 1035-1045	7.3	20
58	AZD1222/ChAdOx1 nCoV-19 vaccination induces a polyfunctional spike protein-specific T1 response with a diverse TCR repertoire. <i>Science Translational Medicine</i> , 2021 , 13, eabj7211	17.5	20
57	Hepatic Shunting of Eggs and Pulmonary Vascular Remodeling in Bmpr2(+/-) Mice with Schistosomiasis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 1355-65	10.2	19

56	The resistance-compliance product of the pulmonary circulation varies in health and pulmonary vascular disease. <i>Physiological Reports</i> , 2015 , 3, e12363	2.6	19
55	De Novo Truncating Mutations in WASF1 Cause Intellectual Disability with Seizures. <i>American Journal of Human Genetics</i> , 2018 , 103, 144-153	11	18
54	Bi-allelic Loss-of-Function CACNA1B Mutations in Progressive Epilepsy-Dyskinesia. <i>American Journal of Human Genetics</i> , 2019 , 104, 948-956	11	17
53	Traffic exposures, air pollution and outcomes in pulmonary arterial hypertension: a UK cohort study analysis. <i>European Respiratory Journal</i> , 2019 , 53,	13.6	17
52	NT-proBNP does not rise on acute ascent to high altitude. <i>High Altitude Medicine and Biology</i> , 2008 , 9, 307-10	1.9	17
51	Tricuspid regurgitation and the right ventricle in risk stratification and timing of intervention. <i>Echo Research and Practice</i> , 2019 , 6, R25-R39	2	17
50	Physical, cognitive and mental health impacts of COVID-19 following hospitalisation in a multi-centre prospective cohort study		17
49	The ADAMTS13-VWF axis is dysregulated in chronic thromboembolic pulmonary hypertension. <i>European Respiratory Journal</i> , 2019 , 53,	13.6	16
48	Pulmonary hypertension: advances in pathogenesis and treatment. <i>British Medical Bulletin</i> , 2010 , 94, 21-32	5.4	16
47	Pulmonary arterial size and response to sildenafil in chronic thromboembolic pulmonary hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2010 , 29, 610-5	5.8	15
46	Biallelic Mutation of ARHGEF18, Involved in the Determination of Epithelial Apicobasal Polarity, Causes Adult-Onset Retinal Degeneration. <i>American Journal of Human Genetics</i> , 2017 , 100, 334-342	11	14
45	Whole-Blood RNA Profiles Associated with Pulmonary Arterial Hypertension and Clinical Outcome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 586-594	10.2	14
44	Endothelial progenitor cells in pulmonary hypertension - dawn of cell-based therapy?. <i>International Journal of Clinical Practice</i> , 2010 , 64, 7-12	2.9	13
43	Modulation of endothelin receptors in the failing right ventricle of the heart and vasculature of the lung in human pulmonary arterial hypertension. <i>Life Sciences</i> , 2014 , 118, 391-6	6.8	12
42	Chronic thromboembolic pulmonary hypertension: time for research in pathophysiology to catch up with developments in treatment. <i>F1000prime Reports</i> , 2014 , 6, 38		12
41	Log-transformation improves the prognostic value of serial NT-proBNP levels in apparently stable pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2011 , 1, 244-9	2.7	10
40	Limitations of resting haemodynamics in chronic thromboembolic disease without pulmonary hypertension. <i>European Respiratory Journal</i> , 2019 , 53,	13.6	10
39	Approaches to treat pulmonary arterial hypertension by targeting BMPR2: from cell membrane to nucleus. <i>Cardiovascular Research</i> , 2021 , 117, 2309-2325	9.9	10

38	Bayesian Inference Associates Rare Variants with Specific Phenotypes in Pulmonary Arterial Hypertension. <i>Circulation Genomic and Precision Medicine</i> , 2020 ,	5.2	9
37	EmPHasis-10 health-related quality of life score predicts outcomes in patients with idiopathic and connective tissue disease-associated pulmonary arterial hypertension: results from a UK multicentre study. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	9
36	Plasma metabolomics exhibit response to therapy in chronic thromboembolic pulmonary hypertension. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	9
35	Thromboembolic Risk in Hospitalized and Nonhospitalized COVID-19 Patients: A Self-Controlled Case Series Analysis of a Nationwide Cohort. <i>Mayo Clinic Proceedings</i> , 2021 , 96, 2587-2597	6.4	9
34	CAMPHOR score: patient-reported outcomes are improved by pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	8
33	The outcome of reoperative pulmonary endarterectomy surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018 , 26, 932-937	1.8	7
32	Mendelian randomisation and experimental medicine approaches to IL-6 as a drug target in PAH. <i>European Respiratory Journal</i> , 2021 ,	13.6	6
31	Arrhythmic Burden and Outcomes in Pulmonary Arterial Hypertension. <i>Frontiers in Medicine</i> , 2019 , 6, 169	4.9	5
30	Risk of potentially life-threatening thyroid dysfunction due to amiodarone in idiopathic pulmonary arterial hypertension patients. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 997-8	15.1	5
29	Repurposing of medications for pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2020 , 10, 2045894020941494	2.7	5
28	Hematopoietic stem cell transplantation alters susceptibility to pulmonary hypertension in Bmpr2-deficient mice. <i>Pulmonary Circulation</i> , 2018 , 8, 2045894018801642	2.7	5
27	Serial right heart catheter assessment between balloon pulmonary angioplasty sessions identify procedural factors that influence response to treatment. <i>Journal of Heart and Lung Transplantation</i> , 2021 , 40, 1223-1234	5.8	5
26	How achievable are COVID-19 clinical trial recruitment targets? A UK observational cohort study and trials registry analysis. <i>BMJ Open</i> , 2020 , 10, e044566	3	4
25	BMP9 Morphs into a Potential Player in Portopulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 819-821	10.2	4
24	Delayed bystander CD8 T cell activation, early immune pathology and persistent dysregulation characterise severe COVID-19		4
23	The potential effects of pregnancy in a patient with idiopathic pulmonary arterial hypertension responding to calcium channel blockade. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	3
22	Age should not be a barrier for pulmonary endarterectomy in carefully selected patients. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	3
21	Current differences in referral patterns for pulmonary endarterectomy in the UK. <i>European Respiratory Journal</i> , 2008 , 32, 660-3	13.6	3

20	Bayesian inference associates rare KDR variants with specific phenotypes in pulmonary arterial hypertension		3
19	Myeloid angiogenic cells exhibit impaired migration, reduced expression of endothelial markers, and increased apoptosis in idiopathic pulmonary arterial hypertension. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019 , 97, 306-312	2.4	3
18	Evaluation and management of patients with chronic thromboembolic pulmonary hypertension - consensus statement from the ISHLT. <i>Journal of Heart and Lung Transplantation</i> , 2021 , 40, 1301-1326	5.8	3
17	The impact of hypoxia on B cells in COVID-19.. <i>EBioMedicine</i> , 2022 , 77, 103878	8.8	3
16	Chronic thromboembolic pulmonary hypertension following long-term peripherally inserted central venous catheter use. <i>Pulmonary Circulation</i> , 2019 , 9, 2045894019859474	2.7	2
15	CASPA (CArdiac Sarcoidosis in PAPworth) improving the diagnosis of cardiac involvement in patients with pulmonary sarcoidosis: protocol for a prospective observational cohort study. <i>BMJ Open Respiratory Research</i> , 2020 , 7,	5.6	2
14	Response to letter to the Editor: Direct oral anticoagulants in thrombotic antiphospholipid syndrome associated with chronic thromboembolic pulmonary hypertension. <i>Journal of Thrombosis and Haemostasis</i> , 2020 , 18, 756-757	15.4	1
13	Reply to "Letter to the editor: Pulsatile pulmonary artery pressure: are fluid-filled catheters accurate in pulmonary hypertension?S". <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1682	5.2	1
12	Biological heterogeneity in idiopathic pulmonary arterial hypertension identified through unsupervised transcriptomic profiling of whole blood. <i>Nature Communications</i> , 2021 , 12, 7104	17.4	1
11	Deprivation and prognosis in patients with pulmonary arterial hypertension: missing the effect of deprivation on a rare disease?. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	1
10	Factor V is an immune inhibitor that is expressed at increased levels in leukocytes of patients with severe Covid-19		1
9	Vascular Thrombosis in Severe Coronavirus Disease 2019 Requiring Extracorporeal Membrane Oxygenation: A Multicenter Study. <i>Critical Care Medicine</i> , 2021 ,	1.4	1
8	Positioning imatinib for pulmonary arterial hypertension: A phase I/II design comprising dose finding and single-arm efficacy. <i>Pulmonary Circulation</i> , 2021 , 11, 20458940211052823	2.7	1
7	Coagulation Factor V is a T cell inhibitor expressed by leukocytes in COVID-19.. <i>IScience</i> , 2022 , 103971	6.1	1
6	A minimal clinically important difference measured by the Cambridge Pulmonary Hypertension Outcome Review for patients with idiopathic pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2021 , 11, 2045894021995055	2.7	0
5	Challenges and opportunities for conducting a vaccine trial during the COVID-19 pandemic in the United Kingdom. <i>Clinical Trials</i> , 2021 , 18, 615-621	2.2	0
4	Increased Antielastase Activity in Idiopathic Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 59, 652-655	5.7	0
3	The prognostic ability of cardiac output determined by inert gas rebreathing technique in pulmonary hypertension.. <i>Chronic Respiratory Disease</i> , 2022 , 19, 14799731221078473	3	0

- 2 Response to: Direct oral anticoagulants: Still too early for prime time after pulmonary endarterectomy?. *Journal of Thrombosis and Haemostasis*, **2020**, 18, 759-761 15.4
- 1 Treatment options in pulmonary arterial hypertension. *Future Prescriber*, **2007**, 8, 5-8