

# A John Simpson

## List of Publications by Year in descending order

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90  
papers

5,513  
citations

94269

37  
h-index

88477

70  
g-index

97  
all docs

97  
docs citations

97  
times ranked

8446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ventilator-Associated Pneumonia Is Characterized by Excessive Release of Neutrophil Proteases in the Lung. <i>Chest</i> , 2012, 142, 1425-1432.	0.4	588
2	Single-cell multi-omics analysis of the immune response in COVID-19. <i>Nature Medicine</i> , 2021, 27, 904-916.	15.2	452
3	Regulation of Transforming Growth Factor- $\beta$ -driven Lung Fibrosis by Galectin-3. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 185, 537-546.	2.5	425
4	Ly6C <sup>hi</sup> Monocytes Direct Alternatively Activated Profibrotic Macrophage Regulation of Lung Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 569-581.	2.5	383
5	Recent human-to-poultry host jump, adaptation, and pandemic spread of <i>Staphylococcus aureus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19545-19550.	3.3	363
6	A Randomized Controlled Trial of Nebulized Gentamicin in Non-Cystic Fibrosis Bronchiectasis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 491-499.	2.5	264
7	The human cationic host defense peptide LL-37 mediates contrasting effects on apoptotic pathways in different primary cells of the innate immune system. <i>Journal of Leukocyte Biology</i> , 2006, 80, 509-520.	1.5	140
8	Galectin-3 Reduces the Severity of Pneumococcal Pneumonia by Augmenting Neutrophil Function. <i>American Journal of Pathology</i> , 2008, 172, 395-405.	1.9	132
9	Target inhibition of galectin-3 by inhaled TD139 in patients with idiopathic pulmonary fibrosis. <i>European Respiratory Journal</i> , 2021, 57, 2002559.	3.1	106
10	Monocytes Control Second-Phase Neutrophil Emigration in Established Lipopolysaccharide-induced Murine Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 514-524.	2.5	104
11	C5a Mediates Peripheral Blood Neutrophil Dysfunction in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 19-28.	2.5	103
12	In Vivo Mononuclear Cell Tracking Using Superparamagnetic Particles of Iron Oxide. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 509-517.	1.3	100
13	C5a-mediated neutrophil dysfunction is RhoA-dependent and predicts infection in critically ill patients. <i>Blood</i> , 2011, 117, 5178-5188.	0.6	97
14	Cell-surface signatures of immune dysfunction risk-stratify critically ill patients: INFECT study. <i>Intensive Care Medicine</i> , 2018, 44, 627-635.	3.9	97
15	The Human Cathelicidin LL-37 Preferentially Promotes Apoptosis of Infected Airway Epithelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 692-702.	1.4	95
16	Diagnostic importance of pulmonary interleukin-1 $\beta$ and interleukin-8 in ventilator-associated pneumonia. <i>Thorax</i> , 2010, 65, 201-207.	2.7	95
17	NO-loaded Zn <sup>2+</sup> -exchanged zeolite materials: A potential bifunctional anti-bacterial strategy. <i>Acta Biomaterialia</i> , 2010, 6, 1515-1521.	4.1	93
18	The Intensive Care Society recommended bundle of interventions for the prevention of ventilator-associated pneumonia. <i>Journal of the Intensive Care Society</i> , 2016, 17, 238-243.	1.1	91

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19	Adenoviral Augmentation of Elafin Protects the Lung Against Acute Injury Mediated by Activated Neutrophils and Bacterial Infection. <i>Journal of Immunology</i> , 2001, 167, 1778-1786.	0.4	86
20	Cathelicidin Host Defence Peptide Augments Clearance of Pulmonary <i>Pseudomonas aeruginosa</i> Infection by Its Influence on Neutrophil Function In Vivo. <i>PLoS ONE</i> , 2014, 9, e99029.	1.1	78
21	Inflammation-associated remodelling and fibrosis in the lung - a process and an end point. <i>International Journal of Experimental Pathology</i> , 2006, 88, 103-110.	0.6	71
22	Biomarker-guided antibiotic stewardship in suspected ventilator-associated pneumonia (VAPrapid2): a randomised controlled trial and process evaluation. <i>Lancet Respiratory Medicine</i> , 2020, 8, 182-191.	5.2	65
23	Delayed induction of type I and III interferons mediates nasal epithelial cell permissiveness to SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 7092.	5.8	65
24	Novel role for endogenous mitochondrial formylated peptide-driven formyl peptide receptor 1 signalling in acute respiratory distress syndrome. <i>Thorax</i> , 2017, 72, 928-936.	2.7	64
25	Biallelic interferon regulatory factor 8 mutation: A complex immunodeficiency syndrome with dendritic cell deficiency, monocytopenia, and immune dysregulation. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 2234-2248.	1.5	63
26	Diagnostic accuracy of pulmonary host inflammatory mediators in the exclusion of ventilator-acquired pneumonia. <i>Thorax</i> , 2015, 70, 41-47.	2.7	59
27	Early Prediction of sepsis using leukocyte surface biomarkers: the EXPRES-sepsis cohort study. <i>Intensive Care Medicine</i> , 2018, 44, 1836-1848.	3.9	59
28	The heterogeneity of systemic inflammation in bronchiectasis. <i>Respiratory Medicine</i> , 2017, 127, 33-39.	1.3	58
29	Human lipopolysaccharide models provide mechanistic and therapeutic insights into systemic and pulmonary inflammation. <i>European Respiratory Journal</i> , 2020, 56, 1901298.	3.1	56
30	Lipopolysaccharide inhalation recruits monocytes and dendritic cell subsets to the alveolar airspace. <i>Nature Communications</i> , 2019, 10, 1999.	5.8	52
31	FPR-1 is an important regulator of neutrophil recruitment and a tissue-specific driver of pulmonary fibrosis. <i>JCI Insight</i> , 2020, 5, .	2.3	48
32	Regulation of Adenovirus-Mediated Elafin Transgene Expression by Bacterial Lipopolysaccharide. <i>Human Gene Therapy</i> , 2001, 12, 1395-1406.	1.4	46
33	Home treatment of COPD exacerbation selected by DECAF score: a non-inferiority, randomised controlled trial and economic evaluation. <i>Thorax</i> , 2018, 73, 713-722.	2.7	45
34	Exposure of Monocytic Cells to Lipopolysaccharide Induces Coordinated Endotoxin Tolerance, Mitochondrial Biogenesis, Mitophagy, and Antioxidant Defenses. <i>Frontiers in Immunology</i> , 2018, 9, 2217.	2.2	45
35	Randomised, double-blind, placebo-controlled pilot trial of omeprazole in idiopathic pulmonary fibrosis. <i>Thorax</i> , 2019, 74, 346-353.	2.7	45
36	Secondary necrosis of apoptotic neutrophils induced by the human cathelicidin LL-37 is not proinflammatory to phagocytosing macrophages. <i>Journal of Leukocyte Biology</i> , 2009, 86, 891-902.	1.5	42

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37	Randomised controlled trial of GM-CSF in critically ill patients with impaired neutrophil phagocytosis. <i>Thorax</i> , 2018, 73, 918-925.	2.7	41
38	Activation of the hypothalamicâ€“pituitaryâ€“adrenal axis by exogenous and endogenous GDF15. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	40
39	Trappin-2 Promotes Early Clearance of <i>Pseudomonas aeruginosa</i> through CD14-Dependent Macrophage Activation and Neutrophil Recruitment. <i>American Journal of Pathology</i> , 2009, 174, 1338-1346.	1.9	37
40	FcÎ³ Receptor IIIb (CD16b) Polymorphisms are Associated with Susceptibility to Idiopathic Pulmonary Fibrosis. <i>Lung</i> , 2010, 188, 475-481.	1.4	36
41	Pulmonary Aspergillosis in Patients with Suspected Ventilator-associated Pneumonia in UK ICUs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1125-1132.	2.5	34
42	A national survey of the diagnosis and management of suspected ventilator-associated pneumonia. <i>BMJ Open Respiratory Research</i> , 2014, 1, e000066.	1.2	32
43	16S pan-bacterial PCR can accurately identify patients with ventilator-associated pneumonia. <i>Thorax</i> , 2017, 72, 1046-1048.	2.7	31
44	A novel subpopulation of monocyte-like cells in the human lung after lipopolysaccharide inhalation. <i>European Respiratory Journal</i> , 2012, 40, 206-214.	3.1	30
45	The influence of meteorological variables on the development of deep venous thrombosis. <i>Thrombosis and Haemostasis</i> , 2009, 102, 676-682.	1.8	28
46	Exchange protein directly activated by cyclic AMP (EPAC) activation reverses neutrophil dysfunction induced by Î²2-agonists, corticosteroids, and critical illness. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 535-544.	1.5	28
47	Recombinant Acid Ceramidase Reduces Inflammation and Infection in Cystic Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1133-1145.	2.5	26
48	C5a impairs phagosomal maturation in the neutrophil through phosphoproteomic remodeling. <i>JCI Insight</i> , 2020, 5, .	2.3	26
49	Copy Number Variation of <i>FCGR3B</i> Is Associated with Susceptibility to Idiopathic Pulmonary Fibrosis. <i>Respiration</i> , 2011, 81, 142-149.	1.2	22
50	A Randomized Controlled Trial of Peripheral Blood Mononuclear Cell Depletion in Experimental Human Lung Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 449-455.	2.5	21
51	MPLA inhibits release of cytotoxic mediators from human neutrophils while preserving efficient bacterial killing. <i>Immunology and Cell Biology</i> , 2014, 92, 799-809.	1.0	21
52	Excess Mucin Impairs Subglottic Epithelial Host Defense in Mechanically Ventilated Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 340-349.	2.5	19
53	New horizons in hospital acquired pneumonia in older people. <i>Age and Ageing</i> , 2017, 46, 352-358.	0.7	18
54	Effectiveness of biomarker-based exclusion of ventilator-acquired pneumonia to reduce antibiotic use (VAPrapid-2): study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 318.	0.7	17

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55	How to Ease the Pain of Taking a Diagnostic Point of Care Test to the Market: A Framework for Evidence Development. <i>Micromachines</i> , 2020, 11, 291.	1.4	17
56	Proteolytic cleavage of elafin by 20S proteasome may contribute to inflammation in acute lung injury. <i>Thorax</i> , 2013, 68, 315-321.	2.7	15
57	Effect of granulocyte-macrophage colony-stimulating factor on neutrophil function in idiopathic bronchiectasis. <i>Respirology</i> , 2013, 18, 1230-1235.	1.3	14
58	Optimized and accelerated 19 F MRI of inhaled perfluoropropane to assess regional pulmonary ventilation. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1301-1311.	1.9	13
59	Multi-modal molecular imaging approaches to detect primary cells in preclinical models. <i>Faraday Discussions</i> , 2011, 149, 107-114.	1.6	12
60	Hospital-acquired pneumonia surveillance—an unmet need. <i>Lancet Respiratory Medicine</i> , 2017, 5, 771-772.	5.2	10
61	Oropharyngeal Microbiota in Frail Older Patients Unaffected by Time in Hospital. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 42.	1.8	10
62	Developing Novel Host-Based Therapies Targeting Microbicidal Responses in Macrophages and Neutrophils to Combat Bacterial Antimicrobial Resistance. <i>Frontiers in Immunology</i> , 2020, 11, 786.	2.2	10
63	Far red and NIR dye-peptoid conjugates for efficient immune cell labelling and tracking in preclinical models. <i>MedChemComm</i> , 2011, 2, 1050.	3.5	9
64	Differential response to bacteria, and TOLLIP expression, in the human respiratory tract. <i>BMJ Open Respiratory Research</i> , 2014, 1, e000046.	1.2	8
65	Functional characterisation of human pulmonary monocyte-like cells in lipopolysaccharide-mediated acute lung inflammation. <i>Journal of Inflammation</i> , 2014, 11, 9.	1.5	8
66	Predictive value of cell-surface markers in infections in critically ill patients: protocol for an observational study (ImmuNe Failure in Critical Therapy (INFECT) Study). <i>BMJ Open</i> , 2016, 6, e011326.	0.8	8
67	Reflux in idiopathic pulmonary fibrosis: treatment informed by an integrated approach. <i>ERJ Open Research</i> , 2018, 4, 00051-2018.	1.1	8
68	Diagnostic and economic evaluation of a point-of-care test for respiratory syncytial virus. <i>ERJ Open Research</i> , 2020, 6, 00018-2020.	1.1	8
69	Establishment of an immortalized human subglottic epithelial cell line. <i>Laryngoscope</i> , 2019, 129, 2640-2645.	1.1	7
70	Dynamic susceptibility contrast 19 F MRI of inhaled perfluoropropane: a novel approach to combined pulmonary ventilation and perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 452-461.	1.9	7
71	Efficiency and Health Economic Evaluations of BD OneFlow, Flow Cytometry Reagents for Diagnosing Chronic Lymphoid Leukemia. <i>Cytometry Part B - Clinical Cytometry</i> , 2019, 96, 514-520.	0.7	6
72	Reproducibility of 19 F MRI ventilation imaging in healthy volunteers. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3343-3352.	1.9	6

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73	Impact of COVID-19 on carers of children with tracheostomies. <i>Archives of Disease in Childhood</i> , 2022, 107, e23-e23.	1.0	6
74	IPF: time for the (ciliary) beat generation?. <i>Thorax</i> , 2013, 68, 1088-1089.	2.7	5
75	Serial characterisation of monocyte and neutrophil function after lung resection. <i>BMJ Open Respiratory Research</i> , 2014, 1, e000045.	1.2	5
76	Early PREdiction of Severe Sepsis (EXPRES-Sepsis) study: protocol for an observational derivation study to discover potential leucocyte cell surface biomarkers. <i>BMJ Open</i> , 2016, 6, e011335.	0.8	5
77	Mitochondrial DNA depletion induces innate immune dysfunction rescued by IFN- $\gamma$ . <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1461-1464.e8.	1.5	5
78	Contrasting effects of linezolid on healthy and dysfunctional human neutrophils: reducing C5a-induced injury. <i>Scientific Reports</i> , 2020, 10, 16377.	1.6	5
79	More research is required to understand factors influencing antibiotic prescribing in complex conditions like suspected ventilator-associated pneumonia. <i>Annals of Translational Medicine</i> , 2020, 8, 840-840.	0.7	4
80	Src kinase inhibition with dasatinib impairs neutrophil function and clearance of <i>Escherichia coli</i> infection in a murine model of acute lung injury. <i>Journal of Inflammation</i> , 2020, 17, 34.	1.5	4
81	Phosphoinositide 3-Kinase $\gamma$ Inhibition Improves Neutrophil Bacterial Killing in Critically Ill Patients at High Risk of Infection. <i>Journal of Immunology</i> , 2021, 207, 1776-1784.	0.4	3
82	Development and implementation of a customised rapid syndromic diagnostic test for severe pneumonia. <i>Wellcome Open Research</i> , 0, 6, 256.	0.9	2
83	Development and implementation of a customised rapid syndromic diagnostic test for severe pneumonia. <i>Wellcome Open Research</i> , 0, 6, 256.	0.9	2
84	Comment on "Changes and Regulation of the C5a Receptor on Neutrophils during Septic Shock in Humans". <i>Journal of Immunology</i> , 2013, 191, 4893-4893.	0.4	0
85	Antibiotic Prophylaxis for Ventilator-Associated Pneumonia. <i>Chest</i> , 2013, 144, 1734-1735.	0.4	0
86	Reply: The Alveolar Macrophage and Acute Respiratory Distress Syndrome: A Silent Actor?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 500-501.	2.5	0
87	Should We Tip Our CAPs to Statins?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1204-1206.	2.5	0
88	Cost Consequences for the NHS of Using a Two-Step Testing Method for the Detection of <i>Clostridium difficile</i> with a Point of Care, Polymerase Chain Reaction Test as the First Step. <i>Diagnostics</i> , 2020, 10, 819.	1.3	0
89	Could host response guide VAP treatment? No answer yet " Authors' reply. <i>Lancet Respiratory Medicine</i> , 2020, 8, e38.	5.2	0
90	Reply to Aberegg and Wolfe: Aspergillosis in the ICU: Hidden Enemy or Bogeyman?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1044-1045.	2.5	0