

Sanjay H Chotirmall

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.

135
papers

4,234
citations

35
h-index

62
g-index

203
ext. papers

5,605
ext. citations

6.4
avg, IF

5.89
L-index

#	Paper	IF	Citations
135	Improved thermodynamic parameters and helix initiation factor to predict stability of DNA duplexes. <i>Nucleic Acids Research</i> , 1996 , 24, 4501-5	20.1	392
134	The future of cystic fibrosis care: a global perspective. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 65-124	35.1	259
133	El Antitrypsin regulates human neutrophil chemotaxis induced by soluble immune complexes and IL-8. <i>Journal of Clinical Investigation</i> , 2010 , 120, 4236-50	15.9	191
132	miR-126 is downregulated in cystic fibrosis airway epithelial cells and regulates TOM1 expression. <i>Journal of Immunology</i> , 2010 , 184, 1702-9	5.3	152
131	Sputum <i>Candida albicans</i> presages FEV ₁ decline and hospital-treated exacerbations in cystic fibrosis. <i>Chest</i> , 2010 , 138, 1186-95	5.3	141
130	Functional effects of the microbiota in chronic respiratory disease. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 907-920	35.1	133
129	Antibiotic management of lung infections in cystic fibrosis. I. The microbiome, methicillin-resistant <i>Staphylococcus aureus</i> , gram-negative bacteria, and multiple infections. <i>Annals of the American Thoracic Society</i> , 2014 , 11, 1120-9	4.7	119
128	Effect of estrogen on <i>Pseudomonas mucoidy</i> and exacerbations in cystic fibrosis. <i>New England Journal of Medicine</i> , 2012 , 366, 1978-86	59.2	111
127	The role of acute and chronic respiratory colonization and infections in the pathogenesis of COPD. <i>Respirology</i> , 2017 , 22, 634-650	3.6	97
126	LL-37 complexation with glycosaminoglycans in cystic fibrosis lungs inhibits antimicrobial activity, which can be restored by hypertonic saline. <i>Journal of Immunology</i> , 2009 , 183, 543-51	5.3	96
125	Bronchiectasis: new therapies and new perspectives. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 715-726	35.1	92
124	Transforming growth factor β and severe asthma: a perfect storm. <i>Respiratory Medicine</i> , 2014 , 108, 1409-236	4.7	89
123	Regulation of cystic fibrosis transmembrane conductance regulator by microRNA-145, -223, and -494 is altered in B508 cystic fibrosis airway epithelium. <i>Journal of Immunology</i> , 2013 , 190, 3354-62	5.3	87
122	Fungi in the cystic fibrosis lung: bystanders or pathogens?. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 52, 161-73	5.6	86
121	Bronchiectasis. <i>Nature Reviews Disease Primers</i> , 2018 , 4, 45	51.1	82
120	Geographic variation in the aetiology, epidemiology and microbiology of bronchiectasis. <i>BMC Pulmonary Medicine</i> , 2018 , 18, 83	3.5	79
119	The effect of <i>Aspergillus fumigatus</i> infection on vitamin D receptor expression in cystic fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 999-1007	10.2	76

118	17Beta-estradiol inhibits IL-8 in cystic fibrosis by up-regulating secretory leucoprotease inhibitor. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 62-72	10.2	72
117	Aspergillus-associated airway disease, inflammation, and the innate immune response. <i>BioMed Research International</i> , 2013 , 2013, 723129	3	68
116	Immunological corollary of the pulmonary mycobiome in bronchiectasis: the CAMEB study. <i>European Respiratory Journal</i> , 2018 , 52,	13.6	64
115	Microbiomes in respiratory health and disease: An Asia-Pacific perspective. <i>Respirology</i> , 2017 , 22, 240-259	9.6	61
114	The Impact of Immunosenescence on Pulmonary Disease. <i>Mediators of Inflammation</i> , 2015 , 2015, 692546	4.3	59
113	Antibiotic management of lung infections in cystic fibrosis. II. Nontuberculous mycobacteria, anaerobic bacteria, and fungi. <i>Annals of the American Thoracic Society</i> , 2014 , 11, 1298-306	4.7	58
112	Updated guidance on the management of COVID-19: from an American Thoracic Society/European Respiratory Society coordinated International Task Force (29 July 2020). <i>European Respiratory Review</i> , 2020 , 29,	9.8	50
111	Pulmonary proteases in the cystic fibrosis lung induce interleukin 8 expression from bronchial epithelial cells via a heme/meprin/epidermal growth factor receptor/Toll-like receptor pathway. <i>Journal of Biological Chemistry</i> , 2011 , 286, 7692-704	5.4	49
110	Inhaled nanomaterials and the respiratory microbiome: clinical, immunological and toxicological perspectives. <i>Particle and Fibre Toxicology</i> , 2018 , 15, 46	8.4	49
109	Candida species in cystic fibrosis: A road less travelled. <i>Medical Mycology</i> , 2010 , 48 Suppl 1, S114-24	3.9	47
108	Diagnosis and management of asthma in older adults. <i>Journal of the American Geriatrics Society</i> , 2009 , 57, 901-9	5.6	46
107	The basophil surface marker CD203c identifies Aspergillus species sensitization in patients with cystic fibrosis. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 436-443.e9	11.5	44
106	Immunovasive Aspergillus virulence factors. <i>Mycopathologia</i> , 2014 , 178, 363-70	2.9	44
105	Radiological abnormalities associated with Aspergillus colonization in a cystic fibrosis population. <i>European Journal of Radiology</i> , 2012 , 81, e197-202	4.7	43
104	Disabling disease codes predict worse outcomes for acute medical admissions. <i>Internal Medicine Journal</i> , 2014 , 44, 546-53	1.6	40
103	Sensitization to species is associated with frequent exacerbations in severe asthma. <i>Journal of Asthma and Allergy</i> , 2017 , 10, 131-140	3.1	39
102	Distinct "Immunoallertypes" of Disease and High Frequencies of Sensitization in Non-Cystic Fibrosis Bronchiectasis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 842-853	10.2	36
101	Aspergillus/allergic bronchopulmonary aspergillosis in an Irish cystic fibrosis population: a diagnostically challenging entity. <i>Respiratory Care</i> , 2008 , 53, 1035-41	2.1	36

100	Blood basophil activation is a reliable biomarker of allergic bronchopulmonary aspergillosis in cystic fibrosis. <i>European Respiratory Journal</i> , 2016 , 47, 177-85	13.6	35
99	Understanding COPD-overlap syndromes. <i>Expert Review of Respiratory Medicine</i> , 2017 , 11, 285-298	3.8	33
98	Gender differences in bronchiectasis: a real issue?. <i>Breathe</i> , 2018 , 14, 108-121	1.8	30
97	The Mycobiome in Health and Disease: Emerging Concepts, Methodologies and Challenges. <i>Mycopathologia</i> , 2020 , 185, 207-231	2.9	30
96	Advances in the diagnosis and management of asthma in older adults. <i>American Journal of Medicine</i> , 2014 , 127, 370-8	2.4	26
95	Integrative microbiomics in bronchiectasis exacerbations. <i>Nature Medicine</i> , 2021 , 27, 688-699	50.5	26
94	Environmental fungal sensitisation associates with poorer clinical outcomes in COPD. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	25
93	Aspergillus Species in Bronchiectasis: Challenges in the Cystic Fibrosis and Non-cystic Fibrosis Airways. <i>Mycopathologia</i> , 2018 , 183, 45-59	2.9	25
92	Chitinase activation in patients with fungus-associated cystic fibrosis lung disease. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 1183-1189.e4	11.5	25
91	Metagenomics Reveals a Core Macrolide Resistome Related to Microbiota in Chronic Respiratory Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 433-447	10.2	25
90	Pathogenesis, imaging and clinical characteristics of CF and non-CF bronchiectasis. <i>BMC Pulmonary Medicine</i> , 2018 , 18, 79	3.5	24
89	Long-term future risk of severe exacerbations: Distinct 5-year trajectories of problematic asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017 , 72, 1398-1405	9.3	23
88	The emergence of species in chronic respiratory disease. <i>Frontiers in Bioscience - Scholar</i> , 2017 , 9, 127-138.4	3.4	23
87	Profiling non-tuberculous mycobacteria in an Asian setting: characteristics and clinical outcomes of hospitalized patients in Singapore. <i>BMC Pulmonary Medicine</i> , 2018 , 18, 85	3.5	23
86	Human Fetal Lungs Harbor a Microbiome Signature. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 1002-1006	10.2	22
85	Prepared for internship?. <i>Irish Medical Journal</i> , 2009 , 102, 82-4	0.7	22
84	Alpha-1 proteinase inhibitors for the treatment of alpha-1 antitrypsin deficiency: safety, tolerability, and patient outcomes. <i>Therapeutics and Clinical Risk Management</i> , 2015 , 11, 143-51	2.9	20
83	Blood cultures in emergency medical admissions: a key patient cohort. <i>European Journal of Emergency Medicine</i> , 2016 , 23, 38-43	2.3	20

82	Trimethoprim-sulfamethoxazole induced acute interstitial nephritis in renal allografts; clinical course and outcome. <i>Clinical Nephrology</i> , 2009 , 72, 331-6	2.1	19
81	A high-risk airway mycobiome is associated with frequent exacerbation and mortality in COPD. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	19
80	Optimisation and Benchmarking of Targeted Amplicon Sequencing for Mycobiome Analysis of Respiratory Specimens. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	18
79	Integrated Transcriptomics, Metabolomics, and Lipidomics Profiling in Rat Lung, Blood, and Serum for Assessment of Laser Printer-Emitted Nanoparticle Inhalation Exposure-Induced Disease Risks. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	17
78	Occupational Inhalation Exposures to Nanoparticles at Six Singapore Printing Centers. <i>Environmental Science & Technology</i> , 2020 , 54, 2389-2400	10.3	16
77	Reversible platypnea-orthodeoxia in COVID-19 acute respiratory distress syndrome survivors. <i>Respiratory Physiology and Neurobiology</i> , 2020 , 282, 103515	2.8	16
76	The airway microbiome in COPD, bronchiectasis and bronchiectasis-COPD overlap. <i>Clinical Respiratory Journal</i> , 2021 , 15, 123-133	1.7	15
75	An evaluation of inhaled antibiotic liposome versus antibiotic nanoplex in controlling infection in bronchiectasis. <i>International Journal of Pharmaceutics</i> , 2019 , 559, 382-392	6.5	13
74	Pleural fluid analysis: standstill or a work in progress?. <i>Pulmonary Medicine</i> , 2012 , 2012, 716235	5.3	13
73	Sirolimus in chronic allograft nephropathy. <i>Transplantation Proceedings</i> , 2004 , 36, 2053-5	1.1	13
72	Evaluation of Droplet Digital Polymerase Chain Reaction (ddPCR) for the Absolute Quantification of species in the Human Airway. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
71	Airway microbiome composition correlates with lung function and arterial stiffness in an age-dependent manner. <i>PLoS ONE</i> , 2019 , 14, e0225636	3.7	12
70	Treatment of multiple-level tracheobronchial stenosis secondary to endobronchial tuberculosis using bronchoscopic balloon dilatation with topical mitomycin-C. <i>BMC Pulmonary Medicine</i> , 2016 , 16, 53	3.5	11
69	A new therapeutic avenue for bronchiectasis: Dry powder inhaler of ciprofloxacin nanoplex exhibits superior ex vivo mucus permeability and antibacterial efficacy to its native ciprofloxacin counterpart. <i>International Journal of Pharmaceutics</i> , 2018 , 547, 368-376	6.5	11
68	Increased Chitotriosidase Is Associated With Aspergillus and Frequent Exacerbations in South-East Asian Patients With Bronchiectasis. <i>Chest</i> , 2020 , 158, 512-522	5.3	10
67	Can EGFR-Tyrosine Kinase Inhibitors (TKI) Alone Without Talc Pleurodesis Prevent Recurrence of Malignant Pleural Effusion (MPE) in Lung Adenocarcinoma. <i>Current Drug Discovery Technologies</i> , 2016 , 13, 68-76	1.5	9
66	Sister Mary Joseph nodule. <i>BMJ Case Reports</i> , 2015 , 2015,	0.9	8
65	Air quality impacts mortality in acute medical admissions. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2014 , 107, 347-53	2.7	8

64	Treatment Trials in Young Patients with COPD and Pre-COPD Patients: Time to Move Forward. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 ,	10.2	7
63	Mucus, Microbiomes and Pulmonary Disease. <i>Biomedicines</i> , 2021 , 9,	4.8	7
62	The Healthy Airway Mycobiome in Individuals of Asian Descent. <i>Chest</i> , 2021 , 159, 544-548	5.3	7
61	"High-Risk" Clinical and Inflammatory Clusters in COPD of Chinese Descent. <i>Chest</i> , 2020 , 158, 145-156	5.3	6
60	Extubation versus tracheostomy in withdrawal of treatment-ethical, clinical, and legal perspectives. <i>Journal of Critical Care</i> , 2010 , 25, 360.e1-8	4	6
59	Similarity network fusion for the integration of multi-omics and microbiomes in respiratory disease. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	6
58	Hot topics and current controversies in non-cystic fibrosis bronchiectasis. <i>Breathe</i> , 2019 , 15, 286-295	1.8	6
57	A European ECMM-ESCMID survey on goals and practices for mycobiota characterisation using next-generation sequencing. <i>Mycoses</i> , 2019 , 62, 1096-1099	5.2	5
56	Whole-Genome Sequencing of <i>Aspergillus terreus</i> Species Complex. <i>Mycopathologia</i> , 2020 , 185, 405-408	2.9	5
55	Age-related bone loss is associated with FGF21 but not IGFBP1 in healthy adults. <i>Experimental Physiology</i> , 2020 , 105, 622-631	2.4	5
54	The Microbial Endocrinology of <i>Pseudomonas aeruginosa</i> : Inflammatory and Immune Perspectives. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2018 , 66, 329-339	4	5
53	Time to acknowledge, address, and take action against bronchiectasis. <i>The Lancet Global Health</i> , 2019 , 7, e1162-e1163	13.6	5
52	Pilot deep RNA sequencing of worker blood samples from Singapore printing industry for occupational risk assessment. <i>NanoImpact</i> , 2020 , 19, 100248-100248	5.6	5
51	Letter from Singapore: The clinical and research response to COVID-19. <i>Respirology</i> , 2020 , 25, 1101-1102	3.6	5
50	Respiratory Mycoses in COPD and Bronchiectasis. <i>Mycopathologia</i> , 2021 , 186, 623-638	2.9	5
49	Update in COVID-19 2020. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 1462-1470	6.2	5
48	Bronchiectasis and cough: An old relationship in need of renewed attention. <i>Pulmonary Pharmacology and Therapeutics</i> , 2019 , 57, 101812	3.5	4
47	Thrombolysis for indwelling catheter related thrombosis and superior vena cava obstruction in cystic fibrosis: a case series. <i>Irish Journal of Medical Science</i> , 2010 , 179, 469-70	1.9	4

46	Posttraumatic subgaleal hematoma with orbital extension associated with clopidogrel usage in an elderly patient: case report. <i>Journal of the American Geriatrics Society</i> , 2007 , 55, 135-6	5.6	4
45	Twenty-five years of Respiriology: Advances in bronchiectasis. <i>Respirology</i> , 2020 , 25, 14-16	3.6	4
44	Population genomics confirms acquisition of drug-resistant <i>Aspergillus fumigatus</i> infection by humans from the environment.. <i>Nature Microbiology</i> , 2022 ,	26.6	4
43	Subcutaneous emphysema. <i>BMJ Case Reports</i> , 2014 , 2014,	0.9	3
42	The current understanding and future directions for sputum microbiome profiling in chronic obstructive pulmonary disease. <i>Current Opinion in Pulmonary Medicine</i> , 2021 , 28,	3	3
41	Mathematical-based microbiome analytics for clinical translation.. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 6272-6281	6.8	3
40	Sex Steroids Induce Membrane Stress Responses and Virulence Properties in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2020 , 11,	7.8	3
39	Using Expanded Natural Killer Cells as Therapy for Invasive Aspergillosis. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020 , 6,	5.6	3
38	Chronic upper airway and systemic inflammation from copier emitted particles in healthy operators at six Singaporean workplaces.. <i>NanoImpact</i> , 2021 , 22, 100325	5.6	3
37	Inactivation of common airborne antigens by perfluoroalkyl chemicals modulates early life allergic asthma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
36	<i>Aspergillus</i> -Associated Endophenotypes in Bronchiectasis. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2021 , 42, 556-566	3.9	3
35	Isolated anterior mediastinal tuberculosis in an immunocompetent patient. <i>BMC Pulmonary Medicine</i> , 2016 , 16, 24	3.5	3
34	Fungi in Cystic Fibrosis: Recent Findings and Unresolved Questions. <i>Current Fungal Infection Reports</i> , 2015 , 9, 1-5	1.4	2
33	Reply to de Steenhuijsen Piters and Bogaert: Bacterial DNA in Fetal Lung Samples May Be Explained by Sample Contamination. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 1311-1312	10.2	2
32	Dispelling myths regarding the safety of 'bronchoscopy in octogenarians'. <i>Age and Ageing</i> , 2009 , 38, 764-5	3.5	2
31	The airway resistome in chronic respiratory disease: a metagenomics approach 2019 ,		2
30	Viral prevalence in stable bronchiectasis: analysis of the Cohort of Asian and Matched European Bronchiectasis (CAMEB) 2019 ,		2
29	A high-risk airway mycobiome characterises frequent COPD exacerbators 2020 ,		2

28	Protease-Antiprotease Imbalance in Bronchiectasis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
27	International research collaboration: The way forward. <i>Respirology</i> , 2018 , 23, 654-655	3.6	2
26	High Frequency of Allergic Bronchopulmonary Aspergillosis in Bronchiectasis-COPD Overlap. <i>Chest</i> , 2021 ,	5.3	2
25	Association of nanoparticle exposure with serum metabolic disorders of healthy adults in printing centers.. <i>Journal of Hazardous Materials</i> , 2022 , 432, 128710	12.8	2
24	Clinical Aspergillus Signatures in COPD and Bronchiectasis. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8, 480	5.6	2
23	Clinical Heterogeneity in Bronchiectasis. Recommended Reading from the Singapore Respiratory Medicine Fellows. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 507-509	10.2	1
22	Letter from Singapore. <i>Respirology</i> , 2018 , 23, 228-229	3.6	1
21	Cystic fibrosis, common variable immunodeficiency and Aspergers syndrome: an immunological and behavioural challenge. <i>Irish Journal of Medical Science</i> , 2011 , 180, 607-9	1.9	1
20	Obsessive-compulsive disorder: good for cystic fibrosis (CF)?. <i>Pediatric Pulmonology</i> , 2009 , 44, 300-1	3.5	1
19	Delayed radiotherapy-related effusions: malignant or not malignant, that is the question?. <i>Respirology</i> , 2008 , 13, 754; author reply 755	3.6	1
18	Bronchiektasen. <i>Pneumologe</i> , 2006 , 3, 487-496	0.1	1
17	Fungal Infections and ABPA. <i>Respiratory Medicine</i> , 2020 , 93-126	0.2	1
16	in bronchiectasis: infection, inflammation, and therapies. <i>Expert Review of Respiratory Medicine</i> , 2021 , 15, 649-662	3.8	1
15	Sex Differences in Respiratory Infection. <i>Physiology in Health and Disease</i> , 2021 , 365-404	0.2	1
14	Male fertility in cystic fibrosis. <i>Irish Medical Journal</i> , 2009 , 102, 204-6	0.7	1
13	Recurring pulmonary hamartomas: cause for concern?. <i>Irish Medical Journal</i> , 2013 , 106, 279-80	0.7	1
12	Microbiology and the Microbiome in Bronchiectasis.. <i>Clinics in Chest Medicine</i> , 2022 , 43, 23-34	5.3	1
11	Optimisation of dementia management in Irish primary care. <i>International Journal of Geriatric Psychiatry</i> , 2008 , 23, 880	3.9	0

10	Sister Mary Joseph nodule. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2015 , 108, 983	2.7
9	It is all in the sputum: a case of non-resolving pneumonia. <i>BMJ Case Reports</i> , 2014 , 2014,	0.9
8	A deceiving wheeze. <i>Irish Journal of Medical Science</i> , 2012 , 181, 337-9	1.9
7	Priorities for the alpha-1 community: The physicians perspective. <i>Pharmaceuticals Policy and Law</i> , 2009 , 11, 285-297	
6	Dawn of the "bone phenotype" in cystic fibrosis. <i>Pediatrics</i> , 2009 , 123, e353; author reply e353-4	7.4
5	Invited commentary: The decision to withdraw treatment and its optimal method are not mutually exclusive. <i>Journal of Critical Care</i> , 2010 , 25, 652	4
4	Double trouble. <i>American Journal of Medicine</i> , 2008 , 121, 110-2	2.4
3	Future directions: the next 10 years in research 371-387	
2	Identification of a novel sequence type of as the causative agent of pyelonephritis and bloodstream infection. <i>JMM Case Reports</i> , 2016 , 3, e005061	0.5
1	Reply. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 969-70	11.5