Robert P Dickson

List of Publications by Year
in descending order

105 papers	8,441 citations	87888 38 h-index	49909 87 g-index
112 all docs	112 docs citations	112 times ranked	8701 citing authors

#	Article	IF	Citations
1	The Microbiome and the Respiratory Tract. Annual Review of Physiology, 2016, 78, 481-504.	13.1	622
2	Analysis of the Upper Respiratory Tract Microbiotas as the Source of the Lung and Gastric Microbiotas in Healthy Individuals. MBio, 2015, 6, e00037.	4.1	601
3	Racial Bias in Pulse Oximetry Measurement. New England Journal of Medicine, 2020, 383, 2477-2478.	27.0	529
4	Enrichment of the lung microbiome with gut bacteria in sepsis and the acute respiratory distress syndrome. Nature Microbiology, 2016, 1, 16113.	13.3	433
5	Spatial Variation in the Healthy Human Lung Microbiome and the Adapted Island Model of Lung Biogeography. Annals of the American Thoracic Society, 2015, 12, 821-830.	3.2	390
6	The Lung Microbiome: New Principles for Respiratory Bacteriology in Health and Disease. PLoS Pathogens, 2015, 11, e1004923.	4.7	390
7	The role of the microbiome in exacerbations of chronic lung diseases. Lancet, The, 2014, 384, 691-702.	13.7	366
8	Bacterial Topography of the Healthy Human Lower Respiratory Tract. MBio, 2017, 8, .	4.1	366
9	The role of the bacterial microbiome in lung disease. Expert Review of Respiratory Medicine, 2013, 7, 245-257.	2.5	323
10	The microbiome and critical illness. Lancet Respiratory Medicine,the, 2016, 4, 59-72.	10.7	323
11	The Lung Microbiome, Immunity, and the Pathogenesis of Chronic Lung Disease. Journal of Immunology, 2016, 196, 4839-4847.	0.8	291
12	Towards an ecology of the lung: new conceptual models of pulmonary microbiology and pneumonia pathogenesis. Lancet Respiratory Medicine,the, 2014, 2, 238-246.	10.7	242
13	Lung Microbiota Contribute to Pulmonary Inflammation and Disease Progression in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1127-1138.	5.6	205
14	Lung Microbiota Predict Clinical Outcomes in Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 555-563.	5.6	202
15	Microbiology, Genomics, and Clinical Significance of the Pseudomonas fluorescens Species Complex, an Unappreciated Colonizer of Humans. Clinical Microbiology Reviews, 2014, 27, 927-948.	13.6	200
16	The Lung Microbiota of Healthy Mice Are Highly Variable, Cluster by Environment, and Reflect Variation in Baseline Lung Innate Immunity. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 497-508.	5.6	189
17	Changes in the Lung Microbiome following Lung Transplantation Include the Emergence of Two Distinct Pseudomonas Species with Distinct Clinical Associations. PLoS ONE, 2014, 9, e97214.	2.5	162
18	Analysis of Culture-Dependent versus Culture-Independent Techniques for Identification of Bacteria in Clinically Obtained Bronchoalveolar Lavage Fluid. Journal of Clinical Microbiology, 2014, 52, 3605-3613.	3.9	129

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19	Rapid Pathogen Identification in Bacterial Pneumonia Using Real-Time Metagenomics. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1610-1612.	5.6	127
20	Hospitalization Type and Subsequent Severe Sepsis. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 581-588.	5.6	124
21	Homeostasis and its disruption in the lung microbiome. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1047-L1055.	2.9	112
22	Lung and gut microbiota are altered by hyperoxia and contribute to oxygen-induced lung injury in mice. Science Translational Medicine, 2020, 12, .	12.4	97
23	Methods in Lung Microbiome Research. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 283-299.	2.9	94
24	Medical intensive care unit clinician attitudes and perceived barriers towards early mobilization of critically ill patients: a cross-sectional survey study. BMC Anesthesiology, 2014, 14, 84.	1.8	88
25	Dysbiosis in the intensive care unit: Microbiome science coming to the bedside. Journal of Critical Care, 2017, 38, 84-91.	2.2	82
26	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, e1-e14.	2.9	82
27	A tale of two sites: how inflammation can reshape the microbiomes of the gut and lungs. Journal of Leukocyte Biology, 2016, 100, 943-950.	3.3	81
28	Sepsis Subclasses: A Framework for Development and Interpretation*. Critical Care Medicine, 2021, 49, 748-759.	0.9	81
29	Bacterial Dissemination to the Brain in Sepsis. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 747-756.	5.6	74
30	Internal Medicine Trainee Self-Assessments of End-of-Life Communication Skills Do Not Predict Assessments of Patients, Families, or Clinician-Evaluators. Journal of Palliative Medicine, 2012, 15, 418-426.	1.1	71
31	Longitudinal respiratory subphenotypes in patients with COVID-19-related acute respiratory distress syndrome: results from three observational cohorts. Lancet Respiratory Medicine,the, 2021, 9, 1377-1386.	10.7	71
32	The significance ofCandidain the human respiratory tract: our evolving understanding. Pathogens and Disease, 2017, 75, .	2.0	68
33	Cell-associated bacteria in the human lung microbiome. Microbiome, 2014, 2, 28.	11.1	66
34	Shorter Versus Longer Courses of Antibiotics for Infection in Hospitalized Patients: A Systematic Review and Metaâ€Analysis. Journal of Hospital Medicine, 2018, 13, 336-342.	1.4	64
35	Racial Bias in Pulse Oximetry Measurement Among Patients About to Undergo Extracorporeal Membrane Oxygenation in 2019-2020. Chest, 2022, 161, 971-978.	0.8	60
36	Understanding the role of the microbiome in chronic obstructive pulmonary disease: principles, challenges, and future directions. Translational Research, 2017, 179, 71-83.	5.0	57

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37	The perils of premature phenotyping in COVID-19: a call for caution. European Respiratory Journal, 2020, 56, 2001768.	6.7	51
38	Lung microbiota predict chronic rejection in healthy lung transplant recipients: a prospective cohort study. Lancet Respiratory Medicine,the, 2021, 9, 601-612.	10.7	49
39	Lung Dysbiosis, Inflammation, and Injury in Hematopoietic Cell Transplantation. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1312-1321.	5.6	42
40	Microbiome in interstitial lung disease. Current Opinion in Pulmonary Medicine, 2017, 23, 404-410.	2.6	41
41	The bacterial microbiota in inflammatory lung diseases. Clinical Immunology, 2015, 159, 177-182.	3.2	40
42	Rapid breath analysis for acute respiratory distress syndrome diagnostics using a portable two-dimensional gas chromatography device. Analytical and Bioanalytical Chemistry, 2019, 411, 6435-6447.	3.7	39
43	Intraalveolar Catecholamines and the Human Lung Microbiome. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 257-259.	5.6	36
44	The importance of airway and lung microbiome in the critically ill. Critical Care, 2020, 24, 537.	5.8	36
45	Comparing Clinical Features and Outcomes in Mechanically Ventilated Patients with COVID-19 and Acute Respiratory Distress Syndrome. Annals of the American Thoracic Society, 2021, 18, 1876-1885.	3.2	34
46	The Lung Microbiome and ARDS. It Is Time to Broaden the Model. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 549-551.	5.6	33
47	Lung Microbiome Is Influenced by the Environment and Asthmatic Status in an Equine Model of Asthma. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 189-197.	2.9	33
48	SquiggleNet: real-time, direct classification of nanopore signals. Genome Biology, 2021, 22, 298.	8.8	33
49	Critical Relevance of Stochastic Effects on Low-Bacterial-Biomass 16S rRNA Gene Analysis. MBio, 2020, 11, .	4.1	32
50	Gut microbiota and protection from pneumococcal pneumonia. Gut, 2017, 66, 384.3-384.	12.1	27
51	Electronic DNA Analysis of CSF Cell-free Tumor DNA to Quantify Multi-gene Molecular Response in Pediatric High-grade Glioma. Clinical Cancer Research, 2020, 26, 6266-6276.	7.0	26
52	Whole lung tissue is the preferred sampling method for amplicon-based characterization of murine lung microbiota. Microbiome, 2021, 9, 99.	11.1	24
53	Therapeutic Targeting of the Respiratory Microbiome. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 535-544.	5.6	24
54	Nucleic Acidâ€“based Testing for Noninfluenza Viral Pathogens in Adults with Suspected Community-acquired Pneumonia. An Official American Thoracic Society Clinical Practice Guideline. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1070-1087.	5.6	23

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55	The Lung Microbiome: A Central Mediator of Host Inflammation and Metabolism in Lung Cancer Patients?. Cancers, 2021, 13, 13.	3.7	21
56	Radiographic Honeycombing and Altered Lung Microbiota in Patients with Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1544-1547.	5.6	20
57	Predicting Intensive Care Transfers and Other Unforeseen Events: Analytic Model Validation Study and Comparison to Existing Methods. JMIR Medical Informatics, 2021, 9, e25066.	2.6	20
58	Biological subphenotypes of acute respiratory distress syndrome may not reflect differences in alveolar inflammation. Physiological Reports, 2021, 9, e14693.	1.7	19
59	Respiratory Tract Colonization by Candida Species Portends Worse Outcomes in Immunocompromised Patients. Clinical Pulmonary Medicine, 2018, 25, 197-201.	0.3	18
60	Manipulation of the microbiome in critical illnessâ€"probiotics as a preventive measure against ventilator-associated pneumonia. Intensive Care Medicine Experimental, 2019, 7, 37.	1.9	17
61	Host-microbe cross-talk in the lung microenvironment: implications for understanding and treating chronic lung disease. European Respiratory Journal, 2020, 56, 1902320.	6.7	17
62	Macrolides, inflammation and the lung microbiome: untangling the web of causality. Thorax, 2017, 72, 10-12.	5.6	16
63	Rethinking pneumonia: A paradigm shift with practical utility. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13148-13150.	7.1	16
64	A porcine model for initial surge mechanical ventilator assessment and evaluation of two limited-function ventilators*. Critical Care Medicine, 2011, 39, 527-532.	0.9	13
65	Toluene toxicity as a cause of elevated anion gap metabolic acidosis. Respiratory Care, 2009, 54, 1115-7.	1.6	12
66	Gut Microbiota Predict Enterococcus Expansion but Not Vancomycin-Resistant Enterococcus Acquisition. MSphere, 2020, 5, .	2.9	11
67	Response to COVID-19 phenotyping correspondence. European Respiratory Journal, 2020, 56, 2002756.	6.7	10
68	Turning the Lungs Inside Out: The Intersecting Microbiomes of the Lungs and the Built Environment. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1618-1620.	5.6	10
69	Lung microbiota and COVID-19 severity. Nature Microbiology, 2021, 6, 1217-1218.	13.3	10
70	The Lung Microbiome in HIV. Getting to the HAART of the Hostâ€"Microbe Interface. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 136-137.	5.6	9
71	COVIDâ€19: The Uninvited Guest in the Intensive Care Unit â€" Implications for Pharmacotherapy. Pharmacotherapy, 2020, 40, 382-386.	2.6	8
72	Toll-like receptors, environmental caging, and lung dysbiosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L404-L415.	2.9	8

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73	The bacterial density of clinical rectal swabs is highly variable, correlates with sequencing contamination, and predicts patient risk of extraintestinal infection. Microbiome, 2022, 10, 2.	11.1	8
74	Antibiotics cause metabolic changes in mice primarily through microbiome modulation rather than behavioral changes. PLoS ONE, 2022, 17, e0265023.	2.5	8
75	A novel swine model of the acute respiratory distress syndrome using clinically relevant injury exposures. Physiological Reports, 2021, 9, e14871.	1.7	7
76	A 65-Year-Old Man With Severe Hyponatremia and Alcohol Abuse. Chest, 2010, 138, 445-447.	0.8	6
77	Feasibility of Embedding a Scalable, Virtually Enabled Biorepository in the Electronic Health Record for Precision Medicine. JAMA Network Open, 2021, 4, e2037739.	5.9	6
78	On Bugs and Blowholes: Why Is Aspiration the Rule, Not the Exception?. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1049-1051.	5.6	6
79	Selective Modulation of the Pulmonary Innate Immune Response Does Not Change Lung Microbiota in Healthy Mice. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 734-736.	5.6	6
80	Rapid identification of pathogens associated with ventilator-associated pneumonia by Nanopore sequencing. Respiratory Research, 2021, 22, 310.	3.6	6
81	Making the case for causality: what role do lung microbiota play in idiopathic pulmonary fibrosis?. European Respiratory Journal, 2020, 55, 2000318.	6.7	5
82	Outcomes and Predictors of Severe Hyperoxemia in Patients Receiving Mechanical Ventilation: A Single-Center Cohort Study. Annals of the American Thoracic Society, 2022, , .	3.2	5
83	Metagenomics to Identify Pathogens in Diabetic Foot Ulcers and the Potential Impact for Clinical Care. Current Diabetes Reports, 2021, 21, 26.	4.2	4
84	Sampling the lung microbiome. , 2019, , 1-17.		4
85	A comprehensive assessment of multi-system responses to a renal inoculation of uropathogenic E. coli in swine. PLoS ONE, 2020, 15, e0243577.	2.5	4
86	SNIKT: sequence-independent adapter identification and removal in long-read shotgun sequencing data. Bioinformatics, 2022, 38, 3830-3832.	4.1	4
87	Economic disparities and survival from critical illness. Lancet Respiratory Medicine,the, 2017, 5, 601-603.	10.7	3
88	Reply: Clinical Metagenomics for the Diagnosis of Hospital-acquired Infections: Promises and Hurdles. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1618-1619.	5.6	3
89	Kudzu and sleeper cells: the varied ecology of respiratory infections. European Respiratory Journal, 2018, 52, 1801607.	6.7	3
90	Breath analysis for detection and trajectory monitoring of acute respiratory distress syndrome in swine. ERJ Open Research, 2022, 8, 00154-2021.	2.6	3

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91	Mechanical Stretch: An Important and Understudied Feature of Acute and Chronic Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 992-994.	5.6	2
92	Is the lung microbiome alive? Lessons from Antarctic soil. European Respiratory Journal, 2021, 58, 2100321.	6.7	2
93	Approaches to Sampling the Respiratory Microbiome. Respiratory Medicine, 2022, , 3-19.	0.1	2
94	Ultra-rapid somatic variant detection via real-time targeted amplicon sequencing. Communications Biology, 2022, 5, .	4.4	2
95	Response to â€œResponse of Lung Microbiota to Changes of Pulmonary Innate Immunity Under Healthy Conditionsâ€• American Journal of Respiratory and Critical Care Medicine, 2021, , .	5.6	1
96	Turning â€œSarkoidâ€•into â€œDropsyâ€• A Valiant, Next-Generation Attempt. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 154-155.	5.6	0
97	Immunocompromised Pneumonia. , 2017, , 215-220.		0
98	Toll-Interacting Protein and Altered Lung Microbiota in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2022, , .	5.6	0
99	Title is missing!. , 2020, 15, e0243577.		0
100	Title is missing!. , 2020, 15, e0243577.		0
101	Title is missing!. , 2020, 15, e0243577.		0
102	Title is missing!. , 2020, 15, e0243577.		0
103	Title is missing!. , 2020, 15, e0243577.		0
104	Title is missing!. , 2020, 15, e0243577.		0
105	AMAISE: a machine learning approach to index-free sequence enrichment. Communications Biology, 2022, 5, .	4.4	0