

Gary B Huffnagle

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

10,488
citations

57758

44
h-index

95266

68
g-index

73
all docs

73
docs citations

73
times ranked

11100
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the Lung Microbiome in the "Healthy" Smoker and in COPD. PLoS ONE, 2011, 6, e16384.	2.5	767
2	The Microbiome and the Respiratory Tract. Annual Review of Physiology, 2016, 78, 481-504.	13.1	622
3	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
4	Cc Chemokine Receptor 2 Is Critical for Induction of Experimental Autoimmune Encephalomyelitis. Journal of Experimental Medicine, 2000, 192, 899-906.	8.5	496
5	The emerging world of the fungal microbiome. Trends in Microbiology, 2013, 21, 334-341.	7.7	485
6	Enrichment of the lung microbiome with gut bacteria in sepsis and the acute respiratory distress syndrome. Nature Microbiology, 2016, 1, 16113.	13.3	433
7	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
8	The Lung Microbiome: New Principles for Respiratory Bacteriology in Health and Disease. PLoS Pathogens, 2015, 11, e1004923.	4.7	390
9	The role of the microbiome in exacerbations of chronic lung diseases. Lancet, The, 2014, 384, 691-702.	13.7	366
10	Bacterial Topography of the Healthy Human Lower Respiratory Tract. MBio, 2017, 8, .	4.1	366
11	Lung microbiome and disease progression in idiopathic pulmonary fibrosis: an analysis of the COMET study. Lancet Respiratory Medicine, the, 2014, 2, 548-556.	10.7	353
12	Application of a Neutral Community Model To Assess Structuring of the Human Lung Microbiome. MBio, 2015, 6, .	4.1	325
13	Role of Antibiotics and Fungal Microbiota in Driving Pulmonary Allergic Responses. Infection and Immunity, 2004, 72, 4996-5003.	2.2	282
14	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
15	Development of Allergic Airway Disease in Mice following Antibiotic Therapy and Fungal Microbiota Increase: Role of Host Genetics, Antigen, and Interleukin-13. Infection and Immunity, 2005, 73, 30-38.	2.2	238
16	Candida albicans and Bacterial Microbiota Interactions in the Cecum during Recolonization following Broad-Spectrum Antibiotic Therapy. Infection and Immunity, 2012, 80, 3371-3380.	2.2	230
17	Regulation of Candida albicans Morphogenesis by Fatty Acid Metabolites. Infection and Immunity, 2004, 72, 6206-6210.	2.2	216
18	Pathogenic Yeasts Cryptococcus neoformans and Candida albicans Produce Immunomodulatory Prostaglandins. Infection and Immunity, 2001, 69, 2957-2963.	2.2	210

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19	Lung Microbiota Contribute to Pulmonary Inflammation and Disease Progression in Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1127-1138.	5.6	205
20	Production of Eicosanoids and Other Oxylipins by Pathogenic Eukaryotic Microbes. <i>Clinical Microbiology Reviews</i> , 2003, 16, 517-533.	13.6	203
21	Lung Microbiota Predict Clinical Outcomes in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 555-563.	5.6	202
22	Microbiology, Genomics, and Clinical Significance of the <i>Pseudomonas fluorescens</i> Species Complex, an Unappreciated Colonizer of Humans. <i>Clinical Microbiology Reviews</i> , 2014, 27, 927-948.	13.6	200
23	Host Response to the Lung Microbiome in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 438-445.	5.6	195
24	The Lung Microbiota of Healthy Mice Are Highly Variable, Cluster by Environment, and Reflect Variation in Baseline Lung Innate Immunity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 497-508.	5.6	189
25	Changes in the Lung Microbiome following Lung Transplantation Include the Emergence of Two Distinct <i>Pseudomonas</i> Species with Distinct Clinical Associations. <i>PLoS ONE</i> , 2014, 9, e97214.	2.5	162
26	Interplay between the Gastric Bacterial Microbiota and <i>Candida albicans</i> during Postantibiotic Recolonization and Gastritis. <i>Infection and Immunity</i> , 2012, 80, 150-158.	2.2	130
27	Microbes Are Associated with Host Innate Immune Response in Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 208-219.	5.6	130
28	Analysis of Culture-Dependent versus Culture-Independent Techniques for Identification of Bacteria in Clinically Obtained Bronchoalveolar Lavage Fluid. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3605-3613.	3.9	129
29	Modulation of Post-Antibiotic Bacterial Community Reassembly and Host Response by <i>Candida albicans</i> . <i>Scientific Reports</i> , 2013, 3, 2191.	3.3	128
30	Rapid Pathogen Identification in Bacterial Pneumonia Using Real-Time Metagenomics. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1610-1612.	5.6	127
31	Homeostasis and its disruption in the lung microbiome. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L1047-L1055.	2.9	112
32	The Microbiota and Allergies/Asthma. <i>PLoS Pathogens</i> , 2010, 6, e1000549.	4.7	108
33	Lung and gut microbiota are altered by hyperoxia and contribute to oxygen-induced lung injury in mice. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	97
34	The "Microflora Hypothesis" of Allergic Disease. <i>Advances in Experimental Medicine and Biology</i> , 2008, 635, 113-134.	1.6	95
35	Dysbiosis in the intensive care unit: Microbiome science coming to the bedside. <i>Journal of Critical Care</i> , 2017, 38, 84-91.	2.2	82
36	A tale of two sites: how inflammation can reshape the microbiomes of the gut and lungs. <i>Journal of Leukocyte Biology</i> , 2016, 100, 943-950.	3.3	81

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37	The Lung Microbiome during Health and Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10872.	4.1	72
38	The significance of <i>Candida</i> in the human respiratory tract: our evolving understanding. <i>Pathogens and Disease</i> , 2017, 75, .	2.0	68
39	Cell-associated bacteria in the human lung microbiome. <i>Microbiome</i> , 2014, 2, 28.	11.1	66
40	The role of IL-5 in bleomycin-induced pulmonary fibrosis. <i>Journal of Leukocyte Biology</i> , 1998, 64, 657-666.	3.3	62
41	Tryptophan Catabolism Restricts IFN- γ Expressing Neutrophils and <i>Clostridium difficile</i> Immunopathology. <i>Journal of Immunology</i> , 2014, 193, 807-816.	0.8	55
42	The respiratory microbiome: an underappreciated player in the human response to inhaled pollutants?. <i>Annals of Epidemiology</i> , 2016, 26, 355-359.	1.9	55
43	Innate and adaptive determinants of host susceptibility to medically important fungi. <i>Current Opinion in Microbiology</i> , 2003, 6, 344-350.	5.1	50
44	Interleukin-23 (IL-23), independent of IL-17 and IL-22, drives neutrophil recruitment and innate inflammation during <i>Clostridium difficile</i> colitis in mice. <i>Immunology</i> , 2016, 147, 114-124.	4.4	49
45	The bacterial microbiota in inflammatory lung diseases. <i>Clinical Immunology</i> , 2015, 159, 177-182.	3.2	40
46	Intraalveolar Catecholamines and the Human Lung Microbiome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 257-259.	5.6	36
47	Interplay between <i>Candida albicans</i> and Lactic Acid Bacteria in the Gastrointestinal Tract: Impact on Colonization Resistance, Microbial Carriage, Opportunistic Infection, and Host Immunity. <i>Clinical Microbiology Reviews</i> , 2021, 34, e0032320.	13.6	36
48	Role of GM-CSF in the inflammatory cytokine network that regulates neutrophil influx into the colonic mucosa during <i>Clostridium difficile</i> infection in mice. <i>Gut Microbes</i> , 2014, 5, 10-9.	9.8	35
49	Lung Microbiome Is Influenced by the Environment and Asthmatic Status in an Equine Model of Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 189-197.	2.9	33
50	Lung microbiota associations with clinical features of COPD in the SPIROMICS cohort. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 14.	6.4	33
51	Critical Relevance of Stochastic Effects on Low-Bacterial-Biomass 16S rRNA Gene Analysis. <i>MBio</i> , 2020, 11, .	4.1	32
52	Lung Microbiota and Metabolites Collectively Associate with Clinical Outcomes in Milder Stage Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 427-439.	5.6	31
53	Role of interferon- γ and inflammatory monocytes in driving colonic inflammation during acute <i>Clostridium difficile</i> infection in mice. <i>Immunology</i> , 2017, 150, 468-477.	4.4	28
54	Whole lung tissue is the preferred sampling method for amplicon-based characterization of murine lung microbiota. <i>Microbiome</i> , 2021, 9, 99.	11.1	24

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55	Respiratory Tract Colonization by <i>Candida</i> Species Portends Worse Outcomes in Immunocompromised Patients. <i>Clinical Pulmonary Medicine</i> , 2018, 25, 197-201.	0.3	18
56	Comparative genomics of <i>Pseudomonas fluorescens</i> subclade III strains from human lungs. <i>BMC Genomics</i> , 2015, 16, 1032.	2.8	15
57	Increase in dietary fiber dampens allergic responses in the lung. <i>Nature Medicine</i> , 2014, 20, 120-121.	30.7	10
58	Interkingdom Communication and Regulation of Mucosal Immunity by the Microbiome. <i>Journal of Infectious Diseases</i> , 2021, 223, S236-S240.	4.0	10
59	Genome Sequences of 12 <i>Pseudomonas lundensis</i> Strains Isolated from the Lungs of Humans. <i>Genome Announcements</i> , 2018, 6, .	0.8	8
60	Toll-like receptors, environmental caging, and lung dysbiosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L404-L415.	2.9	8
61	Early-Life Lung and Gut Microbiota Development and Respiratory Syncytial Virus Infection. <i>Frontiers in Immunology</i> , 2022, 13, 877771.	4.8	7
62	Another piece in the "research mosaic"™ that describes the role of the lung microbiome in COPD. <i>Thorax</i> , 2016, 71, 777-778.	5.6	4
63	Draft Genome Sequences of Five <i>Pseudomonas fluorescens</i> Subclade I and II Strains, Isolated from Human Respiratory Samples. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
64	Reply: Clinical Metagenomics for the Diagnosis of Hospital-acquired Infections: Promises and Hurdles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1618-1619.	5.6	3
65	High-Quality Genome Reconstruction of <i>Candida albicans</i> CHN1 Using Nanopore and Illumina Sequencing and Hybrid Assembly. <i>Microbiology Resource Announcements</i> , 2021, 10, e0029921.	0.6	3
66	The Psychrotrophic <i>Pseudomonas lundensis</i> , a Non- <i>aeruginosa</i> <i>Pseudomonad</i> , Has a Type III Secretion System of the Ysc Family, Which Is Transcriptionally Active at 37°C. <i>MBio</i> , 2022, 13, e0386921.	4.1	3
67	A. Casadevall and J.R. Perfect, <i>Cryptococcus neoformans</i> . <i>Mycopathologia</i> , 1999, 147, 59-60.	3.1	2
68	Fungal Interactions with Leukocytes. , 0, , 555-563.		1
69	Complete Genome Sequences of <i>Pseudomonas lundensis</i> Strains M101 and M105, Isolated from 1% Pasteurized Milk. <i>Microbiology Resource Announcements</i> , 2021, 10, e0071121.	0.6	1
70	Pulmonary Innate and Adaptive Defenses against <i>Cryptococcus</i> . , 0, , 451-464.		0
71	Toll-Interacting Protein and Altered Lung Microbiota in Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, , .	5.6	0