

# The microbiota of the respiratory tract: gatekeeper to respiratory health

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The commensal lifestyle of <i>Staphylococcus aureus</i> and its interactions with the nasal microbiota. <i>Nature Reviews Microbiology</i> , 2017, 15, 675-687.	28.6	222
2	Role of microbiota on lung homeostasis and diseases. <i>Science China Life Sciences</i> , 2017, 60, 1407-1415.	4.9	53
3	Immune development and environment: lessons from Amish and Hutterite children. <i>Current Opinion in Immunology</i> , 2017, 48, 51-60.	5.5	74
4	The role of respiratory tract infections and the microbiome in the development of asthma: A narrative review. <i>Pediatric Pulmonology</i> , 2017, 52, 1363-1370.	2.0	18
5	Impact of the Microbiota on Bacterial Infections during Cancer Treatment. <i>Trends in Microbiology</i> , 2017, 25, 992-1004.	7.7	36
6	Microbial volatile communication in human organotypic lung models. <i>Nature Communications</i> , 2017, 8, 1770.	12.8	78
7	Highlights in immune response, microbiome and precision medicine in allergic disease and asthma. <i>Current Opinion in Immunology</i> , 2017, 48, iv-ix.	5.5	15
8	Disordered oropharyngeal microbial communities in H7N9 patients with or without secondary bacterial lung infection. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-11.	6.5	59
9	Canonical Stimulation of the NLRP3 Inflammasome by Fungal Antigens Links Innate and Adaptive B-Lymphocyte Responses by Modulating IL-1 $\beta$ and IgM Production. <i>Frontiers in Immunology</i> , 2017, 8, 1504.	4.8	46
10	Innate Immunity to Respiratory Infection in Early Life. <i>Frontiers in Immunology</i> , 2017, 8, 1570.	4.8	42
11	Protective Microbiota: From Localized to Long-Reaching Co-Immunity. <i>Frontiers in Immunology</i> , 2017, 8, 1678.	4.8	128
12	Transmission of Airborne Bacteria across Built Environments and Its Measurement Standards: A Review. <i>Frontiers in Microbiology</i> , 2017, 8, 2336.	3.5	86
13	Comparing the Healthy Nose and Nasopharynx Microbiota Reveals Continuity As Well As Niche-Specificity. <i>Frontiers in Microbiology</i> , 2017, 8, 2372.	3.5	89
14	The Alteration of Nasopharyngeal and Oropharyngeal Microbiota in Children with MPP and Non-MPP. <i>Genes</i> , 2017, 8, 380.	2.4	16
15	Modeling DNA damage-induced pneumopathy in mice: insight from danger signaling cascades. <i>Radiation Oncology</i> , 2017, 12, 142.	2.7	25
16	Influenza Hemagglutinin Protein Stability, Activation, and Pandemic Risk. <i>Trends in Microbiology</i> , 2018, 26, 841-853.	7.7	134
17	Human Microbes - The Power Within. , 2018, , .		6
18	Immunological roulette: Luck or something more? Considering the connections between host and environment in TB. <i>Cellular and Molecular Immunology</i> , 2018, 15, 226-232.	10.5	3

#	ARTICLE	IF	CITATIONS
19	A Focus on Microbiome Completeness and Optimized Colonization Resistance in Neonatology. NeoReviews, 2018, 19, e78-e88.	0.8	6
20	The Microbiome: Genesis and Functions. , 2018, , 37-79.		1
21	R-Phycoerythrin - labeled Mannheimia haemolytica for the simultaneous measurement of phagocytosis and intracellular reactive oxygen species production in bovine blood and bronchoalveolar lavage cells. Veterinary Immunology and Immunopathology, 2018, 196, 53-59.	1.2	12
22	Injectable antimicrobials in commercial feedlot cattle and their effect on the nasopharyngeal microbiota and antimicrobial resistance. Veterinary Microbiology, 2018, 214, 140-147.	1.9	47
23	New opportunities for managing acute and chronic lung infections. Nature Reviews Microbiology, 2018, 16, 111-120.	28.6	80
24	Interplay between the lung microbiome and lung cancer. Cancer Letters, 2018, 415, 40-48.	7.2	188
25	Emerging role of viral and bacterial co-infection in early childhood. Respiriology, 2018, 23, 128-129.	2.3	3
26	Molecular Contamination and Amplification Product Inactivation. , 2018, , 505-526.		3
27	Morbidity and Mortality Associated With Respiratory Virus Infections in Allogeneic Hematopoietic Cell Transplant: Too Little Defense or Harmful Immunity?. Frontiers in Microbiology, 2018, 9, 2795.	3.5	10
28	Monitoring and evaluation of immune status of female Kunming mice maintained in different biosafety level laboratories. Biology Open, 2018, 7, .	1.2	1
29	The Interplay Between Immune Response and Bacterial Infection in COPD: Focus Upon Non-typeable Haemophilus influenzae. Frontiers in Immunology, 2018, 9, 2530.	4.8	74
30	The microbiome and chronic rhinosinusitis. World Journal of Otorhinolaryngology - Head and Neck Surgery, 2018, 4, 216-221.	1.6	26
31	Transcriptionally Active Lung Microbiome and Its Association with Bacterial Biomass and Host Inflammatory Status. MSystems, 2018, 3, .	3.8	58
32	The Host Microbiota Contributes to Early Protection Against Lung Colonization by Mycobacterium tuberculosis. Frontiers in Immunology, 2018, 9, 2656.	4.8	94
33	Anthocyanins: Nutrition and Health. Reference Series in Phytochemistry, 2018, , 1-37.	0.4	4
34	Evolution of the nasopharyngeal bacterial microbiota of beef calves from spring processing to 40 days after feedlot arrival. Veterinary Microbiology, 2018, 225, 139-148.	1.9	30
35	Microbiome Analysis. Methods in Molecular Biology, 2018, , .	0.9	13
36	Culture and Molecular Profiling of the Respiratory Tract Microbiota. Methods in Molecular Biology, 2018, 1849, 49-61.	0.9	2

#	ARTICLE	IF	CITATIONS
37	Neonatal gut and respiratory microbiota: coordinated development through time and space. <i>Microbiome</i> , 2018, 6, 193.	11.1	68
38	The role of the lung microbiota and the gut-lung axis in respiratory infectious diseases. <i>Cellular Microbiology</i> , 2018, 20, e12966.	2.1	287
39	Airway Microbiota Dynamics Uncover a Critical Window for Interplay of Pathogenic Bacteria and Allergy in Childhood Respiratory Disease. <i>Cell Host and Microbe</i> , 2018, 24, 341-352.e5.	11.0	146
40	Pneumococcal Vaccines: Host Interactions, Population Dynamics, and Design Principles. <i>Annual Review of Microbiology</i> , 2018, 72, 521-549.	7.3	44
41	The microbiota in the intestinal and respiratory tracts of naked mole-rats revealed by high-throughput sequencing. <i>BMC Microbiology</i> , 2018, 18, 89.	3.3	11
42	A chemical derivatization based UHPLC-LTQ-Orbitrap mass spectrometry method for accurate quantification of short-chain fatty acids in bronchoalveolar lavage fluid of asthma mice. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 336-343.	2.8	20
43	High-resolution analysis of the pneumococcal transcriptome under a wide range of infection-relevant conditions. <i>Nucleic Acids Research</i> , 2018, 46, 9990-10006.	14.5	85
44	The Genetics and Genomics of Asthma. <i>Annual Review of Genomics and Human Genetics</i> , 2018, 19, 223-246.	6.2	47
45	The Role of the Immune Response in the Pathogenesis of Bronchiectasis. <i>BioMed Research International</i> , 2018, 2018, 1-12.	1.9	20
46	Does lung microbiome play a causal or casual role in asthma?. <i>Pediatric Pulmonology</i> , 2018, 53, 1340-1345.	2.0	36
47	Bacterial-Host Interactions: Physiology and Pathophysiology of Respiratory Infection. <i>Physiological Reviews</i> , 2018, 98, 781-811.	28.8	69
48	Gut-Brain Psychology: Rethinking Psychology From the Microbiotaâ€“Gutâ€“Brain Axis. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 33.	2.1	169
49	Lower respiratory tract microbial composition was diversified in <i>Pseudomonas aeruginosa</i> ventilator-associated pneumonia patients. <i>Respiratory Research</i> , 2018, 19, 139.	3.6	12
50	Integrative Physiology of Pneumonia. <i>Physiological Reviews</i> , 2018, 98, 1417-1464.	28.8	154
51	Exploring Hostâ€“Commensal Interactions in the Respiratory Tract. <i>Frontiers in Immunology</i> , 2018, 8, 1971.	4.8	7
52	New Players in Immunity to Tuberculosis: The Host Microbiome, Lung Epithelium, and Innate Immune Cells. <i>Frontiers in Immunology</i> , 2018, 9, 709.	4.8	74
53	Inorganic nanoparticles and the microbiome. <i>Nano Research</i> , 2018, 11, 4936-4954.	10.4	46
54	The Lung Microbiome in Health and Respiratory Diseases. <i>Clinical Pulmonary Medicine</i> , 2018, 25, 131-137.	0.3	3

#	ARTICLE	IF	CITATIONS
55	The nasopharyngeal microbiota in patients with viral respiratory tract infections is enriched in bacterial pathogens. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018, 37, 1725-1733.	2.9	78
56	Impaired diversity of the lung microbiome predicts progression of idiopathic pulmonary fibrosis. <i>Respiratory Research</i> , 2018, 19, 34.	3.6	64
57	Modelling upper respiratory tract diseases: getting grips on host-microbe interactions in chronic rhinosinusitis using in vitro technologies. <i>Microbiome</i> , 2018, 6, 75.	11.1	19
58	Influenza A virus infection impacts systemic microbiota dynamics and causes quantitative enteric dysbiosis. <i>Microbiome</i> , 2018, 6, 9.	11.1	194
59	Microbiome and asthma. <i>Asthma Research and Practice</i> , 2018, 4, 1.	2.4	117
60	Granulomatous Invasive <i>Aspergillus flavus</i> Infection Involving the Nasal Sinuses and Brain. <i>Journal of Investigative Medicine High Impact Case Reports</i> , 2018, 6, 232470961877047.	0.6	9
61	PARP1 Is Up-Regulated in Non-small Cell Lung Cancer Tissues in the Presence of the Cyanobacterial Toxin Microcystin. <i>Frontiers in Microbiology</i> , 2018, 9, 1757.	3.5	76
62	A sustained antiviral host response in respiratory syncytial virus infected human nasal epithelium does not prevent progeny virus production. <i>Virology</i> , 2018, 521, 20-32.	2.4	6
63	A guide to polarized airway epithelial models for studies of host-pathogen interactions. <i>FEBS Journal</i> , 2018, 285, 4343-4358.	4.7	34
64	The interaction between invariant Natural Killer <sc>T</sc> cells and the mucosal microbiota. <i>Immunology</i> , 2018, 155, 164-175.	4.4	10
65	Age-Associated Changes in Structure and Function of the Aging Human Lung. , 2018, , 873-888.		0
66	Culture-Independent Analysis of Pediatric Bronchoalveolar Lavage Specimens. <i>Annals of the American Thoracic Society</i> , 2018, 15, 1047-1056.	3.2	5
67	Initial acquisition and succession of the cystic fibrosis lung microbiome is associated with disease progression in infants and preschool children. <i>PLoS Pathogens</i> , 2018, 14, e1006798.	4.7	147
68	Microbiome in the primary prevention of allergic diseases and bronchial asthma. <i>Allergologia Et Immunopathologia</i> , 2019, 47, 79-84.	1.7	9
69	Xylitol's Health Benefits beyond Dental Health: A Comprehensive Review. <i>Nutrients</i> , 2019, 11, 1813.	4.1	54
70	An integrated respiratory microbial gene catalogue to better understand the microbial aetiology of <i>Mycoplasma pneumoniae</i> pneumonia. <i>GigaScience</i> , 2019, 8, .	6.4	16
71	Characteristics of biological particulate matters at urban and rural sites in the North China Plain. <i>Environmental Pollution</i> , 2019, 253, 569-577.	7.5	18
72	Monitoring of Air Microbial Contaminations in Different Bioenergy Facilities Using Cultural and Biomolecular Methods. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2546.	2.6	7

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73	Lung Microbiota and Pulmonary Inflammatory Cytokines Expression Vary in Children With Tracheomalacia and Adenoviral or Mycoplasma pneumoniae Pneumonia. <i>Frontiers in Pediatrics</i> , 2019, 7, 265.	1.9	21
74	Potential Strategies and Targets for the Prevention of Pediatric Asthma. <i>Immunology and Allergy Clinics of North America</i> , 2019, 39, 151-162.	1.9	6
75	Particulate matter disrupts airway epithelial barrier via oxidative stress to promote <i>Pseudomonas aeruginosa</i> infection. <i>Journal of Thoracic Disease</i> , 2019, 11, 2617-2627.	1.4	49
76	Microbial Composition of the Human Nasopharynx Varies According to Influenza Virus Type and Vaccination Status. <i>MBio</i> , 2019, 10, .	4.1	34
77	Translating Recent Microbiome Insights in Otitis Media into Probiotic Strategies. <i>Clinical Microbiology Reviews</i> , 2019, 32, .	13.6	23
78	Interactions between microbiome and lungs: Paving new paths for microbiome based bio-engineered drug delivery systems in chronic respiratory diseases. <i>Chemico-Biological Interactions</i> , 2019, 310, 108732.	4.0	29
79	Shifts in the nasal microbiota of swine in response to different dosing regimens of oxytetracycline administration. <i>Veterinary Microbiology</i> , 2019, 237, 108386.	1.9	17
80	Importance of pressure plasticity during compression of probiotic tablet formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 145, 7-11.	4.3	7
81	Respiratory Dysbiosis in Canine Bacterial Pneumonia: Standard Culture vs. Microbiome Sequencing. <i>Frontiers in Veterinary Science</i> , 2019, 6, 354.	2.2	14
82	Discovering myeloid cell heterogeneity in the lung by means of next generation sequencing. <i>Military Medical Research</i> , 2019, 6, 33.	3.4	16
83	<i>Aspergillus fumigatus</i> and Aspergillosis in 2019. <i>Clinical Microbiology Reviews</i> , 2019, 33, .	13.6	534
84	Application of iPSC to Modelling of Respiratory Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1237, 1-16.	1.6	14
85	Development of Bacterial Therapeutics against the Bovine Respiratory Pathogen <i>Mannheimia haemolytica</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	29
86	Probiotics and Psychobiotics: the Role of Microbial Neurochemicals. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 1071-1085.	3.9	62
87	Peptidoglycan-Associated Cyclic Lipopeptide Disrupts Viral Infectivity. <i>Journal of Virology</i> , 2019, 93, .	3.4	47
88	Lower Airway Microbiota. <i>Frontiers in Pediatrics</i> , 2019, 7, 393.	1.9	38
89	Examining the relationship between household air pollution and infant microbial nasal carriage in a Ghanaian cohort. <i>Environment International</i> , 2019, 133, 105150.	10.0	27
90	Exploring the microbiota of upper respiratory tract during the development of pneumonia in a mouse model. <i>PLoS ONE</i> , 2019, 14, e0222589.	2.5	18

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91	Mucosal Immune System of Cattle. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2019, 35, 431-451.	1.2	38
92	The Microbiome of an Active Meat Curing Brine. <i>Frontiers in Microbiology</i> , 2018, 9, 3346.	3.5	16
93	Anthocyanins: Nutrition and Health. <i>Reference Series in Phytochemistry</i> , 2019, , 1097-1133.	0.4	4
94	Total flavonoids from sea buckthorn ameliorates lipopolysaccharide/cigarette smoke-induced airway inflammation. <i>Phytotherapy Research</i> , 2019, 33, 2102-2117.	5.8	29
95	Commensal Bacteria: An Emerging Player in Defense Against Respiratory Pathogens. <i>Frontiers in Immunology</i> , 2019, 10, 1203.	4.8	101
96	Characterization of ocular and nasopharyngeal microbiome in allergic rhinoconjunctivitis. <i>Pediatric Allergy and Immunology</i> , 2019, 30, 624-631.	2.6	34
97	Antibiotic treatment in feedlot cattle: a longitudinal study of the effect of oxytetracycline and tulathromycin on the fecal and nasopharyngeal microbiota. <i>Microbiome</i> , 2019, 7, 86.	11.1	69
98	Altered respiratory virome and serum cytokine profile associated with recurrent respiratory tract infections in children. <i>Nature Communications</i> , 2019, 10, 2288.	12.8	45
99	Microbiota-Dependent Regulation of Antimicrobial Immunity in the Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 284-289.	2.9	14
100	Contribution of the Mucosal Microbiota to Bovine Respiratory Health. <i>Trends in Microbiology</i> , 2019, 27, 753-770.	7.7	73
101	Magnetic SERS Strip for Sensitive and Simultaneous Detection of Respiratory Viruses. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19495-19505.	8.0	207
102	Microplastics and the gut microbiome: How chronically exposed species may suffer from gut dysbiosis. <i>Marine Pollution Bulletin</i> , 2019, 143, 193-203.	5.0	178
103	Rapid cell division of <i>Staphylococcus aureus</i> during colonization of the human nose. <i>BMC Genomics</i> , 2019, 20, 229.	2.8	22
104	Loss of Microbial Topography between Oral and Nasopharyngeal Microbiota and Development of Respiratory Infections Early in Life. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 760-770.	5.6	55
105	Host tissue determinants of tumour immunity. <i>Nature Reviews Cancer</i> , 2019, 19, 215-227.	28.4	150
106	Detecting respiratory infection in children with cystic fibrosis: Cough swab, sputum induction or bronchoalveolar lavage. <i>Paediatric Respiratory Reviews</i> , 2019, 31, 28-31.	1.8	9
107	Bacterial and viral respiratory tract microbiota and host characteristics in children with lower respiratory tract infections: a matched case-control study. <i>Lancet Respiratory Medicine</i> , 2019, 7, 417-426.	10.7	140
108	Respiratory Microbiota Predicts Clinical Disease Course of Acute Otorrhea in Children With Tympanostomy Tubes. <i>Pediatric Infectious Disease Journal</i> , 2019, 38, e116-e125.	2.0	23

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109	The microbiome and tuberculosis: state of the art, potential applications, and defining the clinical research agenda. <i>Lancet Respiratory Medicine</i> , 2019, 7, 892-906.	10.7	62
110	Nasal microbial composition and chronic otitis media with effusion: A case-control study. <i>PLoS ONE</i> , 2019, 14, e0212473.	2.5	20
111	<i>Strongyloides stercoralis</i> hyperinfection syndrome: a deeper understanding of a neglected disease. <i>Journal of Parasitic Diseases</i> , 2019, 43, 167-175.	1.0	58
112	Septic patients in the intensive care unit present different nasal microbiotas. <i>Future Microbiology</i> , 2019, 14, 383-395.	2.0	4
113	Oropharyngeal Microbiome in Obstructive Sleep Apnea: Decreased Diversity and Abundance. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 1777-1788.	2.6	25
114	Exposure to atmospheric pollutants is associated with alterations of gut microbiota in spontaneously hypertensive rats. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 3484-3492.	1.8	3
115	Anterior Nares Diversity and Pathobionts Represent Sinus Microbiome in Chronic Rhinosinusitis. <i>MSphere</i> , 2019, 4, .	2.9	47
116	Close Encounters of the Viral Kind: Cross-Kingdom Synergies at the Host-Pathogen Interface. <i>BioEssays</i> , 2019, 41, 1900128.	2.5	2
117	Mucosal delivery of tuberculosis vaccines: a review of current approaches and challenges. <i>Expert Review of Vaccines</i> , 2019, 18, 1271-1284.	4.4	37
118	Longitudinal study of the bacterial and fungal microbiota in the human sinuses reveals seasonal and annual changes in diversity. <i>Scientific Reports</i> , 2019, 9, 17416.	3.3	44
119	The microbiome of the nose. <i>Annals of Allergy, Asthma and Immunology</i> , 2019, 122, 17-24.	1.0	39
120	Breath analysis in respiratory diseases: state-of-the-art and future perspectives. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 47-61.	3.1	18
121	Concept of microbial gatekeepers: Positive guys?. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 633-641.	3.6	20
122	Sputum Microbiome Is Associated with 1-Year Mortality after Chronic Obstructive Pulmonary Disease Hospitalizations. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1205-1213.	5.6	95
123	Is Microbiota Research Advancing Our Understanding of Infection?. <i>Clinical Infectious Diseases</i> , 2019, 68, 1300-1302.	5.8	1
124	$\beta$ -Defensins: Farming the Microbiome for Homeostasis and Health. <i>Frontiers in Immunology</i> , 2018, 9, 3072.	4.8	111
125	Embracing microbes in exposure science. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 1-10.	3.9	23
126	Nasal Microbiota and Respiratory Tract Infections: The Role of Viral Detection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 919-922.	5.6	12



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127	High-throughput 16S rDNA sequencing of the pulmonary microbiome of rats with allergic asthma. <i>Genes and Diseases</i> , 2020, 7, 272-282.	3.4	8
128	Nasal Pneumococcal Density Is Associated with Microaspiration and Heightened Human Alveolar Macrophage Responsiveness to Bacterial Pathogens. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 335-347.	5.6	33
129	Influence of Commensal Microbiota and Metabolite for Mucosal Immunity. , 2020, , 143-164.		1
130	The Gut Microbiota Affects Host Pathophysiology as an Endocrine Organ: A Focus on Cardiovascular Disease. <i>Nutrients</i> , 2020, 12, 79.	4.1	52
131	Systems biology and big data in asthma and allergy: recent discoveries and emerging challenges. <i>European Respiratory Journal</i> , 2020, 55, 1900844.	6.7	22
132	Panel 4: Recent advances in understanding the natural history of the otitis media microbiome and its response to environmental pressures. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 130, 109836.	1.0	16
133	Microbial interactions in the atopic march. <i>Clinical and Experimental Immunology</i> , 2019, 199, 12-23.	2.6	18
134	Probiotics and prebiotics potential for the care of skin, female urogenital tract, and respiratory tract. <i>Folia Microbiologica</i> , 2020, 65, 245-264.	2.3	63
135	A respiratory commensal bacterium acts as a risk factor for <i>Mycoplasma gallisepticum</i> infection in chickens. <i>Veterinary Immunology and Immunopathology</i> , 2020, 230, 110127.	1.2	19
136	The Nasopharyngeal and Gut Microbiota in Children in a Pediatric Otolaryngology Practice. <i>Pediatric Infectious Disease Journal</i> , 2020, 39, e226-e233.	2.0	10
137	Altered respiratory microbiota composition and functionality associated with asthma early in life. <i>BMC Infectious Diseases</i> , 2020, 20, 697.	2.9	16
138	Lysogeny in <i>Streptococcus pneumoniae</i> . <i>Microorganisms</i> , 2020, 8, 1546.	3.6	10
139	Progression of nasopharyngeal and tracheal bacterial microbiotas of feedlot cattle during development of bovine respiratory disease. <i>Veterinary Microbiology</i> , 2020, 248, 108826.	1.9	22
140	Human nasal microbiota. <i>Current Biology</i> , 2020, 30, R1118-R1119.	3.9	6
141	Impacts of microplastics exposure on mussel ( <i>Mytilus edulis</i> ) gut microbiota. <i>Science of the Total Environment</i> , 2020, 745, 141018.	8.0	56
142	Nasal microbiota dominated by <i>Moraxella</i> spp. is associated with respiratory health in the elderly population: a case control study. <i>Respiratory Research</i> , 2020, 21, 181.	3.6	13
143	On-Demand Bacterial Reactivation by Restraining within a Triggerable Nanocoating. <i>Advanced Materials</i> , 2020, 32, e2002406.	21.0	76
144	Environmental shaping of the bacterial and fungal community in infant bed dust and correlations with the airway microbiota. <i>Microbiome</i> , 2020, 8, 115.	11.1	36

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145	Interplay between engineered nanomaterials and microbiota. <i>Environmental Science: Nano</i> , 2020, 7, 2454-2485.	4.3	21
146	Regulatory role of Gpr84 in the switch of alveolar macrophages from CD11blo to CD11bhi status during lung injury process. <i>Mucosal Immunology</i> , 2020, 13, 892-907.	6.0	15
147	Vital Members in the More Dysbiotic Oropharyngeal Microbiotas in H7N9-Infected Patients. <i>Frontiers in Medicine</i> , 2020, 7, 396.	2.6	6
148	Strain-specific differences in behaviour among <i>Lactocaseibacillus rhamnosus</i> cell wall mutants during direct compression. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119755.	5.2	7
149	Early origins of lung disease: towards an interdisciplinary approach. <i>European Respiratory Review</i> , 2020, 29, 200191.	7.1	21
150	<i>Lactocaseibacillus casei</i> AMBR2 modulates the epithelial barrier function and immune response in a donor-derived nasal microbiota manner. <i>Scientific Reports</i> , 2020, 10, 16939.	3.3	15
151	Formyl peptide receptors in the mucosal immune system. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1694-1704.	7.7	26
152	Alternation of nasopharyngeal microbiota in healthy youth is associated with environmental factors: implication for respiratory diseases. <i>International Journal of Environmental Health Research</i> , 2022, 32, 952-962.	2.7	11
153	Upper Respiratory Tract Microbiome and Otitis Media Intertalk: Lessons from the Literature. <i>Journal of Clinical Medicine</i> , 2020, 9, 2845.	2.4	11
154	Antimicrobial mouthwashes (gargling) and nasal sprays to protect healthcare workers when undertaking aerosol-generating procedures (AGPs) on patients without suspected or confirmed COVID-19 infection. <i>The Cochrane Library</i> , 2020, 2020, CD013628.	2.8	19
155	The influence of air pollution on respiratory microbiome: A link to respiratory disease. <i>Toxicology Letters</i> , 2020, 334, 14-20.	0.8	35
156	<i>Dolosigranulum pigrum</i> Cooperation and Competition in Human Nasal Microbiota. <i>MSphere</i> , 2020, 5, .	2.9	65
157	Use of antimicrobial mouthwashes (gargling) and nasal sprays by healthcare workers to protect them when treating patients with suspected or confirmed COVID-19 infection. <i>The Cochrane Library</i> , 2020, 2020, CD013626.	2.8	25
158	Antimicrobial mouthwashes (gargling) and nasal sprays administered to patients with suspected or confirmed COVID-19 infection to improve patient outcomes and to protect healthcare workers treating them. <i>The Cochrane Library</i> , 2020, 2020, CD013627.	2.8	47
159	Longitudinal Changes in Early Nasal Microbiota and the Risk of Childhood Asthma. <i>Pediatrics</i> , 2020, 146, .	2.1	29
161	Evaluation of the upper airway microbiome and immune response with nasal epithelial lining fluid absorption and nasal washes. <i>Scientific Reports</i> , 2020, 10, 20618.	3.3	4
162	The human respiratory tract microbial community structures in healthy and cystic fibrosis infants. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 61.	6.4	18
163	The Microbiota/Host Immune System Interaction in the Nose to Protect from COVID-19. <i>Life</i> , 2020, 10, 345.	2.4	27

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164	Exposure to traffic-related PM2.5 pollutants significantly affect the diversity and quantity of lung microbiota in a rat model. IOP Conference Series: Earth and Environmental Science, 2020, 601, 012006.	0.3	1
165	Streptococcus xiaochunlingii sp. nov. E24 Isolated From the Oropharynx of Healthy Chinese Children. Frontiers in Microbiology, 2020, 11, 563213.	3.5	2
166	Alterations in Oral–Nasal–Pharyngeal Microbiota and Salivary Proteins in Mouth-Breathing Children. Frontiers in Microbiology, 2020, 11, 575550.	3.5	15
167	Pediatric oropharyngeal microbiome: Mapping in chronic tonsillitis and tonsillar hypertrophy. International Journal of Pediatric Otorhinolaryngology, 2020, 139, 110478.	1.0	12
168	The Ability of Respiratory Commensal Bacteria to Beneficially Modulate the Lung Innate Immune Response Is a Strain Dependent Characteristic. Microorganisms, 2020, 8, 727.	3.6	30
169	Persistent Legionnaires™ Disease and Associated Antibiotic Treatment Engender a Highly Disturbed Pulmonary Microbiome Enriched in Opportunistic Microorganisms. MBio, 2020, 11, .	4.1	6
170	Continental-Scale Microbiome Study Reveals Different Environmental Characteristics Determining Microbial Richness, Composition, and Quantity in Hotel Rooms. MSystems, 2020, 5, .	3.8	20
171	Optimizing 16S rRNA gene profile analysis from low biomass nasopharyngeal and induced sputum specimens. BMC Microbiology, 2020, 20, 113.	3.3	16
172	Antimicrobial mouthwashes (gargling) and nasal sprays administered to patients with suspected or confirmed COVID-19 infection to improve patient outcomes and to protect healthcare workers treating them. The Cochrane Library, 0, , .	2.8	6
173	Antimicrobial mouthwashes (gargling) and nasal sprays to protect healthcare workers when undertaking aerosol-generating procedures (AGPs) on patients without suspected or confirmed COVID-19 infection. The Cochrane Library, 0, , .	2.8	7
174	Lactobacilli Have a Niche in the Human Nose. Cell Reports, 2020, 31, 107674.	6.4	75
175	Viral infections and wheezing–asthma inception in childhood: is there a role for immunomodulation by oral bacterial lysates?. Clinical and Translational Allergy, 2020, 10, 17.	3.2	16
176	Topography of the respiratory tract bacterial microbiota in cattle. Microbiome, 2020, 8, 91.	11.1	38
177	Molecular and cellular cues governing nanomaterial–mucosae interactions: from nanomedicine to nanotoxicology. Chemical Society Reviews, 2020, 49, 5058-5100.	38.1	39
178	Re-evaluation of Streptococcus pneumoniae carriage in Portuguese elderly by qPCR increases carriage estimates and unveils an expanded pool of serotypes. Scientific Reports, 2020, 10, 8373.	3.3	17
179	Current Challenges in Chronic Bronchial Infection in Patients with Chronic Obstructive Pulmonary Disease. Journal of Clinical Medicine, 2020, 9, 1639.	2.4	23
180	Human microbiome: an academic update on human body site specific surveillance and its possible role. Archives of Microbiology, 2020, 202, 2147-2167.	2.2	141
181	Airway bacterial carriage and childhood respiratory health: A population–based prospective cohort study. Pediatric Allergy and Immunology, 2020, 31, 774-782.	2.6	6

#	ARTICLE	IF	CITATIONS
182	Super-dominant pathobiontic bacteria in the nasopharyngeal microbiota as causative agents of secondary bacterial infection in influenza patients. <i>Emerging Microbes and Infections</i> , 2020, 9, 605-615.	6.5	18
183	The characterization of bacterial communities of oropharynx microbiota in healthy children by combining culture techniques and sequencing of the 16S rRNA gene. <i>Microbial Pathogenesis</i> , 2020, 143, 104115.	2.9	7
184	The Microbiome of the Nose—Friend or Foe?. <i>Allergy and Rhinology</i> , 2020, 11, 215265672091160.	1.6	62
185	Shotgun metagenomics of dust microbiome from flight deck and cabin in civil aviation aircraft. <i>Indoor Air</i> , 2020, 30, 1199-1212.	4.3	19
186	The lung tissue microbiota features of 20 deceased patients with COVID-19. <i>Journal of Infection</i> , 2020, 81, e64-e67.	3.3	87
187	Preservation of the fecal samples at ambient temperature for microbiota analysis with a cost-effective and reliable stabilizer EffcGut. <i>Science of the Total Environment</i> , 2020, 741, 140423.	8.0	11
188	Perspectives in lung microbiome research. <i>Current Opinion in Microbiology</i> , 2020, 56, 24-29.	5.1	11
189	Crosstalk Between Gut Microbiota and Innate Immunity and Its Implication in Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2020, 11, 282.	4.8	154
190	Airway microbiota in children with bronchial mucus plugs caused by <i>Mycoplasma pneumoniae</i> pneumonia. <i>Respiratory Medicine</i> , 2020, 170, 105902.	2.9	8
191	The Role of Lung and Gut Microbiota in the Pathology of Asthma. <i>Immunity</i> , 2020, 52, 241-255.	14.3	329
192	Sputum microbiome profiling in COPD: beyond singular pathogen detection. <i>Thorax</i> , 2020, 75, 338-344.	5.6	37
193	Nasal Microbiota Modifies the Effects of Particulate Air Pollution on Plasma Extracellular Vesicles. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 611.	2.6	8
194	The Roadmap From Allergic Rhinitis to Asthma. <i>Current Treatment Options in Allergy</i> , 2020, 7, 110-123.	2.2	0
195	<i>Haemophilus influenzae</i> Glucose Catabolism Leading to Production of the Immunometabolite Acetate Has a Key Contribution to the Host Airway–Pathogen Interplay. <i>ACS Infectious Diseases</i> , 2020, 6, 406-421.	3.8	15
196	Microbiome Anomalies in Allogeneic Hematopoietic Cell Transplantation. <i>Annual Review of Medicine</i> , 2020, 71, 137-148.	12.2	16
197	Biology and Function of Exo-Polysaccharides from Human Fungal Pathogens. <i>Current Clinical Microbiology Reports</i> , 2020, 7, 1-11.	3.4	8
198	The Inflammation Superhighway. , 2020, , 131-150.		2
199	Synthesis and Antimicrobial Evaluation of Side-Chain Derivatives based on Eurotiumide A. <i>Marine Drugs</i> , 2020, 18, 92.	4.6	3

#	ARTICLE	IF	CITATIONS
200	Polmonite acuta comunitaria dell'adulto al Pronto Soccorso. EMC - Urgenze, 2020, 24, 1-15.	0.0	0
201	Hemagglutinin Stability Regulates H1N1 Influenza Virus Replication and Pathogenicity in Mice by Modulating Type I Interferon Responses in Dendritic Cells. Journal of Virology, 2020, 94, .	3.4	18
202	Bacterial Community Interactions During Chronic Respiratory Disease. Frontiers in Cellular and Infection Microbiology, 2020, 10, 213.	3.9	70
203	Accuracy and consequences of using trial-of-antibiotics for TB diagnosis (ACT-TB study): protocol for a randomised controlled clinical trial. BMJ Open, 2020, 10, e033999.	1.9	1
204	Microbiota-immune interactions in asthma pathogenesis and phenotype. Current Opinion in Immunology, 2020, 66, 22-26.	5.5	13
205	Ozone exposure leads to changes in airway permeability, microbiota and metabolome: a randomised, double-blind, crossover trial. European Respiratory Journal, 2020, 56, 2000165.	6.7	21
206	Porphyromonas: A neglected potential key genus in human microbiomes. Anaerobe, 2021, 68, 102230.	2.1	22
207	The human microbiome in sickness and in health. Revista Clínica Española, 2021, 221, 233-240.	0.5	8
208	Microbioma humano en la salud y la enfermedad. Revista Clínica Española, 2021, 221, 233-240.	0.6	19
209	Distinct Clinical Pathology and Microbiota in Chronic Rhinosinusitis With Nasal Polyps Endotypes. Laryngoscope, 2021, 131, E34-E44.	2.0	17
210	Role of pulmonary microorganisms in the development of chronic obstructive pulmonary disease. Critical Reviews in Microbiology, 2021, 47, 1-12.	6.1	18
211	Staphylococcus aureus and its Effects on the Prognosis of Bronchiectasis. Microbial Drug Resistance, 2021, 27, 823-834.	2.0	3
212	Macrophage metabolic reprogramming during chronic lung disease. Mucosal Immunology, 2021, 14, 282-295.	6.0	53
213	Optimizing the quality of clinical studies on oral microbiome: A practical guide for planning, performing, and reporting. Periodontology 2000, 2021, 85, 210-236.	13.4	51
214	Derived habitats of indoor microbes are associated with asthma symptoms in Chinese university dormitories. Environmental Research, 2021, 194, 110501.	7.5	18
215	Metagenomic sequencing and evaluation of the host response in the pediatric aerodigestive population. Pediatric Pulmonology, 2021, 56, 516-524.	2.0	3
216	The central role of the nasal microenvironment in the transmission, modulation, and clinical progression of SARS-CoV-2 infection. Mucosal Immunology, 2021, 14, 305-316.	6.0	173
217	Microbiome: A Supportive or a Leading Actor in Lung Cancer?. Pathobiology, 2021, 88, 198-207.	3.8	15

#	ARTICLE	IF	CITATIONS
218	Temporal Dysbiosis of Infant Nasal Microbiota Relative to Respiratory Syncytial Virus Infection. <i>Journal of Infectious Diseases</i> , 2021, 223, 1650-1658.	4.0	9
219	Nasopharyngeal Microbiota Profiles in Rural Venezuelan Children Are Associated With Respiratory and Gastrointestinal Infections. <i>Clinical Infectious Diseases</i> , 2021, 72, 212-221.	5.8	16
220	Lung microbiota dysbiosis and the implications of SARS-CoV-2 infection in pregnancy. <i>Therapeutic Advances in Infectious Disease</i> , 2021, 8, 204993612110324.	1.8	5
221	Targeting host-microbial interactions to develop otitis media therapies. <i>Microbiology Australia</i> , 2021, 42, 75.	0.4	0
222	The Role of Upper Airway Microbiome in the Development of Adult Asthma. <i>Immune Network</i> , 2021, 21, e19.	3.6	19
223	Lung Microbiome in Human Health and Diseases. , 2021, , .		2
224	Role of Upper Respiratory Microbiota and Virome in Childhood Rhinitis and Wheeze: Collegium Internationale Allergologicum Update 2021. <i>International Archives of Allergy and Immunology</i> , 2021, 182, 265-276.	2.1	7
225	The microbiota in pneumonia: From protection to predisposition. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	43
226	Pneumococcal Colonization and Virulence Factors Identified Via Experimental Evolution in Infection Models. <i>Molecular Biology and Evolution</i> , 2021, 38, 2209-2226.	8.9	9
227	The upper respiratory tract microbiome of indigenous Orang Asli in north-eastern Peninsular Malaysia. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 1.	6.4	49
228	Slow-Growing Nontuberculous Mycobacteria in Transplant. , 2021, , 459-485.		0
229	Genome-wide analysis of DNA uptake across the outer membrane of naturally competent <i>Haemophilus influenzae</i> . <i>IScience</i> , 2021, 24, 102007.	4.1	4
230	Lactic acid bacteria as probiotics for the nose?. <i>Microbial Biotechnology</i> , 2021, 14, 859-869.	4.2	27
231	Grindelia squarrosa Extract and Grindelic Acid Modulate Pro-inflammatory Functions of Respiratory Epithelium and Human Macrophages. <i>Frontiers in Pharmacology</i> , 2020, 11, 534111.	3.5	4
232	Investigation of Nasal/Oropharyngeal Microbial Community of COVID-19 Patients by 16S rDNA Sequencing. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2174.	2.6	59
233	Microbiota Modulation of the Gut-Lung Axis in COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 635471.	4.8	138
234	Metagenomics Reveals That Intravenous Injection of Beta-Hydroxybutyric Acid (BHBA) Disturbs the Nasopharynx Microflora and Increases the Risk of Respiratory Diseases. <i>Frontiers in Microbiology</i> , 2020, 11, 630280.	3.5	10
235	Interplay between the Gut Microbiota and Inflammatory Mediators in the Development of Colorectal Cancer. <i>Cancers</i> , 2021, 13, 734.	3.7	14

#	ARTICLE	IF	CITATIONS
236	Temporal association between human upper respiratory and gut bacterial microbiomes during the course of COVID-19 in adults. <i>Communications Biology</i> , 2021, 4, 240.	4.4	81
237	Recent developments in cancer research: Expectations for a new remedy. <i>Annals of Gastroenterological Surgery</i> , 2021, 5, 419-426.	2.4	12
238	Impact of Temporal pH Fluctuations on the Coexistence of Nasal Bacteria in an in silico Community. <i>Frontiers in Microbiology</i> , 2021, 12, 613109.	3.5	7
239	Microbiota and cancer: In vitro and in vivo models to evaluate nanomedicines. <i>Advanced Drug Delivery Reviews</i> , 2021, 170, 44-70.	13.7	10
240	Detection of IgM, IgG and SARS-CoV-2 RNA among the personnel of the University of Milan, March through May 2020: the UNICORN study. <i>BMJ Open</i> , 2021, 11, e046800.	1.9	6
241	Integrated characterization of SARS-CoV-2 genome, microbiome, antibiotic resistance and host response from single throat swabs. <i>Cell Discovery</i> , 2021, 7, 19.	6.7	11
242	The clinical path to deliver encapsulated phages and lysins. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	8.6	20
243	Resident bacteria contribute to opportunistic infections of the respiratory tract. <i>PLoS Pathogens</i> , 2021, 17, e1009436.	4.7	11
244	Changes in the Cystic Fibrosis Airway Microbiome in Response to CFTR Modulator Therapy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 548613.	3.9	31
245	The triad: respiratory microbiome “virus” immune response in the pathophysiology of pulmonary viral infections. <i>Expert Review of Respiratory Medicine</i> , 2021, 15, 635-648.	2.5	4
246	Elimination and irrigation therapy to optimize the state of the nasal microbiome in children. <i>Meditinskiy Sovet</i> , 2021, , 50-58.	0.5	0
249	Respiratory microbiome in mechanically ventilated patients: a narrative review. <i>Intensive Care Medicine</i> , 2021, 47, 292-306.	8.2	40
250	Butyrate Prevents TGF- $\beta$ 1-Induced Alveolar Myofibroblast Differentiation and Modulates Energy Metabolism. <i>Metabolites</i> , 2021, 11, 258.	2.9	13
252	Tonsillar Microbiota: a Cross-Sectional Study of Patients with Chronic Tonsillitis or Tonsillar Hypertrophy. <i>MSystems</i> , 2021, 6, .	3.8	7
253	Characterization of respiratory microbial dysbiosis in hospitalized COVID-19 patients. <i>Cell Discovery</i> , 2021, 7, 23.	6.7	34
254	Lung immune tone via gut-lung axis: gut-derived LPS and short-chain fatty acids™ immunometabolic regulation of lung IL-1 $\beta$ , FFAR2, and FFAR3 expression. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L65-L78.	2.9	60
255	Nasopharyngeal microbiome analyses in otitis-prone and otitis-free children. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2021, 143, 110629.	1.0	9
256	SARS-CoV-2 infection and viral load are associated with the upper respiratory tract microbiome. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1226-1233.e2.	2.9	58



#	ARTICLE	IF	CITATIONS
257	Related Factors to Streptococcus pneumoniae Invasive Infection and Clinical Manifestations: The Potential Role of Nasopharyngeal Microbiome. <i>Frontiers in Medicine</i> , 2021, 8, 650271.	2.6	9
258	Bovine respiratory coronavirus enhances bacterial adherence by upregulating expression of cellular receptors on bovine respiratory epithelial cells. <i>Veterinary Microbiology</i> , 2021, 255, 109017.	1.9	11
259	Every breath you take: Impacts of environmental dust exposure on intestinal barrier functionâ€“from the gut-lung axis to COVID-19. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G586-G600.	3.4	14
260	Systems Biology Modeling of the Complement System Under Immune Susceptible Pathogens. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	4
261	Tumour neoantigen mimicry by microbial species in cancer immunotherapy. <i>British Journal of Cancer</i> , 2021, 125, 313-323.	6.4	29
263	<i>Pseudomonas aeruginosa</i> in bronchiectasis: infection, inflammation, and therapies. <i>Expert Review of Respiratory Medicine</i> , 2021, 15, 649-662.	2.5	19
264	Nasopharyngeal Microbiomes in Donkeys Shedding Streptococcus equi Subspecies equi in Comparison to Healthy Donkeys. <i>Frontiers in Veterinary Science</i> , 2021, 8, 645627.	2.2	2
265	Assessment of the safety and anti-inflammatory effects of three <i>Bacillus</i> strains in the respiratory tract. <i>Environmental Microbiology</i> , 2021, 23, 3077-3098.	3.8	14
266	The clinical and histopathologic effects of potentiated chlorhexidine in the upper respiratory tract of horses. <i>Veterinary Surgery</i> , 2021, 50, 1209-1217.	1.0	4
267	Insights Into the Effects of Mucosal Epithelial and Innate Immune Dysfunction in Older People on Host Interactions With Streptococcus pneumoniae. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 651474.	3.9	4
268	The Airway Pathobiome in Complex Respiratory Diseases: A Perspective in Domestic Animals. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 583600.	3.9	16
269	Microbial Contamination in Hospital Environment Has the Potential to Colonize Preterm Newbornsâ€™ Nasal Cavities. <i>Pathogens</i> , 2021, 10, 615.	2.8	16
271	Cytokine expression patterns in hospitalized children with Bordetella pertussis, Rhinovirus or co-infection. <i>Scientific Reports</i> , 2021, 11, 10948.	3.3	2
272	Progressive deterioration of the upper respiratory tract and the gut microbiomes in children during the early infection stages of COVID-19. <i>Journal of Genetics and Genomics</i> , 2021, 48, 803-814.	3.9	26
273	The lower respiratory tract microbiome of critically ill patients with COVID-19. <i>Scientific Reports</i> , 2021, 11, 10103.	3.3	52
274	Technical Innovations in Pneumology: E-Health, Screening, Diagnostics, and Therapy. <i>Respiration</i> , 2021, 100, 1-7.	2.6	0
275	Metagenomic analysis reveals oropharyngeal microbiota alterations in patients with COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 191.	17.1	92
276	Altered Nasal Microbiota Composition Associated with Development of Polyserositis by Mycoplasma hyorhinis. <i>Pathogens</i> , 2021, 10, 603.	2.8	10



#	ARTICLE	IF	CITATIONS
277	The influence of early-life microbial exposures on long-term respiratory health. Paediatric Respiratory Reviews, 2021, 40, 15-23.	1.8	4
278	Dolosigranulum pigrum Modulates Immunity against SARS-CoV-2 in Respiratory Epithelial Cells. Pathogens, 2021, 10, 634.	2.8	10
279	Microbiota and Tuberculosis: A Potential Role of Probiotics, and Postbiotics. Frontiers in Nutrition, 2021, 8, 626254.	3.7	25
280	Topical Microbial Therapeutics against Respiratory Viral Infections. Trends in Molecular Medicine, 2021, 27, 538-553.	6.7	20
281	The microbiome of the nasopharynx. Journal of Medical Microbiology, 2021, 70, .	1.8	16
282	Diversity and genomic determinants of the microbiomes associated with COVID-19 and non-COVID respiratory diseases. Gene Reports, 2021, 23, 101200.	0.8	25
283	Estimated Cost-effectiveness of Solar-Powered Oxygen Delivery for Pneumonia in Young Children in Low-Resource Settings. JAMA Network Open, 2021, 4, e2114686.	5.9	8
284	Nasopharyngeal Microbiota in SARS-CoV-2 Positive and Negative Patients. Biological Procedures Online, 2021, 23, 10.	2.9	26
285	Bacterial and Viral Respiratory Tract Microbiota and Host Characteristics in Adults With Lower Respiratory Tract Infections: A Case-Control Study. Clinical Infectious Diseases, 2022, 74, 776-784.	5.8	14
286	Manipulating the infant respiratory microbiomes to improve clinical outcomes: A review of the literature. Journal of Infection, 2021, 82, 247-252.	3.3	4
287	Commensal microbiota contributes to predicting the response to immune checkpoint inhibitors in non-small-cell lung cancer patients. Cancer Science, 2021, 112, 3005-3017.	3.9	31
288	The Respiratory Commensal Bacterium Dolosigranulum pigrum 040417 Improves the Innate Immune Response to Streptococcus pneumoniae. Microorganisms, 2021, 9, 1324.	3.6	9
289	Impact of Probiotic Bacteria on Respiratory Allergy Disorders. Frontiers in Microbiology, 2021, 12, 688137.	3.5	12
290	Molecular Mechanisms of Lipid Metabolism Disorders in Infectious Exacerbations of Chronic Obstructive Pulmonary Disease. International Journal of Molecular Sciences, 2021, 22, 7634.	4.1	17
291	Hidden in Plain Sight: Natural Products of Commensal Microbiota as an Environmental Selection Pressure for the Rise of New Variants of SARS-CoV-2. ChemBioChem, 2021, 22, 2946-2950.	2.6	11
292	Infant Nasopharyngeal Microbiota Subphenotypes and Early Childhood Lung Function: Evidence from a Rural Ghanaian Pregnancy Cohort. International Journal of Environmental Research and Public Health, 2021, 18, 7276.	2.6	2
293	Microbiome dysbiosis and epigenetic modulations in lung cancer: From pathogenesis to therapy. Seminars in Cancer Biology, 2022, 86, 732-742.	9.6	23
294	The nasal microbiome, nasal transcriptome, and pet sensitization. Journal of Allergy and Clinical Immunology, 2021, 148, 244-249.e4.	2.9	8

#	ARTICLE	IF	CITATIONS
295	The Role of the Respiratory Microbiome and Viral Presence in Lower Respiratory Tract Infection Severity in the First Five Years of Life. <i>Microorganisms</i> , 2021, 9, 1446.	3.6	4
296	Characteristics of the bacterial microbiota in the upper respiratory tract of children. <i>European Archives of Oto-Rhino-Laryngology</i> , 2022, 279, 1081-1089.	1.6	3
297	Follow-up study of airway microbiota in children with persistent wheezing. <i>Respiratory Research</i> , 2021, 22, 213.	3.6	7
298	Nasal Microbiota Imbalance as a Contributory Link in the Emergence of COVID-19 Associated Mucormycosis. <i>ACS Infectious Diseases</i> , 2021, 7, 2211-2213.	3.8	7
299	Pharyngeal Microbial Signatures Are Predictive of the Risk of Fungal Pneumonia in Hematologic Patients. <i>Infection and Immunity</i> , 2021, 89, e0010521.	2.2	12
300	Know your enemy or find your friend?â€”Induction of IgA at mucosal surfaces. <i>Immunological Reviews</i> , 2021, 303, 83-102.	6.0	25
301	The pig as a medical model for acquired respiratory diseases and dysfunctions: An immunological perspective. <i>Molecular Immunology</i> , 2021, 135, 254-267.	2.2	18
302	Viable and Heat-Killed Probiotic Strains Improve Oral Immunity by Elevating the IgA Concentration in the Oral Mucosa. <i>Current Microbiology</i> , 2021, 78, 3541-3549.	2.2	15
303	Effects of Ocean Acidification, Hypoxia, and Warming on the Gut Microbiota of the Thick Shell Mussel <i>Mytilus coruscus</i> Through 16S rRNA Gene Sequencing. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	7
304	Manipulation of the Upper Respiratory Microbiota to Reduce Incidence and Severity of Upper Respiratory Viral Infections: A Literature Review. <i>Frontiers in Microbiology</i> , 2021, 12, 713703.	3.5	7
305	Benchmarking laboratory processes to characterise low-biomass respiratory microbiota. <i>Scientific Reports</i> , 2021, 11, 17148.	3.3	10
306	Characterization of the Human Oropharyngeal Microbiomes in SARSâ€CoVâ€2 Infection and Recovery Patients. <i>Advanced Science</i> , 2021, 8, e2102785.	11.2	27
307	Roles of the human microbiome in cancer. <i>Hepatobiliary Surgery and Nutrition</i> , 2021, 10, 558-560.	1.5	4
308	The Upper Airway Microbiota, Environmental Exposures, Inflammation, and Disease. <i>Medicina (Lithuania)</i> , 2021, 57, 823.	2.0	14
309	Lung-brain axis. <i>Critical Reviews in Microbiology</i> , 2022, 48, 257-269.	6.1	42
310	IL-17Aâ€producing sinonasal MAIT cells in patients with chronic rhinosinusitis with nasal polyps. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 599-609.e7.	2.9	8
311	Nasopharyngeal microbiome reveals the prevalence of opportunistic pathogens in SARS-CoV-2 infected individuals and their association with host types. <i>Microbes and Infection</i> , 2022, 24, 104880.	1.9	31
312	Spread of antibiotic resistance genes and microbiota in airborne particulate matter, dust, and human airways in the urban hospital. <i>Environment International</i> , 2021, 153, 106501.	10.0	41

#	ARTICLE	IF	CITATIONS
313	Human Microbiota Network: Unveiling Potential Crosstalk between the Different Microbiota Ecosystems and Their Role in Health and Disease. <i>Nutrients</i> , 2021, 13, 2905.	4.1	26
314	Association of obstructive sleep apnea severity with the composition of the upper airway microbiome. <i>Journal of Clinical Sleep Medicine</i> , 2021, , .	2.6	3
315	Beyond dermal exposure: The respiratory tract as a target organ in hazard assessments of cosmetic ingredients. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 124, 104976.	2.7	7
316	Lipopolysaccharide lipid A: A promising molecule for new immunity-based therapies and antibiotics. , 2022, 230, 107970.		20
317	Altered Microbial Composition of Drug-Sensitive and Drug-Resistant TB Patients Compared with Healthy Volunteers. <i>Microorganisms</i> , 2021, 9, 1762.	3.6	3
318	The Role of Respiratory Flora in the Pathogenesis of Chronic Respiratory Diseases. <i>BioMed Research International</i> , 2021, 2021, 1-10.	1.9	16
319	Novel point-of-care biomarker combination tests to differentiate acute bacterial from viral respiratory tract infections to guide antibiotic prescribing: a systematic review. <i>Clinical Microbiology and Infection</i> , 2021, 27, 1096-1108.	6.0	15
320	Airway microbial communities, smoking and asthma in a general population sample. <i>EBioMedicine</i> , 2021, 71, 103538.	6.1	26
321	Dynamics of the Upper Respiratory Tract Microbiota and Its Association with Mortality in COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1379-1390.	5.6	46
322	Prudent Use of Tylosin for Treatment of <i>Mycoplasma gallisepticum</i> Based on Its Clinical Breakpoint and Lung Microbiota Shift. <i>Frontiers in Microbiology</i> , 2021, 12, 712473.	3.5	4
323	Genomic Stability and Genetic Defense Systems in <i>Dolosigranulum pigrum</i> , a Candidate Beneficial Bacterium from the Human Microbiome. <i>MSystems</i> , 2021, 6, e0042521.	3.8	11
324	The nasal mutualist <i>Dolosigranulum pigrum</i> AMBR11 supports homeostasis via multiple mechanisms. <i>IScience</i> , 2021, 24, 102978.	4.1	15
325	Nasopharyngeal microbiome composition associated with <i>Streptococcus pneumoniae</i> colonization suggests a protective role of <i>Corynebacterium</i> in young children. <i>PLoS ONE</i> , 2021, 16, e0257207.	2.5	9
326	Metabolomics, Microbiota, and In Vivo and In Vitro Biomarkers in Type 2 Severe Asthma: A Perspective Review. <i>Metabolites</i> , 2021, 11, 647.	2.9	5
327	Relationship between hemagglutinin stability and influenza virus persistence after exposure to low pH or supraphysiological heating. <i>PLoS Pathogens</i> , 2021, 17, e1009910.	4.7	12
328	Pathogen Metagenomics Reveals Distinct Lung Microbiota Signatures Between Bacteriologically Confirmed and Negative Tuberculosis Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 708827.	3.9	10
331	Upper respiratory tract bacterial-immune interactions during respiratory syncytial virus infection in infancy. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 966-976.	2.9	11
332	Metagenomics Reveals That Proper Placement After Long-Distance Transportation Significantly Affects Calf Nasopharyngeal Microbiota and Is Critical for the Prevention of Respiratory Diseases. <i>Frontiers in Microbiology</i> , 2021, 12, 700704.	3.5	3

#	ARTICLE	IF	CITATIONS
333	A Pulmonary <i>Lactobacillus murinus</i> Strain Induces Th17 and ROR $\gamma$ <sup>3t</sup> + Regulatory T Cells and Reduces Lung Inflammation in Tuberculosis. <i>Journal of Immunology</i> , 2021, 207, 1857-1870.	0.8	17
334	The role of microbiota in respiratory health and diseases, particularly in tuberculosis. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112108.	5.6	22
335	Mucormycosis in COVID-19 pandemic: Risk factors and linkages. <i>Current Research in Microbial Sciences</i> , 2021, 2, 100057.	2.3	32
336	Hospital-Acquired and Ventilator-Associated Pneumonia. , 2022, , 206-219.		0
337	The Respiratory Microbiome in Health and Disease. , 2022, , 177-184.		0
338	Acute Otitis Media and Otitis Media With Effusion. , 2021, , 210-227.		0
339	Mechanisms of infection by SARS-CoV-2, inflammation and potential links with the microbiome. <i>Future Virology</i> , 2021, 16, 43-57.	1.8	10
340	COVID-19 and the Microbiome: The Gut-Lung Connection. , 2022, , 442-458.		4
341	Interaction of the Microbiota With the Host's Gastro-Intestinal, Nervous and Immune System in Terms of Network Organization. , 2021, , 280-280.		1
342	The clinical implications of the microbiome in the development of allergy diseases. <i>Expert Review of Clinical Immunology</i> , 2021, 17, 115-126.	3.0	12
343	The impact of interactions on invasion and colonization resistance in microbial communities. <i>PLoS Computational Biology</i> , 2021, 17, e1008643.	3.2	40
344	The porcine respiratory microbiome: recent insights and future challenges. <i>Animal Microbiome</i> , 2021, 3, 9.	3.8	20
345	Use of antimicrobial mouthwashes (gargling) and nasal sprays by healthcare workers to protect them when treating patients with suspected or confirmed COVID-19 infection. <i>The Cochrane Library</i> , 0, , .	2.8	7
346	Infant respiratory syncytial virus prophylaxis and nasopharyngeal microbiota until 6 years of life: a subanalysis of the MAKI randomised controlled trial. <i>Lancet Respiratory Medicine</i> , the, 2020, 8, 1022-1031.	10.7	19
347	The Human Microbiota, Infectious Disease, and Global Health: Challenges and Opportunities. <i>ACS Infectious Diseases</i> , 2018, 4, 14-26.	3.8	34
348	Host-microbiota interactions in immune-mediated diseases. <i>Nature Reviews Microbiology</i> , 2020, 18, 521-538.	28.6	254
349	Severity of Respiratory Infections With Seasonal Coronavirus Is Associated With Viral and Bacterial Coinfections. <i>Pediatric Infectious Disease Journal</i> , 2021, 40, e36-e39.	2.0	11
350	The infant pharyngeal microbiomes: origin, impact and manipulation. <i>Current Opinion in Infectious Diseases</i> , 2020, 33, 548-555.	3.1	6

#	ARTICLE	IF	CITATIONS
351	In vivo comparison of a laboratory-adapted and clinical-isolate-based recombinant human respiratory syncytial virus. <i>Journal of General Virology</i> , 2020, 101, 1037-1046.	2.9	4
366	Dual and Triple Epithelial Coculture Model Systems with Donor-Derived Microbiota and THP-1 Macrophages To Mimic Host-Microbe Interactions in the Human Sinonasal Cavities. <i>MSphere</i> , 2020, 5, .	2.9	14
367	Integrative study of the upper and lower airway microbiome and transcriptome in asthma. <i>JCI Insight</i> , 2020, 5, .	5.0	44
368	The early-life microbiome: the key to respiratory health?. , 2019, , 67-87.		2
369	The environmental microbiota and asthma. , 2019, , 216-239.		2
370	Age-related differences in the respiratory microbiota of chickens. <i>PLoS ONE</i> , 2017, 12, e0188455.	2.5	37
371	Composition and variation of respiratory microbiota in healthy military personnel. <i>PLoS ONE</i> , 2017, 12, e0188461.	2.5	25
372	Nasopharyngeal colonization with pathobionts is associated with susceptibility to respiratory illnesses in young children. <i>PLoS ONE</i> , 2020, 15, e0243942.	2.5	13
373	Immunomodulation Therapy â€™ Clinical Relevance of Bacterial Lysates OM-85. <i>European Respiratory &amp; Pulmonary Diseases</i> , 2019, 5, 17.	0.2	4
374	Microbiome in Chronic Obstructive Pulmonary Disease: Role of Natural Products Against Microbial Pathogens. <i>Current Medicinal Chemistry</i> , 2020, 27, 2931-2948.	2.4	3
375	The Interplay Between Respiratory Microbiota and Innate Immunity in Flavor E-Cigarette Vaping Induced Lung Dysfunction. <i>Frontiers in Microbiology</i> , 2020, 11, 589501.	3.5	10
376	Comparison of Illumina versus Nanopore 16S rRNA Gene Sequencing of the Human Nasal Microbiota. <i>Genes</i> , 2020, 11, 1105.	2.4	49
377	Defining Community-Acquired Pneumonia as a Public Health Threat: Arguments in Favor from Spanish Investigators. <i>Medical Sciences (Basel, Switzerland)</i> , 2020, 8, 6.	2.9	6
378	Subchronic Oral Cadmium Exposure Exerts both Stimulatory and Suppressive Effects on Pulmonary Inflammation/Immune Reactivity in Rats. <i>Biomedical and Environmental Sciences</i> , 2019, 32, 508-519.	0.2	6
379	Recent Insights into Cellular Crosstalk in Respiratory and Gastrointestinal Mucosal Immune Systems. <i>Immune Network</i> , 2020, 20, e44.	3.6	13
380	HA stabilization promotes replication and transmission of swine H1N1 gamma influenza viruses in ferrets. <i>ELife</i> , 2020, 9, .	6.0	19
381	X-Ä±Ä±Ä±Ä±Ä± GÄ±Ä±Ä±Ä±Ä±s Ä±mgelerini Kullanarak Solunum Yolu HastalÄ±klarÄ±nÄ±n Tespitinde Kuantum Transfer Ä±Ä±renme Modelinin RolÄ±. DÄ±Ä±zce Ä±eniversitesi Bilim Ve Teknoloji Dergisi, 0, , .	0.7	1
382	Rapid Increase of Oral Bacteria in Nasopharyngeal Microbiota After Antibiotic Treatment in Children With Invasive Pneumococcal Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 744727.	3.9	8

#	ARTICLE	IF	CITATIONS
383	Evaluation of the Respiratory Microbiome and the Use of Tracheal Lavage as a Diagnostic Tool in Kemp's Ridley Sea Turtles ( <i>Lepidochelys kempii</i> ). <i>Animals</i> , 2021, 11, 2927.	2.3	0
384	Influenza A H1N1 Induced Disturbance of the Respiratory and Fecal Microbiome of German Landrace Pigs – a Multi-Omics Characterization. <i>Microbiology Spectrum</i> , 2021, 9, e0018221.	3.0	14
385	Clinical Interventions and Budding Applications of Probiotics in the Treatment and Prevention of Viral Infections. <i>Archives of Medical Research</i> , 2022, 53, 122-130.	3.3	3
386	Gut and airway microbiota and their role in COVID-19 infection and pathogenesis: a scoping review. <i>Infection</i> , 2022, 50, 815-847.	4.7	12
387	Chronic Diseases Associated with <i>Malassezia</i> Yeast. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 855.	3.5	15
388	The Lung Microbiome during Health and Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10872.	4.1	72
389	<i>Streptococcus pneumoniae</i> controlled human infection models: Opportunities and challenges. <i>EBioMedicine</i> , 2021, 72, 103620.	6.1	1
390	Emerging cellular and molecular interactions between the lung microbiota and lung diseases. <i>Critical Reviews in Microbiology</i> , 2021, , 1-34.	6.1	1
391	Local mucosal resistance state and microbial colonization of upper airways in children with complicated upper respiratory tract infections. <i>Zdorov'ye Rebenka</i> , 2017, 12, 450-458.	0.2	0
393	THE MICROBIOTA OF LOWER AIRWAYS IN PATIENTS WITH CHRONIC OBSTRUCTIVE LUNG DISEASES. <i>Zhurnal Mikrobiologii Epidemiologii I Immunobiologii</i> , 2018, 95, 53-60.	1.0	0
399	Special Considerations in Preschool Age. , 2020, , 19-46.		1
401	Airway Microbiota in Stroke Patients with Tracheostomy: A Pilot Study. <i>Journal of Korean Medicine for Obesity Research</i> , 2019, 19, 97-105.	0.3	1
402	Diseases of the Respiratory System. , 2020, , 515-701.e42.		1
404	Utilidad de los criterios de Murray para el procesamiento de esputo en pacientes con fibrosis quística. Laboratorio de Infectados de la Universidad de Antioquia (Medellán/Colombia). <i>Infectio</i> , 2020, 24, 229.	0.4	0
405	Differential nasopharyngeal microbiota composition in children according to respiratory health status. <i>Microbial Genomics</i> , 2021, 7, .	2.0	9
406	Dysbiosis and structural disruption of the respiratory microbiota in COVID-19 patients with severe and fatal outcomes. <i>Scientific Reports</i> , 2021, 11, 21297.	3.3	48
407	Clinical practices underlie COVID-19 patient respiratory microbiome composition and its interactions with the host. <i>Nature Communications</i> , 2021, 12, 6243.	12.8	42
408	Biogeography of Bacterial Communities and Specialized Metabolism in Human Aerodigestive Tract Microbiomes. <i>Microbiology Spectrum</i> , 2021, 9, e0166921.	3.0	3

#	ARTICLE	IF	CITATIONS
409	Microbiota and nanoparticles: Description and interactions. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 169, 220-240.	4.3	9
410	Polygonum chinense water decoction lessens acute lung injury in mice induced by influenza virus. Pharmacognosy Magazine, 2020, 16, 600.	0.6	1
411	The role of the bovine respiratory bacterial microbiota in health and disease. Animal Health Research Reviews, 2020, 21, 168-171.	3.1	11
412	The immune system and the microbiota: The two sides of mucosal tolerance. , 2022, , 297-315.		1
413	Slow-Growing Nontuberculous Mycobacteria in Transplant. , 2020, , 1-28.		0
414	Impact of Human Microbiome on Health. , 2020, , 349-373.		3
416	Dynamic Interaction Between Mucosal Immunity and Microbiota Drives Nose and Pharynx Homeostasis of Common Carp (Cyprinus carpio) After SVCV Infection. Frontiers in Immunology, 2021, 12, 769775.	4.8	4
417	Impact of the environment on the microbiome. Jornal De Pediatria, 2022, 98, S32-S37.	2.0	6
418	Predicting the recurrence of chronic rhinosinusitis with nasal polyps using nasal microbiota. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 540-549.	5.7	23
421	Probiotics in the Modern World. Russian Journal of Gastroenterology Hepatology Coloproctology, 2020, 30, 24-35.	1.1	3
425	Role of probiotics in the management of respiratory infections. , 2022, , 383-396.		0
426	Role of probiotics in infections with multidrug-resistant organisms. , 2022, , 265-279.		1
427	Variations in facial conformation are associated with differences in nasal microbiota in healthy dogs. BMC Veterinary Research, 2021, 17, 361.	1.9	5
428	Treatable Traits in COPD – A Proposed Approach. International Journal of COPD, 2021, Volume 16, 3167-3182.	2.3	19
429	Air pollution and endocrine disruptors induce human microbiome imbalances: A systematic review of recent evidence and possible biological mechanisms. Science of the Total Environment, 2022, 816, 151654.	8.0	27
430	Importance of Pre & Probiotic Maintaining General Health: A Report. American Journal of Applied Bio-Technology Research, 2021, 2, 60-62.	0.0	0
431	Exogenous and Endogenous Triggers Differentially Stimulate Pigr Expression and Antibacterial Secretory Immunity in the Murine Respiratory Tract. Lung, 2022, 200, 119-128.	3.3	4
432	Alteration of the respiratory microbiome in COVID-19 patients with different severities. Journal of Genetics and Genomics, 2022, 49, 258-261.	3.9	7



#	ARTICLE	IF	CITATIONS
433	Biogeography of the Respiratory Tract Microbiome in Patients With Malignant Tracheal Tumors. <i>Frontiers in Oncology</i> , 2021, 11, 758917.	2.8	0
434	An Overview of Acute Flaccid Myelitis. <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 21, 774-794.	1.4	4
435	Interleukin-36 Cytokines in Infectious and Non-Infectious Lung Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 754702.	4.8	13
436	The Effect of Radiation and Chemoradiation Therapy on the Head and Neck Mucosal Microbiome: A Review. <i>Frontiers in Oncology</i> , 2021, 11, 784457.	2.8	9
437	The seven constitutive respiratory defense barriers against SARS-CoV-2 infection. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2021, 54, e04612021.	0.9	6
438	Nasopharyngeal Microbiota Profiling of Pregnant Women with SARS-CoV-2 Infection. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
439	Airway Microbiome and Serum Metabolomics Analysis Identify Differential Candidate Biomarkers in Allergic Rhinitis. <i>Frontiers in Immunology</i> , 2021, 12, 771136.	4.8	12
440	<i>Mycoplasma gallisepticum</i> induced inflammation-mediated Th1/Th2 immune imbalance via JAK/STAT signaling pathway in chicken trachea: Involvement of respiratory microbiota. <i>Veterinary Microbiology</i> , 2022, 265, 109330.	1.9	6
441	Indoor Microbiome and The Rising Asthma Prevalence. <i>EMJ Microbiology &amp; Infectious Diseases</i> , 0, , 51-56.	0.0	0
442	Dynamic Upper and Lower Airway Microbiotas in Paediatric Bronchiectasis Exacerbations: A Pilot Study. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 773496.	3.9	4
443	Effects of Different Ammonia Concentrations on Pulmonary Microbial Flora, Lung Tissue Mucosal Morphology, Inflammatory Cytokines, and Neurotransmitters of Broilers. <i>Animals</i> , 2022, 12, 261.	2.3	2
445	Hacking Commensal Bacteria to Consolidate the Adaptive Mucosal Immune Response in the Gut–Lung Axis: Future Possibilities for SARS-CoV-2 Protection. <i>BioTech</i> , 2022, 11, 3.	2.6	4
447	Gut-lung cross talk in COVID-19 pathology and fatality rate. , 2022, , 41-59.		1
448	Bovine respiratory microbiota of feedlot cattle and its association with disease. <i>Veterinary Research</i> , 2022, 53, 4.	3.0	28
449	Severe COVID-19 Is Associated With an Altered Upper Respiratory Tract Microbiome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 781968.	3.9	27
450	How paediatric drug development and use could benefit from OMICs: A c4c expert group white paper. <i>British Journal of Clinical Pharmacology</i> , 2022, , .	2.4	3
451	Is the epithelial barrier hypothesis the key to understanding the higher incidence and excess mortality during COVID-19 pandemic? The case of Northern Italy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1408-1417.	5.7	13
452	Commensal Bacteria in the Cystic Fibrosis Airway Microbiome Reduce <i>P. aeruginosa</i> Induced Inflammation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 824101.	3.9	11



#	ARTICLE	IF	CITATIONS
453	The Microbiome in Acute Lung Injury and ARDS. <i>Respiratory Medicine</i> , 2022, , 261-290.	0.1	1
455	Liu Shen Capsule Alters Airway Microbiota Composition and Metabolite Profiles in Healthy Humans. <i>Frontiers in Pharmacology</i> , 2021, 12, 824180.	3.5	5
456	Characteristics of the sputum microbiome in COPD exacerbations and correlations between clinical indices. <i>Journal of Translational Medicine</i> , 2022, 20, 76.	4.4	16
457	Associations and recovery dynamics of the nasopharyngeal microbiota during influenza-like illness in the aging population. <i>Scientific Reports</i> , 2022, 12, 1915.	3.3	5
458	The Microbiome in Bronchial Biopsies from Smokers and Ex-Smokers with Stable COPD - A Metatranscriptomic Approach. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2022, 19, 81-87.	1.6	1
459	Altered Ecology of the Respiratory Tract Microbiome and Nosocomial Pneumonia. <i>Frontiers in Microbiology</i> , 2021, 12, 709421.	3.5	9
460	Gene Expression Regulation in Airway Pathogens: Importance for Otitis Media. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 826018.	3.9	2
461	Air path of antimicrobial resistance related genes from layer farms: Emission inventory, atmospheric transport, and human exposure. <i>Journal of Hazardous Materials</i> , 2022, 430, 128417.	12.4	14
462	Acinetobactin-Mediated Inhibition of Commensal Bacteria by <i>Acinetobacter baumannii</i> . <i>MSphere</i> , 2022, 7, e0001622.	2.9	8
463	Bacterial Signatures of Paediatric Respiratory Disease: An Individual Participant Data Meta-Analysis. <i>Frontiers in Microbiology</i> , 2021, 12, 711134.	3.5	5
464	Emerging connections between gut microbiome bioenergetics and chronic metabolic diseases. <i>Cell Reports</i> , 2021, 37, 110087.	6.4	31
465	Microbiota, probiotics and respiratory infections: the three musketeers can tip off potential management of COVID-19. <i>American Journal of Translational Research (discontinued)</i> , 2021, 13, 10977-10993.	0.0	1
466	The supraorganism. , 2022, , 1-19.		0
467	Alterations in the Nasopharyngeal Microbiota Associated with Active and Latent Tuberculosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
468	Microbial community signatures for estimation of postmortem time intervals. <i>Advances in Applied Microbiology</i> , 2022, 118, 91-113.	2.4	3
469	Microbiome in Acute Respiratory Distress Syndrome (ARDS). , 2022, , 117-134.		2
473	NCMW: A Python Package to Analyze Metabolic Interactions in the Nasal Microbiome. <i>Frontiers in Bioinformatics</i> , 2022, 2, .	2.1	8
475	<i>Staphylococcus epidermidis</i> Controls Opportunistic Pathogens in the Nose, Could It Help to Regulate SARS-CoV-2 (COVID-19) Infection?. <i>Life</i> , 2022, 12, 341.	2.4	5

#	ARTICLE	IF	CITATIONS
477	Viral Infection and Respiratory Exacerbation in Children: Results from a Local German Pediatric Exacerbation Cohort. <i>Viruses</i> , 2022, 14, 491.	3.3	4
478	Bovine Animal Model for Studying the Maternal Microbiome, in utero Microbial Colonization and Their Role in Offspring Development and Fetal Programming. <i>Frontiers in Microbiology</i> , 2022, 13, 854453.	3.5	13
479	Whole-Genome Shotgun Sequencing for Nasopharyngeal Microbiome in Pre-school Children With Recurrent Wheezing. <i>Frontiers in Microbiology</i> , 2021, 12, 792556.	3.5	3
481	Olmesartan Attenuates Single-Lung Ventilation Induced Lung Injury via Regulating Pulmonary Microbiota. <i>Frontiers in Pharmacology</i> , 2022, 13, 822615.	3.5	3
482	Age-Related Changes in the Nasopharyngeal Microbiome Are Associated With Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection and Symptoms Among Children, Adolescents, and Young Adults. <i>Clinical Infectious Diseases</i> , 2022, 75, e928-e937.	5.8	22
483	Metagenomic Assessment of the Pathogenic Risk of Microorganisms in Sputum of Postoperative Patients With Pulmonary Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 855839.	3.9	5
485	The Airway Microbiome-IL-17 Axis: a Critical Regulator of Chronic Inflammatory Disease. <i>Clinical Reviews in Allergy and Immunology</i> , 2023, 64, 161-178.	6.5	9
486	Environmental and Human Microbiome for Health. <i>Life</i> , 2022, 12, 456.	2.4	15
487	Leaky Gum: The Revisited Origin of Systemic Diseases. <i>Cells</i> , 2022, 11, 1079.	4.1	8
489	<i>Streptococcus</i> strain C17 <sup>T</sup> as a potential probiotic candidate to modulate oral health. <i>Letters in Applied Microbiology</i> , 2022, , .	2.2	1
490	Unraveling the role of the microbiome in chronic rhinosinusitis. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1513-1521.	2.9	20
491	A High-Risk Profile for Invasive Fungal Infections Is Associated with Altered Nasal Microbiota and Niche Determinants. <i>Infection and Immunity</i> , 2022, 90, e0004822.	2.2	6
492	Mapping bacterial diversity and metabolic functionality of the human respiratory tract microbiome. <i>Journal of Oral Microbiology</i> , 2022, 14, 2051336.	2.7	6
493	Microbial Community Composition in Explanted Cystic Fibrosis and Control Donor Lungs. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 764585.	3.9	1
494	Teleost swim bladder, an ancient air-filled organ that elicits mucosal immune responses. <i>Cell Discovery</i> , 2022, 8, 31.	6.7	17
495	Microbiome Modulation as a Novel Strategy to Treat and Prevent Respiratory Infections. <i>Antibiotics</i> , 2022, 11, 474.	3.7	15
496	Exposure to urban greenspace and pathways to respiratory health: An exploratory systematic review. <i>Science of the Total Environment</i> , 2022, 829, 154447.	8.0	27
497	SARS-CoV-2 infection reduces human nasopharyngeal commensal microbiome with inclusion of pathobionts. <i>Scientific Reports</i> , 2021, 11, 24042.	3.3	32

#	ARTICLE	IF	CITATIONS
498	Respiratory Tract Microecology and Bronchopulmonary Dysplasia in Preterm Infants. <i>Frontiers in Pediatrics</i> , 2021, 9, 762545.	1.9	3
499	Xuanbai Chengqi Decoction Ameliorates Pulmonary Inflammation via Reshaping Gut Microbiota and Rectifying Th17/Treg Imbalance in a Murine Model of Chronic Obstructive Pulmonary Disease. <i>International Journal of COPD</i> , 2021, Volume 16, 3317-3335.	2.3	26
500	Change in the microbiota of bronchial tree in children with bronchial asthma from past to our days. <i>Allergologi&amp; Immunologi&amp; V Pediatrii</i> , 2021, , 39-41.	0.1	0
501	Lung Microbiome in Critically Ill Patients. <i>Life</i> , 2022, 12, 7.	2.4	9
502	The role of laryngopharyngeal reflux in the development of nasopharyngeal manifestations of GERD in preschoolers. <i>Journal of Education, Health and Sport</i> , 2022, 12, 127-139.	0.1	0
503	Age-specific associations of early daycare, older siblings, severe airway infection, and preterm birth with subsequent atopic diseases. <i>Pediatric Allergy and Immunology</i> , 2022, 33, e13771.	2.6	6
504	Deciphering mechanisms and implications of bacterial translocation in human health and disease. <i>Current Opinion in Microbiology</i> , 2022, 67, 102147.	5.1	16
520	Management of pneumonia in critically ill patients. <i>BMJ, The</i> , 2021, 375, e065871.	6.0	27
521	A Pandemic Lesson for Global Lung Diseases: Exacerbations Are Preventable. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1271-1280.	5.6	19
522	Evaluation of respiratory tract bacterial co-infections in SARS-CoV-2 patients with mild or asymptomatic infection in Lagos, Nigeria. <i>Bulletin of the National Research Centre</i> , 2022, 46, 115.	1.8	6
523	An Overview on the Upper and Lower Airway Microbiome in Cystic Fibrosis Patients.. <i>Tanaffos</i> , 2021, 20, 86-98.	0.5	0
524	Differences of the Nasal Microbiome and Mycobiome by Clinical Characteristics of COPD Patients. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2022, , 309-324.	0.7	3
525	Aspiration pneumonia. <i>Revista Espanola De Quimioterapia</i> , 2022, 35, 73-77.	1.3	16
526	Alterations in microbiota of patients with COVID-19: potential mechanisms and therapeutic interventions. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 143.	17.1	83
527	Litter Management Strategies and Their Impact on the Environmental and Respiratory Microbiome Might Influence Health in Poultry. <i>Microorganisms</i> , 2022, 10, 878.	3.6	1
528	Performance of <sc>PCR</sc>-based syndromic testing compared to bacterial culture in patients with suspected pneumonia applying microscopy for quality assessment. <i>Apmis</i> , 2022, 130, 417-426.	2.0	4
530	Pediatric neuropsychiatric syndromes associated with infection and microbiome alterations: clinical findings, possible role of the mucosal epithelium, and strategies for the development of new animal models. <i>Expert Opinion on Drug Discovery</i> , 2022, 17, 717-731.	5.0	3
531	Association of Gut Microbiota with Inflammatory Bowel Disease and COVID-19 Severity: A Possible Outcome of the Altered Immune Response. <i>Current Microbiology</i> , 2022, 79, 184.	2.2	8

#	ARTICLE	IF	CITATIONS
532	Airway Administration of Bacterial Lysate OM-85 Protects Mice Against Respiratory Syncytial Virus Infection. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	11
533	The nasal microbiome of predicting bronchopulmonary dysplasia in preterm infants. <i>Scientific Reports</i> , 2022, 12, 7727.	3.3	5
534	The convoluted process of diagnosing pulmonary mycosis caused by <i>Exophiala dermatitidis</i> : a case report. <i>BMC Infectious Diseases</i> , 2022, 22, 433.	2.9	4
535	Evidence for the intermediate disturbance hypothesis and exponential decay in replacement in <i>Streptococcus pneumoniae</i> following use of conjugate vaccines. <i>Scientific Reports</i> , 2022, 12, 7510.	3.3	1
536	Oral dysbiosis and its linkage with SARS-CoV-2 infection. <i>Microbiological Research</i> , 2022, 261, 127055.	5.3	21
537	Enhanced DNA and RNA pathogen detection via metagenomic sequencing in patients with pneumonia. <i>Journal of Translational Medicine</i> , 2022, 20, 195.	4.4	14
538	Relationship of Oropharyngeal Colonization Microorganisms to Clinical Outcomes within 100 Days after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Transplantation and Cellular Therapy</i> , 2022, 28, 496.e1-496.e7.	1.2	5
539	Insights into the Profile of the Human Expiratory Microbiota and Its Associations with Indoor Microbiotas. <i>Environmental Science &amp; Technology</i> , 2022, 56, 6282-6293.	10.0	10
541	Lower airway microbiome of children with recurrent wheezing: a clinical cohort study. <i>Translational Pediatrics</i> , 2022, 11, 696-705.	1.2	2
542	Microbiota in Tumors: From Understanding to Application. <i>Advanced Science</i> , 2022, 9, .	11.2	26
543	Antibiotic resistance in chronic respiratory diseases: from susceptibility testing to the resistome. <i>European Respiratory Review</i> , 2022, 31, 210259.	7.1	10
544	Cigarette Smoke Extract Disturbs Mitochondria-Regulated Airway Epithelial Cell Responses to <i>Pneumococci</i> . <i>Cells</i> , 2022, 11, 1771.	4.1	3
545	Nutritional Interactions between Bacterial Species Colonising the Human Nasal Cavity: Current Knowledge and Future Prospects. <i>Metabolites</i> , 2022, 12, 489.	2.9	6
546	Peripheral Blood Microbiome Analysis via Noninvasive Prenatal Testing Reveals the Complexity of Circulating Microbial Cell-Free DNA. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	6
547	Enhanced Metagenomic Deep Learning for Disease Prediction and Reproducible Signature Identification by Restructured Microbiome 2D-Representations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
548	Beta-Hydroxybutyrate: A Dual Function Molecular and Immunological Barrier Function Regulator. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	18
549	Hallmarks of Severe COVID-19 Pathogenesis: A Pas de Deux Between Viral and Host Factors. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	10
550	Mechanism-driven strategies for prevention of rheumatoid arthritis. <i>Rheumatology &amp; Autoimmunity</i> , 2022, 2, 109-119.	0.8	9

#	ARTICLE	IF	CITATIONS
551	Promising Immunomodulatory Effects of Bacterial Lysates in Allergic Diseases. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	14
552	Nano-targeted drug delivery approaches for biofilm-associated infections. , 2022, , 97-138.		0
553	The impact of infection with COVID-19 on the respiratory microbiome: A narrative review. <i>Virulence</i> , 2022, 13, 1076-1087.	4.4	5
554	Understanding the Correlation of Diet, Immunity, and Probiotics: A Credible Implication in SARS-CoV2 Infections. <i>Biosciences, Biotechnology Research Asia</i> , 2022, 19, 373-385.	0.5	0
555	Pragmatic Expectancy on Microbiota and Non-Small Cell Lung Cancer: A Narrative Review. <i>Cancers</i> , 2022, 14, 3131.	3.7	2
556	Airway Bacterial Colonization, Biofilms and Blooms, and Acute Respiratory Infection. <i>Pediatric Critical Care Medicine</i> , 0, Publish Ahead of Print, .	0.5	4
557	Comparison of the respiratory tract microbiome in hospitalized COVID-19 patients with different disease severity. <i>Journal of Medical Virology</i> , 2022, 94, 5284-5293.	5.0	15
558	Impact of COVID-19 Lockdown on the Nasopharyngeal Microbiota of Children and Adults Self-Confined at Home. <i>Viruses</i> , 2022, 14, 1521.	3.3	10
559	Targeted strategies are needed to prevent childhood asthma. <i>European Respiratory Journal</i> , 2022, 60, 2200378.	6.7	1
561	Recapitulating infection, thermal sensitivity and antiviral treatment of seasonal coronaviruses in human airway organoids. <i>EBioMedicine</i> , 2022, 81, 104132.	6.1	8
562	Nasal Microbiota, Olfactory Health, Neurological Disorders and Aging—A Review. <i>Microorganisms</i> , 2022, 10, 1405.	3.6	14
563	Global Meta-analysis of Airborne Bacterial Communities and Associations with Anthropogenic Activities. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9891-9902.	10.0	18
564	An Overview of Adenoid Microbiome Using 16S rRNA Gene Sequencing-Based Metagenomic Analysis. <i>Medicina (Lithuania)</i> , 2022, 58, 920.	2.0	1
565	Dynamic Alterations in the Respiratory Tract Microbiota of Patients with COVID-19 and its Association with Microbiota in the Gut. <i>Advanced Science</i> , 0, , 2200956.	11.2	9
566	Mucosal vaccine delivery: A focus on the breakthrough of specific barriers. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 3456-3474.	12.0	24
567	Nasopharyngeal Bacterial Microbiota Composition and SARS-CoV-2 IgG Antibody Maintenance in Asymptomatic/Paucisymptomatic Subjects. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	3
568	High-Risk Cattle Management and Stocker Calf Health. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2022, 38, 229-243.	1.2	0
569	Glycosaminoglycan, Antimicrobial Defence Molecule and Cytokine Appearance in Tracheal Hyaline Cartilage of Healthy Humans. <i>Journal of Functional Morphology and Kinesiology</i> , 2022, 7, 55.	2.4	0

#	ARTICLE	IF	CITATIONS
570	Alterations in the nasopharyngeal microbiota associated with active and latent tuberculosis. <i>Tuberculosis</i> , 2022, 136, 102231.	1.9	7
571	Alveolar macrophages: Achillesâ€™ heel of SARS-CoV-2 infection. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	17.1	15
572	Spatial meta-transcriptomics reveal associations of intratumor bacteria burden with lung cancer cells showing a distinct oncogenic signature. , 2022, 10, e004698.		18
573	Targeting ferroptosis as a vulnerability in pulmonary diseases. <i>Cell Death and Disease</i> , 2022, 13, .	6.3	31
574	Across-Shift Changes in Viable Nasal Bacteria among Waste-Incineration Plant Workersâ€™A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8984.	2.6	1
575	Neuroinflammation in neurodegeneration via microbial infections. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	15
576	Guideline for the analysis of the microbial communities of the human upper airways. <i>Journal of Oral Microbiology</i> , 2022, 14, .	2.7	3
578	Microbiota profiles in pre-school children with respiratory infections: Modifications induced by the oral bacterial lysate OM-85. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	5
579	Lower airway microbiota and decreasing lung function in young Brazilian cystic fibrosis patients with pulmonary <i>Staphylococcus</i> and <i>Pseudomonas</i> infection. <i>PLoS ONE</i> , 2022, 17, e0273453.	2.5	1
580	The Metabolic Adaptation in Response to Nitrate Is Critical for <i>Actinobacillus pleuropneumoniae</i> Growth and Pathogenicity under the Regulation of NarQ/P. <i>Infection and Immunity</i> , 2022, 90, .	2.2	1
581	Mucosal immune cell populations and the bacteriome of adenoids and tonsils from people living with HIV on suppressive antiretroviral therapy. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	0
582	Biofilm aggregates and the host airway-microbial interface. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	12
583	The respiratory microbiota alpha-diversity in chronic lung diseases: first systematic review and meta-analysis. <i>Respiratory Research</i> , 2022, 23, .	3.6	18
584	Microbiome alterations associated with phthalate exposures in a US-based sample of Latino workers. <i>Environmental Research</i> , 2022, 214, 114126.	7.5	3
585	Receptor for advanced glycation end-products (RAGE) mediates phagocytosis in nonprofessional phagocytes. <i>Communications Biology</i> , 2022, 5, .	4.4	3
586	Animal farms are hot spots for airborne antimicrobial resistance. <i>Science of the Total Environment</i> , 2022, 851, 158050.	8.0	13
587	âœ•of regulating the uterine microecology: Endometrial microbiota, immunity and endometrium. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	8
588	How Metagenomics Has Transformed Our Understanding of Bacteriophages in Microbiome Research. <i>Microorganisms</i> , 2022, 10, 1671.	3.6	10

#	ARTICLE	IF	CITATIONS
589	Nasopharyngeal microbiota profiling of pregnant women with SARS-CoV-2 infection. Scientific Reports, 2022, 12, .	3.3	11
590	Recurrent Acute Otitis Media Environmental Risk Factors: A Literature Review from the Microbiota Point of View. Applied Microbiology, 2022, 2, 594-613.	1.6	2
591	Culturomics, a potential approach paving the way toward bacteriotherapy. Current Opinion in Microbiology, 2022, 69, 102194.	5.1	9
592	Nitric oxide inhibits alginate biosynthesis in <i>Pseudomonas aeruginosa</i> and increases its sensitivity to tobramycin by downregulating <i>algU</i> gene expression. Nitric Oxide - Biology and Chemistry, 2022, 128, 50-58.	2.7	3
593	Microbiome alterations from volatile organic compounds (VOC) exposures among workers in salons primarily serving women of color. Environmental Research, 2022, 214, 114125.	7.5	3
594	Respiratory dysbiosis in cats with spontaneous allergic asthma. Frontiers in Veterinary Science, 0, 9, .	2.2	6
595	Association of upper airway bacterial microbiota and asthma: systematic review. Asia Pacific Allergy, 2022, 12, e32.	1.3	14
596	Electrospun-Based Membranes as a Key Tool to Prevent Respiratory Infections. Polymers, 2022, 14, 3787.	4.5	2
597	Microbiome-based therapeutics: Opportunity and challenges. Progress in Molecular Biology and Translational Science, 2022, , 229-262.	1.7	2
598	An introduction to human microbiome. Progress in Molecular Biology and Translational Science, 2022, , .	1.7	0
599	Respiratory tract microbiome and pneumonia. Progress in Molecular Biology and Translational Science, 2022, , 97-124.	1.7	2
600	Early Depressing Effect on Abundancy and Diversity of Sputum Microbiome Followed by Recovery During Anti-Tuberculosis Treatment: A Multi-Regimen Analysis of the High-Rifampicin II- and Multi-Arm-Multi-Stage Clinical Trials. SSRN Electronic Journal, 0, , .	0.4	0
601	Differential Oral Microbial Input Determines Two Microbiota Pneumonia Types Associated with Health Status. Advanced Science, 2022, 9, .	11.2	8
602	Geography, niches, and transportation influence bovine respiratory microbiome and health. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	5
604	Lung microbiome in children with hematological malignancies and lower respiratory tract infections. Frontiers in Oncology, 0, 12, .	2.8	1
605	Contribution of Symptomatic, Herbal Treatment Options to Antibiotic Stewardship and Microbiotic Health. Antibiotics, 2022, 11, 1331.	3.7	3
606	Impact of Raised without Antibiotics Measures on Antimicrobial Resistance and Prevalence of Pathogens in Sow Barns. Antibiotics, 2022, 11, 1221.	3.7	2
608	Impact of Elexacaftor/Tezacaftor/Ivacaftor Therapy on the Cystic Fibrosis Airway Microbial Metagenome. Microbiology Spectrum, 2022, 10, .	3.0	14



#	ARTICLE	IF	CITATIONS
609	Multi-omic factors associated with future wheezing in infants. <i>Pediatric Research</i> , 0, , .	2.3	3
610	Application of Metagenomic Next-Generation Sequencing (mNGS) Using Bronchoalveolar Lavage Fluid (BALF) in Diagnosing Pneumonia of Children. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	16
611	Roles for Pathogen Interference in Influenza Vaccination, with Implications to Vaccine Effectiveness (VE) and Attribution of Influenza Deaths. <i>Infectious Disease Reports</i> , 2022, 14, 710-758.	3.1	8
612	The Microbial Etiology of Community-Acquired Pneumonia in Adults: from Classical Bacteriology to Host Transcriptional Signatures. <i>Clinical Microbiology Reviews</i> , 2022, 35, .	13.6	22
613	<i>Streptococcus pyogenes</i> can support or inhibit growth of <i>Haemophilus influenzae</i> by supplying or restricting extracellular NAD <sup>+</sup> . <i>PLoS ONE</i> , 2022, 17, e0270697.	2.5	1
614	Oropharyngeal microbiome profiled at admission is predictive of the need for respiratory support among COVID-19 patients. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	8
615	Classification of salivary bacteriome in asymptomatic COVID-19 cases based on long-read nanopore sequencing. <i>Experimental Biology and Medicine</i> , 2022, 247, 1937-1946.	2.4	8
616	From the nose to the lungs: the intricate journey of airborne pathogens amid commensal bacteria. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C1036-C1043.	4.6	2
617	Microbiome epidemiology and association studies in human health. <i>Nature Reviews Genetics</i> , 2023, 24, 109-124.	16.3	17
618	The Comparison of Metagenomic Next-Generation Sequencing with Conventional Microbiological Tests for Identification of Pathogens and Antibiotic Resistance Genes in Infectious Diseases. <i>Infection and Drug Resistance</i> , 0, Volume 15, 6115-6128.	2.7	8
619	Nasal Microbiome and Its Interaction with the Host in Childhood Asthma. <i>Cells</i> , 2022, 11, 3155.	4.1	3
620	Towards the human nasal microbiome: Simulating <i>D. pigrum</i> and <i>S. aureus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	5
621	<i>Streptococcus salivarius</i> 24SMBc Genome Analysis Reveals New Biosynthetic Gene Clusters Involved in Antimicrobial Effects on <i>Streptococcus pneumoniae</i> and <i>Streptococcus pyogenes</i> . <i>Microorganisms</i> , 2022, 10, 2042.	3.6	1
622	Pathobiology and dysbiosis of the respiratory and intestinal microbiota in 14 months old Golden Syrian hamsters infected with SARS-CoV-2. <i>PLoS Pathogens</i> , 2022, 18, e1010734.	4.7	3
623	Multi-omics association analysis reveals interactions between the oropharyngeal microbiome and the metabolome in pediatric patients with influenza A virus pneumonia. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	2
624	Nasal route for antibiotics delivery: Advances, challenges and future opportunities applying the quality by design concepts. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 77, 103887.	3.0	4
625	Analysis by metagenomic next-generation sequencing of the lung virome during mechanical ventilation. <i>F1000Research</i> , 0, 11, 1246.	1.6	0
626	Comparative analysis of the lung microbiota in patients with respiratory infections, tuberculosis, and lung cancer: A preliminary study. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	7



#	ARTICLE	IF	CITATIONS
627	Airway microbiome and Asthma. , 2023, , 47-62.		0
628	Metagenomic Analysis of Respiratory RNA Virome of Children with and without Severe Acute Respiratory Infection from the Free State, South Africa during COVID-19 Pandemic Reveals Higher Diversity and Abundance in Summer Compared with Winter Period. Viruses, 2022, 14, 2516.	3.3	1
629	The Microbiota Is Not an Organ: Introducing the Muco-Microbiotic Layer as a Novel Morphofunctional Structure. , 2022, 1, 186-203.		3
630	Limited Impact of SARS-CoV-2 on the Human Naso-Oropharyngeal Microbiota in Hospitalized Patients. Microbiology Spectrum, 0, , .	3.0	3
631	Respiratory Microbiome Profile of Pediatric Pulmonary Hypertension Patients Associated With Congenital Heart Disease. Hypertension, 2023, 80, 214-226.	2.7	1
632	Specific associations between fungi and bacteria in broncho-alveolar aspirates from mechanically ventilated intensive care unit patients. Virulence, 2022, 13, 2022-2031.	4.4	1
633	Wochenende – modular and flexible alignment-based shotgun metagenome analysis. BMC Genomics, 2022, 23, .	2.8	3
634	Research status and prospects of indoor airborne microbiome based on respiratory health effects. Chinese Science Bulletin, 2023, 68, 656-670.	0.7	1
635	Respiratory microorganisms in acute pharyngitis patients: Identification, antibiotic prescription patterns and appropriateness, and antibiotic resistance in private primary care, central Malaysia. PLoS ONE, 2022, 17, e0277802.	2.5	1
636	They shall not grow mold: Soldiers of innate and adaptive immunity to fungi. Seminars in Immunology, 2023, 65, 101673.	5.6	0
637	Glucose levels affect MgaSpn regulation on the virulence and adaptability of Streptococcus pneumoniae. Microbial Pathogenesis, 2023, 174, 105896.	2.9	1
638	Asymptomatic Viral Presence in Early Life Precedes Recurrence of Respiratory Tract Infections. Pediatric Infectious Disease Journal, 2023, 42, 59-65.	2.0	4
641	Microbial Communities in the Lungs of Bats in China. Zoonoses, 2022, 2, .	1.1	0
642	Can bacterial lysates be useful in prevention of viral respiratory infections in childhood? The results of experimental OM-85 studies. Frontiers in Pediatrics, 0, 10, .	1.9	4
643	Human airway and lung microbiome at the crossroad of health and disease (Review). Experimental and Therapeutic Medicine, 2022, 25, .	1.8	2
644	Understanding the Functional Role of the Microbiome and Metabolome in Asthma. Current Allergy and Asthma Reports, 2023, 23, 67-76.	5.3	4
645	The Human Respiratory Microbiome: Current Understandings and Future Directions. American Journal of Respiratory Cell and Molecular Biology, 2023, 68, 245-255.	2.9	7
646	High detection rate of viral pathogens in nasal discharge in children aged 0 till 5 years. Journal of Medical Virology, 2023, 95, .	5.0	1

#	ARTICLE	IF	CITATIONS
647	Airway microbiota and immune mediator relationships differ in obesity and asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2023, 151, 931-942.	2.9	3
648	Human matters in asthma: Considering the microbiome in pulmonary health. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	3
649	The Upper Respiratory Tract Microbiome Network Impacted by SARS-CoV-2. <i>Microbial Ecology</i> , 2023, 86, 1428-1437.	2.8	3
650	Fungal hyphae regulate bacterial diversity and plasmid-mediated functional novelty during range expansion. <i>Current Biology</i> , 2022, 32, 5285-5294.e4.	3.9	9
651	The application of targeted nanopore sequencing for the identification of pathogens and resistance genes in lower respiratory tract infections. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
652	Development of a live biotherapeutic throat spray with lactobacilli targeting respiratory viral infections. <i>Microbial Biotechnology</i> , 2023, 16, 99-115.	4.2	12
653	Risk Factors of Severe COVID-19: A Review of Host, Viral and Environmental Factors. <i>Viruses</i> , 2023, 15, 175.	3.3	33
654	The nasopharyngeal microbiome in COVID-19. <i>Emerging Microbes and Infections</i> , 2023, 12, .	6.5	14
655	Airway microbiome-immune crosstalk in chronic obstructive pulmonary disease. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	7
656	Topography of the respiratory, oral, and guttural pouch bacterial and fungal microbiotas in horses. <i>Journal of Veterinary Internal Medicine</i> , 2023, 37, 349-360.	1.6	2
657	Higher radiation doses after partial laryngectomy may raise the incidence of pneumonia: A retrospective cohort study. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	0
658	Microflora of the lungs in health and disease, the impact of vaccination. <i>Pulmonologiya</i> , 0, , .	0.8	0
660	Potential role of healthy microbiome in metabolic syndrome and immune competence. , 2023, , 805-814.		0
661	Bacterial topography of the upper and lower respiratory tract in pigs. <i>Animal Microbiome</i> , 2023, 5, .	3.8	7
663	Beer and Microbiota: Pathways for a Positive and Healthy Interaction. <i>Nutrients</i> , 2023, 15, 844.	4.1	4
664	Analysis of the nasopharyngeal microbiome and respiratory pathogens in COVID-19 patients from Saudi Arabia. <i>Journal of Infection and Public Health</i> , 2023, 16, 680-688.	4.1	2
665	Understanding human health through metatranscriptomics. <i>Trends in Molecular Medicine</i> , 2023, 29, 376-389.	6.7	17
666	Rapid detection of pulmonary nocardiosis by metagenomic next generation sequencing. <i>Diagnostic Microbiology and Infectious Disease</i> , 2023, 106, 115928.	1.8	0

#	ARTICLE	IF	CITATIONS
667	Crosstalk between the lung microbiome and lung cancer. <i>Microbial Pathogenesis</i> , 2023, 178, 106062.	2.9	4
668	Characterization of the Microbiome and Host's Metabolites of the Lower Respiratory Tract During Acute Community-Acquired Pneumonia Identifies Potential Novel Markers. <i>Infection and Drug Resistance</i> , 0, Volume 16, 581-594.	2.7	2
669	Indoor Microbiome and The Rising Asthma Prevalence. <i>EMJ Microbiology &amp; Infectious Diseases</i> , 0, , 51-56.	0.0	0
670	<i>Bordetella bronchiseptica</i> -Mediated Interference Prevents Influenza A Virus Replication in the Murine Nasal Cavity. <i>Microbiology Spectrum</i> , 2023, 11, .	3.0	2
672	The possible role of particulate matter on the respiratory microbiome: evidence from in vivo to clinical studies. <i>Archives of Toxicology</i> , 2023, 97, 913-930.	4.2	2
673	A pilot study exploring the association of bronchial bacterial microbiota and recurrent wheezing in infants with atopy. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	3.9	0
674	Molecular Accounting and Profiling of Human Respiratory Microbial Communities: Toward Precision Medicine by Targeting the Respiratory Microbiome for Disease Diagnosis and Treatment. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4086.	4.1	11
675	MAIT cells and the microbiome. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	5
676	Upper respiratory tract microbiota dynamics following COVID-19 in adults. <i>Microbial Genomics</i> , 2023, 9, .	2.0	1
677	The effect of real-ambient PM2.5 exposure on the lung and gut microbiomes and the regulation of Nrf2. <i>Ecotoxicology and Environmental Safety</i> , 2023, 254, 114702.	6.0	6
678	Assessment of microbiota in the gut and upper respiratory tract associated with SARS-CoV-2 infection. <i>Microbiome</i> , 2023, 11, .	11.1	8
679	Nasal Bacteriomes of Patients with Asthma and Allergic Rhinitis Show Unique Composition, Structure, Function and Interactions. <i>Microorganisms</i> , 2023, 11, 683.	3.6	6
680	Characterization of the Lower Airways and Oral Microbiota in Healthy Young Persons in the Community. <i>Biomedicines</i> , 2023, 11, 841.	3.2	3
681	Niche-Based Microbial Community Assemblage in Urban Transit Systems and the Influence of City Characteristics. <i>Microbiology Spectrum</i> , 2023, 11, .	3.0	0
682	Characterization of dysbiosis of the conjunctival microbiome and nasal microbiome associated with allergic rhinoconjunctivitis and allergic rhinitis. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	3
684	Realising respiratory microbiomic meta-analyses: time for a standardised framework. <i>Microbiome</i> , 2023, 11, .	11.1	5
685	Exploration of lung mycobiome in the patients with non-small-cell lung cancer. <i>BMC Microbiology</i> , 2023, 23, .	3.3	4
686	Febrile Children with Pneumonia Have Higher Nasopharyngeal Bacterial Load Than Other Children with Fever. <i>Pathogens</i> , 2023, 12, 517.	2.8	1

#	ARTICLE	IF	CITATIONS
687	A Single Intranasal Dose of Bacterial Therapeutics to Calves Confers Longitudinal Modulation of the Nasopharyngeal Microbiota: a Pilot Study. <i>MSystems</i> , 2023, 8, .	3.8	9
688	Repurposing mucosal delivery devices for live attenuated tuberculosis vaccines. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	0
689	Immunomodulatory Properties of Vitamin D in the Intestinal and Respiratory Systems. <i>Nutrients</i> , 2023, 15, 1696.	4.1	8
690	Defining the Microbiome Components (Bacteria, Viruses, Fungi) and Microbiome Geodiversity. <i>Surgical Infections</i> , 2023, 24, 208-212.	1.4	0
691	Lung Microbiome in Tuberculosis. <i>Integrated Science</i> , 2023, , 969-975.	0.2	0
692	Human Male Genital Tract Microbiota. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6939.	4.1	10
693	Association of lung-intestinal microecology and lung cancer therapy. <i>Chinese Medicine</i> , 2023, 18, .	4.0	5
694	Cancer and Immunology – The Homeostasis Dance. , 2023, , 1-38.		0
695	Subgingival microbial diversity and respiratory decline: A cross-sectional study. <i>Journal of Clinical Periodontology</i> , 2023, 50, 921-931.	4.9	2
696	Assessment of the nasal microbiota in dogs with fungal rhinitis before and after cure and in dogs with chronic idiopathic rhinitis. <i>BMC Microbiology</i> , 2023, 23, .	3.3	0
697	Commensal bacteria of the lung microbiota synergistically inhibit inflammation in a three-dimensional epithelial cell model. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	5
698	Dysbiosis of oropharyngeal microbiome and antibiotic resistance in hospitalized COVID-19 patients. <i>Journal of Medical Virology</i> , 2023, 95, .	5.0	2
699	Azithromycin Exposure Induces Transient Microbial Composition Shifts and Decreases the Airway Microbiota Resilience from Outdoor PM <sub>2.5</sub> Stress in Healthy Adults: a Randomized, Double-Blind, Placebo-Controlled Trial. <i>Microbiology Spectrum</i> , 2023, 11, .	3.0	0
701	A Pilot Cross-Sectional Study of Immunological and Microbiome Profiling Reveals Distinct Inflammatory Profiles for Smokers, Electronic Cigarette Users, and Never-Smokers. <i>Microorganisms</i> , 2023, 11, 1405.	3.6	1
702	Microbial communities of the upper respiratory tract in mild and severe COVID-19 patients: a possible link with the disease course. , 0, 2, .		2
703	Pulmonary flora-modified diesel particulate matter induced lung injury via cGAS signaling pathway. <i>Science of the Total Environment</i> , 2023, 892, 164490.	8.0	0
704	Succession and determinants of the early life nasopharyngeal microbiota in a South African birth cohort. <i>Microbiome</i> , 2023, 11, .	11.1	0
705	The Human Microbiome and Respiratory Diseases. , 2023, , 255-271.		0

#	ARTICLE	IF	CITATIONS
706	Altered Respiratory Microbiomes, Plasma Metabolites, and Immune Responses in Influenza A Virus and Methicillin-Resistant Staphylococcus aureus Coinfection. Microbiology Spectrum, 2023, 11, .	3.0	2
707	CRISPR arrays as high-resolution markers to track microbial transmission during influenza infection. Microbiome, 2023, 11, .	11.1	2
708	Association between short-term exposure to PM2.5 and nasal microbiota dysbiosis, inflammation and oxidative stress: A panel study of healthy young adults. Ecotoxicology and Environmental Safety, 2023, 262, 115156.	6.0	3
709	Specific nasopharyngeal Corynebacterium strains serve as gatekeepers against SARS-CoV-2 infection. GeroScience, 0, , .	4.6	0
710	Lung Microbiota: Its Relationship to Respiratory System Diseases and Approaches for Lung-Targeted Probiotic Bacteria Delivery. Molecular Pharmaceutics, 2023, 20, 3320-3337.	4.6	11
711	The airway microbiome mediates the interaction between environmental exposure and respiratory health in humans. Nature Medicine, 2023, 29, 1750-1759.	30.7	10
712	Microbiota Profile of the Nasal Cavity According to Lifestyles in Healthy Adults in Santiago, Chile. Microorganisms, 2023, 11, 1635.	3.6	1
713	Reduced microbial diversity of the nasopharyngeal microbiome in household contacts with latent tuberculosis infection. Scientific Reports, 2023, 13, .	3.3	2
714	Ecology of the respiratory tract microbiome. Trends in Microbiology, 2023, 31, 972-984.	7.7	3
715	Dry Powder Inhalation for Lung Delivery in Cystic Fibrosis. Pharmaceutics, 2023, 15, 1488.	4.5	1
716	Establishment of sheep nasal mucosa explant model and its application in antiviral research. Frontiers in Microbiology, 0, 14, .	3.5	1
717	Advanced Organotypic In Vitro Model Systems for Host-Microbial Coculture. Biochip Journal, 2023, 17, 147-173.	4.9	2
718	Interaction Between SARS-CoV-2 and Pathogenic Bacteria. Current Microbiology, 2023, 80, .	2.2	1
719	Bacterial communities along parrot digestive and respiratory tracts: the effects of sample type, species and time. International Microbiology, 2024, 27, 127-142.	2.4	0
720	Genome-wide mapping of gene-microbe interactions in the murine lung microbiota based on quantitative microbial profiling. Animal Microbiome, 2023, 5, .	3.8	1
721	Feature selection of the respiratory microbiota associated with asthma. Journal of Big Data, 2023, 10, .	11.0	0
722	Whole-body microbiota of newborn calves and their response to prenatal vitamin and mineral supplementation. Frontiers in Microbiology, 0, 14, .	3.5	5
723	Clinical identification and microbiota analysis of Chlamydia psittaci- and Chlamydia abortus-pneumonia by metagenomic next-generation sequencing. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	2

#	ARTICLE	IF	CITATIONS
724	Viral etiology of acute respiratory tract infection among children under 5 years of age in Kunming City, China: a matched case–case–control study. <i>Journal of Applied Microbiology</i> , 2023, 134, .	3.1	0
725	Lung microbiome and origins of the respiratory diseases. <i>Current Research in Immunology</i> , 2023, 4, 100065.	2.8	5
726	Respiratory syncytial virus infection and novel interventions. <i>Nature Reviews Microbiology</i> , 2023, 21, 734-749.	28.6	23
727	Analysis of Lung Microbiome in COVID-19 Patients during Time of Hospitalization. <i>Pathogens</i> , 2023, 12, 944.	2.8	3
728	Longitudinal development of the airway metagenome of preterm very low birth weight infants during the first two years of life. <i>ISME Communications</i> , 2023, 3, .	4.2	1
729	Air pollution-associated shifts in the human airway microbiome and exposure-associated molecular events. <i>Future Microbiology</i> , 0, , .	2.0	0
730	Emissions and mitigation potential of endocrine disruptors during outdoor exercise: Fate, transport, and implications for human health. <i>Environmental Research</i> , 2023, 236, 116575.	7.5	0
731	Alterations in nasal microbiota of patients with amyotrophic lateral sclerosis. <i>Chinese Medical Journal</i> , 2024, 137, 162-171.	2.3	1
732	Unique microbial landscape in the human oropharynx during different types of acute respiratory tract infections. <i>Microbiome</i> , 2023, 11, .	11.1	2
734	The Disease with a Thousand Faces and the Human Microbiome—A Physiopathogenic Intercorrelation in Pediatric Practice. <i>Nutrients</i> , 2023, 15, 3359.	4.1	5
736	Antibiotic-induced collateral damage to the microbiota and associated infections. <i>Nature Reviews Microbiology</i> , 2023, 21, 789-804.	28.6	7
737	Respiratory irritation and sensitization. , 2023, , 211-230.		0
738	The respiratory microbiota and its impact on health and disease in dogs and cats: A One Health perspective. <i>Journal of Veterinary Internal Medicine</i> , 2023, 37, 1641-1655.	1.6	2
739	Multigenerational exposure of microplastics on the microbiota of <i>E. affinis</i> (copepod): a comparative study between biodegradable and nonbiodegradable microplastics. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	2.2	1
740	Electrogenic <i>Staphylococcus epidermidis</i> colonizes nasal cavities and alleviates IL-6 progression induced by the SARS2-CoV nucleocapsid protein. <i>Journal of Applied Microbiology</i> , 2023, 134, .	3.1	0
741	The association between nasal mucosa bacteria and serum metals in children with nasal diseases. <i>Ecotoxicology and Environmental Safety</i> , 2023, 262, 115343.	6.0	0
745	Utilizing metagenomic next-generation sequencing for diagnosis and lung microbiome probing of pediatric pneumonia through bronchoalveolar lavage fluid in pediatric intensive care unit: results from a large real-world cohort. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	3.9	0
746	Nasal discharge: A unique enhanced alternative for the detection of respiratory pathogens in adults. <i>Journal of Medical Virology</i> , 2023, 95, .	5.0	1

#	ARTICLE	IF	CITATIONS
747	Potential application of Staphylococcus species detection in the specific identification of saliva. Legal Medicine, 2023, 65, 102320.	1.3	0
748	Lactobacillus rhamnosus GG Regulates Host IFN-I Through the RIG-I Signalling Pathway to Inhibit Herpes Simplex Virus Type 2 Infection. Probiotics and Antimicrobial Proteins, 0, , .	3.9	1
749	The respiratory tract microbiome, the pathogen load, and clinical interventions define severity of bacterial pneumonia. Cell Reports Medicine, 2023, , 101167.	6.5	1
750	The upper respiratory tract microbiota of healthy adults is affected by Streptococcus pneumoniae carriage, smoking habits, and contact with children. Microbiome, 2023, 11, .	11.1	1
751	Sources, Degradation, Ingestion and Effects of Microplastics on Humans: A Review. Toxics, 2023, 11, 747.	3.7	1
752	Gut Microbiota and Respiratory Infections: Insights from Mendelian Randomization. Microorganisms, 2023, 11, 2108.	3.6	1
753	COVID-19 alters human microbiomes: a meta-analysis. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	0
754	Enrichment of human nasopharyngeal bacteriome with bacteria from dust after short-term exposure to indoor environment: a pilot study. BMC Microbiology, 2023, 23, .	3.3	0
755	Alterations of lower respiratory tract microbiome and short-chain fatty acids in different segments in lung cancer: a multiomics analysis. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	1
756	The Gutâ€œOrgan Axis within the Human Body: Gut Dysbiosis and the Role of Prebiotics. Life, 2023, 13, 2023.	2.4	2
757	Drug-microbiota interactions: an emerging priority for precision medicine. Signal Transduction and Targeted Therapy, 2023, 8, .	17.1	5
758	Biocenosis of the vagina. Norm. Disruption. Restoration. , 2023, , .		0
759	Microbiotoxicity: antibiotic usage and its unintended harm to the microbiome. Current Opinion in Infectious Diseases, 2023, 36, 371-378.	3.1	0
760	Tongue coating microbiome composition reflects disease severity in patients with COVID-19 in Nanjing, China. Journal of Oral Microbiology, 2023, 15, .	2.7	2
761	The airway microbiota of neonates colonized with asthma-associated pathogenic bacteria. Nature Communications, 2023, 14, .	12.8	1
762	High temperature exacerbates ozone-induced airway inflammation: Implication of airway microbiota and metabolites. Science of the Total Environment, 2023, 903, 166795.	8.0	1
763	Soil microbiome influences human health in the context of climate change. Future Microbiology, 2023, 18, 845-859.	2.0	0
767	Host microbiome in tuberculosis: disease, treatment, and immunity perspectives. Frontiers in Microbiology, 0, 14, .	3.5	2



#	ARTICLE	IF	CITATIONS
768	Neighborhood garden's age shapes phyllosphere microbiota associated with respiratory diseases in cold seasons. <i>Environmental Science and Ecotechnology</i> , 2024, 18, 100315.	13.5	0
769	Early-immune development in asthma: A review of the literature. <i>Cellular Immunology</i> , 2023, 393-394, 104770.	3.0	0
771	Dynamics of the Microbiota and Its Relationship with Post-COVID-19 Syndrome. <i>International Journal of Molecular Sciences</i> , 2023, 24, 14822.	4.1	3
772	Host-specific signatures of the respiratory microbiota in domestic animals. <i>Research in Veterinary Science</i> , 2023, 164, 105037.	1.9	1
773	Isolation and whole genome sequencing of a lipophilic anaerobic bacterium, a representative of the species complex <i>Corynebacterium tuberculostearicum</i> , from a tuberculosis focus. <i>Acta Biomedica Scientifica</i> , 2023, 8, 12-19.	0.2	0
774	Lung Microbiota in Idiopathic Pulmonary Fibrosis, Hypersensitivity Pneumonitis, and Unclassified Interstitial Lung Diseases: A Preliminary Pilot Study. <i>Diagnostics</i> , 2023, 13, 3157.	2.6	1
775	The respiratory microbiome in childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2023, 152, 1352-1367.	2.9	2
776	Particle-size stratification of airborne antibiotic resistant genes, mobile genetic elements, and bacterial pathogens within layer and broiler farms in Beijing, China. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0
777	Assessing the use of minimally invasive self-sampling at home for long-term monitoring of the microbiota within UK families. <i>Scientific Reports</i> , 2023, 13, .	3.3	0
778	Seasonal Azithromycin Use in Paediatric Protracted Bacterial Bronchitis Does Not Promote Antimicrobial Resistance but Does Modulate the Nasopharyngeal Microbiome. <i>International Journal of Molecular Sciences</i> , 2023, 24, 16053.	4.1	0
779	Optimization of <i>Aspergillus versicolor</i> Culture and Aerosolization in a Murine Model of Inhalational Fungal Exposure. <i>Journal of Fungi (Basel, Switzerland)</i> , 2023, 9, 1090.	3.5	0
780	Robust airway microbiome signatures in acute respiratory failure and hospital-acquired pneumonia. <i>Nature Medicine</i> , 2023, 29, 2793-2804.	30.7	5
781	Performance of targeted next-generation sequencing in the detection of respiratory pathogens and antimicrobial resistance genes for children. <i>Journal of Medical Microbiology</i> , 2023, 72, .	1.8	2
782	Effect of seven anti-tuberculosis treatment regimens on sputum microbiome: a retrospective analysis of the HIGHRIF study 2 and PanACEA MAMS-TB clinical trials. <i>Lancet Microbe</i> , The, 2023, 4, e913-e922.	7.3	0
783	<i>Mycobacterium tuberculosis</i> Rv1987 protein attenuates inflammatory response and consequently alters microbiota in mouse lung. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	3.9	0
784	<i>Streptococcus</i> strain D19T as a probiotic candidate to modulate oral health. <i>BMC Microbiology</i> , 2023, 23, .	3.3	0
785	Bacterial Biomarkers of the Oropharyngeal and Oral Cavity during SARS-CoV-2 Infection. <i>Microorganisms</i> , 2023, 11, 2703.	3.6	0
786	Association between periodontal disease and chronic obstructive pulmonary disease. <i>Japanese Dental Science Review</i> , 2023, 59, 389-402.	5.1	0

#	ARTICLE	IF	CITATIONS
787	The spatial dissimilarities and connections of the microbiota in the upper and lower respiratory tract of beef cattle. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	3.9	0
790	Tonsil microbiome in pediatric patients with post tonsillectomy hemorrhage for tonsillar hypertrophy. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2024, 176, 111788.	1.0	0
791	High throughput sequencing technology reveals alteration of lower respiratory tract microbiome in severe aspiration pneumonia and its association with inflammation. <i>Infection, Genetics and Evolution</i> , 2023, 116, 105533.	2.3	0
793	The microbiome: an integral player in immune homeostasis and inflammation in the respiratory tract. <i>Physiological Reviews</i> , 2024, 104, 835-879.	28.8	0
794	Alterations in microbiome of COVID-19 patients and its impact on forensic investigations. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2024, 64, 81-94.	2.1	0
795	Upper respiratory tract microbiome profiles in SARS-CoV-2 Delta and Omicron infected patients exhibit variant specific patterns and robust prediction of disease groups. <i>Microbiology Spectrum</i> , 2023, 11, .	3.0	1
797	The gut-lung axis in critical illness: microbiome composition as a predictor of mortality at day 28 in mechanically ventilated patients. <i>BMC Microbiology</i> , 2023, 23, .	3.3	0
798	Repurposing ebsele as an inhalable dry powder to treat respiratory tract infections. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2024, 195, 114170.	4.3	0
799	Tools and Techniques for Exploring Hidden Microorganisms: A Potential Future of Human Health Diagnosis. , 2023, , 251-279.		0
801	Nasal cavity microbiota features among people who have had COVID-19. , 2023, 18, 97-102.		0
802	Nanomedicine at the Pulmonary Frontier: Immune-Centric Approaches for Respiratory Disease Treatment. <i>Immunological Investigations</i> , 2024, 53, 295-347.	2.0	0
803	Bacteria-based drug delivery for treating non-oncological diseases. <i>Journal of Controlled Release</i> , 2024, 366, 668-683.	9.9	0
804	What Makes the Gut-Lung Axis Working? From the Perspective of Microbiota and Traditional Chinese Medicine. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2024, 2024, 1-15.	1.9	0
805	The maternal microbiome in pregnancy, delivery, and earlyâ€stage development of neonatal microbiome after cesarean section: A prospective longitudinal study. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2024, 103, 832-841.	2.8	0
807	Exploring nasopharyngeal microbiota profile in children affected by SARS-CoV-2 infection. <i>Microbiology Spectrum</i> , 2024, 12, .	3.0	0
810	Comparison between upper and lower airway microbiome profiles in chronic rhinosinusitis patients. <i>International Forum of Allergy and Rhinology</i> , 0, , .	2.8	0
811	Genomic attributes of airway commensal bacteria and mucosa. <i>Communications Biology</i> , 2024, 7, .	4.4	0
812	Enhancing immune regulation in vitro: the synergistic impact of 3â€sialyllactose and osteopontin in a nutrient blend following influenza virus infection. <i>Frontiers in Immunology</i> , 0, 15, .	4.8	0

#	ARTICLE	IF	CITATIONS
813	The lower airway microbiome in paediatric health and chronic disease. Paediatric Respiratory Reviews, 2024, , .	1.8	0
814	The Role of Lung Microbiome in Fibrotic Interstitial Lung Disease“ A Systematic Review. Biomolecules, 2024, 14, 247.	4.0	0
815	The clinical outcome of COVID-19 is strongly associated with microbiome dynamics in the upper respiratory tract. Journal of Infection, 2024, 88, 106118.	3.3	0
817	Microbes translocation from oral cavity to nasopharyngeal carcinoma in patients. Nature Communications, 2024, 15, .	12.8	0
818	Remodeling of Paranasal Sinuses Mucosa Functions in Response to Biofilm-Induced Inflammation. Journal of Inflammation Research, 0, Volume 17, 1295-1323.	3.5	0
819	The microbiome and COPD. , 2024, , 118-134.		0
820	Translating microbiota analysis for clinical applications. , 2024, 2, 284-286.		0
821	Proteomic scrutiny of nasal microbiomes: implications for the clinic. Expert Review of Proteomics, 2024, 21, 169-179.	3.0	0
822	Lung Microbiota and Ventilator-Associated Pneumonia in the Neonatal Period. Pathogens, 2024, 13, 220.	2.8	0
823	Yinhuang buccal tablet alters airway microbiota composition and metabolite profile in healthy humans. Journal of Ethnopharmacology, 2024, 328, 118043.	4.1	0
824	Hypercapnia and its relationship with respiratory infections. Expert Review of Respiratory Medicine, 2024, 18, 41-47.	2.5	0
825	Nanostrategies for Infectious Pulmonary Diseases: Current Progress and Future Prospects. , 2024, , 25-52.		0
826	Airway commensal bacteria in cystic fibrosis inhibit the growth of P. aeruginosa via a released metabolite. Microbiological Research, 2024, 283, 127680.	5.3	0
827	Effects of Probiotic Supplementation during Chronic Rhinosinusitis on the Microbiome. Journal of Clinical Medicine, 2024, 13, 1726.	2.4	0
828	A deep insight into ferroptosis in lung disease: facts and perspectives. Frontiers in Oncology, 0, 14, .	2.8	0
829	Nasopharyngeal Dysbiosis Precedes the Development of Lower Respiratory Tract Infections in Young Infants, a Longitudinal Infant Cohort Study. Gates Open Research, 0, 6, 48.	1.1	0