Gut microbiota metabolism of dietary fiber influences a hematopoiesis

Nature Medicine

20, 159-166

DOI: 10.1038/nm.3444

Citation Report

#	Article	IF	Citations
1	Gut Microbiota-Derived Short-Chain Fatty Acids, T Cells, and Inflammation. Immune Network, 2014, 14, 277.	1.6	473
2	A Grand Challenge of Factors Influencing Lung Health. Frontiers in Medicine, 2014, 1, 11.	1.2	0
3	From lifetime to evolution: timescales of human gut microbiota adaptation. Frontiers in Microbiology, 2014, 5, 587.	1.5	91
4	Complex Pharmacology of Novel Allosteric Free Fatty Acid 3 Receptor Ligands. Molecular Pharmacology, 2014, 86, 200-210.	1.0	58
6	Microorganism-induced suppression of allergic airway disease: novel therapies on the horizon?. Expert Review of Respiratory Medicine, 2014, 8, 717-730.	1.0	7
7	Commensal-pathogen interactions in the intestinal tract. Gut Microbes, 2014, 5, 522-532.	4.3	252
9	Identifying rare variants for genetic risk through a combined pedigree and phenotype approach: application to suicide and asthma. Translational Psychiatry, 2014, 4, e471-e471.	2.4	8
10	The Intestinal Microbiome in Early Life: Health and Disease. Frontiers in Immunology, 2014, 5, 427.	2.2	685
11	Bone Marrow Dendritic Cells from Mice with an Altered Microbiota Provide Interleukin 17A-Dependent Protection against Entamoeba histolytica Colitis. MBio, 2014, 5, e01817.	1.8	106
12	The role of the microbiome in immune cell development. Annals of Allergy, Asthma and Immunology, 2014, 113, 593-598.	0.5	23
13	Asthma 2014: from monoclonals to the microbiome. Lancet Respiratory Medicine,the, 2014, 2, 956-958.	5.2	2
14	Hostâ€“microorganism interactions in lung diseases. Nature Reviews Immunology, 2014, 14, 827-835.	10.6	275
15	The Central Role of the Gut Microbiota in Chronic Inflammatory Diseases. Journal of Immunology Research, 2014, 2014, 1-12.	0.9	158
16	Irritable bowel syndrome: A microbiome-gut-brain axis disorder?. World Journal of Gastroenterology, 2014, 20, 14105.	1.4	249
17	The role of commensal bacteria in the regulation of sensitization to food allergens. FEBS Letters, 2014, 588, 4258-4266.	1.3	53
18	Increase in dietary fiber dampens allergic responses in the lung. Nature Medicine, 2014, 20, 120-121.	15.2	10
19	You are what you eat. Nature Biotechnology, 2014, 32, 243-245.	9.4	80
20	Drug-resistant tuberculosis: a new shot on goal. Nature Medicine, 2014, 20, 121-123.	15.2	8

#	Article	IF	Citations
21	Relationship between gut microbiota and development of T cell associated disease. FEBS Letters, 2014, 588, 4195-4206.	1.3	84
22	Diet and the Intestinal Microbiome: Associations, Functions, and Implications for Health and Disease. Gastroenterology, 2014, 146, 1564-1572.	0.6	486
23	Lung microbiota promotes tolerance to allergens in neonates via PD-L1. Nature Medicine, 2014, 20, 642-647.	15.2	480
24	Microbial view of central nervous system autoimmunity. FEBS Letters, 2014, 588, 4207-4213.	1.3	119
25	Gut microbiotaâ€“generated metabolites in animal health and disease. Nature Chemical Biology, 2014, 10, 416-424.	3.9	539
26	The Microbiota, Chemical Symbiosis, and Human Disease. Journal of Molecular Biology, 2014, 426, 3877-3891.	2.0	42
27	Histone Deacetylase Inhibitors Upregulate B Cell microRNAs That Silence AID and Blimp-1 Expression for Epigenetic Modulation of Antibody and Autoantibody Responses. Journal of Immunology, 2014, 193, 5933-5950.	0.4	101
28	Microbiome Diversity and Asthma and Allergy Risk. Current Allergy and Asthma Reports, 2014, 14, 466.	2.4	59
29	Epigenomic regulation of hostâ€“microbiota interactions. Trends in Immunology, 2014, 35, 518-525.	2.9	60
30	Cellular and molecular pathways through which commensal bacteria modulate sensitization to dietary antigens. Current Opinion in Immunology, 2014, 31, 79-86.	2.4	15
31	Diet, Metabolites, and â€œWestern-Lifestyleâ€•Inflammatory Diseases. Immunity, 2014, 40, 833-842.	6.6	736
32	Obesity and Asthmaâ€”Is There a Causal Association?. Immunology and Allergy Clinics of North America, 2014, 34, xi-xii.	0.7	0
33	Finding the Missing Links among Metabolites, Microbes, and the Host. Immunity, 2014, 40, 824-832.	6.6	256
34	Long-term dietary pattern of fecal donor correlates with butyrate production and markers of protein fermentation during in vitro fecal fermentation. Nutrition Research, 2014, 34, 749-759.	1.3	38
35	Probiotic Lactobacillus strains protect against myelosuppression and immunosuppression in cyclophosphamide-treated mice. International Immunopharmacology, 2014, 22, 209-221.	1.7	55
36	The cross talk between microbiota and the immune system: metabolites take center stage. Current Opinion in Immunology, 2014, 30, 54-62.	2.4	159
37	The Reply. American Journal of Medicine, 2014, 127, e15.	0.6	0
38	Minireview: Gut Microbiota: The Neglected Endocrine Organ. Molecular Endocrinology, 2014, 28, 1221-1238.	3.7	835

#	Article	IF	Citations
39	Collateral Damage: Microbiota-Derived Metabolites and Immune Function in the Antibiotic Era. Cell Host and Microbe, 2014, 16, 156-163.	5.1	50
40	Starving our Microbial Self: The Deleterious Consequences of a Diet Deficient in Microbiota-Accessible Carbohydrates. Cell Metabolism, 2014, 20, 779-786.	7.2	614
41	The Gut-Adipose-Liver Axis in the Metabolic Syndrome. Physiology, 2014, 29, 304-313.	1.6	65
42	The Cohort for Childhood Origin of Asthma and allergic diseases (COCOA) study: design, rationale and methods. BMC Pulmonary Medicine, 2014, 14, 109.	0.8	60
43	Fast food fever: reviewing the impacts of the Western diet on immunity. Nutrition Journal, 2014, 13, 61.	1.5	289
44	The potential impact of the pulmonary microbiome on immunopathogenesis of Aspergillusâ€related lung disease. European Journal of Immunology, 2014, 44, 3156-3165.	1.6	55
45	Diet and airway inflammation. Nature Reviews Immunology, 2014, 14, 65-65.	10.6	5
46	B cells as a critical node in the microbiotaâ€“host immune system network. Immunological Reviews, 2014, 260, 50-66.	2.8	47
47	Fusobacterium and Enterobacteriaceae: Important players for CRC?. Immunology Letters, 2014, 162, 54-61.	1.1	119
48	Microbiota and diabetes: an evolving relationship. Gut, 2014, 63, 1513-1521.	6.1	631
49	The Influence of Early Life Nutrition on Epigenetic Regulatory Mechanisms of the Immune System. Nutrients, 2014, 6, 4706-4719.	1.7	60
50	Genetically identical co-housed pigs as models for dietary studies of gut microbiomes. Microbiome Science and Medicine, 2014, 1, .	0.3	3
51	The Bergen COPD microbiome study (MicroCOPD): rationale, design, and initial experiences. European Clinical Respiratory Journal, 2014, 1, 26196.	0.7	21
52	Asthma, Atopy, and Intestinal Microbiota. Journal of Pediatric Biochemistry, 2015, 05, 071-076.	0.2	0
53	The effect of short-chain fatty acids on human monocyte-derived dendritic cells. Scientific Reports, 2015, 5, 16148.	1.6	269
54	Nanoparticle conjugation enhances the immunomodulatory effects of intranasally delivered CpG in house dust mite-allergic mice. Scientific Reports, 2015, 5, 14274.	1.6	42
55	Microorganisms in Fermented Foods and Beverages. , 2015, , 16-125.		3
56	Influence of microbiome and diet on immune responses in food allergy models. Drug Discovery Today: Disease Models, 2015, 17-18, 71-80.	1.2	16

#	Article	IF	Citations
57	Promotion of regulatory T cell induction by immunomodulatory herbal medicine licorice and its two constituents. Scientific Reports, 2015, 5, 14046.	1.6	57
58	Human GPR42 is a transcribed multisite variant that exhibits copy number polymorphism and is functional when heterologously expressed. Scientific Reports, 2015, 5, 12880.	1.6	19
59	Effect of Bifidobacterium breve B-3 on skin photoaging induced by chronic UV irradiation in mice. Beneficial Microbes, 2015, 6, 497-504.	1.0	42
60	Influence and effect of the human microbiome in allergy and asthma. Current Opinion in Rheumatology, 2015, 27, 373-380.	2.0	49
62	Diet and asthma. Current Opinion in Allergy and Clinical Immunology, 2015, 15, 369-374.	1.1	37
63	Fatty Acids Secreted by Anaerobes. Fueling Inflammation in Cystic Fibrosis Lungs. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 1270-1271.	2.5	2
64	In-utero exposures and the evolving epidemiology of paediatric allergy. Current Opinion in Allergy and Clinical Immunology, 2015, 15, 402-408.	1.1	28
65	Regulation of intestinal inflammation through interaction of intestinal environmental factors and innate immune cells. Inflammation and Regeneration, 2015, 35, 028-041.	1.5	0
66	The Microbiome and Sustainable Healthcare. Healthcare (Switzerland), 2015, 3, 100-129.	1.0	44
67	Intrinsic association between diet and the gut microbiome: current evidence. Nutrition and Dietary Supplements, 2015, 7, 69.	0.7	11
68	Metabolic Interactions in the Gastrointestinal Tract (GIT): Host, Commensal, Probiotics, and Bacteriophage Influences. Microorganisms, 2015, 3, 913-932.	1.6	9
69	The Impact of Diet and Lifestyle on Gut Microbiota and Human Health. Nutrients, 2015, 7, 17-44.	1.7	1,108
70	Breast Milk and Solid Food Shaping Intestinal Immunity. Frontiers in Immunology, 2015, 6, 415.	2.2	65
71	Intestinal Microbiota and the Innate Immune System â€“ A Crosstalk in Crohnâ€™s Disease Pathogenesis. Frontiers in Immunology, 2015, 6, 489.	2.2	34
72	Epigenetics of Peripheral B-Cell Differentiation and the Antibody Response. Frontiers in Immunology, 2015, 6, 631.	2.2	77
73	Regulation of lung immunity and host defense by the intestinal microbiota. Frontiers in Microbiology, 2015, 6, 1085.	1.5	301
74	The hygiene hypothesis: current perspectives and future therapies. ImmunoTargets and Therapy, 2015, 4, 143.	2.7	143
75	Bromatology: What We Do and What We are About. Advance Journal of Food Science and Technology, 2015, 8, 895-900.	0.1	0

#	Article	IF	Citations
76	The Multifaceted Role of Commensal Microbiota in Homeostasis and Gastrointestinal Diseases. Journal of Immunology Research, 2015, 2015, 1-14.	0.9	33
78	Intestinal microbiota-related effects on graft-versus-host disease. International Journal of Hematology, 2015, 101, 428-437.	0.7	51
79	Neonatal hyperoxia leads to persistent alterations in NK responses to influenza A virus infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L76-L85.	1.3	13
80	The composition of the gut microbiota throughout life, with an emphasis on early life. Microbial Ecology in Health and Disease, 2015, 26, 26050.	3.8	766
81	Unraveling the environmental and genetic interactions inÂatherosclerosis: Central role of the gut microbiota. Atherosclerosis, 2015, 241, 387-399.	0.4	67
82	Mechanisms of Experimental Mouse Models of Airway Hyperresponsiveness. , 2015, , 1783-1803.		0
83	The human microbiome in hematopoiesis and hematologic disorders. Blood, 2015, 126, 311-318.	0.6	66
84	Lungs, Microbes and the Developing Neonate. Neonatology, 2015, 107, 337-343.	0.9	24
85	Worming Their Way into the Picture: Microbiota Help Helminths Modulate Host Immunity. Immunity, 2015, 43, 840-842.	6.6	7
86	The Role of Integrated Omics in Elucidating the Gut Microbiota Health Potentials. Microbiology Monographs, 2015, , 73-100.	0.3	2
87	The microbiome in asthma. Journal of Allergy and Clinical Immunology, 2015, 135, 25-30.	1.5	227
88	Microbiota and the human nature: know thyself. Environmental Microbiology, 2015, 17, 10-15.	1.8	12
89	BehÃ§et's syndrome patients exhibit specific microbiome signature. Autoimmunity Reviews, 2015, 14, 269-276.	2.5	195
90	Growth promotion and gut microbiota: insights from antibiotic use. Environmental Microbiology, 2015, 17, 2216-2227.	1.8	51
91	Asthma and obesity in children: current evidence and potential systems biology approaches. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 26-40.	2.7	40
92	The Gut Microbial Endocrine Organ: Bacterially Derived Signals Driving Cardiometabolic Diseases. Annual Review of Medicine, 2015, 66, 343-359.	5.0	350
93	The ruralâ€“urban enigma of allergy: What can we learn from studies around the world?. Pediatric Allergy and Immunology, 2015, 26, 95-102.	1.1	62
94	Amino acid metabolism in intestinal bacteria and its potential implications for mammalian reproduction. Molecular Human Reproduction, 2015, 21, 389-409.	1.3	150

#	Article	IF	Citations
95	Gut Bacteria Products Prevent AKI Induced by Ischemia-Reperfusion. Journal of the American Society of Nephrology: JASN, 2015, 26, 1877-1888.	3.0	378
96	Food, Immunity, and the Microbiome. Gastroenterology, 2015, 148, 1107-1119.	0.6	278
97	The gut sensor as regulator of body weight. Endocrine, 2015, 49, 35-50.	1.1	25
98	Lifestyle Effects on Hematopoiesis and Atherosclerosis. Circulation Research, 2015, 116, 884-894.	2.0	89
100	Drugging the gut microbiome. Nature Biotechnology, 2015, 33, 228-231.	9.4	46
101	Cohort Profile: The Barwon Infant Study. International Journal of Epidemiology, 2015, 44, 1148-1160.	0.9	104
102	Gut microbiota trajectory in pediatric patients undergoing hematopoietic SCT. Bone Marrow Transplantation, 2015, 50, 992-998.	1.3	111
103	Microbiome influences on allergy in mice and humans. Current Opinion in Immunology, 2015, 36, 94-100.	2.4	42
104	Pancreatic Î²-Cells Limit Autoimmune Diabetes via an Immunoregulatory Antimicrobial Peptide Expressed under the Influence of the Gut Microbiota. Immunity, 2015, 43, 304-317.	6.6	247
105	Transmissible microbial and metabolomic remodeling by soluble dietary fiber improves metabolic homeostasis. Scientific Reports, 2015, 5, 10604.	1.6	77
106	Microbiota Metabolite Regulation of Host Immune Homeostasis: A Mechanistic Missing Link. Current Allergy and Asthma Reports, 2015, 15, 24.	2.4	54
107	A gut feeling about immunity. Nature Medicine, 2015, 21, 674-676.	15.2	8
108	Lactate and short chain fatty acids produced by microbial fermentation downregulate proinflammatory responses in intestinal epithelial cells and myeloid cells. Immunobiology, 2015, 220, 1161-1169.	0.8	220
109	Evidence that asthma is a developmental origin disease influenced by maternal diet and bacterial metabolites. Nature Communications, 2015, 6, 7320.	5.8	683
110	Promising candidates for allergy prevention. Journal of Allergy and Clinical Immunology, 2015, 136, 23-28.	1.5	20
111	Immunological characteristics and management considerations in obese patients with asthma. Expert Review of Clinical Immunology, 2015, 11, 793-803.	1.3	10
112	Engineering the Microbiome: a Novel Approach to Immunotherapy for Allergic and Immune Diseases. Current Allergy and Asthma Reports, 2015, 15, 39.	2.4	13
113	Batf3 deficiency is not critical for the generation of CD8Î±+ dendritic cells. Immunobiology, 2015, 220, 518-524.	0.8	18

#	Article	IF	Citations
114	A Role for Gut Microbiota and the Metaboliteâ€Sensing Receptor GPR43 in a Murine Model of Gout. Arthritis and Rheumatology, 2015, 67, 1646-1656.	2.9	192
115	The impact of diet on asthma and allergic diseases. Nature Reviews Immunology, 2015, 15, 308-322.	10.6	201
116	Aging and the microbiome: implications for asthma in the elderly?. Expert Review of Respiratory Medicine, 2015, 9, 125-128.	1.0	27
117	Microbiota in Allergy and Asthma and the Emerging Relationship with the Gut Microbiome. Cell Host and Microbe, 2015, 17, 592-602.	5.1	327
118	NestlÃ©'s research on nutrition and the human gut microbiome. Scientific American, 2015, 312, 79-85.	1.0	0
119	Towards a more comprehensive concept for prebiotics. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 303-310.	8.2	679
120	Prebiotics, probiotics, synbiotics, and the immune system. Current Opinion in Gastroenterology, 2015, 31, 153-158.	1.0	204
121	Intestinal dendritic cells. Current Opinion in Gastroenterology, 2015, 31, 98-103.	1.0	34
122	Association between Western diet pattern and adult asthma: aÂfocused review. Annals of Allergy, Asthma and Immunology, 2015, 114, 273-280.	0.5	50
123	Dietary patterns and asthma prevalence, incidence and control. Clinical and Experimental Allergy, 2015, 45, 1673-1680.	1.4	53
124	Mast Cell Activation Disease and Microbiotic Interactions. Clinical Therapeutics, 2015, 37, 941-953.	1.1	19
125	Mechanisms of allergic disease â€“ environmental and genetic determinants for the development of allergy. Clinical and Experimental Allergy, 2015, 45, 844-858.	1.4	59
126	Early infancy microbial and metabolic alterations affect risk of childhood asthma. Science Translational Medicine, 2015, 7, 307ra152.	5.8	1,277
127	The Gut Microbiota of Rural Papua New Guineans: Composition, Diversity Patterns, and Ecological Processes. Cell Reports, 2015, 11, 527-538.	2.9	475
128	Immune defence against Candida fungal infections. Nature Reviews Immunology, 2015, 15, 630-642.	10.6	440
129	Diet, interleukin-17, and childhood asthma in Puerto Ricans. Annals of Allergy, Asthma and Immunology, 2015, 115, 288-293.e1.	0.5	51
130	Hostâ€“microbe interactions in distal airways: relevance to chronic airway diseases. European Respiratory Review, 2015, 24, 78-91.	3.0	35
131	The Intestinal Microbiota Contributes to the Ability of Helminths to Modulate Allergic Inflammation. Immunity, 2015, 43, 998-1010.	6.6	362

#	Article	IF	Citations
132	Impact of Early-Life Exposures on Immune Maturation and Susceptibility to Disease. Trends in Immunology, 2015, 36, 684-696.	2.9	149
133	Nutritional control of immunity: Balancing the metabolic requirements with an appropriate immune function. Seminars in Immunology, 2015, 27, 300-309.	2.7	55
134	Whey peptide-based enteral diet attenuated elastase-induced emphysema with increase in short chain fatty acids in mice. BMC Pulmonary Medicine, 2015, 15, 64.	0.8	25
135	The need to differentiate between adults and children when treating severe asthma. Expert Review of Respiratory Medicine, 2015, 9, 419-428.	1.0	13
136	Multicenter Comparison of Lung and Oral Microbiomes of HIV-infected and HIV-uninfected Individuals. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 1335-1344.	2.5	120
137	The Role of Short-Chain Fatty Acids, Produced by Anaerobic Bacteria, in the Cystic Fibrosis Airway. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 1314-1324.	2.5	109
138	Helminths and the microbiota: parts of the hygiene hypothesis. Parasite Immunology, 2015, 37, 314-323.	0.7	70
139	Year in review 2014: Chronic obstructive pulmonary disease, asthma and airway biology. Respirology, 2015, 20, 510-518.	1.3	0
140	Dietary Fatty Acids Directly Impact Central Nervous System Autoimmunity via the Small Intestine. Immunity, 2015, 43, 817-829.	6.6	637
141	Multicenter Evaluation of Current Knowledge of Intestinal Transplantation and Rehabilitation Among Trainee Physicians. Transplantation Proceedings, 2015, 47, 1988-1992.	0.3	3
142	Cohabitation in the Intestine: Interactions among Helminth Parasites, Bacterial Microbiota, and Host Immunity. Journal of Immunology, 2015, 195, 4059-4066.	0.4	154
143	A Combined Omics Approach to Generate the Surface Atlas of Human Naive CD4+ T Cells during Early T-Cell Receptor Activation. Molecular and Cellular Proteomics, 2015, 14, 2085-2102.	2.5	40
144	Review: Mechanisms of How the Intestinal Microbiota Alters the Effects of Drugs and Bile Acids. Drug Metabolism and Disposition, 2015, 43, 1505-1521.	1.7	156
145	New developments providing mechanistic insight into the impact of the microbiota on allergic disease. Clinical Immunology, 2015, 159, 170-176.	1.4	39
146	Gut Microbiome and the Development of Food Allergy and Allergic Disease. Pediatric Clinics of North America, 2015, 62, 1479-1492.	0.9	60
147	Asthma Prevention: Right Bugs, Right Time?. Cell Host and Microbe, 2015, 18, 523-525.	5.1	5
148	Enemy attraction: bacterial agonists for leukocyte chemotaxis receptors. Nature Reviews Microbiology, 2015, 13, 95-104.	13.6	61
149	The interplay between the intestinal microbiota and the immune system. Clinics and Research in Hepatology and Gastroenterology, 2015, 39, 9-19.	0.7	60

#	Article	IF	Citations
150	Commensal microbiota regulates T cell fate decision in the gut. Seminars in Immunopathology, 2015, 37, 17-25.	2.8	90
151	Toward the comprehensive understanding of the gut ecosystem via metabolomics-based integrated omics approach. Seminars in Immunopathology, 2015, 37, 5-16.	2.8	46
152	Short-chain fatty acids induce both effector and regulatory T cells by suppression of histone deacetylases and regulation of the mTORâ€“S6K pathway. Mucosal Immunology, 2015, 8, 80-93.	2.7	824
153	18. Das Lungenmikrobiom bei chronisch-entzÃ¼ndlichen Lungenerkrankungen und bei kritisch kranken Patienten. , 2016, , .		0
154	Biological roles and therapeutic potential of G protein-coupled receptors for free fatty acids and metabolic intermediates. The Journal of Physical Fitness and Sports Medicine, 2016, 5, 213-227.	0.2	5
155	Epigenomics of Intestinal Disease. , 2016, , 257-273.		0
156	Microbiome and Allergy. , 2016, , 336-345.		1
157	Gut Microbiota in Multiple Sclerosis. , 2016, , 113-125.		4
158	Lung Microbiome Analysis in Steroid-NaÑ—ve Asthma Patients by Using Whole Sputum. Tuberculosis and Respiratory Diseases, 2016, 79, 165.	0.7	29
159	Current status of microbiome research in asthma and chronic obstructive pulmonary disease. Allergy Asthma & Respiratory Disease, 2016, 4, 321.	0.3	2
160	The Hygiene Hypothesis and Immunity to Parasitic Helminths. , 2016, , 166-172.		0
161	Metabolism plays the key roles in Th cells differentiation. Reumatismo, 2016, 68, 176-182.	0.4	1
162	Microbiome and the Effect on Immune Response. , 2016, , 171-194.		0
163	Microbial Influences on the Development of Atopy. , 2016, , 209-217.		1
164	The New Era of Treatment for Obesity and Metabolic Disorders: Evidence and Expectations for Gut Microbiome Transplantation. Frontiers in Cellular and Infection Microbiology, 2016, 6, 15.	1.8	60
165	Local and Long-Distance Calling: Conversations between the Gut Microbiota and Intra- and Extra-Gastrointestinal Tract Infections. Frontiers in Cellular and Infection Microbiology, 2016, 6, 41.	1.8	28
166	GPR41 and GPR43 in Obesity and Inflammationâ€‰â€“â€‰Protective or Causative?. Frontiers in Immunology, 2016, 7, 28.	2.2	207
167	The Challenge and Potential of Metagenomics in the Clinic. Frontiers in Immunology, 2016, 7, 29.	2.2	49

#	Article	IF	Citations
168	An Omics Perspective on Candida Infections: Toward Next-Generation Diagnosis and Therapy. Frontiers in Microbiology, 2016, 7, 154.	1.5	9
169	Current Knowledge and Future Research Directions on Fecal Bacterial Patterns and Their Association with Asthma. Frontiers in Microbiology, 2016, 7, 838.	1.5	5
170	Respiratory Microbiome of New-Born Infants. Frontiers in Pediatrics, 2016, 4, 10.	0.9	44
171	Gut Microbiota and Coronary Artery Disease. International Heart Journal, 2016, 57, 663-671.	0.5	55
172	Genome Analysis and Characterisation of the Exopolysaccharide Produced by Bifidobacterium longum subsp. longum 35624â„¢. PLoS ONE, 2016, 11, e0162983.	1.1	76
173	Xenobiotic Metabolism and Gut Microbiomes. PLoS ONE, 2016, 11, e0163099.	1.1	53
175	GUT-the Trojan Horse in Remote Organsâ€™ Autoimmunity. Journal of Clinical & Cellular Immunology, 2016, 07, .	1.5	8
176	Beneficial effect of Lactococcus lactis NCC 2287 in a murine model of eosinophilic esophagitis. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 1753-1761.	2.7	29
177	The microbiome and development of allergic disease. Current Opinion in Allergy and Clinical Immunology, 2016, 16, 165-171.	1.1	73
178	Airway Microbiota and the Implications of Dysbiosis in Asthma. Current Allergy and Asthma Reports, 2016, 16, 52.	2.4	48
179	Lungâ€“gut crossâ€talk: evidence, mechanisms and implications for theÂmucosal inflammatory diseases. Clinical and Experimental Allergy, 2016, 46, 519-528.	1.4	94
180	The human gut microbiome in health: establishment and resilience of microbiota over a lifetime. Environmental Microbiology, 2016, 18, 2103-2116.	1.8	169
181	Fecal Microbiota Transplant Restores Mucosal Integrity in a Murine Model of Burn Injury. Shock, 2016, 45, 647-652.	1.0	32
182	Dietâ€“microbiota interactions as moderators of human metabolism. Nature, 2016, 535, 56-64.	13.7	1,602
183	The microbiome and innate immunity. Nature, 2016, 535, 65-74.	13.7	1,502
184	Defining an olfactory receptor function in airway smooth muscle cells. Scientific Reports, 2016, 6, 38231.	1.6	83
185	Impact of the microbial derived short chain fatty acid propionate on host susceptibility to bacterial and fungal infections in vivo. Scientific Reports, 2016, 6, 37944.	1.6	96
186	Disruption of the microbiota across multiple body sites in critically ill children. Microbiome, 2016, 4, 66.	4.9	84

#	Article	IF	Citations
187	Is A High-fiber Diet able to Influence Ovalbumin-induced Allergic Airway Inflammation in a Mouse Model?. Allergy and Rhinology, 2016, 7, ar.2016.7.0186.	0.7	2
188	Streptomycin treatment alters the intestinal microbiome, pulmonary T cell profile and airway hyperresponsiveness in a cystic fibrosis mouse model. Scientific Reports, 2016, 6, 19189.	1.6	48
189	Analysis of the intestinal microbial community and inferred functional capacities during the host response to Pneumocystis pneumonia. Experimental Lung Research, 2016, 42, 425-439.	0.5	26
190	The Microbiome and the Pathophysiology of Asthma. Respiratory Research, 2016, 17, 163.	1.4	48
191	Medical mycology and fungal immunology: new research perspectives addressing a major world health challenge. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150462.	1.8	50
192	Modulation of gut microbiota dysbioses in type 2 diabetic patients by macrobiotic Ma-Pi 2 diet. British Journal of Nutrition, 2016, 116, 80-93.	1.2	181
194	Shotgun Metagenomics of 250 Adult Twins Reveals Genetic and Environmental Impacts on the Gut Microbiome. Cell Systems, 2016, 3, 572-584.e3.	2.9	261
195	Microbiomeâ€“Host Immune System Interactions. Seminars in Liver Disease, 2016, 36, 317-326.	1.8	21
196	Microbiota, regulatory T cell subsets, and allergic disorders. Allergo Journal International, 2016, 25, 114-123.	0.9	26
197	The role of the gut microbiota in food allergy. Current Opinion in Pediatrics, 2016, 28, 748-753.	1.0	79
198	Western diet induces a shift in microbiota composition enhancing susceptibility to Adherent-Invasive E. coli infection and intestinal inflammation.. Scientific Reports, 2016, 6, 19032.	1.6	328
199	Is There a Role for Diet in the Therapy of Rheumatoid Arthritis?. Current Rheumatology Reports, 2016, 18, 23.	2.1	42
200	Metabolism meets immunity: The role of free fatty acid receptors in the immune system. Biochemical Pharmacology, 2016, 114, 3-13.	2.0	197
201	Olfaction in the kidney: â€˜smellingâ€™ gut microbial metabolites. Experimental Physiology, 2016, 101, 478-481.	0.9	24
202	Antitumor activity of Dendrobium devonianum polysaccharides based on their immunomodulatory effects in S180 tumor-bearing mice. RSC Advances, 2016, 6, 40250-40257.	1.7	19
203	Gut microbiota, metabolites and host immunity. Nature Reviews Immunology, 2016, 16, 341-352.	10.6	2,212
204	Childhood allergies and asthma: New insights on environmental exposures and local immunity at the lung barrier. Current Opinion in Immunology, 2016, 42, 41-47.	2.4	25
206	Clostridia in the gut and onset of atopic dermatitis via eosinophilic inflammation. Annals of Allergy, Asthma and Immunology, 2016, 117, 91-92.e1.	0.5	57

#	Article	IF	Citations
207	A bug's view of allergic airways disease. Paediatric Respiratory Reviews, 2016, 19, 69-74.	1.2	2
208	Non-equivalence of Key Positively Charged Residues of the Free Fatty Acid 2 Receptor in the Recognition and Function of Agonist Versus Antagonist Ligands. Journal of Biological Chemistry, 2016, 291, 303-317.	1.6	49
209	Bronchiectasis: Current Concepts in Pathogenesis, Immunology, and Microbiology. Annual Review of Pathology: Mechanisms of Disease, 2016, 11, 523-554.	9.6	84
210	The respiratory microbiome: an underappreciated player inÂtheÂhuman response to inhaled pollutants?. Annals of Epidemiology, 2016, 26, 355-359.	0.9	55
211	SCFA Receptors in Pancreatic Î² Cells: Novel Diabetes Targets?. Trends in Endocrinology and Metabolism, 2016, 27, 653-664.	3.1	87
212	Digestive-resistant carbohydrates affect lipid metabolism in rats. Metabolomics, 2016, 12, 1.	1.4	6
213	Benefits of short-chain fatty acids and their receptors in inflammation and carcinogenesis. , 2016, 164, 144-151.		386
214	The healthy human microbiome. Genome Medicine, 2016, 8, 51.	3.6	1,214
215	Impact of early gut microbiota on immune and metabolic development and function. Seminars in Fetal and Neonatal Medicine, 2016, 21, 380-387.	1.1	83
216	Microbial metabolism of dietary components to bioactive metabolites: opportunities for new therapeutic interventions. Genome Medicine, 2016, 8, 46.	3.6	402
217	Regulation of immune cell function by shortâ€chain fatty acids. Clinical and Translational Immunology, 2016, 5, e73.	1.7	885
218	Antibiotic-Induced Changes in the Intestinal Microbiota and Disease. Trends in Molecular Medicine, 2016, 22, 458-478.	3.5	630
219	Regulatory T cells in allergic diseases. Journal of Allergy and Clinical Immunology, 2016, 138, 639-652.	1.5	272
220	An altered gut microbiota may trigger autoimmune-mediated acquired bone marrow failure syndromes. Clinical Immunology, 2016, 171, 62-64.	1.4	16
221	Microbiotaâ€”myeloid cell crosstalk beyond the gut. Journal of Leukocyte Biology, 2016, 100, 865-879.	1.5	76
222	Vitamin D and allergic airway disease shape the murine lung microbiome in a sex-specific manner. Respiratory Research, 2016, 17, 116.	1.4	28
223	Signals from the gut microbiota to distant organs in physiology and disease. Nature Medicine, 2016, 22, 1079-1089.	15.2	952
224	Diet and asthma: need to account for asthma type and level of prevention. Expert Review of Respiratory Medicine, 2016, 10, 1147-1150.	1.0	9

#	Article	IF	Citations
225	Ã‰lie Metchnikoff (1845â€“1916): celebrating 100 years of cellular immunology and beyond. Nature Reviews Immunology, 2016, 16, 651-656.	10.6	55
226	Randomised clinical study: inulin shortâ€chain fatty acid esters for targeted delivery of shortâ€chain fatty acids to the human colon. Alimentary Pharmacology and Therapeutics, 2016, 44, 662-672.	1.9	37
227	Environmental factors in autoimmune diseases and their role in multiple sclerosis. Cellular and Molecular Life Sciences, 2016, 73, 4611-4622.	2.4	82
229	The Effect of Microbiota and the Immune System on the Development and Organization of the Enteric Nervous System. Gastroenterology, 2016, 151, 836-844.	0.6	178
230	Metabolites: messengers between the microbiota and the immune system. Genes and Development, 2016, 30, 1589-1597.	2.7	321
231	Dendritic cells revisited in human allergic rhinitis andÂasthma. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 137-148.	2.7	33
232	Microbiota and host immune responses: a loveâ€“hate relationship. Immunology, 2016, 147, 1-10.	2.0	98
233	The interplay between microbiota and inflammation: lessons from peritonitis and sepsis. Clinical and Translational Immunology, 2016, 5, e90.	1.7	36
234	Disease Severity and Immune Activity Relate to Distinct Interkingdom Gut Microbiome States in Ethnically Distinct Ulcerative Colitis Patients. MBio, 2016, 7, .	1.8	90
235	Gut microbiota in renal physiology: focus on short-chain fatty acids and their receptors. Kidney International, 2016, 90, 1191-1198.	2.6	104
236	Antibiotic-Induced Gut Microbiota Disruption Decreases TNF-Î± Release by Mononuclear Cells in Healthy Adults. Clinical and Translational Gastroenterology, 2016, 7, e186.	1.3	18
237	Fat and vitamin intakes during pregnancy have stronger relations with a pro-inflammatory maternal microbiota than does carbohydrate intake. Microbiome, 2016, 4, 55.	4.9	101
238	Sasa quelpaertensis leaf extract regulates microbial dysbiosis by modulating the composition and diversity of the microbiota in dextran sulfate sodium-induced colitis mice. BMC Complementary and Alternative Medicine, 2016, 16, 481.	3.7	37
239	High-throughput sequencing technology to reveal the composition and function of cecal microbiota in Dagu chicken. BMC Microbiology, 2016, 16, 259.	1.3	73
240	Key Questions for Translation of FFA Receptors: From Pharmacology to Medicines. Handbook of Experimental Pharmacology, 2016, 236, 101-131.	0.9	31
241	Anti-Inflammatory and Insulin-Sensitizing Effects of Free Fatty Acid Receptors. Handbook of Experimental Pharmacology, 2016, 236, 221-231.	0.9	30
242	Lactobacillus reuteri and Staphylococcus aureus differentially influence the generation of monocyteâ€derived dendritic cells and subsequent autologous T cell responses. Immunity, Inflammation and Disease, 2016, 4, 315-326.	1.3	14
243	Advances in Gut Microbiome Research and Relevance to Pediatric Diseases. Journal of Pediatrics, 2016, 178, 16-23.	0.9	20

#	Article	IF	Citations
244	Linking microbiota and respiratory disease. FEBS Letters, 2016, 590, 3721-3738.	1.3	64
245	Microbiota, regulatory T cell subsets, and allergic disorders. Allergo Journal, 2016, 25, 16-25.	0.1	0
246	Food Fight: Role of Itaconate and Other Metabolites in Antimicrobial Defense. Cell Metabolism, 2016, 24, 379-387.	7.2	96
247	Class I PI3-kinase or Akt inhibition do not impair axonal polarization, but slow down axonal elongation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 2574-2583.	1.9	7
248	Chronic Infection and Severe Asthma. Immunology and Allergy Clinics of North America, 2016, 36, 483-502.	0.7	21
249	The Surface-Associated Exopolysaccharide of Bifidobacterium longum 35624 Plays an Essential Role in Dampening Host Proinflammatory Responses and Repressing Local T _H 17 Responses. Applied and Environmental Microbiology, 2016, 82, 7185-7196.	1.4	126
250	Polymorphic Variation in FFA Receptors: Functions and Consequences. Handbook of Experimental Pharmacology, 2016, 236, 133-158.	0.9	3
251	Associations between the gut microbiota and host immune markers in pediatric multiple sclerosis and controls. BMC Neurology, 2016, 16, 182.	0.8	91
252	Impact of 4-epi-oxytetracycline on the gut microbiota and blood metabolomics of Wistar rats. Scientific Reports, 2016, 6, 23141.	1.6	12
253	Short chain fatty acids induce UCP2-mediated autophagy in hepatic cells. Biochemical and Biophysical Research Communications, 2016, 480, 461-467.	1.0	32
254	Human and mouse monocytes display distinct signalling and cytokine profiles upon stimulation with FFAR2/FFAR3 short-chain fatty acid receptor agonists. Scientific Reports, 2016, 6, 34145.	1.6	69
255	Mice Fed a High-Fat Diet Supplemented with Resistant Starch Display Marked Shifts in the Liver Metabolome Concurrent with Altered Gut Bacteria. Journal of Nutrition, 2016, 146, 2476-2490.	1.3	44
256	The Airway Microbiome at Birth. Scientific Reports, 2016, 6, 31023.	1.6	139
257	The microbiota and chronic kidney diseases: a doubleâ€edged sword. Clinical and Translational Immunology, 2016, 5, e86.	1.7	62
258	FFA2 and FFA3 in Metabolic Regulation. Handbook of Experimental Pharmacology, 2016, 236, 205-220.	0.9	29
259	Butyrate inhibits interleukin-17 and generates Tregs to ameliorate colorectal colitis in rats. BMC Gastroenterology, 2016, 16, 84.	0.8	166
260	The rich and the poor: environmental biodiversity protecting from allergy. Current Opinion in Allergy and Clinical Immunology, 2016, 16, 421-426.	1.1	29
261	The microbiome in asthma. Current Opinion in Pediatrics, 2016, 28, 764-771.	1.0	57

#	Article	IF	Citations
262	Accounting for reciprocal hostâ€“microbiome interactions in experimental science. Nature, 2016, 534, 191-199.	13.7	205
263	Regulating inflammation with microbial metabolites. Nature Medicine, 2016, 22, 581-583.	15.2	61
264	Nutrition, Diet, and Allergic Diseases. , 2016, , 553-558.		0
265	Nutraceuticals in Respiratory Disorders. , 2016, , 75-86.		11
266	New insights into therapeutic strategies for gut microbiota modulation in inflammatory diseases. Clinical and Translational Immunology, 2016, 5, e87.	1.7	85
267	The Lung Microbiome, Immunity, and the Pathogenesis of Chronic Lung Disease. Journal of Immunology, 2016, 196, 4839-4847.	0.4	291
268	Allergy and Asthma. , 2016, , .		7
269	Translational aspects of the microbiomeâ€”to be exploited. Cell Biology and Toxicology, 2016, 32, 153-156.	2.4	23
270	Diets containing different fermentable substrates can affect mucosal and systemic immune parameters in rats under homeostatic conditions. Journal of Functional Foods, 2016, 20, 422-432.	1.6	1
271	The Colonic Crypt Protects Stem Cells from Microbiota-Derived Metabolites. Cell, 2016, 165, 1708-1720.	13.5	484
272	From Dietary Fiber to Host Physiology: Short-Chain Fatty Acids as Key Bacterial Metabolites. Cell, 2016, 165, 1332-1345.	13.5	3,962
273	Differential gene network analysis for the identification of asthma-associated therapeutic targets in allergen-specific T-helper memory responses. BMC Medical Genomics, 2016, 9, 9.	0.7	38
274	Emerging evidence of the role of gut microbiota in the development of allergic diseases. Current Opinion in Allergy and Clinical Immunology, 2016, 16, 390-395.	1.1	74
275	Host parasite communicationsâ€”Messages from helminths for the immune system. Molecular and Biochemical Parasitology, 2016, 208, 33-40.	0.5	104
276	An essential role of Ffar2 (Gpr43) in dietary fibre-mediated promotion of healthy composition of gut microbiota and suppression of intestinal carcinogenesis. Oncogenesis, 2016, 5, e238-e238.	2.1	106
277	The Relationship between Dietary Fiber Intake and Lung Function in the National Health and Nutrition Examination Surveys. Annals of the American Thoracic Society, 2016, 13, 643-650.	1.5	49
278	Allergies and Asthma: Do Atopic Disorders Result from Inadequate Immune Homeostasis arising from Infant Gut Dysbiosis?. Expert Review of Clinical Immunology, 2016, 12, 379-388.	1.3	39
279	The microbial environment and its influence on asthma prevention in early life. Journal of Allergy and Clinical Immunology, 2016, 137, 680-689.	1.5	162

#	Article	IF	Citations
280	Precision respiratory medicine and the microbiome. Lancet Respiratory Medicine,the, 2016, 4, 73-82.	5.2	27
281	Control of Klebsiella pneumoniae pulmonary infection and immunomodulation by oral treatment with the commensal probiotic Bifidobacterium longum 51A. Microbes and Infection, 2016, 18, 180-189.	1.0	111
282	Presence of commensal house dust mite allergen in human gastrointestinal tract: a potential contributor to intestinal barrier dysfunction. Gut, 2016, 65, 757-766.	6.1	64
283	Microbiota Promotes Chronic Pulmonary Inflammation by Enhancing IL-17A and Autoantibodies. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 975-987.	2.5	138
284	Molecular mechanisms of target recognition by lipid GPCRs: relevance for cancer. Oncogene, 2016, 35, 4021-4035.	2.6	17
285	The diet-microbiota-metabolite axis regulates the host physiology. Journal of Biochemistry, 2016, 160, 1-10.	0.9	21
286	Long-term effects of early life microbiota disturbance on adaptive immunity in laying hens. Poultry Science, 2016, 95, 1543-1554.	1.5	63
287	Maternal exposure to <scp>GOS</scp>/inulin mixture prevents food allergies and promotes tolerance in offspring in mice. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 68-76.	2.7	46
288	Indigenous microbiota and Leishmaniasis. Parasite Immunology, 2016, 38, 37-44.	0.7	21
289	Host-microbiome interactions in acute and chronic respiratory infections. Cellular Microbiology, 2016, 18, 652-662.	1.1	35
290	Obesity, Asthma, and the Microbiome. Physiology, 2016, 31, 108-116.	1.6	26
291	Butyrate production from high-fiber diet protects against lymphoma tumor. Leukemia and Lymphoma, 2016, 57, 2401-2408.	0.6	70
292	Gut Microbiota Predict Pulmonary Infiltrates after Allogeneic Hematopoietic Cell Transplantation. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 450-463.	2.5	95
293	Mechanisms of Asthma in Obesity. Pleiotropic Aspects of Obesity Produce Distinct Asthma Phenotypes. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 601-608.	1.4	122
294	Chronically Elevated Levels of Short-Chain Fatty Acids Induce T Cellâ€“Mediated Ureteritis and Hydronephrosis. Journal of Immunology, 2016, 196, 2388-2400.	0.4	135
295	Gut Microbiome, Obesity, and Metabolic Syndrome. , 2016, , 447-459.		4
296	Microbes and asthma: Opportunities for intervention. Journal of Allergy and Clinical Immunology, 2016, 137, 690-697.	1.5	68
297	Impact du microbiote intestinal sur le dÃ©veloppement des allergies. Revue Francaise D'allergologie, 2016, 56, 133-134.	0.1	1

#	Article	IF	Citations
298	Obesity and Asthma: Microbiomeâ€“Metabolome Interactions. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 609-617.	1.4	73
299	Regulation of Vascular and Renal Function by Metabolite Receptors. Annual Review of Physiology, 2016, 78, 391-414.	5.6	32
300	Prebiotics: why definitions matter. Current Opinion in Biotechnology, 2016, 37, 1-7.	3.3	326
301	Faecalibacterium prausnitzii subspeciesâ€“level dysbiosis in the human gut microbiome underlying atopic dermatitis. Journal of Allergy and Clinical Immunology, 2016, 137, 852-860.	1.5	292
302	Introduction: Gastroinstestinal System and Colorectal Cancer. , 2016, , 1-14.		0
303	Interactions between the intestinal microbiome and helminth parasites. Parasite Immunology, 2016, 38, 5-11.	0.7	150
304	The Microbiome and the Respiratory Tract. Annual Review of Physiology, 2016, 78, 481-504.	5.6	622
305	Short-Chain Fatty Acids. , 2016, , 97-115.		7
306	The gut microbiota plays a protective role in the host defence against pneumococcal pneumonia. Gut, 2016, 65, 575-583.	6.1	601
307	Probiotics and Bioactive Carbohydrates in Colon Cancer Management. , 2016, , .		5
308	How does your kidney smell? Emerging roles for olfactory receptors in renal function. Pediatric Nephrology, 2016, 31, 715-723.	0.9	29
309	The Gutâ€“Liverâ€“Lung Axis. Modulation of the Innate Immune Response and Its Possible Role in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 161-169.	1.4	81
310	The development of allergic inflammation in a murine house dust mite asthma model is suppressed by synbiotic mixtures of non-digestible oligosaccharides and Bifidobacterium breve M-16V. European Journal of Nutrition, 2016, 55, 1141-1151.	1.8	30
311	FUT2-dependent breast milk oligosaccharides and allergy at 2 and 5Âyears of age in infants with high hereditary allergy risk. European Journal of Nutrition, 2017, 56, 1293-1301.	1.8	97
312	Gut microbiota and hematopoietic stem cell transplantation: where do we stand?. Bone Marrow Transplantation, 2017, 52, 7-14.	1.3	44
313	Complex Pharmacology of Free Fatty Acid Receptors. Chemical Reviews, 2017, 117, 67-110.	23.0	209
314	Diet-Derived Short Chain Fatty Acids Stimulate Intestinal Epithelial Cells To Induce Mucosal Tolerogenic Dendritic Cells. Journal of Immunology, 2017, 198, 2172-2181.	0.4	172
315	Microbiomes in respiratory health and disease: An Asiaâ€Pacific perspective. Respirology, 2017, 22, 240-250.	1.3	88

#	Article	IF	Citations
316	Splenic T cell and intestinal IgA responses after supplementation of soluble arabinoxylan-enriched wheat bran in mice. Journal of Functional Foods, 2017, 28, 246-253.	1.6	10
317	Burn injury influences the T cell homeostasis in a butyrate-acid sphingomyelinase dependent manner. Cellular Immunology, 2017, 313, 25-31.	1.4	13
318	Microbiome-Modulated Metabolites at the Interface of Host Immunity. Journal of Immunology, 2017, 198, 572-580.	0.4	282
319	The Influence of the Microbiome on Allergic Sensitization to Food. Journal of Immunology, 2017, 198, 581-589.	0.4	92
320	Embracing the gut microbiota: the new frontier for inflammatory and infectious diseases. Clinical and Translational Immunology, 2017, 6, e125.	1.7	90
321	Microbes and Cancer. Annual Review of Immunology, 2017, 35, 199-228.	9.5	202
322	A novel LCMSMS method for quantitative measurement of short-chain fatty acids in human stool derivatized with 12 C- and 13 C-labelled aniline. Journal of Pharmaceutical and Biomedical Analysis, 2017, 138, 43-53.	1.4	75
323	Bacterial short-chain fatty acid metabolites modulate the inflammatory response against infectious bacteria. Cellular Microbiology, 2017, 19, e12720.	1.1	59
324	Asthma and the microbiome: defining the critical window in early life. Allergy, Asthma and Clinical Immunology, 2017, 13, 3.	0.9	131
325	The effect of dietary components on inflammatory lung diseases â€“ a literature review. International Journal of Food Sciences and Nutrition, 2017, 68, 771-787.	1.3	19
326	The Role of the Immune System in Metabolic Health and Disease. Cell Metabolism, 2017, 25, 506-521.	7.2	223
327	SYN-004 (ribaxamase), an oral beta-lactamase, mitigates antibiotic-mediated dysbiosis in a porcine gut microbiome model. Journal of Applied Microbiology, 2017, 123, 66-79.	1.4	29
328	The Challenges of Precision Medicine in COPD. Molecular Diagnosis and Therapy, 2017, 21, 345-355.	1.6	37
329	The microbiome in allergic disease: Current understanding and future opportunitiesâ€”2017 PRACTALL document of the American Academy of Allergy, Asthma & Immunology and the European Academy of Allergy and Clinical Immunology. Journal of Allergy and Clinical Immunology, 2017, 139, 1099-1110.	1.5	264
330	Resistant starch can improve insulin sensitivity independently of the gut microbiota. Microbiome, 2017, 5, 12.	4.9	113
331	Dysbiosis and the immune system. Nature Reviews Immunology, 2017, 17, 219-232.	10.6	1,102
332	Gut Microbiome and Colon Cancer: Role of Bacterial Metabolites and Their Molecular Targets in the Host. Current Colorectal Cancer Reports, 2017, 13, 111-118.	1.0	23
333	Diets link metabolic syndrome and colorectal cancer development. Oncology Reports, 2017, 37, 1312-1320.	1.2	20

#	Article	IF	Citations
334	Influence of diet on the gut microbiome and implications for human health. Journal of Translational Medicine, 2017, 15, 73.	1.8	1,714
335	The microbiome in mechanically ventilated patients. Current Opinion in Infectious Diseases, 2017, 30, 208-213.	1.3	27
336	Moutan Cortex and Paeoniae Radix Rubra reverse high-fat-diet-induced metabolic disorder and restore gut microbiota homeostasis. Chinese Journal of Natural Medicines, 2017, 15, 210-219.	0.7	9
337	Dietary short-chain fatty acids protect against type 1 diabetes. Nature Immunology, 2017, 18, 484-486.	7.0	45
338	Regionalized Development and Maintenance of the Intestinal Adaptive Immune Landscape. Immunity, 2017, 46, 532-548.	6.6	147
339	Lung Homeostasis: Influence of Age, Microbes, and the Immune System. Immunity, 2017, 46, 549-561.	6.6	196
340	Homeostatic Immunity and the Microbiota. Immunity, 2017, 46, 562-576.	6.6	840
341	Early life factors that affect allergy development. Nature Reviews Immunology, 2017, 17, 518-528.	10.6	113
342	Addressing unmet needs in understanding asthma mechanisms. European Respiratory Journal, 2017, 49, 1602448.	3.1	47
343	Metabolite-Sensing G Proteinâ€“Coupled Receptorsâ€”Facilitators of Diet-Related Immune Regulation. Annual Review of Immunology, 2017, 35, 371-402.	9.5	235
344	Dietary Supplementation With Nonfermentable Fiber Alters the Gut Microbiota and Confers Protection in Murine Models of Sepsis. Critical Care Medicine, 2017, 45, e516-e523.	0.4	54
345	Understanding the Holobiont: How Microbial Metabolites Affect Human Health and Shape the Immune System. Cell Metabolism, 2017, 26, 110-130.	7.2	572
346	Workshop Report: Modulation of Antitumor Immune Responses by Dietary and Microbial Metabolites. Journal of the National Cancer Institute, 2017, 109, .	3.0	7
347	Coupling Targeted and Untargeted Mass Spectrometry for Metabolome-Microbiome-Wide Association Studies of Human Fecal Samples. Analytical Chemistry, 2017, 89, 7549-7559.	3.2	62
348	Turning the tide in myelodysplastic/myeloproliferative neoplasms. Nature Reviews Cancer, 2017, 17, 425-440.	12.8	117
349	Butyrate and retinoic acid imprint mucosal-like dendritic cell development synergistically from bone marrow cells. Clinical and Experimental Immunology, 2017, 189, 290-297.	1.1	18
350	An Official American Thoracic Society Workshop Report: Obesity and Metabolism. An Emerging Frontier in Lung Health and Disease. Annals of the American Thoracic Society, 2017, 14, 1050-1059.	1.5	45
351	The interplay between host immune cells and gut microbiota in chronic inflammatory diseases. Experimental and Molecular Medicine, 2017, 49, e339-e339.	3.2	146

#	Article	IF	Citations
352	Gut microbiota and host defense in critical illness. Current Opinion in Critical Care, 2017, 23, 257-263.	1.6	43
353	Airway microbial dysbiosis in asthmatic patients: AÂtarget for prevention and treatment?. Journal of Allergy and Clinical Immunology, 2017, 139, 1071-1081.	1.5	124
354	Microbial Short-Chain Fatty Acids and Blood Pressure Regulation. Current Hypertension Reports, 2017, 19, 25.	1.5	201
355	Short-chain fatty acids, GPR41 and GPR43 ligands, inhibit TNF-Î±-induced MCP-1 expression by modulating p38 and JNK signaling pathways in human renal cortical epithelial cells. Biochemical and Biophysical Research Communications, 2017, 486, 499-505.	1.0	127
356	Microbiome effects on immunity, health and disease in the lung. Clinical and Translational Immunology, 2017, 6, e133.	1.7	225
357	Anaerobic Bacterial Fermentation Products Increase Tuberculosis Risk in Antiretroviral-Drug-Treated HIV Patients. Cell Host and Microbe, 2017, 21, 530-537.e4.	5.1	95
358	Macrophages in gastrointestinal homeostasis and inflammation. Pflugers Archiv European Journal of Physiology, 2017, 469, 527-539.	1.3	129
359	The intestinal microenvironment in sepsis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2574-2583.	1.8	108
360	Lactobacillus johnsonii supplementation attenuates respiratory viral infection via metabolic reprogramming and immune cell modulation. Mucosal Immunology, 2017, 10, 1569-1580.	2.7	75
361	Microbiota: a key orchestrator of cancer therapy. Nature Reviews Cancer, 2017, 17, 271-285.	12.8	699
362	Nutritional control of IL-23/Th17-mediated autoimmune disease through HO-1/STAT3 activation. Scientific Reports, 2017, 7, 44482.	1.6	28
363	Metabolites: deciphering the molecular language between DCs and their environment. Seminars in Immunopathology, 2017, 39, 177-198.	2.8	10
364	Planting the seed: Origins, composition, and postnatal health significance of the fetal gastrointestinal microbiota. Critical Reviews in Microbiology, 2017, 43, 352-369.	2.7	124
365	Biology of the Microbiome 1. Gastroenterology Clinics of North America, 2017, 46, 19-35.	1.0	33
366	Sensing of the microbiota by NOD1 in mesenchymal stromal cells regulates murine hematopoiesis. Blood, 2017, 129, 171-176.	0.6	98
367	The respiratory tract microbiome and lung inflammation: a two-way street. Mucosal Immunology, 2017, 10, 299-306.	2.7	338
368	Microbiota metabolite short-chain fatty acid acetate promotes intestinal IgA response to microbiota which is mediated by GPR43. Mucosal Immunology, 2017, 10, 946-956.	2.7	323
369	Antibiotic-induced gut microbiota disruption during human endotoxemia: a randomised controlled study. Gut, 2017, 66, 1623-1630.	6.1	69

#	Article	IF	Citations
370	Associations between acute gastrointestinal GvHD and the baseline gut microbiota of allogeneic hematopoietic stem cell transplant recipients and donors. Bone Marrow Transplantation, 2017, 52, 1643-1650.	1.3	63
371	Intestinal Microbiota and Bone Health: The Role of Prebiotics, Probiotics, and Diet. Molecular and Integrative Toxicology, 2017, , 417-443.	0.5	8
372	Maternal High Fiber Diet during Pregnancy and Lactation Influences Regulatory T Cell Differentiation in Offspring in Mice. Journal of Immunology, 2017, 199, 3516-3524.	0.4	93
373	Role of microbiota on lung homeostasis and diseases. Science China Life Sciences, 2017, 60, 1407-1415.	2.3	53
374	The maternal microbiome during pregnancy and allergic disease in the offspring. Seminars in Immunopathology, 2017, 39, 669-675.	2.8	80
375	Î²-Hydroxybutyrate: A Signaling Metabolite. Annual Review of Nutrition, 2017, 37, 51-76.	4.3	478
376	Severe therapy resistant asthma in children: translational approaches to uncover sub-phenotypes. Expert Review of Respiratory Medicine, 2017, 11, 867-874.	1.0	14
377	Deciphering interactions between the gut microbiota and the immune system via microbial cultivation and minimal microbiomes. Immunological Reviews, 2017, 279, 8-22.	2.8	101
378	Regulation of Inflammatory Signaling in Health and Disease. Advances in Experimental Medicine and Biology, 2017, , .	0.8	7
379	Microbial Factors in Inflammatory Diseases and Cancers. Advances in Experimental Medicine and Biology, 2017, 1024, 153-174.	0.8	20
380	The immunology of the allergy epidemic and the hygiene hypothesis. Nature Immunology, 2017, 18, 1076-1083.	7.0	282
381	Short chain fatty acids ameliorate immune-mediated uveitis partially by altering migration of lymphocytes from the intestine. Scientific Reports, 2017, 7, 11745.	1.6	111
382	Antibiotic treatment for Tuberculosis induces a profound dysbiosis of the microbiome that persists long after therapy is completed. Scientific Reports, 2017, 7, 10767.	1.6	148
383	In vivo probiotic and antimicrobial photodynamic therapy as alternative therapies against cryptococcosis are ineffective. Veterinary Microbiology, 2017, 211, 169-173.	0.8	5
384	Mechanistic insight into the function of the microbiome in lung diseases. European Respiratory Journal, 2017, 50, 1602467.	3.1	84
385	The Role of the Indigenous Gut Microbiota in Human Health and Disease. Advances in Environmental Microbiology, 2017, , 75-104.	0.1	1
386	Infection and Immunity Welcomes the New Microbiology. Infection and Immunity, 2017, 85, .	1.0	3
387	Myeloid suppressor cells in cancer and autoimmunity. Journal of Autoimmunity, 2017, 85, 117-125.	3.0	154

#	Article	IF	Citations
388	Comparison of Fecal Microbial Composition and Antibiotic Resistance Genes from Swine, Farm Workers and the Surrounding Villagers. Scientific Reports, 2017, 7, 4965.	1.6	18
389	The human microbiome. Advances in Medical Sciences, 2017, 62, 414-420.	0.9	140
390	Microbiome and metabolome data integration provides insight into health and disease. Translational Research, 2017, 189, 51-64.	2.2	58
391	II. Topic Sessions. Pediatric Pulmonology, 2017, 52, S32-S93.	1.0	4
392	Short-chain fatty acids, prebiotics, synbiotics, and systemic inflammation: a systematic review and meta-analysis. American Journal of Clinical Nutrition, 2017, 106, 930-945.	2.2	196
393	Gut microbiome response to shortâ€term dietary interventions in reactive hypoglycemia subjects. Diabetes/Metabolism Research and Reviews, 2017, 33, e2927.	1.7	14
394	Citrus pectin attenuates endotoxin shock via suppression of Toll-like receptor signaling in Peyer's patch myeloid cells. Journal of Nutritional Biochemistry, 2017, 50, 38-45.	1.9	59
395	Murine models for mucosal tolerance in allergy. Seminars in Immunology, 2017, 30, 12-27.	2.7	12
396	The microbial metabolite desaminotyrosine protects from influenza through type I interferon. Science, 2017, 357, 498-502.	6.0	391
397	Signatures in the gut microbiota of Japanese infants who developed food allergies in early childhood. FEMS Microbiology Ecology, 2017, 93, .	1.3	35
398	Exploring the microbiome in health and disease. Toxicology Research and Application, 2017, 1, 239784731774188.	0.7	36
399	Chairâ€™s Summary: Obesity and Associated Changes in Metabolism, Implications for Lung Diseases. Annals of the American Thoracic Society, 2017, 14, S314-S315.	1.5	5
400	Microbial Insights into Asthmatic Immunopathology. A Forward-Looking Synthesis and Commentary. Annals of the American Thoracic Society, 2017, 14, S316-S325.	1.5	5
401	The role of the microbiome in childhood asthma. Immunotherapy, 2017, 9, 1295-1304.	1.0	8
402	Does Modification of the Large Intestinal Microbiome Contribute to the Anti-inflammatory Activity of Fermentable Fiber?. Current Developments in Nutrition, 2017, 2, cdn.117.001180.	0.1	6
403	Diet, Lung Function, and Asthma Exacerbations in Puerto Rican Children. Pediatric, Allergy, Immunology, and Pulmonology, 2017, 30, 202-209.	0.3	25
404	Diet, Obesity, and Asthma. Annals of the American Thoracic Society, 2017, 14, S332-S338.	1.5	61
405	Role of innate lymphoid cells in obesity and metabolic disease (Review). Molecular Medicine Reports, 2018, 17, 1403-1412.	1.1	16

#	Article	IF	Citations
406	Blockade of CB1 cannabinoid receptor alters gut microbiota and attenuates inflammation and diet-induced obesity. Scientific Reports, 2017, 7, 15645.	1.6	116
407	Dietary Fructo-Oligosaccharides Attenuate Early Activation of CD4⁺ T Cells Which Produce both Th1 and Th2 Cytokines in the Intestinal Lymphoid Tissues of a Murine Food Allergy Model. International Archives of Allergy and Immunology, 2017, 174, 121-132.	0.9	25
408	Highlights in immune response, microbiome and precision medicine in allergic disease and asthma. Current Opinion in Immunology, 2017, 48, iv-ix.	2.4	15
409	Progress in the understanding of the pathology of allergic asthma and the potential of fruit proanthocyanidins as modulators of airway inflammation. Food and Function, 2017, 8, 4315-4324.	2.1	29
410	Dietary Impacts on the Composition of Microbiota in Human Health and Disease. , 2017, , 377-404.		0
411	Butyrate and propionate inhibit antigen-specific CD8+ T cell activation by suppressing IL-12 production by antigen-presenting cells. Scientific Reports, 2017, 7, 14516.	1.6	77
412	Holistic View on Health: Two Protective Layers of Biodiversity. Annales Zoologici Fennici, 2017, 54, 39-49.	0.2	35
413	The influence of the commensal microbiota on distal tumor-promoting inflammation. Seminars in Immunology, 2017, 32, 62-73.	2.7	24
414	Gut microbiome, metabolome, and allergic diseases. Allergology International, 2017, 66, 523-528.	1.4	70
416	The microbiome and transfusion in cancer patients. Transfusion and Apheresis Science, 2017, 56, 330-335.	0.5	10
417	Role of microbiome in the pathophysiology and disease course of asthma. Current Opinion in Pulmonary Medicine, 2017, 23, 41-47.	1.2	33
418	Persistent asthma phenotype related with late-onset, high atopy, and low socioeconomic status in school-aged Korean children. BMC Pulmonary Medicine, 2017, 17, 45.	0.8	24
419	The remedy within: will the microbiome fulfill its therapeutic promise?. Journal of Molecular Medicine, 2017, 95, 1021-1027.	1.7	30
420	The nutritionâ€gut microbiomeâ€physiology axis and allergic diseases. Immunological Reviews, 2017, 278, 277-295.	2.8	223
421	An exposome perspective: Early-life events and immune development in a changing world. Journal of Allergy and Clinical Immunology, 2017, 140, 24-40.	1.5	149
422	Features of the bronchial bacterial microbiome associated with atopy, asthma, and responsiveness to inhaled corticosteroid treatment. Journal of Allergy and Clinical Immunology, 2017, 140, 63-75.	1.5	222
423	Gut microbiota modulate host immune cells in cancer development and growth. Free Radical Biology and Medicine, 2017, 105, 28-34.	1.3	24
424	Gut microbial metabolism defines host metabolism: an emerging perspective in obesity and allergic inflammation. Obesity Reviews, 2017, 18, 18-31.	3.1	93

#	Article	IF	Citations
425	Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens. Poultry Science, 2017, 96, 1280-1289.	1.5	45
426	Coexistence of obesity and asthma determines a distinct respiratory metabolic phenotype. Journal of Allergy and Clinical Immunology, 2017, 139, 1536-1547.e5.	1.5	70
427	The microbiome-metabolome crosstalk in the pathogenesis of respiratory fungal diseases. Virulence, 2017, 8, 673-684.	1.8	25
428	Antibiotic-mediated modification of the intestinal microbiome in allogeneic hematopoietic stem cell transplantation. Bone Marrow Transplantation, 2017, 52, 183-190.	1.3	50
429	Environmental and mucosal microbiota and their role in childhood asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 109-119.	2.7	94
430	Dietary fiber and the short-chain fatty acid acetate promote resolution of neutrophilic inflammation in a model of gout in mice. Journal of Leukocyte Biology, 2017, 101, 275-284.	1.5	104
431	Nutrients, phytochemicals and antioxidant activities of 26 kidney bean cultivars. Food and Chemical Toxicology, 2017, 108, 467-477.	1.8	63
432	Soluble Dietary Fiber Ameliorates Radiationâ€Induced Intestinal Epithelialâ€toâ€Mesenchymal Transition and Fibrosis. Journal of Parenteral and Enteral Nutrition, 2017, 41, 1399-1410.	1.3	28
433	The Origins of Allergic Disease. , 2017, , 29-50.		3
434	D-tryptophan from probiotic bacteria influences the gut microbiome and allergic airway disease. Journal of Allergy and Clinical Immunology, 2017, 139, 1525-1535.	1.5	119
435	Emerging pathogenic links between microbiota and the gutâ€“lung axis. Nature Reviews Microbiology, 2017, 15, 55-63.	13.6	950
436	Microbiota metabolite short chain fatty acids, GPCR, and inflammatory bowel diseases. Journal of Gastroenterology, 2017, 52, 1-8.	2.3	632
437	The Short-Chain Fatty Acid Sodium Butyrate Functions as a Regulator of the Skin Immune System. Journal of Investigative Dermatology, 2017, 137, 855-864.	0.3	147
438	Oral Administration of a Select Mixture of Bacillus Probiotics Affects the Gut Microbiota and Goblet Cell Function following Escherichia coli Challenge in Newly Weaned Pigs of Genotype MUC4 That Are Supposed To Be Enterotoxigenic E. coli F4ab/ac Receptor Negative. Applied and Environmental Microbiology, 2017, 83, .	1.4	101
439	Microbiome, metabolites and host immunity. Current Opinion in Microbiology, 2017, 35, 8-15.	2.3	334
440	Enteric immunity, the gut microbiome, and sepsis: Rethinking the germ theory of disease. Experimental Biology and Medicine, 2017, 242, 127-139.	1.1	51
441	Good and Bad Farming: The Right Microbiome Protects from Allergy. Birkhauser Advances in Infectious Diseases, 2017, , 51-68.	0.3	1
442	Allergy and Inflammation. , 2017, , 995-1030.		0

#	Article	IF	Citations
443	è…‚å†…ç´°èŒè„„è³ªä»»è¬ç”£ç‰©ã«ã¦è¦‹ã‚‰ã‚Œã‚‹è…‚ç®¡ãƒ•ãƒ©ãƒ¼ã,¢ä¿è·æ©Ÿèƒ½½. Kagaku To Seibutsu, 2017, 55, 278-284.	0.8	0
444	The female urinary microbiota, urinary health and common urinary disorders. Annals of Translational Medicine, 2017, 5, 34-34.	0.7	94
446	Probiotics in Asthma and Allergy Prevention. Frontiers in Pediatrics, 2017, 5, 165.	0.9	55
447	Gut microbiota–derived short-chain fatty acids and kidney diseases. Drug Design, Development and Therapy, 2017, Volume 11, 3531-3542.	2.0	108
448	Extracellular Vesicles, a Key Mediator to Link Environmental Microbiota to Airway Immunity. Allergy, Asthma and Immunology Research, 2017, 9, 101.	1.1	22
449	Insight into role of microbiota-gut-brain peptides as a target for biotechnology innovations. Frontiers in Bioscience - Elite, 2017, 9, 76-88.	0.9	4
450	The Interactive Roles of Lipopolysaccharides and dsRNA/Viruses on Respiratory Epithelial Cells and Dendritic Cells in Allergic Respiratory Disorders: The Hygiene Hypothesis. International Journal of Molecular Sciences, 2017, 18, 2219.	1.8	17
451	Diet Hypotheses in Light of the Microbiota Revolution: New Perspectives. Nutrients, 2017, 9, 537.	1.7	25
452	Diet and Asthma: Is It Time to Adapt Our Message?. Nutrients, 2017, 9, 1227.	1.7	141
453	Nutrition and Allergic Diseases. Nutrients, 2017, 9, 762.	1.7	25
454	Soluble Fibre Meal Challenge Reduces Airway Inflammation and Expression of GPR43 and GPR41 in Asthma. Nutrients, 2017, 9, 57.	1.7	127
455	Plant-Based Diets and Asthma. , 2017, , 483-491.		2
456	Obesity and Asthma: A Missing Link. International Journal of Molecular Sciences, 2017, 18, 1490.	1.8	47
457	Dietary Corn Bran Fermented by Bacillus subtilis MA139 Decreased Gut Cellulolytic Bacteria and Microbiota Diversity in Finishing Pigs. Frontiers in Cellular and Infection Microbiology, 2017, 7, 526.	1.8	59
458	A Specific Mixture of Fructo-Oligosaccharides and Bifidobacterium breve M-16V Facilitates Partial Non-Responsiveness to Whey Protein in Mice Orally Exposed to Î²-Lactoglobulin-Derived Peptides. Frontiers in Immunology, 2016, 7, 673.	2.2	18
459	The Influence of the Microbiome on Early-Life Severe Viral Lower Respiratory Infections and Asthmaâ€"Food for Thought?. Frontiers in Immunology, 2017, 8, 156.	2.2	40
460	Microbe-Induced Inflammatory Signals Triggering Acquired Bone Marrow Failure Syndromes. Frontiers in Immunology, 2017, 8, 186.	2.2	13
461	Nutrient and Metabolic Sensing in T Cell Responses. Frontiers in Immunology, 2017, 8, 247.	2.2	82

#	Article	IF	Citations
462	The Maternal Diet, Gut Bacteria, and Bacterial Metabolites during Pregnancy Influence Offspring Asthma. Frontiers in Immunology, 2017, 8, 365.	2.2	74
463	Detrimental Impact of Microbiota-Accessible Carbohydrate-Deprived Diet on Gut and Immune Homeostasis: An Overview. Frontiers in Immunology, 2017, 8, 548.	2.2	114
464	The Impact of Western Diet and Nutrients on the Microbiota and Immune Response at Mucosal Interfaces. Frontiers in Immunology, 2017, 8, 838.	2.2	349
465	The Microbial Metabolite Butyrate Induces Expression of Th1-Associated Factors in CD4+ T Cells. Frontiers in Immunology, 2017, 8, 1036.	2.2	193
466	Early-Life Nutritional Factors and Mucosal Immunity in the Development of Autoimmune Diabetes. Frontiers in Immunology, 2017, 8, 1219.	2.2	29
467	Improved Efficacy of Oral Immunotherapy Using Non-Digestible Oligosaccharides in a Murine Cowâ€™s Milk Allergy Model: A Potential Role for Foxp3+ Regulatory T Cells. Frontiers in Immunology, 2017, 8, 1230.	2.2	33
468	Dietary Intervention with Î²-Lactoglobulin-Derived Peptides and a Specific Mixture of Fructo-Oligosaccharides and Bifidobacterium breve M-16V Facilitates the Prevention of Whey-Induced Allergy in Mice by Supporting a Tolerance-Prone Immune Environment. Frontiers in Immunology, 2017, 8, 1303.	2.2	17
469	The Immune System Bridges the Gut Microbiota with Systemic Energy Homeostasis: Focus on TLRs, Mucosal Barrier, and SCFAs. Frontiers in Immunology, 2017, 8, 1353.	2.2	134
470	Butyrate Conditions Human Dendritic Cells to Prime Type 1 Regulatory T Cells via both Histone Deacetylase Inhibition and G Protein-Coupled Receptor 109A Signaling. Frontiers in Immunology, 2017, 8, 1429.	2.2	120
471	Prophylactic Supplementation of Bifidobacterium longum 51A Protects Mice from Ovariectomy-Induced Exacerbated Allergic Airway Inflammation and Airway Hyperresponsiveness. Frontiers in Microbiology, 2017, 8, 1732.	1.5	27
472	Dietary and Microbial Metabolites in the Regulation of Host Immunity. Frontiers in Microbiology, 2017, 8, 2171.	1.5	87
473	The Impact of Microbiota-Gut-Brain Axis on Diabetic Cognition Impairment. Frontiers in Aging Neuroscience, 2017, 9, 106.	1.7	39
474	Desired Turbulence? Gut-Lung Axis, Immunity, and Lung Cancer. Journal of Oncology, 2017, 2017, 1-15.	0.6	171
475	The dual role of short fatty acid chains in the pathogenesis of autoimmune disease models. PLoS ONE, 2017, 12, e0173032.	1.1	172
476	Maternal treatment with short-chain fatty acids modulates the intestinal microbiota and immunity and ameliorates type 1 diabetes in the offspring. PLoS ONE, 2017, 12, e0183786.	1.1	46
477	Effects of urban coarse particles inhalation on oxidative and inflammatory parameters in the mouse lung and colon. Particle and Fibre Toxicology, 2017, 14, 46.	2.8	49
478	Are Short Chain Fatty Acids in Gut Microbiota Defensive Players for Inflammation and Atherosclerosis?. Journal of Atherosclerosis and Thrombosis, 2017, 24, 660-672.	0.9	366
479	The Effect of Infant Allergen/Immunogen Exposure on Long-Term Health. , 2017, , 131-173.		3

#	Article	IF	Citations
480	The Influence of Fiber on Gut Microbiota: Butyrate as Molecular Player Involved in theÂBeneficial Interplay BetweenÂDietary Fiber and Cardiovascular Health. , 2017, , 61-71.		4
481	A Viewpoint on the Leaky Gut Syndrome to Treat Allergic Asthma: A Novel Opinion. Journal of Evidence-Based Complementary & Alternative Medicine, 2017, 22, 378-380.	1.5	14
482	Intestinal Microbiota, Nonalcoholic Steatohepatitis and Hepatocellular Carcinoma: The Potential Role of Dysbiosis in the Hepatocarcinogenesis. , 0, , .		0
483	A Cross-Talk Between Microbiota-Derived Short-Chain Fatty Acids and the Host Mucosal Immune System Regulates Intestinal Homeostasis and Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2018, 24, 558-572.	0.9	276
484	Evaluation of the health benefits of consumption of extruded tannin sorghum with unfermented probiotic milk in individuals with chronic kidney disease. Food Research International, 2018, 107, 629-638.	2.9	37
485	The Role of the Microbiome in the Developmental Origins of Health and Disease. Pediatrics, 2018, 141, .	1.0	246
487	Antidiabetic Mechanism of Dietary Polysaccharides Based on Their Gastrointestinal Functions. Journal of Agricultural and Food Chemistry, 2018, 66, 4781-4786.	2.4	75
488	High-throughput sequencing reveals the effect of Bacillus subtilis CGMCC 1.921 on the cecal microbiota and gene expression in ileum mucosa of laying hens. Poultry Science, 2018, 97, 2543-2556.	1.5	37
489	Prophylactic Bifidobacterium adolescentis ATTCC 15703 supplementation reduces partially allergic airway disease in Balb/c but not in C57BL/6 mice. Beneficial Microbes, 2018, 9, 465-476.	1.0	7
490	A synbiotic mixture of scGOS/lcFOS and Bifidobacterium breve M-16V increases faecal Bifidobacterium in healthy young children. Beneficial Microbes, 2018, 9, 541-552.	1.0	21
491	Beyond Host Defense: Emerging Functions of the Immune System in Regulating Complex Tissue Physiology. Cell, 2018, 173, 554-567.	13.5	192
492	Obesity and asthma. Journal of Allergy and Clinical Immunology, 2018, 141, 1169-1179.	1.5	547
493	The Impact of Maternal Microbes and Microbial Colonization in Early Life on Hematopoiesis. Journal of Immunology, 2018, 200, 2519-2526.	0.4	21
494	Antibiotics as Instigators of Microbial Dysbiosis: Implications for Asthma and Allergy. Trends in Immunology, 2018, 39, 697-711.	2.9	75
495	Impacts of microbiome metabolites on immune regulation and autoimmunity. Immunology, 2018, 154, 230-238.	2.0	185
496	Role of NKp46 ⁺ natural killer cells in house dust miteâ€driven asthma. EMBO Molecular Medicine, 2018, 10, .	3.3	16
497	Microbial metabolites, shortâ€chain fatty acids, restrain tissue bacterial load, chronic inflammation, and associated cancer in the colon of mice. European Journal of Immunology, 2018, 48, 1235-1247.	1.6	68
498	The impact of a helminth-modified microbiome on host immunity. Mucosal Immunology, 2018, 11, 1039-1046.	2.7	106

#	Article	IF	Citations
499	Shortâ€chain fatty acids induce tissue plasminogen activator in airway epithelial cells via <scp>GPR</scp>41&43. Clinical and Experimental Allergy, 2018, 48, 544-554.	1.4	32
500	Delayed gut microbiota development in high-risk for asthma infants is temporarily modifiable by Lactobacillus supplementation. Nature Communications, 2018, 9, 707.	5.8	158
501	The Dietary Inflammatory Index and Current Wheeze Among Children and Adults in the United States. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 834-841.e2.	2.0	47
502	Tissue macrophages as mediators of a healthy relationship with gut commensal microbiota. Cellular Immunology, 2018, 330, 16-26.	1.4	35
503	Strain Tracking Reveals the Determinants of Bacterial Engraftment in the Human Gut Following Fecal Microbiota Transplantation. Cell Host and Microbe, 2018, 23, 229-240.e5.	5.1	292
504	Protective effect of dietary fiber from sweet potato (Ipomoea batatasL.) against lead-induced renal injury by inhibiting oxidative stress via AMPK/SIRT1/PGC1Î± signaling pathways. Journal of Food Biochemistry, 2018, 42, e12513.	1.2	5
505	Urban environment predisposes dogs and their owners to allergic symptoms. Scientific Reports, 2018, 8, 1585.	1.6	37
506	Butyrate: A Double-Edged Sword for Health?. Advances in Nutrition, 2018, 9, 21-29.	2.9	639
507	Urinary bisphenol A concentrations in relation to asthma in a sample of Egyptian children. Human and Experimental Toxicology, 2018, 37, 1180-1186.	1.1	22
508	Microbiome: Allergic Diseases of Childhood. , 2018, , 35-53.		0
509	Clinical Relevance of Gastrointestinal Microbiota During Pregnancy: A Primer for Nurses. Biological Research for Nursing, 2018, 20, 84-102.	1.0	9
510	Evaluating Causality of Gut Microbiota in Obesity and Diabetes in Humans. Endocrine Reviews, 2018, 39, 133-153.	8.9	207
511	Probiotic treatment during neonatal age provides optimal protection against experimental asthma through the modulation of microbiota and T cells. International Immunology, 2018, 30, 155-169.	1.8	16
512	Microbiomeâ€based mechanisms hypothesized to initiate obesityâ€associated rheumatoid arthritis. Obesity Reviews, 2018, 19, 786-797.	3.1	9
513	Therapeutic Application of an Extract of Helicobacter pylori Ameliorates the Development of Allergic Airway Disease. Journal of Immunology, 2018, 200, 1570-1579.	0.4	22
514	The role of the gut microbiome in systemic inflammatory disease. BMJ: British Medical Journal, 2018, 360, j5145.	2.4	367
515	The fluidity of biosocial identity and the effects of place, space, and time. Social Science and Medicine, 2018, 198, 46-52.	1.8	16
516	Plasmacytoid dendritic cells protect from viral bronchiolitis and asthma through semaphorin 4aâ€“mediated T reg expansion. Journal of Experimental Medicine, 2018, 215, 537-557.	4.2	65

#	Article	IF	Citations
517	Impact of Lifestyle Interventions Targeting Healthy Diet, Physical Activity, and Weight Loss on Asthma in Adults: What Is the Evidence?. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 751-763.	2.0	64
518	The germ-organ theory of non-communicable diseases. Nature Reviews Microbiology, 2018, 16, 103-110.	13.6	117
519	Dietary fatty acids and susceptibility to multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 12-16.	1.4	32
520	Gut as a target for cadmium toxicity. Environmental Pollution, 2018, 235, 429-434.	3.7	156
521	Short-chain fatty acids regulate systemic bone mass and protect from pathological bone loss. Nature Communications, 2018, 9, 55.	5.8	393
522	The Gutâ€“Lung Axis and Pulmonary Responses to Ozone. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 281-282.	1.4	6
523	Review article: short chain fatty acids as potential therapeutic agents in human gastrointestinal and inflammatory disorders. Alimentary Pharmacology and Therapeutics, 2018, 48, 15-34.	1.9	339
524	Effect of live yeast Saccharomyces cerevisiae (Actisaf Sc 47) supplementation on the performance and hindgut microbiota composition of weanling pigs. Scientific Reports, 2018, 8, 5315.	1.6	44
525	Butyrate from pectin fermentation inhibits intestinal cholesterol absorption and attenuates atherosclerosis in apolipoprotein E-deficient mice. Journal of Nutritional Biochemistry, 2018, 56, 175-182.	1.9	78
526	The Lung Microbiota of Healthy Mice Are Highly Variable, Cluster by Environment, and Reflect Variation in Baseline Lung Innate Immunity. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 497-508.	2.5	189
527	The Microbiome Regulates Pulmonary Responses to Ozone in Mice. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 346-354.	1.4	49
528	Short chain fatty acid, acetate ameliorates sepsis-induced acute kidney injury by inhibition of NADPH oxidase signaling in T cells. International Immunopharmacology, 2018, 58, 24-31.	1.7	65
529	Regulation of type 2 innate lymphoid cellâ€“dependent airway hyperreactivity by butyrate. Journal of Allergy and Clinical Immunology, 2018, 142, 1867-1883.e12.	1.5	132
530	The Human Respiratory Microbiome: Implications and Impact. Seminars in Respiratory and Critical Care Medicine, 2018, 39, 199-212.	0.8	24
531	Host-Microbe Interactions in Airway Disease: toward Disease Mechanisms and Novel Therapeutic Strategies. MSystems, 2018, 3, .	1.7	3
532	Taste and smell GPCRs in the lung: Evidence for a previously unrecognized widespread chemosensory system. Cellular Signalling, 2018, 41, 82-88.	1.7	67
533	Microbiotaâ€“Host Transgenomic Metabolism, Bioactive Molecules from the Inside. Journal of Medicinal Chemistry, 2018, 61, 47-61.	2.9	91
534	Beyond BMI. Chest, 2018, 153, 702-709.	0.4	91

#	Article	IF	Citations
535	Role of the lung microbiome in HIV pathogenesis. Current Opinion in HIV and AIDS, 2018, 13, 45-52.	1.5	9
536	Development of severe bronchopulmonary dysplasia is associated with alterations in fecal volatile organic compounds. Pediatric Research, 2018, 83, 412-419.	1.1	27
537	Microbiome-driven allergic lung inflammation is ameliorated by short-chain fatty acids. Mucosal Immunology, 2018, 11, 785-795.	2.7	247
538	Pregnancy Complications and Wheezing and Asthma in Childhood. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 580-588.	2.5	16
539	TH2 cell development and function. Nature Reviews Immunology, 2018, 18, 121-133.	10.6	365
540	Gut Microbiota, Immune System, and Bone. Calcified Tissue International, 2018, 102, 415-425.	1.5	160
541	Lactobacillus gasseri attenuates allergic airway inflammation through PPARÎ³ activation in dendritic cells. Journal of Molecular Medicine, 2018, 96, 39-51.	1.7	22
542	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. Microbiology Spectrum, 2017, 5, .	1.2	125
543	Development of a Stable Lung Microbiome in Healthy Neonatal Mice. Microbial Ecology, 2018, 75, 529-542.	1.4	36
544	Innate lymphoid cells at the interface between obesity and asthma. Immunology, 2018, 153, 21-30.	2.0	41
545	FFAR2â€FFAR3 receptor heteromerization modulates shortâ€chain fatty acid sensing. FASEB Journal, 2018, 32, 289-303.	0.2	75
546	Combined therapies to treat complex diseases: The role of the gut microbiota in multiple sclerosis. Autoimmunity Reviews, 2018, 17, 165-174.	2.5	82
547	Associations between infant fungal and bacterial dysbiosis and childhood atopic wheeze in a nonindustrialized setting. Journal of Allergy and Clinical Immunology, 2018, 142, 424-434.e10.	1.5	181
548	Taking a prebiotic approach to early immunomodulation for allergy prevention. Expert Review of Clinical Immunology, 2018, 14, 43-51.	1.3	23
549	The Role of Metabolite-Sensing G Protein-Coupled Receptors in Inflammation and Metabolic Disease. Antioxidants and Redox Signaling, 2018, 29, 237-256.	2.5	13
550	Contributions of the intestinal microbiome in lung immunity. European Journal of Immunology, 2018, 48, 39-49.	1.6	155
551	Gut-microbiota-on-a-chip: an enabling field for physiological research. Microphysiological Systems, 2018, 1, 1-1.	2.0	17
552	Profiling of lung microbiota in the patients with obstructive sleep apnea. Medicine (United States), 2018, 97, e11175.	0.4	26

#	Article	IF	Citations
553	Microbiota-accessible pectic poly- and oligosaccharides in gut health. Food and Function, 2018, 9, 5059-5073.	2.1	64
554	Reduction in exacerbation of COPD in patients of advanced age using the Japanese Kampo medicine Dai-kenchu-to: a retrospective cohort study. International Journal of COPD, 2019, Volume 14, 129-139.	0.9	8
555	The Combination Therapy of Dietary Galacto-Oligosaccharides With Budesonide Reduces Pulmonary Th2 Driving Mediators and Mast Cell Degranulation in a Murine Model of House Dust Mite Induced Asthma. Frontiers in Immunology, 2018, 9, 2419.	2.2	16
556	Occurrence and Dynamism of Lactic Acid Bacteria in Distinct Ecological Niches: A Multifaceted Functional Health Perspective. Frontiers in Microbiology, 2018, 9, 2899.	1.5	112
557	Mucosal Barrier and Th2 Immune Responses Are Enhanced by Dietary Inulin in Pigs Infected With Trichuris suis. Frontiers in Immunology, 2018, 9, 2557.	2.2	39
558	Response to Fungal Dysbiosis by Gut-Resident CX3CR1+ Mononuclear Phagocytes Aggravates Allergic Airway Disease. Cell Host and Microbe, 2018, 24, 847-856.e4.	5.1	95
559	An Insight Into the Intestinal Web of Mucosal Immunity, Microbiota, and Diet in Inflammation. Frontiers in Immunology, 2018, 9, 2617.	2.2	70
560	Rules of engagement in the gut microbiome. Nature Medicine, 2018, 24, 1642-1644.	15.2	3
561	Targeting the gut microbiome to treat the osteoarthritis of obesity. JCI Insight, 2018, 3, .	2.3	166
562	Schistosome Egg Migration: Mechanisms, Pathogenesis and Host Immune Responses. Frontiers in Immunology, 2018, 9, 3042.	2.2	134
563	Obesity and asthma: risk, control and treatment. Postepy Dermatologii I Alergologii, 2018, 35, 563-571.	0.4	16
564	Gut Microbiota as a Prospective Therapeutic Target for Curcumin: A Review of Mutual Influence. Journal of Nutrition and Metabolism, 2018, 2018, 1-11.	0.7	67
565	Characterisation of gut, lung, and upper airways microbiota in patients with non-small cell lung carcinoma. Medicine (United States), 2018, 97, e13676.	0.4	28
566	Make (No) Bones about Butyrate. Immunity, 2018, 49, 994-996.	6.6	5
567	Faecal Short Chain Fatty Acids Profile is Changed in Polish Depressive Women. Nutrients, 2018, 10, 1939.	1.7	153
568	Specialty Infant Formulas for Milk Allergy: Current Choices and Unmet Needs. Current Treatment Options in Allergy, 2018, 5, 487-499.	0.9	0
569	Selective tracking of FFAR3-expressing neurons supports receptor coupling to N-type calcium channels in mouse sympathetic neurons. Scientific Reports, 2018, 8, 17379.	1.6	12
570	TLR Activation and Allergic Disease: Early Life Microbiome and Treatment. Current Allergy and Asthma Reports, 2018, 18, 61.	2.4	15

#	Article	IF	Citations
571	Sulfated Polysaccharide from Sea Cucumber and its Depolymerized Derivative Prevent Obesity in Association with Modification of Gut Microbiota in Highâ€Fat Dietâ€Fed Mice. Molecular Nutrition and Food Research, 2018, 62, e1800446.	1.5	128
573	Expansion of commensal fungus Wallemia mellicola in the gastrointestinal mycobiota enhances the severity of allergic airway disease in mice. PLoS Pathogens, 2018, 14, e1007260.	2.1	76
574	Identification of Halophilic Microbes in Lung Fibrotic Tissue by Oligotyping. Frontiers in Microbiology, 2018, 9, 1892.	1.5	15
575	Augmented reduction in colonic inflammatory markers of dextran sulfate sodium-induced colitis with a combination of 5-aminosalicylic acid and AD-licoâ„¢ from Glycyrrhiza inflata. Animal Cells and Systems, 2018, 22, 189-196.	0.8	5
576	Body mass index may predict the response to ipilimumab in metastatic melanoma: An observational multi-centre study. PLoS ONE, 2018, 13, e0204729.	1.1	83
577	Allergen Immunization Induces Major Changes in Microbiota Composition and Short-Chain Fatty Acid Production in Different Gut Segments in a Mouse Model of Lupine Food Allergy. International Archives of Allergy and Immunology, 2018, 177, 311-323.	0.9	15
578	Prokaryotic horizontal gene transfer within the human holobiont: ecological-evolutionary inferences, implications and possibilities. Microbiome, 2018, 6, 163.	4.9	48
579	Regulation of the effector function of CD8+ T cells by gut microbiota-derived metabolite butyrate. Scientific Reports, 2018, 8, 14430.	1.6	181
580	Sulforaphane Normalizes Intestinal Flora and Enhances Gut Barrier in Mice with BBNâ€Induced Bladder Cancer. Molecular Nutrition and Food Research, 2018, 62, e1800427.	1.5	52
581	Antibiotics and autoimmune and allergy diseases: Causative factor or treatment?. International Immunopharmacology, 2018, 65, 328-341.	1.7	30
582	Honey bees as models for gut microbiota research. Lab Animal, 2018, 47, 317-325.	0.2	184
583	Probiotics as a Potential Immunomodulating Pharmabiotics in Allergic Diseases: Current Status and Future Prospects. Allergy, Asthma and Immunology Research, 2018, 10, 575.	1.1	61
584	Recent developments and highlights in mechanisms of allergic diseases: Microbiome. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 2314-2327.	2.7	90
585	Gut Microbial Product Predicts Cardiovascular Risk in Chronic Kidney Disease Patients. American Journal of Nephrology, 2018, 48, 269-277.	1.4	32
586	The role of the lung microbiota and the gut-lung axis in respiratory infectious diseases. Cellular Microbiology, 2018, 20, e12966.	1.1	287
587	Anti-Inflammatory Activities of Pentaherbs formula and Its Influence on Gut Microbiota in Allergic Asthma. Molecules, 2018, 23, 2776.	1.7	31
588	A metagenome-wide association study of gut microbiota in asthma in UK adults. BMC Microbiology, 2018, 18, 114.	1.3	77
589	A translational perspective on epigenetics in allergic diseases. Journal of Allergy and Clinical Immunology, 2018, 142, 715-726.	1.5	51

#	Article	IF	Citations
590	Nutritional Modulation of Innate Immunity: The Fatâ€“Bileâ€“Gut Connection. Trends in Endocrinology and Metabolism, 2018, 29, 686-698.	3.1	23
591	Decreased expression of G-protein-coupled receptors GPR43 and GPR109a in psoriatic skin can be restored by topical application of sodium butyrate. Archives of Dermatological Research, 2018, 310, 751-758.	1.1	29
592	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. Journal of Pharmaceutical and Biomedical Analysis, 2018, 161, 336-343.	1.4	20
593	Albumin/globulin ratio is negatively correlated with PD-1 and CD25 mRNA levels in breast cancer patients. OncoTargets and Therapy, 2018, Volume 11, 2131-2139.	1.0	9
594	Diet, Microbiota and Gut-Lung Connection. Frontiers in Microbiology, 2018, 9, 2147.	1.5	267
595	Lactobacillus salivarius reverse antibiotic-induced lung defense impairment in a ventilator model. Journal of Translational Medicine, 2018, 16, 225.	1.8	5
596	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. , 0, , 453-483.		8
597	Gut Microbiota: FFAR Reaching Effects on Islets. Endocrinology, 2018, 159, 2495-2505.	1.4	32
598	Alopecia areata and the gutâ€”the link opens up for novel therapeutic interventions. Expert Opinion on Therapeutic Targets, 2018, 22, 503-511.	1.5	43
599	Epithelial barrier dysfunctions in atopic dermatitis: a skin-gut-lung model linking microbiome alteration and immune dysregulation. British Journal of Dermatology, 2018, 179, 570-581.	1.4	86
600	Effects of ceftriaxone-induced intestinal dysbacteriosis on regulatory T cells validated by anaphylactic mice. International Immunopharmacology, 2018, 60, 221-227.	1.7	10
601	Dietary fibers, prebiotics, and exopolysaccharides produced by lactic acid bacteria: potential health benefits with special regard to cholesterol-lowering effects. Food and Function, 2018, 9, 3057-3068.	2.1	129
602	A causal mechanism for childhood acute lymphoblastic leukaemia. Nature Reviews Cancer, 2018, 18, 471-484.	12.8	342
603	Microbiota and Type 2 immune responses. Current Opinion in Immunology, 2018, 54, 20-27.	2.4	29
604	Hematopoiesis and the bacterial microbiome. Blood, 2018, 132, 559-564.	0.6	62
605	Dietary Fiber Confers Protection against Flu by Shaping Ly6câ^' Patrolling Monocyte Hematopoiesis and CD8+ T Cell Metabolism. Immunity, 2018, 48, 992-1005.e8.	6.6	441
606	A Little Fiber Goes a Long Way. Immunity, 2018, 48, 844-846.	6.6	2
607	Microbiota Composition and the Integration of Exogenous and Endogenous Signals in Reactive Nasal Inflammation. Journal of Immunology Research, 2018, 2018, 1-17.	0.9	28

#	Article	IF	Citations
608	The Role of the Immune Response in the Pathogenesis of Bronchiectasis. BioMed Research International, 2018, 2018, 1-12.	0.9	20
609	Obesity-Related Asthma: Immune Regulation and Potential Targeted Therapies. Journal of Immunology Research, 2018, 2018, 1-13.	0.9	15
610	Immunology of theÂMicrobiome: Implications for Rheumatoid Arthritis and Other Autoimmune Diseases. , 2018, , 55-62.		1
611	The Microbiome in Asthma. , 2018, , 161-170.		0
612	Integration of the human exposome with the human genome to advance medicine. Biochimie, 2018, 152, 155-158.	1.3	36
614	Adsorption of catechin onto cellulose and its mechanism study: Kinetic models, characterization and molecular simulation. Food Research International, 2018, 112, 225-232.	2.9	31
615	Contribution of Host Defence Proteins and Peptides to Host-Microbiota Interactions in Chronic Inflammatory Lung Diseases. Vaccines, 2018, 6, 49.	2.1	6
616	Bioactive Lipids. Reference Series in Phytochemistry, 2018, , 1-61.	0.2	1
617	Human Milk Oligosaccharides and Associations With Immune-Mediated Disease and Infection in Childhood: A Systematic Review. Frontiers in Pediatrics, 2018, 6, 91.	0.9	77
618	Microbiome and Diseases: Allergy. , 2018, , 175-194.		0
619	Gut microbiota components are associated with fixed airway obstruction in asthmatic patients living in the tropics. Scientific Reports, 2018, 8, 9582.	1.6	16
620	Immunological Effects of Human Milk Oligosaccharides. Frontiers in Pediatrics, 2018, 6, 190.	0.9	214
621	Signatures of ecological processes in microbial community time series. Microbiome, 2018, 6, 120.	4.9	81
622	The Metabolic Sensor GPR43 Receptor Plays a Role in the Control of Klebsiella pneumoniae Infection in the Lung. Frontiers in Immunology, 2018, 9, 142.	2.2	72
623	Cowâ€™s Milk and Immune Function in the Respiratory Tract: Potential Mechanisms. Frontiers in Immunology, 2018, 9, 143.	2.2	48
624	Factors Affecting the Immunity to Respiratory Syncytial Virus: From Epigenetics to Microbiome. Frontiers in Immunology, 2018, 9, 226.	2.2	41
625	Dietary Fiber Pectin Directly Blocks Toll-Like Receptor 2â€“1 and Prevents Doxorubicin-Induced Ileitis. Frontiers in Immunology, 2018, 9, 383.	2.2	119
626	Effect of Dietary Fiber and Metabolites on Mast Cell Activation and Mast Cell-Associated Diseases. Frontiers in Immunology, 2018, 9, 1067.	2.2	34

#	Article	IF	Citations
627	Neonatal Immunity, Respiratory Virus Infections, and the Development of Asthma. Frontiers in Immunology, 2018, 9, 1249.	2.2	47
628	Microbiome and Allergic Diseases. Frontiers in Immunology, 2018, 9, 1584.	2.2	211
629	Gut Microbiota: An Integral Moderator in Health and Disease. Frontiers in Microbiology, 2018, 9, 151.	1.5	306
630	Pushing the Limits of Cancer Therapy: The Nutrient Game. Frontiers in Oncology, 2018, 8, 148.	1.3	40
631	Barley Î²-glucan improves metabolic condition via short-chain fatty acids produced by gut microbial fermentation in high fat diet fed mice. PLoS ONE, 2018, 13, e0196579.	1.1	92
632	Role of Short Chain Fatty Acid Receptors in Intestinal Physiology and Pathophysiology. , 2018, 8, 1091-1115.		141
633	The hygiene hypothesis: immunological mechanisms of airway tolerance. Current Opinion in Immunology, 2018, 54, 102-108.	2.4	44
634	The Role of Gut Microbiota in Obesity and Type 2 and Type 1 Diabetes Mellitus: New Insights into â€œOldâ€• Diseases. Medical Sciences (Basel, Switzerland), 2018, 6, 32.	1.3	103
635	Effects of Dietary Intake of Japanese Mushrooms on Visceral Fat Accumulation and Gut Microbiota in Mice. Nutrients, 2018, 10, 610.	1.7	38
636	Detection of Succinate by Intestinal Tuft Cells Triggers a Type 2 Innate Immune Circuit. Immunity, 2018, 49, 33-41.e7.	6.6	380
637	Dietary non-fermentable fiber prevents autoimmune neurological disease by changing gut metabolic and immune status. Scientific Reports, 2018, 8, 10431.	1.6	63
638	Gut microbiota correlates with fiber and apparent nutrients digestion in goose. Poultry Science, 2018, 97, 3899-3909.	1.5	23
639	Parasite-Microbiota Interactions With the Vertebrate Gut: Synthesis Through an Ecological Lens. Frontiers in Microbiology, 2018, 9, 843.	1.5	146
640	Microbiome and asthma. Asthma Research and Practice, 2018, 4, 1.	1.2	117
641	Gut microbiota promotes production of aromatic metabolites through degradation of barley leaf fiber. Journal of Nutritional Biochemistry, 2018, 58, 49-58.	1.9	21
642	Pro- and anti-inflammatory effects of short chain fatty acids on immune and endothelial cells. European Journal of Pharmacology, 2018, 831, 52-59.	1.7	341
643	Tetrahydrocurcumin, a major metabolite of curcumin, ameliorates allergic airway inflammation by attenuating Th2 response and suppressing the ILâ€4RÎ±â€Jak1â€STAT6 and Jagged1/Jagged2 â€Notch1/Notch2 pathways in asthmatic mice. Clinical and Experimental Allergy, 2018, 48, 1494-1508.	1.4	31
644	Rebuilding the Gut Microbiota Ecosystem. International Journal of Environmental Research and Public Health, 2018, 15, 1679.	1.2	231

#	Article	IF	Citations
645	Paradigms of Lung Microbiota Functions in Health and Disease, Particularly, in Asthma. Frontiers in Physiology, 2018, 9, 1168.	1.3	151
646	Exopolysaccharide from Bifidobacterium longum subsp. longum 35624â„¢ modulates murine allergic airway responses. Beneficial Microbes, 2018, 9, 761-773.	1.0	35
647	Connecting the immune system, systemic chronic inflammation and the gut microbiome: The role of sex. Journal of Autoimmunity, 2018, 92, 12-34.	3.0	232
648	The Impact of Dietary Fiber on Gut Microbiota in Host Health and Disease. Cell Host and Microbe, 2018, 23, 705-715.	5.1	1,441
649	Soil exposure modifies the gut microbiota and supports immune tolerance in a mouse model. Journal of Allergy and Clinical Immunology, 2019, 143, 1198-1206.e12.	1.5	124
650	Worms: Pernicious parasites or allies against allergies?. Parasite Immunology, 2019, 41, e12574.	0.7	19
651	Gut environmental factors and multiple sclerosis. Journal of Neuroimmunology, 2019, 329, 20-23.	1.1	29
652	Interplay between food and gut microbiota in health and disease. Food Research International, 2019, 115, 23-31.	2.9	168
653	Microbiome in the primary prevention of allergic diseases and bronchial asthma. Allergologia Et Immunopathologia, 2019, 47, 79-84.	1.0	9
654	In situ degradation, ruminal fermentation, and the rumen bacterial community of cattle fed corn stover fermented by lignocellulolytic microorganisms. Animal Feed Science and Technology, 2019, 248, 10-19.	1.1	14
655	Reduced genetic potential for butyrate fermentation in the gut microbiome of infants who develop allergic sensitization. Journal of Allergy and Clinical Immunology, 2019, 144, 1638-1647.e3.	1.5	95
656	Prebiotics: Mechanisms and Preventive Effects in Allergy. Nutrients, 2019, 11, 1841.	1.7	51
657	Dietary Fibers from Fruits and Vegetables and Their Health Benefits via Modulation of Gut Microbiota. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 1514-1532.	5.9	123
658	Metabolomics for Investigating Physiological and Pathophysiological Processes. Physiological Reviews, 2019, 99, 1819-1875.	13.1	516
659	High-throughput sequencing reveals the gut and lung prokaryotic community profiles of the Chinese giant salamander (Andrias davidianus). Molecular Biology Reports, 2019, 46, 5143-5154.	1.0	7
660	Soluble fibre supplementation with and without a probiotic in adults with asthma: A 7-day randomised, double blind, three way cross-over trial. EBioMedicine, 2019, 46, 473-485.	2.7	67
661	Gut microbial metabolite butyrate protects against proteinuric kidney disease through epigeneticâ€•and GPR109aâ€•mediated mechanisms. FASEB Journal, 2019, 33, 11894-11908.	0.2	70
662	Long-Chain Bases from Sea Cucumber Alleviate Obesity by Modulating Gut Microbiota. Marine Drugs, 2019, 17, 455.	2.2	45

#	Article	IF	Citations
663	Interactions between microbiota, diet/nutrients and immune/inflammatory response in rheumatic diseases: focus on rheumatoid arthritis. Reumatologia, 2019, 57, 151-157.	0.5	21
664	Old Dog New Tricks; Revisiting How Stroke Modulates the Systemic Immune Landscape. Frontiers in Neurology, 2019, 10, 718.	1.1	29
665	Gut Microbiome: Profound Implications for Diet and Disease. Nutrients, 2019, 11, 1613.	1.7	615
666	The Ontogeny of Monocyte Subsets. Frontiers in Immunology, 2019, 10, 1642.	2.2	133
667	Multi-Faceted Notch in Allergic Airway Inflammation. International Journal of Molecular Sciences, 2019, 20, 3508.	1.8	14
668	Geneâ€“environment interactions in primary atopic disorders. Current Opinion in Immunology, 2019, 60, 148-155.	2.4	11
669	Gut microbiota metabolite regulation of host defenses at mucosal surfaces: implication in precision medicine. Precision Clinical Medicine, 2019, 2, 110-119.	1.3	81
670	Encapsulation of Lactobacillus plantarum in cellulose based microgel with controlled release behavior and increased long-term storage stability. Carbohydrate Polymers, 2019, 223, 115065.	5.1	54
671	Elevated faecal 12,13-diHOME concentration in neonates at high risk for asthma is produced by gut bacteria and impedes immune tolerance. Nature Microbiology, 2019, 4, 1851-1861.	5.9	148
672	Glycan utilisation system in Bacteroides and Bifidobacteria and their roles in gut stability and health. Applied Microbiology and Biotechnology, 2019, 103, 7287-7315.	1.7	53
673	Microbiota-derived acetate protects against respiratory syncytial virus infection through a GPR43-type 1 interferon response. Nature Communications, 2019, 10, 3273.	5.8	234
674	Association between dietary fibre intake and asthma (symptoms and control): results from the French national e-cohort NutriNet-SantÃ©. British Journal of Nutrition, 2019, 122, 1040-1051.	1.2	22
675	Gut Microbiome and Immunity. , 2019, , 167-181.		1
676	Bridging intestinal immunity and gut microbiota by metabolites. Cellular and Molecular Life Sciences, 2019, 76, 3917-3937.	2.4	176
677	Dietary fructose-induced gut dysbiosis promotes mouse hippocampal neuroinflammation: a benefit of short-chain fatty acids. Microbiome, 2019, 7, 98.	4.9	162
678	Microbiota-Derived Short-Chain Fatty Acids Promote the Memory Potential of Antigen-Activated CD8+ T Cells. Immunity, 2019, 51, 285-297.e5.	6.6	378
679	Past, Present, and Future Research on the Lung Microbiome in Inflammatory AirwayÂDisease. Chest, 2019, 156, 376-382.	0.4	42
680	The Human Microbiota and Its Relationship with Allergies. Gastroenterology Clinics of North America, 2019, 48, 377-387.	1.0	14

#	Article	IF	Citations
681	Homing in on 12,13-diHOME in asthma. Nature Microbiology, 2019, 4, 1774-1775.	5.9	3
682	Peptidoglycan Recognition Protein 4 Limits Bacterial Clearance and Inflammation in Lungs by Control of the Gut Microbiota. Frontiers in Immunology, 2019, 10, 2106.	2.2	17
683	A Comprehensive Understanding of Dietary Effects on C. elegans Physiology. Current Medical Science, 2019, 39, 679-684.	0.7	15
684	Altered short chain fatty acid profiles induced by dietary fiber intervention regulate AMPK levels and intestinal homeostasis. Food and Function, 2019, 10, 7174-7187.	2.1	43
685	Dietary Fiber-Induced Microbial Short Chain Fatty Acids Suppress ILC2-Dependent Airway Inflammation. Frontiers in Immunology, 2019, 10, 2051.	2.2	90
686	Microbiome Big-Data Mining and Applications Using Single-Cell Technologies and Metagenomics Approaches Toward Precision Medicine. Frontiers in Genetics, 2019, 10, 972.	1.1	26
687	The Pglyrp1-Regulated Microbiome Enhances Experimental Allergic Asthma. Journal of Immunology, 2019, 203, 3113-3125.	0.4	12
688	Influence of pig gut microbiota on Mycoplasma hyopneumoniae susceptibility. Veterinary Research, 2019, 50, 86.	1.1	13
689	Potential Role of Gut Microbiota in Induction and Regulation of Innate Immune Memory. Frontiers in Immunology, 2019, 10, 2441.	2.2	136
690	The Role of the Lungâ€™s Microbiome in the Pathogenesis and Progression of Idiopathic Pulmonary Fibrosis. International Journal of Molecular Sciences, 2019, 20, 5618.	1.8	41
691	Epigenetic biomarkers of asthma and allergic disorders. , 2019, , 139-169.		0
692	The association between dietary fibre deficiency and high-income lifestyle-associated diseases: Burkitt's hypothesis revisited. The Lancet Gastroenterology and Hepatology, 2019, 4, 984-996.	3.7	120
693	Dysfunctional microbiota with reduced capacity to produce butyrate as a basis for allergic diseases. Journal of Allergy and Clinical Immunology, 2019, 144, 1513-1515.	1.5	13
694	Perinatal Interactions between the Microbiome, Immunity, and Neurodevelopment. Immunity, 2019, 50, 18-36.	6.6	103
695	The intestinal flora is required for post-transplant hematopoiesis in recipients of a hematopoietic stem cell transplantation. Bone Marrow Transplantation, 2019, 54, 756-758.	1.3	8
696	Pursuing Human-Relevant Gut Microbiota-Immune Interactions. Immunity, 2019, 51, 225-239.	6.6	105
698	Maternal supplementation with a synbiotic has distinct outcomes on offspring gut microbiota formation in A/J and C57BL/6 mice, differentially affecting airway inflammatory cell infiltration and mucus production. Journal of Functional Foods, 2019, 61, 103496.	1.6	4
699	Immunomodulatory Effects of Lactobacillus plantarum on Inflammatory Response Induced by Klebsiella pneumoniae. Infection and Immunity, 2019, 87, .	1.0	41

#	Article	IF	Citations
700	Microbiome, Breastfeeding and Public Health Policy in the United States: The Case for Dietary Fiber. Nutrition and Metabolic Insights, 2019, 12, 117863881986959.	0.8	6
701	Quantitative reduction in short-chain fatty acids, especially butyrate, contributes to the progression of chronic kidney disease. Clinical Science, 2019, 133, 1857-1870.	1.8	88
702	Obesity-induced asthma: Role of free fatty acid receptors. Japanese Dental Science Review, 2019, 55, 103-107.	2.0	25
703	The influence of the microbiome on respiratory health. Nature Immunology, 2019, 20, 1279-1290.	7.0	299
704	The Effects of Obesity in Asthma. Current Allergy and Asthma Reports, 2019, 19, 49.	2.4	34
705	Methanogenic Archaea: Emerging Partners in the Field of Allergic Diseases. Clinical Reviews in Allergy and Immunology, 2019, 57, 456-466.	2.9	17
706	The Metabolic Requirements of Th2 Cell Differentiation. Frontiers in Immunology, 2019, 10, 2318.	2.2	98
707	In-Vitro Prebiotic Analysis of Microbiota Accessible Pectic Polysaccharides. Current Microbiology, 2019, 76, 1452-1460.	1.0	29
708	The Role of Dietary Fiber in Rheumatoid Arthritis Patients: A Feasibility Study. Nutrients, 2019, 11, 2392.	1.7	75
709	Butyrate Attenuates Lung Inflammation by Negatively Modulating Th9 Cells. Frontiers in Immunology, 2019, 10, 67.	2.2	53
710	Gut Microbiome as Target for Innovative Strategies Against Food Allergy. Frontiers in Immunology, 2019, 10, 191.	2.2	75
711	Gut microbiota profiling with differential tolerance against the reduced dietary fibre level in rabbit. Scientific Reports, 2019, 9, 288.	1.6	15
712	Bioactive Lipids. Reference Series in Phytochemistry, 2019, , 467-527.	0.2	9
713	Epigenetic Regulation of Early Nutrition on Immune System. , 2019, , 1067-1078.		0
714	T-Cell-Driven Inflammation as a Mediator of the Gut-Brain Axis Involved in Parkinson's Disease. Frontiers in Immunology, 2019, 10, 239.	2.2	90
715	Serum Metabolome Is Associated With the Nasopharyngeal Microbiota and Disease Severity Among Infants With Bronchiolitis. Journal of Infectious Diseases, 2019, 219, 2005-2014.	1.9	24
716	Lentinan modulates intestinal microbiota and enhances barrier integrity in a piglet model challenged with lipopolysaccharide. Food and Function, 2019, 10, 479-489.	2.1	64
717	Influence of maternal microbiota during pregnancy on infant immunity. Clinical and Experimental Immunology, 2019, 198, 47-56.	1.1	72

#	Article	IF	Citations
718	Developmental programming of adult haematopoiesis system. Ageing Research Reviews, 2019, 54, 100918.	5.0	17
719	Gut microbialâ€derived butyrate is inversely associated with IgE responses to allergens in childhood asthma. Pediatric Allergy and Immunology, 2019, 30, 689-697.	1.1	89
720	The Role of the Microbiota in the Diabetic Peripheral Artery Disease. Mediators of Inflammation, 2019, 2019, 1-16.	1.4	15
721	Contribution of the Gut Microbiota in P28GST-Mediated Anti-Inflammatory Effects: Experimental and Clinical Insights. Cells, 2019, 8, 577.	1.8	11
722	Role of Diet in Chronic Obstructive Pulmonary Disease Prevention and Treatment. Nutrients, 2019, 11, 1357.	1.7	122
723	Antibiotic-induced decreases in the levels of microbial-derived short-chain fatty acids correlate with increased gastrointestinal colonization of Candida albicans. Scientific Reports, 2019, 9, 8872.	1.6	89
724	Improvement of Goodâ€™s syndrome by fecal microbiota transplantation: the first case report. Journal of International Medical Research, 2019, 47, 3408-3415.	0.4	9
725	Antibiotic Exposure Has Sex-Dependent Effects on the Gut Microbiota and Metabolism of Short-Chain Fatty Acids and Amino Acids in Mice. MSystems, 2019, 4, .	1.7	42
726	Butyrate ameliorates allergic airway inflammation by limiting eosinophil trafficking and survival. Journal of Allergy and Clinical Immunology, 2019, 144, 764-776.	1.5	132
727	Distal Consequences of Oral Inflammation. Frontiers in Immunology, 2019, 10, 1403.	2.2	87
728	Selective Antimicrobial Effects of Curcumin@Halloysite Nanoformulation: A Caenorhabditis elegans Study. ACS Applied Materials & Interfaces, 2019, 11, 23050-23064.	4.0	73
729	Daphnetin ameliorates experimental colitis by modulating microbiota composition and T _{reg} /T _h 17 balance. FASEB Journal, 2019, 33, 9308-9322.	0.2	45
730	The crosstalk between microbiome and asthma: Exploring associations and challenges. Clinical and Experimental Allergy, 2019, 49, 1067-1086.	1.4	52
731	Microbiota Contribute to Obesity-related Increases in the Pulmonary Response to Ozone. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 702-712.	1.4	34
732	Dysbiosis of the intestinal microbiota in neurocritically ill patients and the risk for death. Critical Care, 2019, 23, 195.	2.5	84
733	Debugging Obesity-related Airway Hyperresponsiveness by Modulating the Microbiome. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 665-666.	1.4	4
734	Host-microbe interactions in the pathogenesis and clinical course of sarcoidosis. Journal of Biomedical Science, 2019, 26, 45.	2.6	27
735	Next-Generation Metagenomics: Methodological Challenges and Opportunities. OMICS A Journal of Integrative Biology, 2019, 23, 327-333.	1.0	47

#	Article	IF	Citations
736	Suppressive effect of dietary resistant maltodextrin on systemic immunity in a mouse model of food allergy. Bioscience of Microbiota, Food and Health, 2019, 38, 89-95.	0.8	4
737	Natural Killer Cells and Type 1 Innate Lymphoid Cells Are New Actors in Non-alcoholic Fatty Liver Disease. Frontiers in Immunology, 2019, 10, 1192.	2.2	47
738	Metabolism at the centre of the hostâ€“microbe relationship. Clinical and Experimental Immunology, 2019, 197, 193-204.	1.1	34
739	Health Outcomes and Quality of Life Indices of Children Receiving Blenderized Feeds via Enteral Tube. Journal of Pediatrics, 2019, 211, 139-145.e1.	0.9	56
740	PM2.5 affects establishment of immune tolerance in newborn mice by reducing PD-L1 expression. Journal of Biosciences, 2019, 44, 1.	0.5	4
741	Deciphering the Chemical Lexicon of Hostâ€“Gut Microbiota Interactions. Trends in Pharmacological Sciences, 2019, 40, 430-445.	4.0	100
742	Nutritional Modulation of Immune and Central Nervous System Homeostasis: The Role of Diet in Development of Neuroinflammation and Neurological Disease. Nutrients, 2019, 11, 1076.	1.7	35
743	Contribution of theÂGut and Vaginal Microbiomes to Gynecological Cancers. , 2019, , 399-416.		2
744	Microbiota-Dependent Regulation of Antimicrobial Immunity in the Lung. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 284-289.	1.4	14
745	The ancestral and industrialized gut microbiota and implications for human health. Nature Reviews Microbiology, 2019, 17, 383-390.	13.6	255
746	Do Interactions Between Environmental Chemicals and the Human Microbiome Need to Be Considered in Risk Assessments?. Risk Analysis, 2019, 39, 2353-2358.	1.5	6
747	Microbiota Metabolite Short-Chain Fatty Acids Facilitate Mucosal Adjuvant Activity of Cholera Toxin through GPR43. Journal of Immunology, 2019, 203, 282-292.	0.4	46
748	The microbiome: toward preventing allergies and asthma by nutritional intervention. Current Opinion in Immunology, 2019, 60, 10-18.	2.4	14
749	Targeting gut microbiota as a possible therapy for mastitis. European Journal of Clinical Microbiology and Infectious Diseases, 2019, 38, 1409-1423.	1.3	44
750	Metabolite-Sensing G Protein-Coupled Receptors Connect the Diet-Microbiota-Metabolites Axis to Inflammatory Bowel Disease. Cells, 2019, 8, 450.	1.8	53
751	Mechanisms by Which the Gut Microbiota Influences Cytokine Production and Modulates Host Inflammatory Responses. Journal of Interferon and Cytokine Research, 2019, 39, 393-409.	0.5	66
752	Exploring the emerging role of the microbiome in cancer immunotherapy. , 2019, 7, 108.		217
753	Impact of the Food Additive Titanium Dioxide (E171) on Gut Microbiota-Host Interaction. Frontiers in Nutrition, 2019, 6, 57.	1.6	90

#	Article	IF	Citations
754	Functional effects of the microbiota in chronic respiratory disease. Lancet Respiratory Medicine,the, 2019, 7, 907-920.	5.2	269
755	EAACI position paper: Influence of dietary fatty acids on asthma, food allergy, and atopic dermatitis. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1429-1444.	2.7	103
756	Shortâ€chain fatty acids: Bacterial messengers modulating the immunometabolism of T cells. European Journal of Immunology, 2019, 49, 842-848.	1.6	116
757	Is â€œnano safe to eat or notâ€? A review of the state-of-the art in soft engineered nanoparticle (sENP) formulation and delivery in foods. Advances in Food and Nutrition Research, 2019, 88, 299-335.	1.5	13
758	A surface-exposed GH26 Î²-mannanase from Bacteroides ovatus: Structure, role, and phylogenetic analysis of BoMan26B. Journal of Biological Chemistry, 2019, 294, 9100-9117.	1.6	19
759	A network-based approach for identifying suitable biomarkers for oral immunotherapy of food allergy. BMC Bioinformatics, 2019, 20, 206.	1.2	5
760	The ABCs of wheeze: Asthma and bacterial communities. PLoS Pathogens, 2019, 15, e1007645.	2.1	9
761	Helicobacter pylori VacA Targets Myeloid Cells in the Gastric Lamina Propria To Promote Peripherally Induced Regulatory T-Cell Differentiation and Persistent Infection. MBio, 2019, 10, .	1.8	60
762	The Microbiota and Ovarian Cancer. Current Cancer Research, 2019, , 205-245.	0.2	0
763	Beneficial Effects of Potentilla discolor Bunge Water Extract on Inflammatory Cytokines Release and Gut Microbiota in High-Fat Diet and Streptozotocin-Induced Type 2 Diabetic Mice. Nutrients, 2019, 11, 670.	1.7	56
764	Exosomes in Allergic Airway Diseases. Current Allergy and Asthma Reports, 2019, 19, 26.	2.4	28
765	Microbe-metabolite-host axis, two-way action in the pathogenesis and treatment of human autoimmunity. Autoimmunity Reviews, 2019, 18, 455-475.	2.5	37
766	Cross-Talk Between Antigen Presenting Cells and T Cells Impacts Intestinal Homeostasis, Bacterial Infections, and Tumorigenesis. Frontiers in Immunology, 2019, 10, 360.	2.2	200
767	Raw Cowâ€™s Milk and Its Protective Effect on Allergies and Asthma. Nutrients, 2019, 11, 469.	1.7	45
768	Short-chain fatty acid delivery: assessing exogenous administration of the microbiome metabolite acetate in mice. Physiological Reports, 2019, 7, e14005.	0.7	16
769	Microbiota Metabolite Butyrate Differentially Regulates Th1 and Th17 Cellsâ€™ Differentiation and Function in Induction of Colitis. Inflammatory Bowel Diseases, 2019, 25, 1450-1461.	0.9	112
770	Intestinal short-chain fatty acid composition does not explain gut microbiota-mediated effects on malaria severity. PLoS ONE, 2019, 14, e0214449.	1.1	10
771	Gut microbiota in HIVâ€“pneumonia patients is related to peripheral CD4 counts, lung microbiota, and in vitro macrophage dysfunction. Microbiome, 2019, 7, 37.	4.9	25

#	Article	IF	Citations
772	Prebiotics: Definition, Types, Sources, Mechanisms, and Clinical Applications. Foods, 2019, 8, 92.	1.9	715
773	Variations in early gut microbiome are associated with childhood eczema. FEMS Microbiology Letters, 2019, 366, .	0.7	16
774	Asthma, obesity and targeted interventions: an update. Current Opinion in Allergy and Clinical Immunology, 2019, 19, 68-74.	1.1	13
775	Sensing between reactionsÂâ€“Âhow the metabolic microenvironment shapes immunity. Clinical and Experimental Immunology, 2019, 197, 161-169.	1.1	9
776	Microbes, metabolites, and the gutâ€“lung axis. Mucosal Immunology, 2019, 12, 843-850.	2.7	540
778	Thinking bigger: How earlyâ€life environmental exposures shape the gut microbiome and influence the development of asthma and allergic disease. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 2103-2115.	2.7	114
779	Dietary supplementation with inulin-propionate ester or inulin improves insulin sensitivity in adults with overweight and obesity with distinct effects on the gut microbiota, plasma metabolome and systemic inflammatory responses: a randomised cross-over trial. Gut, 2019, 68, 1430-1438.	6.1	235
780	Anti-inflammatory Gut Microbial Pathways Are Decreased During Crohnâ€™s Disease Exacerbations. Journal of Crohn's and Colitis, 2019, 13, 1439-1449.	0.6	39
781	Stable isotope labeling combined with liquid chromatography-tandem mass spectrometry for comprehensive analysis of short-chain fatty acids. Analytica Chimica Acta, 2019, 1070, 51-59.	2.6	43
782	Intestinal Microbiota in Early Life and Its Implications on Childhood Health. Genomics, Proteomics and Bioinformatics, 2019, 17, 13-25.	3.0	159
783	Beyond Gut Instinct: Metabolic Short-Chain Fatty Acids Moderate the Pathogenesis of Alphaherpesviruses. Frontiers in Microbiology, 2019, 10, 723.	1.5	13
784	Gut Prevotella as a possible biomarker of diet and its eubiotic versus dysbiotic roles: a comprehensive literature review. British Journal of Nutrition, 2019, 122, 131-140.	1.2	204
785	The lung environment controls alveolar macrophage metabolism and responsiveness in type 2 inflammation. Nature Immunology, 2019, 20, 571-580.	7.0	140
786	Metabolic Activity of Intestinal Microflora in Patients with Bronchial Asthma. Clinics and Practice, 2019, 9, 1126.	0.6	21
787	Cytokines and Chemokines as Biomarkers of Future Asthma. Frontiers in Pediatrics, 2019, 7, 72.	0.9	22
788	The Microbiome Associated with Lung Cancer. Current Cancer Research, 2019, , 151-166.	0.2	0
789	Elevated Gut Microbiome-Derived Propionate Levels Are Associated With Reduced Sterile Lung Inflammation and Bacterial Immunity in Mice. Frontiers in Microbiology, 2019, 10, 159.	1.5	51
790	Gut microbiota community characteristics and disease-related microorganism pattern in a population of healthy Chinese people. Scientific Reports, 2019, 9, 1594.	1.6	33

#	Article	IF	Citations
791	Shaping the Gut Microbiota by Breastfeeding: The Gateway to Allergy Prevention?. Frontiers in Pediatrics, 2019, 7, 47.	0.9	159
792	Cigarette Smoke Induces Intestinal Inflammation via a Th17 Cell-Neutrophil Axis. Frontiers in Immunology, 2019, 10, 75.	2.2	33
793	Sialyllactose and Galactooligosaccharides Promote Epithelial Barrier Functioning and Distinctly Modulate Microbiota Composition and Short Chain Fatty Acid Production In Vitro. Frontiers in Immunology, 2019, 10, 94.	2.2	80
794	The Lung Microbiome, Metabolome, and Breath Volatolome in the Diagnosis of Pulmonary Disease. , 2019, , 297-305.		0
795	Connections Between Gut Microbiota and Bone Health. , 2019, , 341-348.		0
796	The short-chain fatty acid pentanoate suppresses autoimmunity by modulating the metabolic-epigenetic crosstalk in lymphocytes. Nature Communications, 2019, 10, 760.	5.8	275
797	Western diet regulates immune status and the response to LPS-driven sepsis independent of diet-associated microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3688-3694.	3.3	62
798	Saturated Fat Intake Is Associated with Lung Function in Individuals with Airflow Obstruction: Results from NHANES 2007â€“2012. Nutrients, 2019, 11, 317.	1.7	18
799	Butyrate Enhances Desensitization Induced by Oral Immunotherapy in Cowâ€™s Milk Allergic Mice. Mediators of Inflammation, 2019, 2019, 1-12.	1.4	24
800	Regulation of Immune Cell Function by Short Chain Fatty Acids and Their Impact on Arthritis. , 2019, , 175-188.		3
801	Emerging Principles in Myelopoiesis at Homeostasis and during Infection and Inflammation. Immunity, 2019, 50, 288-301.	6.6	106
802	Costimulation of type-2 innate lymphoid cells by GITR promotes effector function and ameliorates type 2 diabetes. Nature Communications, 2019, 10, 713.	5.8	58
803	Complete genome sequence of acetate-producing Klebsiella pneumoniae L5-2 isolated from infant feces. 3 Biotech, 2019, 9, 84.	1.1	4
804	Cashew apple fiber prevents high fat diet-induced obesity in mice: an NMR metabolomic evaluation. Food and Function, 2019, 10, 1671-1683.	2.1	28
805	ParticularitÃ©s de lâ€™asthme tardif non allergique des patients obÃ¨ses. Revue Des Maladies Respiratoires Actualites, 2019, 11, 69-74.	0.0	0
806	Early Career Members at the Lung Science Conference and the Sleep and Breathing Conference 2019. Breathe, 2019, 15, 234-240.	0.6	0
807	Methods in microbiome research: Past, present, and future. Best Practice and Research in Clinical Rheumatology, 2019, 33, 101498.	1.4	12
808	Gut microbial metabolites in depression: understanding the biochemical mechanisms. Microbial Cell, 2019, 6, 454-481.	1.4	161

#	Article	IF	Citations
809	Soluble fibre as a treatment for inflammation in asthma. Journal of Nutrition & Intermediary Metabolism, 2019, 18, 100108.	1.7	11
810	New statistical method identifies cytokines that distinguish stool microbiomes. Scientific Reports, 2019, 9, 20082.	1.6	5
811	Lung Microbiome in Asthma: Current Perspectives. Journal of Clinical Medicine, 2019, 8, 1967.	1.0	51
812	Prevention of allergy with diverse and healthy microbiota. Current Opinion in Pediatrics, 2019, 31, 418-425.	1.0	20
813	Environment and Host-Genetic Determinants in Early Development of Allergic Asthma: Contribution of Fungi. Frontiers in Immunology, 2019, 10, 2696.	2.2	11
814	Obesity and disease severity magnify disturbed microbiome-immune interactions in asthma patients. Nature Communications, 2019, 10, 5711.	5.8	141
815	Dietary Cellulose Supplementation Modulates the Immune Response in a Murine Endotoxemia Model. Shock, 2019, 51, 526-534.	1.0	17
816	Role of the ocular surface microbiome in allergic disease. Current Opinion in Allergy and Clinical Immunology, 2019, 19, 482-487.	1.1	15
817	Roles of short-chain fatty acids in kidney diseases. Chinese Medical Journal, 2019, 132, 1228-1232.	0.9	24
818	Developments in the mechanisms of allergy in 2018 through the eyes of Clinical and Experimental Allergy, Part I. Clinical and Experimental Allergy, 2019, 49, 1541-1549.	1.4	2
819	Effects of dietary intake of potatoes on body weight gain, satiety-related hormones, and gut microbiota in healthy rats. RSC Advances, 2019, 9, 33290-33301.	1.7	7
820	The Human Respiratory Microbiome: The End of the Beginning?. , 2019, , 87-97.		0
821	Bugs in the system: bringing the human microbiome to bear in cancer immunotherapy. Gut Microbes, 2019, 10, 109-112.	4.3	15
822	Short-Chain Fatty Acid Propionate Protects From Hypertensive Cardiovascular Damage. Circulation, 2019, 139, 1407-1421.	1.6	452
823	Coupled dynamics of intestinal microbiome and immune systemâ€"A mathematical study. Journal of Theoretical Biology, 2019, 464, 9-20.	0.8	5
824	Validated Postbiotic Screening Confirms Presence of Physiologically-Active Metabolites, Such as Short-Chain Fatty Acids, Amino Acids and Vitamins in HylakÂ® Forte. Probiotics and Antimicrobial Proteins, 2019, 11, 1124-1131.	1.9	19
825	The microbiome in asthma. Annals of Allergy, Asthma and Immunology, 2019, 122, 270-275.	0.5	65
826	La microbiota intestinal en el paciente crÃtico. Acta Colombiana De Cuidado Intensivo, 2019, 19, 28-36.	0.1	0

#	Article	IF	Citations
827	Microbiota and Food Allergy. Clinical Reviews in Allergy and Immunology, 2019, 57, 83-97.	2.9	98
828	Short-chain fatty acids increase TNFÎ±-induced inflammation in primary human lung mesenchymal cells through the activation of p38 MAPK. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L157-L174.	1.3	39
829	Fatty Acids, Gut Bacteria, and Immune Cell Function. , 2019, , 151-164.		8
830	Les prÃ©biotiquesÂ: une stratÃ©gie nutritionnelle pour prÃ©venir des allergies. Revue Francaise D'allergologie, 2019, 59, 90-101.	0.1	0
831	The Pathogenesis of Extraintestinal Manifestations: Implications for IBD Research, Diagnosis, and Therapy. Journal of Crohn's and Colitis, 2019, 13, 541-554.	0.6	112
832	Immunomodulatory effects of probiotics: Can they be used to treat allergies and autoimmune diseases?. Maturitas, 2019, 119, 25-38.	1.0	82
833	The Human Microbiota and Asthma. Clinical Reviews in Allergy and Immunology, 2019, 57, 350-363.	2.9	92
834	Microbiota and asthma: Clinical implications. Respiratory Medicine, 2019, 146, 28-35.	1.3	7
835	AllergoOncology: Microbiota in allergy and cancerâ€"A European Academy for Allergy and Clinical Immunology position paper. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1037-1051.	2.7	17
836	Recent Advances on Microbiota Involvement in the Pathogenesis of Autoimmunity. International Journal of Molecular Sciences, 2019, 20, 283.	1.8	52
837	Diet and Metabolism in the Evolution of Asthma and Obesity. Clinics in Chest Medicine, 2019, 40, 97-106.	0.8	31
838	High levels of butyrate and propionate in early life are associated with protection against atopy. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 799-809.	2.7	327
839	A next generation probiotic, Akkermansia muciniphila. Critical Reviews in Food Science and Nutrition, 2019, 59, 3227-3236.	5.4	244
840	The gut microbiome: Relationships with disease and opportunities for therapy. Journal of Experimental Medicine, 2019, 216, 20-40.	4.2	547
841	Mechanistic insights from human studies of asthma. , 2019, , 89-110.		0
842	Gut Microbial Metabolism and Nonalcoholic Fatty Liver Disease. Hepatology Communications, 2019, 3, 29-43.	2.0	27
843	Therapeutic potential of ectopic olfactory and taste receptors. Nature Reviews Drug Discovery, 2019, 18, 116-138.	21.5	188
844	Microbial balance in the intestinal microbiota and its association with diabetes, obesity and allergic disease. Microbial Pathogenesis, 2019, 127, 48-55.	1.3	79

#	Article	IF	Citations
845	Obesity and severe asthma. Allergology International, 2019, 68, 135-142.	1.4	82
846	Sex Differences in Pulmonary Responses to Ozone in Mice. Role of the Microbiome. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 198-208.	1.4	49
847	Loss of Gut Microbiota Alters Immune System Composition and Cripples Postinfarction Cardiac Repair. Circulation, 2019, 139, 647-659.	1.6	183
848	Obesity and the microbiome: Big changes on a small scale?. , 2019, , 281-300.		0
849	Critical Entry Pointsâ€"Microbiome. , 2019, , 15-19.		0
850	You are what you eat: diet, health and the gut microbiota. Nature Reviews Gastroenterology and Hepatology, 2019, 16, 35-56.	8.2	980
851	Highâ€production dairy cattle exhibit different rumen and fecal bacterial community and rumen metabolite profile than lowâ€production cattle. MicrobiologyOpen, 2019, 8, e00673.	1.2	38
852	The contribution of the gut microbiome to neurodevelopment and neuropsychiatric disorders. Pediatric Research, 2019, 85, 216-224.	1.1	104
853	Targeting the gut microbiota by dietary nutrients: A new avenue for human health. Critical Reviews in Food Science and Nutrition, 2019, 59, 181-195.	5.4	38
854	Fecal incontinence as a moderator between dietary intake and depressive symptoms among a sample of older adults obtained from the National Health and Nutrition Examination Survey (NHANES). Aging and Mental Health, 2019, 23, 222-232.	1.5	1
855	Dietary wheat amylase trypsin inhibitors exacerbate murine allergic airway inflammation. European Journal of Nutrition, 2019, 58, 1507-1514.	1.8	40
856	Diet, the Gut Microbiome, and Autoimmune Diseases. , 2020, , 331-342.		3
857	The impact of lung microbiota dysbiosis on inflammation. Immunology, 2020, 159, 156-166.	2.0	45
858	Association of Dietary Fiber and Yogurt Consumption With Lung Cancer Risk. JAMA Oncology, 2020, 6, e194107.	3.4	67
859	Production pectin oligosaccharides using Humicola insolens Y1-derived unusual pectate lyase. Journal of Bioscience and Bioengineering, 2020, 129, 16-22.	1.1	25
860	Long-term dietary fiber intake and risk of chronic obstructive pulmonary disease: a prospective cohort study of women. European Journal of Nutrition, 2020, 59, 1869-1879.	1.8	48
862	The effect of Plantago major seed and Almond gum on refractory asthma: A proof-of-concept study. Journal of Herbal Medicine, 2020, 19, 100297.	1.0	8
863	Free Fatty Acid Receptors in Health and Disease. Physiological Reviews, 2020, 100, 171-210.	13.1	502

#	Article	IF	Citations
864	Human Microbiome and Allergic Diseases in Children: Pathogenetic Role and Therapeutic Options. Current Pediatric Reviews, 2020, 16, 89-94.	0.4	8
865	The gut microbiome in tuberculosis susceptibility and treatment response: guilty or not guilty?. Cellular and Molecular Life Sciences, 2020, 77, 1497-1509.	2.4	48
866	Host defense mechanisms against Mycobacterium tuberculosis. Cellular and Molecular Life Sciences, 2020, 77, 1859-1878.	2.4	46
867	Influence of Commensal Microbiota and Metabolite for Mucosal Immunity. , 2020, , 143-164.		1
868	Alterations in Oral Microbiota in HIV Are Related to Decreased Pulmonary Function. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 445-457.	2.5	42
869	Microbiotaâ€dependent and â€independent effects of dietary fibre on human health. British Journal of Pharmacology, 2020, 177, 1363-1381.	2.7	72
870	Successful elevation of circulating acetate and propionate by dietary modulation does not alter T-regulatory cell or cytokine profiles in healthy humans: a pilot study. European Journal of Nutrition, 2020, 59, 2651-2661.	1.8	20
871	Mucosal Vaccines for Allergy and Tolerance. , 2020, , 855-868.		0
872	Alleviating chronic kidney disease progression through modulating the critical genus of gut microbiota in a cisplatin-induced Lanyu pig model. Journal of Food and Drug Analysis, 2020, 28, 103-114.	0.9	21
873	The role of innate immunity in asthma development and protection: Lessons from the environment. Clinical and Experimental Allergy, 2020, 50, 282-290.	1.4	18
874	The Airway Microbiome and Bronchopulmonary Dysplasia. , 2020, , 151-162.		0
875	The Evolving Microbiome from Pregnancy to Early Infancy: A Comprehensive Review. Nutrients, 2020, 12, 133.	1.7	98
876	Sex Differences in the Impact of Dietary Fiber on Pulmonary Responses to Ozone. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 503-512.	1.4	17
878	Organoids in immunological research. Nature Reviews Immunology, 2020, 20, 279-293.	10.6	200
879	Site-specific acylation of a bacterial virulence regulator attenuates infection. Nature Chemical Biology, 2020, 16, 95-103.	3.9	52
880	Dietary Patterns, Asthma, and Lung Function in the Hispanic Community Health Study/Study of Latinos. Annals of the American Thoracic Society, 2020, 17, 293-301.	1.5	29
881	Anti-obesity effects of Î±-amylase inhibitor enriched-extract from white common beans (<i>Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf obese rats. Food and Function, 2020, 11, 1624-1634.	2.1	41
882	Gut microbiota and immunology of the gastrointestinal tract. , 2020, , 63-78.		3

#	Article	IF	Citations
883	Potential correlation between carbohydrateâ€active enzyme family 48 expressed by gut microbiota and the expression of intestinal epithelial AMPâ€activated protein kinase Î². Journal of Food Biochemistry, 2020, 44, e13123.	1.2	2
884	The gut microbiome: an orchestrator of xenobiotic metabolism. Acta Pharmaceutica Sinica B, 2020, 10, 19-32.	5.7	154
885	More Arrows in the Ancient DNA Quiver: Use of Paleoepigenomes and Paleomicrobiomes to Investigate Animal Adaptation to Environment. Molecular Biology and Evolution, 2020, 37, 307-319.	3.5	13
886	Microbial interactions in the atopic march. Clinical and Experimental Immunology, 2019, 199, 12-23.	1.1	18
887	Regulation of mononuclear phagocyte function by the microbiota at mucosal sites. Immunology, 2020, 159, 26-38.	2.0	20
888	B cell-intrinsic epigenetic modulation of antibody responses by dietary fiber-derived short-chain fatty acids. Nature Communications, 2020, 11, 60.	5.8	190
889	Constipation might be associated with risk of allergic rhinitis: A nationwide population-based cohort study. PLoS ONE, 2020, 15, e0239723.	1.1	12
890	Human Respiratory and Gut Microbiomesâ€"Do They Really Contribute to Respiratory Health?. Frontiers in Pediatrics, 2020, 8, 528.	0.9	11
891	Alveolar Macrophages Are Key Players in the Modulation of the Respiratory Antiviral Immunity Induced by Orally Administered Lacticaseibacillus rhamnosus CRL1505. Frontiers in Immunology, 2020, 11, 568636.	2.2	21
892	Innate Immune Responses and Gut Microbiomes Distinguish HIV-Exposed from HIV-Unexposed Children in a Population-Specific Manner. Journal of Immunology, 2020, 205, 2618-2628.	0.4	13
893	Dietary Fibres and the Management of Obesity and Metabolic Syndrome: The RESOLVE Study. Nutrients, 2020, 12, 2911.	1.7	24
894	Links Between Inflammatory Bowel Disease and Chronic Obstructive Pulmonary Disease. Frontiers in Immunology, 2020, 11, 2144.	2.2	74
895	The Confounders of Cancer Immunotherapy: Roles of Lifestyle, Metabolic Disorders and Sociological Factors. Cancers, 2020, 12, 2983.	1.7	56
896	Multi-Omics Approaches: The Key to Improving Respiratory Health in People With Cystic Fibrosis?. Frontiers in Pharmacology, 2020, 11, 569821.	1.6	12
897	The Human Respiratory System and its Microbiome at a Glimpse. Biology, 2020, 9, 318.	1.3	113
898	Dynamic Interplay Between Microbiota and Mucosal Immunity in Early Shaping of Asthma and its Implication for the COVID-19 Pandemic . Journal of Asthma and Allergy, 2020, Volume 13, 369-383.	1.5	5
899	Nutritional composition of conserved Kadsura spp. plants in Northern Thailand. Heliyon, 2020, 6, e04451.	1.4	13
900	Nutrients and Nutraceuticals for Active & Healthy Ageing. , 2020, , .		1

#	Article	IF	Citations
901	Antiviral activity of a novel mixture of natural antimicrobials, in vitro, and in a chicken infection model in vivo. Scientific Reports, 2020, 10, 16631.	1.6	16
902	Initial butyrate producers during infant gut microbiota development are endospore formers. Environmental Microbiology, 2020, 22, 3909-3921.	1.8	49
903	Challenges in the Management of SARS-CoV2 Infection: The Role of Oral Bacteriotherapy as Complementary Therapeutic Strategy to Avoid the Progression of COVID-19. Frontiers in Medicine, 2020, 7, 389.	1.2	152
904	The Mediterranean diet and asthma. , 2020, , 327-336.		0
905	Fecal microbial transplantation and a high fiber diet attenuates emphysema development by suppressing inflammation and apoptosis. Experimental and Molecular Medicine, 2020, 52, 1128-1139.	3.2	53
906	No correlation between microbiota composition and blood parameters in nesting flatback turtles (Natator depressus). Scientific Reports, 2020, 10, 8333.	1.6	7
907	Interplay between Human Intestinal Microbiota and Gut-to-Brain Axis: Relationship with Autism Spectrum Disorders. , 2020, , .		2
908	The Gut Microbiota: How Does It Influence the Development and Progression of Liver Diseases. Biomedicines, 2020, 8, 501.	1.4	25
909	Disease-associated gut microbiome and metabolome changes in patients with chronic obstructive pulmonary disease. Nature Communications, 2020, 11, 5886.	5.8	194
910	Identification and Characterization of the Intra-Articular Microbiome in the Osteoarthritic Knee. International Journal of Molecular Sciences, 2020, 21, 8618.	1.8	13
911	NMR Profiling of Exhaled Breath Condensate Defines Different Metabolic Phenotypes of Non-Cystic Fibrosis bronchiectasis. International Journal of Molecular Sciences, 2020, 21, 8600.	1.8	8
912	The Impact of Air Pollution on Intestinal Microbiome of Asthmatic Children: A Panel Study. BioMed Research International, 2020, 2020, 1-13.	0.9	20
913	Fecal and Serum Metabolomic Signatures and Microbial Community Profiling of Postmenopausal Osteoporosis Mice Model. Frontiers in Cellular and Infection Microbiology, 2020, 10, 535310.	1.8	39
914	Gut Microbiota Status in COVID-19: An Unrecognized Player?. Frontiers in Cellular and Infection Microbiology, 2020, 10, 576551.	1.8	85
915	Potential role of the gut microbiota in neuromyelitis optica spectrum disorder: Implication for intervention. Journal of Clinical Neuroscience, 2020, 82, 193-199.	0.8	7
916	The role of short-chain fatty acids in immunity, inflammation and metabolism. Critical Reviews in Food Science and Nutrition, 2022, 62, 1-12.	5.4	231
917	Did the Brain and Oral Microbiota Talk to Each Other? A Review of the Literature. Journal of Clinical Medicine, 2020, 9, 3876.	1.0	30
918	Correlation Between Gut Microbiome Composition and Acute Pain Perception in Young Healthy Male Subjects. Pain Medicine, 2021, 22, 1522-1531.	0.9	7

#	Article	IF	Citations
919	Short-Chain Fatty Acids: A Soldier Fighting Against Inflammation and Protecting From Tumorigenesis in People With Diabetes. Frontiers in Immunology, 2020, 11, 590685.	2.2	41
920	Lipid receptors and signaling in adipose tissue. , 2020, , 99-114.		2
921	Health Impact and Therapeutic Manipulation of the Gut Microbiome. High-Throughput, 2020, 9, 17.	4.4	14
922	Impacts of extrusion processing on nutritional components in cereals and legumes: Carbohydrates, proteins, lipids, vitamins, and minerals. , 2020, , 415-443.		16
923	COVID-19: Looking Into the Overlooked. Frontiers in Molecular Biosciences, 2020, 7, 165.	1.6	2
924	Human Milk From Atopic Mothers Has Lower Levels of Short Chain Fatty Acids. Frontiers in Immunology, 2020, 11, 1427.	2.2	50
925	Go With Your Gut: The Shaping of T-Cell Response by Gut Microbiota in Allergic Asthma. Frontiers in Immunology, 2020, 11, 1485.	2.2	19
926	The Thrilling Journey of SARS-CoV-2 into the Intestine: From Pathogenesis to Future Clinical Implications. Inflammatory Bowel Diseases, 2020, 26, 1306-1314.	0.9	35
927	Acetate protects against intestinal ischemiaâ€reperfusion injury independent of its cognate free fatty acid 2 receptor. FASEB Journal, 2020, 34, 10418-10430.	0.2	12
928	Alterations in the Gut Microbiome and Cecal Metabolome During Klebsiella pneumoniae-Induced Pneumosepsis. Frontiers in Immunology, 2020, 11, 1331.	2.2	42
929	Machine Learning-Empowered FTIR Spectroscopy Serum Analysis Stratifies Healthy, Allergic, and SIT-Treated Mice and Humans. Biomolecules, 2020, 10, 1058.	1.8	11
930	Gut Microbiome Modulation for Preventing and Treating Pediatric Food Allergies. International Journal of Molecular Sciences, 2020, 21, 5275.	1.8	22
931	Highâ€dose dietary supplementation with zinc prevents gut inflammation: Investigation of the role of metallothioneins and beyond by transcriptomic and metagenomic studies. FASEB Journal, 2020, 34, 12615-12633.	0.2	20
932	Schizonepeta Tenuifolia with Alpinia Oxyphylla Alleviates Atopic Dermatitis and Improves the Gut Microbiome in Nc/Nga Mice. Pharmaceutics, 2020, 12, 722.	2.0	8
933	Consumption of a Western-Style Diet Modulates the Response of the Murine Gut Microbiome to Ciprofloxacin. MSystems, 2020, 5, .	1.7	23
934	Lung and gut microbiota are altered by hyperoxia and contribute to oxygen-induced lung injury in mice. Science Translational Medicine, 2020, 12, .	5.8	97
935	Association of Dietary Fiber on Asthma, Respiratory Symptoms, and Inflammation in the Adult National Health and Nutrition Examination Survey Population. Annals of the American Thoracic Society, 2020, 17, 1062-1068.	1.5	23
936	CoMNRank: An integrated approach to extract and prioritize human microbial metabolites from MEDLINE records. Journal of Biomedical Informatics, 2020, 109, 103524.	2.5	4

#	Article	IF	Citations
937	Human gut microbiota/microbiome in health and diseases: a review. Antonie Van Leeuwenhoek, 2020, 113, 2019-2040.	0.7	473
938	Maturation of the gut microbiome during the first year of life contributes to the protective farm effect on childhood asthma. Nature Medicine, 2020, 26, 1766-1775.	15.2	202
939	Undaria pinnatifida improves obesity-related outcomes in association with gut microbiota and metabolomics modulation in high-fat diet-fed mice. Applied Microbiology and Biotechnology, 2020, 104, 10217-10231.	1.7	17
940	Microbial signature in IgE-mediated food allergies. Genome Medicine, 2020, 12, 92.	3.6	60
941	Multi-omics analyses of radiation survivors identify radioprotective microbes and metabolites. Science, 2020, 370, .	6.0	260
942	Early origins of lung disease: towards an interdisciplinary approach. European Respiratory Review, 2020, 29, 200191.	3.0	21
943	Probiotics in Treatment of Viral Respiratory Infections and Neuroinflammatory Disorders. Molecules, 2020, 25, 4891.	1.7	50
944	The Ups and Downs of Metabolism during the Lifespan of a T Cell. International Journal of Molecular Sciences, 2020, 21, 7972.	1.8	21
945	The Impact of Milk and Its Components on Epigenetic Programming of Immune Function in Early Life and Beyond: Implications for Allergy and Asthma. Frontiers in Immunology, 2020, 11, 2141.	2.2	57
946	Self-Balance of Intestinal Flora in Spouses of Patients With Rheumatoid Arthritis. Frontiers in Medicine, 2020, 7, 538.	1.2	7
947	A Multi-Omics Approach Reveals New Signatures in Obese Allergic Asthmatic Children. Biomedicines, 2020, 8, 359.	1.4	12
948	Sources of Dietary Fiber Are Differently Associated with Prevalence of Depression. Nutrients, 2020, 12, 2813.	1.7	23
949	Insights into the Role of Bioactive Food Ingredients and the Microbiome in Idiopathic Pulmonary Fibrosis. International Journal of Molecular Sciences, 2020, 21, 6051.	1.8	16
950	Conventional Co-Housing Modulates Murine Gut Microbiota and Hematopoietic Gene Expression. International Journal of Molecular Sciences, 2020, 21, 6143.	1.8	10
951	Prophylactic effects of oral administration ofLactobacillus caseion house dust mite-induced asthma in mice. Food and Function, 2020, 11, 9272-9284.	2.1	15
952	Short-Chain Fatty Acids and Their Association with Signalling Pathways in Inflammation, Glucose and Lipid Metabolism. International Journal of Molecular Sciences, 2020, 21, 6356.	1.8	359
953	Gut microbiota is involved in the alleviation of loperamideâ€induced constipation by honey supplementation in mice. Food Science and Nutrition, 2020, 8, 4388-4398.	1.5	24
954	Primary prevention of asthma: from risk and protective factors to targeted strategies for prevention. Lancet, The, 2020, 396, 854-866.	6.3	139

#	Article	IF	Citations
955	Diet and Nutrients in Gastrointestinal Chronic Diseases. Nutrients, 2020, 12, 2693.	1.7	34
956	Role of probiotics to combat viral infections with emphasis on COVID-19. Applied Microbiology and Biotechnology, 2020, 104, 8089-8104.	1.7	122
957	LncRNA lncLy6C induced by microbiota metabolite butyrate promotes differentiation of Ly6Chigh to Ly6Cint/neg macrophages through lncLy6C/C/EBPÎ²/Nr4A1 axis. Cell Discovery, 2020, 6, 87.	3.1	18
958	The Metabolomics of Childhood Atopic Diseases: A Comprehensive Pathway-Specific Review. Metabolites, 2020, 10, 511.	1.3	19
959	Mechanisms Underlying the Skin-Gut Cross Talk in the Development of IgE-Mediated Food Allergy. Nutrients, 2020, 12, 3830.	1.7	21
960	Short-Chain Fatty Acids Promote Intracellular Bactericidal Activity in Head Kidney Macrophages From Turbot (Scophthalmus maximus L.) via Hypoxia Inducible Factor-1Î±. Frontiers in Immunology, 2020, 11, 615536.	2.2	23
961	AhR Activation Leads to Alterations in the Gut Microbiome with Consequent Effect on Induction of Myeloid Derived Suppressor Cells in a CXCR2-Dependent Manner. International Journal of Molecular Sciences, 2020, 21, 9613.	1.8	27
962	The Role of Prebiotics and Probiotics in Prevention of Allergic Diseases in Infants. Frontiers in Pediatrics, 2020, 8, 583946.	0.9	57
963	Microbiome dysbiosis in lung cancer: from composition to therapy. Npj Precision Oncology, 2020, 4, 33.	2.3	59
964	Shelter from the cytokine storm: pitfalls and prospects in the development of SARS-CoV-2 vaccines for an elderly population. Seminars in Immunopathology, 2020, 42, 619-634.	2.8	41
965	Mild heat stress changes the microbiota diversity in the respiratory tract and the cecum of layer-type pullets. Poultry Science, 2020, 99, 7015-7026.	1.5	19
966	High-Dietary Fiber Intake Alleviates Antenatal Obesity-Induced Postpartum Depression: Roles of Gut Microbiota and Microbial Metabolite Short-chain Fatty Acid Involved. Journal of Agricultural and Food Chemistry, 2020, 68, 13697-13710.	2.4	62
967	Microbiota-Derived Short-Chain Fatty Acids Promote LAMTOR2-Mediated Immune Responses in Macrophages. MSystems, 2020, 5, .	1.7	40
968	Do the Bugs in Your Gut Eat Your Memories? Relationship between Gut Microbiota and Alzheimerâ€™s Disease. Brain Sciences, 2020, 10, 814.	1.1	24
969	Microbiome Composition and Its Impact on the Development of Allergic Diseases. Frontiers in Immunology, 2020, 11, 700.	2.2	78
970	Dietary Habits and Nutrition in Rheumatoid Arthritis: Can Diet Influence Disease Development and Clinical Manifestations?. Nutrients, 2020, 12, 1456.	1.7	137
971	Host-microbe cross-talk in the lung microenvironment: implications for understanding and treating chronic lung disease. European Respiratory Journal, 2020, 56, 1902320.	3.1	17
972	Gu-Ben-Fang-Xiao Decoction Ameliorated Murine Asthma in Remission Stage by Modulating Microbiota-Acetate-Tregs Axis. Frontiers in Pharmacology, 2020, 11, 549.	1.6	21

#	Article	IF	Citations
973	Biostudy on Traditional Chinese Medicine Massa Medicata Fermentata. ACS Omega, 2020, 5, 10987-10994.	1.6	8
974	Microbiota-derived butyrate regulates intestinal inflammation: Focus on inflammatory bowel disease. Pharmacological Research, 2020, 159, 104947.	3.1	71
975	Gut microbiota and Covid-19- possible link and implications. Virus Research, 2020, 285, 198018.	1.1	452
976	A Soluble Fiber Diet Increases Bacteroides fragilis Group Abundance and Immunoglobulin A Production in the Gut. Applied and Environmental Microbiology, 2020, 86, .	1.4	54
977	Differences in airway microbiome and metabolome of single lung transplant recipients. Respiratory Research, 2020, 21, 104.	1.4	19
978	Dietary Î±-Linolenic Acid-Rich Flaxseed Oil Exerts Beneficial Effects on Polycystic Ovary Syndrome Through Sex Steroid Hormonesâ€"Microbiotaâ€"Inflammation Axis in Rats. Frontiers in Endocrinology, 2020, 11, 284.	1.5	86
979	Immunomodulation by Human Milk Oligosaccharides: The Potential Role in Prevention of Allergic Diseases. Frontiers in Immunology, 2020, 11, 801.	2.2	59
980	Nutrition Regulates Innate Immunity in Health and Disease. Annual Review of Nutrition, 2020, 40, 189-219.	4.3	41
981	Mahuang Fuzi Xixin Decoction Ameliorates Allergic Rhinitis in Rats by Regulating the Gut Microbiota and Th17/Treg Balance. Journal of Immunology Research, 2020, 2020, 1-11.	0.9	10
982	Free Fatty Acid Receptors 2 and 3 as Microbial Metabolite Sensors to Shape Host Health: Pharmacophysiological View. Biomedicines, 2020, 8, 154.	1.4	49
983	The impact of metabolites derived from the gut microbiota on immune regulation and diseases. International Immunology, 2020, 32, 629-636.	1.8	19
984	Emerging therapeutic targets and preclinical models for severe asthma. Expert Opinion on Therapeutic Targets, 2020, 24, 845-857.	1.5	5
985	Colonization by Enterobacteriaceae is crucial for acute inflammatory responses in murine small intestine via regulation of corticosterone production. Gut Microbes, 2020, 11, 1531-1546.	4.3	27
986	Gut Microbial Metabolites and Blood Pressure Regulation: Focus on SCFAs and TMAO. Physiology, 2020, 35, 275-284.	1.6	40
987	The Modulation of Mucosal Antiviral Immunity by Immunobiotics: Could They Offer Any Benefit in the SARS-CoV-2 Pandemic?. Frontiers in Physiology, 2020, 11, 699.	1.3	50
988	Exploring the Molecular Mechanisms Underlying the Protective Effects of Microbial SCFAs on Intestinal Tolerance and Food Allergy. Frontiers in Immunology, 2020, 11, 1225.	2.2	64
989	Crude Turmeric Extract Improves the Suppressive Effects of Lactobacillus rhamnosus GG on Allergic Inflammation in a Murine Model of House Dust Mite-Induced Asthma. Frontiers in Immunology, 2020, 11, 1092.	2.2	11
990	Intestinal Flora as a Potential Strategy to Fight SARS-CoV-2 Infection. Frontiers in Microbiology, 2020, 11, 1388.	1.5	78

#	Article	IF	Citations
991	Tryptophan Metabolites Along the Microbiota-Gut-Brain Axis: An Interkingdom Communication System Influencing the Gut in Health and Disease. International Journal of Tryptophan Research, 2020, 13, 117864692092898.	1.0	111
992	Faster Short-Chain Fatty Acid Absorption from the Cecum Following Polydextrose Ingestion Increases the Salivary Immunoglobulin A Flow Rate in Rats. Nutrients, 2020, 12, 1745.	1.7	6
993	Automatic extraction, prioritization and analysis of gut microbial metabolites from biomedical literature. Scientific Reports, 2020, 10, 9996.	1.6	2
994	Dietary patterns and asthma among Peruvian children and adolescents. BMC Pulmonary Medicine, 2020, 20, 63.	0.8	7
995	The Role of Gut Microbiota and Environmental Factors in Type 1 Diabetes Pathogenesis. Frontiers in Endocrinology, 2020, 11, 78.	1.5	96
996	Protective Effect of Glycomacropeptide on the Atopic Dermatitis-Like Dysfunctional Skin Barrier in Rats. Journal of Medicinal Food, 2020, 23, 1216-1224.	0.8	9
997	Gut Microbial-Derived Metabolomics of Asthma. Metabolites, 2020, 10, 97.	1.3	31
998	Endometriosis research in the -omics era. Gene, 2020, 741, 144545.	1.0	20
999	Fecal microbiota in horses with asthma. Journal of Veterinary Internal Medicine, 2020, 34, 996-1006.	0.6	11
1000	The Gut-Lung Axis in Health and Respiratory Diseases: A Place for Inter-Organ and Inter-Kingdom Crosstalks. Frontiers in Cellular and Infection Microbiology, 2020, 10, 9.	1.8	383
1001	Childhood Origins of Adult Lung Disease as Opportunities for Prevention. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 849-858.	2.0	30
1002	Structureâ€“Activity Relationship Studies of Tetrahydroquinolone Free Fatty Acid Receptor 3 Modulators. Journal of Medicinal Chemistry, 2020, 63, 3577-3595.	2.9	8
1003	Rapid and Accurate Simultaneous Determination of Seven Short-Chain Fatty Acids in Feces by Gas Chromatography â€“ Mass Spectrometry (GC-MS): Application in Type 2 Diabetic Rats and Drug Therapy. Analytical Letters, 2020, 53, 2320-2336.	1.0	5
1004	Microbiome and cancer immunotherapy. Current Opinion in Biotechnology, 2020, 65, 114-117.	3.3	13
1005	The short-chain free fatty acid receptor FFAR3 is expressed and potentiates contraction in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1248-L1260.	1.3	21
1006	Gut Microbiome and Osteoporosis. , 2020, 11, 438.		61
1007	Specific gut microbiome signature predicts the early-stage lung cancer. Gut Microbes, 2020, 11, 1030-1042.	4.3	138
1008	Role of diet in regulating the gut microbiota and multiple sclerosis. Clinical Immunology, 2022, 235, 108379.	1.4	19

#	Article	IF	Citations
1009	The role of nutrition in asthma prevention and treatment. Nutrition Reviews, 2020, 78, 928-938.	2.6	95
1010	The international sinonasal microbiome study: A multicentre, multinational characterization of sinonasal bacterial ecology. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2037-2049.	2.7	55
1011	Immunotoxicity evaluation by subchronic oral administration of clothianidin in Sprague-Dawley rats. Journal of Veterinary Medical Science, 2020, 82, 360-372.	0.3	13
1012	Butyrate inhibits human mast cell activation via epigenetic regulation of FcÎµRIâ€mediated signaling. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1966-1978.	2.7	92
1013	Training the Fetal Immune System Through Maternal Inflammationâ€"A Layered Hygiene Hypothesis. Frontiers in Immunology, 2020, 11, 123.	2.2	64
1014	Consumption of an Oil Palm Fruit Extract Promotes Large Bowel Health in Rats. Nutrients, 2020, 12, 644.	1.7	2
1015	Decreased amylolytic microbes of the hindgut and increased blood glucose implied improved starch utilization in the small intestine by feeding rumen-protected leucine in dairy calves. Journal of Dairy Science, 2020, 103, 4218-4235.	1.4	14
1016	Gut Dysbiosis during Influenza Contributes to Pulmonary Pneumococcal Superinfection through Altered Short-Chain Fatty Acid Production. Cell Reports, 2020, 30, 2934-2947.e6.	2.9	221
1017	The link â€œCancer and autoimmune diseasesâ€•in the light of microbiota: Evidence of a potential culprit. Immunology Letters, 2020, 222, 12-28.	1.1	14
1018	Health promoting microbial metabolites produced by gut microbiota after prebiotics metabolism. Food Research International, 2020, 136, 109473.	2.9	85
1019	Targeting the gutâ€"lung microbiota axis by means of a high-fibre diet and probiotics may have anti-inflammatory effects in COVID-19 infection. Therapeutic Advances in Respiratory Disease, 2020, 14, 175346662093717.	1.0	73
1020	Postbiotic-Enabled Targeting of the Host-Microbiota-Pathogen Interface: Hints of Antibiotic Decline?. Pharmaceutics, 2020, 12, 624.	2.0	20
1021	The use of fecal microbiota transplant in sepsis. Translational Research, 2020, 226, 12-25.	2.2	25
1022	Imbalance of GutStreptococcus,Clostridium, andAkkermansiaDetermines the Natural Course of Atopic Dermatitis in Infant. Allergy, Asthma and Immunology Research, 2020, 12, 322.	1.1	60
1023	Microbiota Modulating Nutritional Approaches to Countering the Effects of Viral Respiratory Infections Including SARS-CoV-2 through Promoting Metabolic and Immune Fitness with Probiotics and Plant Bioactives. Microorganisms, 2020, 8, 921.	1.6	46
1024	Microbeâ€Đerived Butyrate and Its Receptor, Free Fatty Acid Receptor 3, But Not Free Fatty Acid Receptor 2, Mitigate Neointimal Hyperplasia Susceptibility After Arterial Injury. Journal of the American Heart Association, 2020, 9, e016235.	1.6	13
1025	Crosstalk Between Gut Microbiota and Innate Immunity and Its Implication in Autoimmune Diseases. Frontiers in Immunology, 2020, 11, 282.	2.2	154
1026	Antibiotic use during pregnancy increases offspring asthma severity in a doseâ€dependent manner. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1979-1990.	2.7	49

#	Article	IF	Citations
1027	The Role of Lung and Gut Microbiota in the Pathology of Asthma. Immunity, 2020, 52, 241-255.	6.6	329
1028	Contrasting microbiotas between Finnish and Estonian infants: Exposure to Acinetobacter may contribute to the allergy gap. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2342-2351.	2.7	16
1029	Optimizing lifestyle interventions in adult patients with comorbid asthma and obesity. Therapeutic Advances in Respiratory Disease, 2020, 14, 175346662090632.	1.0	7
1030	A sensitive method for the quantification of short-chain fatty acids by benzyl chloroformate derivatization combined with GC-MS. Analyst, The, 2020, 145, 2692-2700.	1.7	23
1031	Gut Microbiota Plasticity Influences the Adaptability of Wild and Domestic Animals in Co-inhabited Areas. Frontiers in Microbiology, 2020, 11, 125.	1.5	23
1032	The microbiota and immuneâ€mediated diseases: Opportunities for therapeutic intervention. European Journal of Immunology, 2020, 50, 326-337.	1.6	39
1033	Imprinting of the immune system by the microbiota early in life. Mucosal Immunology, 2020, 13, 183-189.	2.7	153
1034	Development of the Microbiota and Associations With Birth Mode, Diet, and Atopic Disorders in a Longitudinal Analysis of Stool Samples, Collected From Infancy Through Early Childhood. Gastroenterology, 2020, 158, 1584-1596.	0.6	159
1035	Holly polyphenols alleviate intestinal inflammation and alter microbiota composition in lipopolysaccharide-challenged pigs. British Journal of Nutrition, 2020, 123, 881-891.	1.2	31
1036	Gut Microbiome as a Potential Factor for Modulating Resistance to Cancer Immunotherapy. Frontiers in Immunology, 2019, 10, 2989.	2.2	86
1037	Hypertension Is Associated With Intestinal Microbiota Dysbiosis and Inflammation in a Brazilian Population. Frontiers in Pharmacology, 2020, 11, 258.	1.6	70
1038	Modulation of Pectin on Mucosal Innate Immune Function in Pigs Mediated by Gut Microbiota. Microorganisms, 2020, 8, 535.	1.6	22
1039	Microbiota and metabolites in rheumatic diseases. Autoimmunity Reviews, 2020, 19, 102530.	2.5	23
1040	Lipid mediators and asthma: Scope of therapeutics. Biochemical Pharmacology, 2020, 179, 113925.	2.0	21
1041	Intestinal Flora and Disease Mutually Shape the Regional Immune System in the Intestinal Tract. Frontiers in Immunology, 2020, 11, 575.	2.2	152
1042	Impact of maternal dietary gut microbial metabolites on an offspringâ€™s systemic immune response in mouse models. Bioscience of Microbiota, Food and Health, 2020, 39, 33-38.	0.8	7
1043	Gastrointestinal host-pathogen interaction in the age of microbiome research. Current Opinion in Microbiology, 2020, 53, 78-89.	2.3	27
1044	Characterization of the flavor compounds in wheat bran and biochemical conversion for application in food. Journal of Food Science, 2020, 85, 1427-1437.	1.5	7

#	Article	IF	Citations
1045	Microbiota Metabolites in Health and Disease. Annual Review of Immunology, 2020, 38, 147-170.	9.5	138
1046	The G Protein-Coupled Receptor FFAR2 Promotes Internalization during Influenza A Virus Entry. Journal of Virology, 2020, 94, .	1.5	45
1047	Gut Microbiota and Pathogenesis of Organ Injury. Advances in Experimental Medicine and Biology, 2020, , .	0.8	7
1048	Microbiotaâ€“immune interactions in asthma pathogenesis and phenotype. Current Opinion in Immunology, 2020, 66, 22-26.	2.4	13
1049	Oral and nasal probiotic administration for the prevention and alleviation of allergic diseases, asthma and chronic obstructive pulmonary disease. Nutrition Research Reviews, 2021, 34, 1-16.	2.1	27
1050	Weight loss in obese children with asthma â€“ is it important?. Paediatric Respiratory Reviews, 2021, 37, 10-14.	1.2	6
1051	Induction of Regulatory T Cells and Correction of Cytokine Disbalance by Short-Chain Fatty Acids: Implications for Psoriasis Therapy. Journal of Investigative Dermatology, 2021, 141, 95-104.e2.	0.3	49
1052	Classical methods and perspectives for manipulating the human gut microbial ecosystem. Critical Reviews in Food Science and Nutrition, 2021, 61, 234-258.	5.4	13
1053	The human gut microbiota in people with amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2021, 22, 186-194.	1.1	49
1054	Do seasonal microbiome changes affect infection susceptibility, contributing to seasonal disease outbreaks?. BioEssays, 2021, 43, 2000148.	1.2	7
1055	Impact of diet and the bacterial microbiome on the mucous barrier and immune disorders. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 714-734.	2.7	66
1056	Mechanisms linking the human gut microbiome to prophylactic and treatment strategies for COVID-19. British Journal of Nutrition, 2021, 126, 219-227.	1.2	50
1057	Temporal airway microbiome changes related to ventilator-associated pneumonia in children. European Respiratory Journal, 2021, 57, 2001829.	3.1	16
1058	GPR43 regulates marginal zone Bâ€cell responses to foreign and endogenous antigens. Immunology and Cell Biology, 2021, 99, 234-243.	1.0	10
1059	Gut Microbiota: the Emerging Link to Lung Homeostasis and Disease. Journal of Bacteriology, 2021, 203, .	1.0	29
1060	MiR-21 Is Remotely Governed by the Commensal Bacteria and Impairs Anti-TB Immunity by Down-Regulating IFN-Î³. Frontiers in Microbiology, 2020, 11, 512581.	1.5	6
1061	Supplementing the Diet with Sodium Propionate Suppresses the Severity of Viral Immuno-inflammatory Lesions. Journal of Virology, 2021, 95, .	1.5	22
1062	International consensus statement on allergy and rhinology: rhinosinusitis 2021. International Forum of Allergy and Rhinology, 2021, 11, 213-739.	1.5	398

#	Article	IF	Citations
1063	Variations in fecal microbial profiles of acute exacerbations and stable chronic obstructive pulmonary disease. Life Sciences, 2021, 265, 118738.	2.0	14
1064	SARS-CoV-2 microbiome dysbiosis linked disorders and possible probiotics role. Biomedicine and Pharmacotherapy, 2021, 133, 110947.	2.5	73
1065	Oral Microbiota and Cancer Development. Pathobiology, 2021, 88, 116-126.	1.9	92
1066	Dysbiosis, malnutrition and enhanced gut-lung axis contribute to age-related respiratory diseases. Ageing Research Reviews, 2021, 66, 101235.	5.0	58
1067	In vitro fermentation of flaxseed polysaccharide by fecal bacteria inhibits energy intake and adipogenesis at physiological concentration. Food Research International, 2021, 139, 109920.	2.9	11
1068	Lactobacillus reuteri CCFM1072 and CCFM1040 with the role of Treg cells regulation alleviate airway inflammation through modulating gut microbiota in allergic asthma mice. Journal of Functional Foods, 2021, 76, 104286.	1.6	11
1069	Review article: Probiotics, prebiotics and dietary approaches during COVID-19 pandemic. Trends in Food Science and Technology, 2021, 108, 187-196.	7.8	74
1070	Gut microbiome, liver immunology, and liver diseases. Cellular and Molecular Immunology, 2021, 18, 4-17.	4.8	182
1071	The role of diet-derived short-chain fatty acids in regulating cardiac pressure overload. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H475-H486.	1.5	11
1072	Salmonella versus the Microbiome. Microbiology and Molecular Biology Reviews, 2021, 85, .	2.9	88
1073	Impact of gut microbiota: How it could play roles beyond the digestive system on development of cardiovascular and renal diseases. Microbial Pathogenesis, 2021, 152, 104583.	1.3	15
1074	The Gut Microbiome and Ozone-induced Airway Hyperresponsiveness. Mechanisms and Therapeutic Prospects. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 283-291.	1.4	14
1075	Early life microbial exposures and allergy risks: opportunities for prevention. Nature Reviews Immunology, 2021, 21, 177-191.	10.6	146
1076	Functional abdominal pain disorders and asthma: two disorders, but similar pathophysiology?. Expert Review of Gastroenterology and Hepatology, 2021, 15, 9-24.	1.4	2
1077	Influence of constipation on atopic dermatitis: A nationwide populationâ€based cohort study in Taiwan. International Journal of Clinical Practice, 2021, 75, e13691.	0.8	6
1078	Testing for Mediation Effect with Application to Human Microbiome Data. Statistics in Biosciences, 2021, 13, 313-328.	0.6	17
1079	Probiotics reduce self-reported symptoms of upper respiratory tract infection in overweight and obese adults: should we be considering probiotics during viral pandemics?. Gut Microbes, 2021, 13, 1-9.	4.3	28
1080	Bacteriotherapy for inflammatory bowel disease. Inflammation and Regeneration, 2021, 41, 3.	1.5	21

#	Article	IF	Citations
1081	GPR43 deficiency protects against podocyte insulin resistance in diabetic nephropathy through the restoration of AMPKÎ± activity. Theranostics, 2021, 11, 4728-4742.	4.6	33
1082	Association between maternal vegetable intake during pregnancy and allergy in offspring: Japan Environment and Childrenâ€™s Study. PLoS ONE, 2021, 16, e0245782.	1.1	8
1083	A Model System for Feralizing Laboratory Mice in Large Farmyard-Like Pens. Frontiers in Microbiology, 2020, 11, 615661.	1.5	11
1084	COVID-19 and Fast Foods Consumption: a Review. International Journal of Food Properties, 2021, 24, 203-209.	1.3	17
1085	Oral tolerance as antigen-specific immunotherapy. Immunotherapy Advances, 2021, 1, .	1.2	12
1086	Epigenomics of intestinal disease. , 2021, , 213-230.		0
1087	Targeting Microbiome: An Alternative Strategy for Fighting SARS-CoV-2 Infection. Chemotherapy, 2021, 66, 24-32.	0.8	22
1088	Role of nutraceuticals in respiratory and allied diseases. , 2021, , 101-115.		6
1089	Immunonutrition effects on coping with COVID-19. Food and Function, 2021, 12, 7637-7650.	2.1	4
1090	Targeting the gut microbiome: A brief report on the awareness, practice, and readiness to engage in clinical interventions in Qatar. Qatar Medical Journal, 2021, 2020, 47.	0.2	5
1091	The contribution of gut bacterial metabolites in the human immune signaling pathway of non-communicable diseases. Gut Microbes, 2021, 13, 1-22.	4.3	99
1092	Bacterial Microbiota-derived Extracellular Vesicles in Children With Allergic Airway Diseases: Compositional and Functional Features. Allergy, Asthma and Immunology Research, 2021, 13, 56.	1.1	18
1093	Microbiota, a New Playground for the Omega-3 Polyunsaturated Fatty Acids in Cardiovascular Diseases. Marine Drugs, 2021, 19, 54.	2.2	12
1094	Gut microbiota as the key controllers of â€œhealthyâ€•aging of elderly people. Immunity and Ageing, 2021, 18, 2.	1.8	161
1095	The emerging roles of the gut microbiome in allogeneic hematopoietic stem cell transplantation. Gut Microbes, 2021, 13, 1966262.	4.3	4
1096	Crosstalk Between Lung and Extrapulmonary Organs in Infection and Inflammation. Advances in Experimental Medicine and Biology, 2021, 1303, 333-350.	0.8	7
1097	Probiotics for Allergic Airway Infection and Inflammations. , 2021, , 295-313.		0
1098	Probiotics protect against RSV infection by modulating the microbiota-alveolar-macrophage axis. Acta Pharmacologica Sinica, 2021, 42, 1630-1641.	2.8	27

#	Article	IF	Citations
1099	A Mitochondrial Polymorphism Alters Immune Cell Metabolism and Protects Mice from Skin Inflammation. International Journal of Molecular Sciences, 2021, 22, 1006.	1.8	17
1100	Production of Psychoactive Metabolites by Gut Bacteria. Modern Trends in Psychiatry, 2021, 32, 74-99.	2.1	16
1101	Baicalin ameliorates Mycoplasma gallisepticum-induced inflammatory injury in the chicken lung through regulating the intestinal microbiota and phenylalanine metabolism. Food and Function, 2021, 12, 4092-4104.	2.1	33
1102	The microbiota in pneumonia: From protection to predisposition. Science Translational Medicine, 2021, 13, .	5.8	43
1103	Diet Modifications in Primary Prevention of Asthma. Where Do We Stand?. Nutrients, 2021, 13, 173.	1.7	9
1104	Short-Chain Fatty Acids as Therapeutic Agents in Colon Malignancies. , 2021, , 195-218.		1
1105	Pulmonary Micro-Ecological Changes and Potential Microbial Markers in Lung Cancer Patients. Frontiers in Oncology, 2020, 10, 576855.	1.3	7
1106	Acetate, a Short-Chain Fatty Acid, Acutely Lowers Heart Rate and Cardiac Contractility Along with Blood Pressure. Journal of Pharmacology and Experimental Therapeutics, 2021, 377, 39-50.	1.3	32
1107	Understanding Host Immunity and the Gut Microbiota Inspires the New Development of Vaccines and Adjuvants. Pharmaceutics, 2021, 13, 163.	2.0	7
1108	Oat Î²-glucan alleviates DSS-induced colitisviaregulating gut microbiota metabolism in mice. Food and Function, 2021, 12, 8976-8993.	2.1	33
1109	Polysaccharides in Food. , 2021, , 1401-1430.		0
1110	Gut Microbiota Influence in Hematological Malignancies: From Genesis to Cure. International Journal of Molecular Sciences, 2021, 22, 1026.	1.8	31
1111	Plant origin prebiotics affect duodenal brush border membrane functionality and morphology,in vivo(Gallus Gallus). Food and Function, 2021, 12, 6157-6166.	2.1	9
1112	Studies of xenobiotic-induced gut microbiota dysbiosis: from correlation to mechanisms. Gut Microbes, 2021, 13, 1921912.	4.3	19
1113	Carbohydrates great and small, from dietary fiber to sialic acids: How glycans influence the gut microbiome and affect human health. Gut Microbes, 2021, 13, 1-18.	4.3	41
1114	The Gut Microbiota, Nutrition, and Long-Term Disease Risk: A Mother and Child Perspective. , 2022, , 289-307.		1
1115	Tetrahydrocurcumin alleviates allergic airway inflammation in asthmatic mice by modulating the gut microbiota. Food and Function, 2021, 12, 6830-6840.	2.1	18
1116	Prebiotics Mechanism ofÂAction: An Over View. , 2021, , 137-148.		0

#	Article	IF	Citations
1117	The Impact of Changes in the Intake of Fiber and Antioxidants on the Development of Chronic Obstructive Pulmonary Disease. Nutrients, 2021, 13, 580.	1.7	7
1118	Microbiota Modulation of the Gut-Lung Axis in COVID-19. Frontiers in Immunology, 2021, 12, 635471.	2.2	138
1119	IL-4 and IL-17 Are Required for House Dust Mite-Driven Airway Hyperresponsiveness in Autoimmune Diabetes-Prone Non-Obese Diabetic Mice. Frontiers in Immunology, 2020, 11, 595003.	2.2	3
1120	Intestinal Bacteria Encapsulated by Biomaterials Enhance Immunotherapy. Frontiers in Immunology, 2020, 11, 620170.	2.2	3
1121	When a Neonate Is Born, So Is a Microbiota. Life, 2021, 11, 148.	1.1	33
1122	Eosinophilic Esophagitis and Microbiota: State of the Art. Frontiers in Immunology, 2021, 12, 595762.	2.2	16
1123	A Comparison of the In Vitro Effects of 2â€™Fucosyllactose and Lactose on the Composition and Activity of Gut Microbiota from Infants and Toddlers. Nutrients, 2021, 13, 726.	1.7	34
1124	Perinatal and Early-Life Nutrition, Epigenetics, and Allergy. Nutrients, 2021, 13, 724.	1.7	82
1125	Gut mycobiome: The probable determinative role of fungi in IBD patients. Mycoses, 2021, 64, 468-476.	1.8	29
1126	Antimicrobial Prophylaxis and Modifications of the Gut Microbiota in Children with Cancer. Antibiotics, 2021, 10, 152.	1.5	4
1127	The role of the intestinal microbiota in allogeneic HCT: clinical associations and preclinical mechanisms. Current Opinion in Genetics and Development, 2021, 66, 25-35.	1.5	11
1128	Ginkgolide B treatment regulated intestinal flora to improve high-fat diet induced atherosclerosis in ApoEâ^'/â^' mice. Biomedicine and Pharmacotherapy, 2021, 134, 111100.	2.5	27
1130	The autoimmune response as a potential target for tolerance induction before the development of rheumatoid arthritis. Lancet Rheumatology, The, 2021, 3, e214-e223.	2.2	1
1131	Bacteroides thetaiotaomicron Ameliorates Experimental Allergic Airway Inflammation via Activation of ICOS+Tregs and Inhibition of Th2 Response. Frontiers in Immunology, 2021, 12, 620943.	2.2	15
1132	Prebiotics in atopic dermatitis prevention and management. Journal of Functional Foods, 2021, 78, 104352.	1.6	7
1133	Next-Generation Sequencing Reveals the Progression of COVID-19. Frontiers in Cellular and Infection Microbiology, 2021, 11, 632490.	1.8	35
1134	Comparative analysis of the role of mast cells in murine asthma models using Kitâ€sufficient mast cellâ€deficient animals. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2030-2043.	2.7	0
1135	The role of short-chain fatty acids in intestinal barrier function, inflammation, oxidative stress, and colonic carcinogenesis. Pharmacological Research, 2021, 165, 105420.	3.1	245

#	Article	IF	Citations
1136	Gut microbiota-derived metabolites in the regulation of host immune responses and immune-related inflammatory diseases. Cellular and Molecular Immunology, 2021, 18, 866-877.	4.8	175
1137	Ultrafine particles altered gut microbial population and metabolic profiles in a sex-specific manner in an obese mouse model. Scientific Reports, 2021, 11, 6906.	1.6	6
1138	The microbiota is dispensable for the early stages of peripheral regulatory T cell induction within mesenteric lymph nodes. Cellular and Molecular Immunology, 2021, 18, 1211-1221.	4.8	17
1139	Perspective: Nutritional Strategies Targeting the Gut Microbiome to Mitigate COVID-19 Outcomes. Advances in Nutrition, 2021, 12, 1074-1086.	2.9	16
1140	Airway bacterial and fungal microbiome in chronic obstructive pulmonary disease. Medicine in Microecology, 2021, 7, 100035.	0.7	6
1141	Microbiota in Gut, Oral Cavity, and Mitral Valves Are Associated With Rheumatic Heart Disease. Frontiers in Cellular and Infection Microbiology, 2021, 11, 643092.	1.8	19
1142	Anti-Infective, Anti-Inflammatory, and Immunomodulatory Properties of Breast Milk Factors for the Protection of Infants in the Pandemic From COVID-19. Frontiers in Public Health, 2020, 8, 589736.	1.3	28
1143	The Gut/Lung Microbiome Axis in Obesity, Asthma, and Bariatric Surgery: A Literature Review. Obesity, 2021, 29, 636-644.	1.5	29
1145	The microbiome in obstructive sleep apnea. Sleep, 2021, 44, .	0.6	19
1147	Differences in the gut microbiota between young and elderly persons in Korea. Nutrition Research, 2021, 87, 31-40.	1.3	12
1148	The intersect of genetics, environment, and microbiota in asthmaâ€"perspectives and challenges. Journal of Allergy and Clinical Immunology, 2021, 147, 781-793.	1.5	31
1149	Processed foods drive intestinal barrier permeability and microvascular diseases. Science Advances, 2021, 7, .	4.7	80
1150	The triad: respiratory microbiome â€“ virus â€“ immune response in the pathophysiology of pulmonary viral infections. Expert Review of Respiratory Medicine, 2021, 15, 635-648.	1.0	4
1151	Redox-active nanoparticles for inflammatory bowel disease. Nano Research, 2021, 14, 2535-2557.	5.8	27
1152	Sodium Propionate Enhances Nrf2-Mediated Protective Defense Against Oxidative Stress and Inflammation in Lipopolysaccharide-Induced Neonatal Mice. Journal of Inflammation Research, 2021, Volume 14, 803-816.	1.6	12
1153	Fecal Microbiota Transplantation during and Post-COVID-19 Pandemic. International Journal of Molecular Sciences, 2021, 22, 3004.	1.8	25
1154	The Effects of Corticosteroids on the Respiratory Microbiome: A Systematic Review. Frontiers in Medicine, 2021, 8, 588584.	1.2	19
1155	High-fiber diets attenuate emphysema development via modulation of gut microbiota and metabolism. Scientific Reports, 2021, 11, 7008.	1.6	53

#	Article	IF	Citations
1156	The Role of Nutritional Factors in Asthma: Challenges and Opportunities for Epidemiological Research. International Journal of Environmental Research and Public Health, 2021, 18, 3013.	1.2	15
1157	Suppression of obesity and inflammation by polysaccharide from sporoderm-broken spore of Ganoderma lucidum via gut microbiota regulation. Carbohydrate Polymers, 2021, 256, 117594.	5.1	128
1158	Vitamin D and Microbiota: Is There a Link with Allergies?. International Journal of Molecular Sciences, 2021, 22, 4288.	1.8	42
1159	Role of Short Chain Fatty Acids and Apolipoproteins in the Regulation of Eosinophilia-Associated Diseases. International Journal of Molecular Sciences, 2021, 22, 4377.	1.8	10
1160	The Association Between Intestinal Bacteria and Allergic Diseasesâ€"Cause or Consequence?. Frontiers in Cellular and Infection Microbiology, 2021, 11, 650893.	1.8	27
1161	Control of lymphocyte functions by gut microbiota-derived short-chain fatty acids. Cellular and Molecular Immunology, 2021, 18, 1161-1171.	4.8	160
1162	The Gut Microbiome in Hypertension. Circulation Research, 2021, 128, 934-950.	2.0	86
1163	Butyrate Prevents TGF-Î²1-Induced Alveolar Myofibroblast Differentiation and Modulates Energy Metabolism. Metabolites, 2021, 11, 258.	1.3	13
1164	Phosphate, Microbiota and CKD. Nutrients, 2021, 13, 1273.	1.7	18
1165	The Sniffing Kidney: Roles for Renal Olfactory Receptors in Health and Disease. Kidney360, 2021, 2, 1056-1062.	0.9	5
1166	The impact of obesity on immune function in pediatric asthma. Current Opinion in Allergy and Clinical Immunology, 2021, 21, 202-215.	1.1	11
1167	Lung immune tone via gut-lung axis: gut-derived LPS and short-chain fatty acidsâ€™ immunometabolic regulation of lung IL-1Î², FFAR2, and FFAR3 expression. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L65-L78.	1.3	60
1168	Gut Microbiota and Antitumor Immunity: Potential Mechanisms for Clinical Effect. Cancer Immunology Research, 2021, 9, 365-370.	1.6	28
1169	Health effects of dietary sulfated polysaccharides from seafoods and their interaction with gut microbiota. Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 2882-2913.	5.9	36
1170	Asthma in the Precision Medicine Era: Biologics and Probiotics. International Journal of Molecular Sciences, 2021, 22, 4528.	1.8	35
1171	Short-Chain Fatty Acids, Maternal Microbiota and Metabolism in Pregnancy. Nutrients, 2021, 13, 1244.	1.7	81
1172	The link among microbiota, epigenetics, and disease development. Environmental Science and Pollution Research, 2021, 28, 28926-28964.	2.7	19
1173	Preventive oral supplementation with Bifidobacterium longum 51A alleviates oxazolone-induced allergic contact dermatitis-like skin inflammation in mice. Beneficial Microbes, 2021, 12, 199-209.	1.0	5

#	Article	IF	Citations
1175	Bacterialâ€“fungal interactions in the neonatal gut influence asthma outcomes later in life. ELife, 2021, 10, .	2.8	22
1176	Butyrate: A Link between Early Life Nutrition and Gut Microbiome in the Development of Food Allergy. Life, 2021, 11, 384.	1.1	16
1177	Short chain fatty acids and its producing organisms: An overlooked therapy for IBD?. EBioMedicine, 2021, 66, 103293.	2.7	281
1178	Role of Probiotic Bacilli in Developing Synbiotic Food: Challenges and Opportunities. Frontiers in Microbiology, 2021, 12, 638830.	1.5	18
1179	Probiotics/Prebiotics in Viral Respiratory Infections: Implication for Emerging Pathogens. Recent Patents on Biotechnology, 2021, 15, 112-136.	0.4	7
1180	Association of Increased Circulating Acetic Acid With Poor Survival in Pseudomonas aeruginosa Ventilator-Associated Pneumonia Patients. Frontiers in Cellular and Infection Microbiology, 2021, 11, 669409.	1.8	0
1181	Nutritional immunity: the impact of metals on lung immune cells and the airway microbiome during chronic respiratory disease. Respiratory Research, 2021, 22, 133.	1.4	32
1182	From the Role of Microbiota in Gut-Lung Axis to SARS-CoV-2 Pathogenesis. Mediators of Inflammation, 2021, 2021, 1-12.	1.4	17
1183	Ovalbumin-Induced Airway Inflammation Is Ameliorated in Dectin-1â€“Deficient Mice, in Which Pulmonary Regulatory T Cells Are Expanded through Modification of Intestinal Commensal Bacteria. Journal of Immunology, 2021, 206, 1991-2000.	0.4	9
1184	Microbiota, Epigenetics, and Trained Immunity. Convergent Drivers and Mediators of the Asthma Trajectory from Pregnancy to Childhood. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 802-808.	2.5	23
1185	4-CMTB Ameliorates Ovalbumin-Induced Allergic Asthma through FFA2 Activation in Mice. Biomolecules and Therapeutics, 2021, 29, 427-433.	1.1	6
1186	Rapid prototyping vaccine approach in mice against multiâ€drug resistant Gramâ€negative organisms from clinical isolates based on outer membrane vesicles. Microbiology and Immunology, 2021, 65, 214-227.	0.7	4
1187	Gut microbiota shape B cell in health and disease settings. Journal of Leukocyte Biology, 2021, 110, 271-281.	1.5	10
1188	Therapeutic approaches to coronavirus infection according to â€œOne Healthâ€•concept. Research in Veterinary Science, 2021, 136, 81-88.	0.9	1
1189	Implications of SCFAs on the Parameters of the Lipid and Hepatic Profile in Pregnant Women. Nutrients, 2021, 13, 1749.	1.7	20
1190	Gut microbiota restoration through fecal microbiota transplantation: a new atopic dermatitis therapy. Experimental and Molecular Medicine, 2021, 53, 907-916.	3.2	45
1191	Transferrable protection by gut microbes against STING-associated lung disease. Cell Reports, 2021, 35, 109113.	2.9	10
1192	Gut Microbiota, in the Halfway between Nutrition and Lung Function. Nutrients, 2021, 13, 1716.	1.7	41

#	Article	IF	Citations
1193	Management of patients with digestive diseases during the COVID-19 pandemic. Clinical Practice Guidelines by the Russian scientïï¬€ medical society of internal medicine (RSMSIM) and the Gastroenterological Scientïï¬€ Society of Russia (2nd edition). Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2021, , 5-82.	0.1	6
1194	Metabolic regulation on the immune environment of glioma through gut microbiota. Seminars in Cancer Biology, 2022, 86, 990-997.	4.3	20
1195	FFAR from the Gut Microbiome Crowd: SCFA Receptors in T1D Pathology. Metabolites, 2021, 11, 302.	1.3	9
1196	Immunological resilience and biodiversity for prevention of allergic diseases and asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 3613-3626.	2.7	32
1197	Role of Innate Immune System in Environmental Lung Diseases. Current Allergy and Asthma Reports, 2021, 21, 34.	2.4	9
1198	Understanding eco-immunology of bacterial zoonoses and alternative therapeutics toward "One Health". International Journal of One Health, 2021, 7, 104-115.	0.6	0
1199	Diet, obesity, and the gut microbiome as determinants modulating metabolic outcomes in a non-human primate model. Microbiome, 2021, 9, 100.	4.9	56
1200	Coaggregation of Asthma and Type 1 Diabetes in Children: A Narrative Review. International Journal of Molecular Sciences, 2021, 22, 5757.	1.8	7
1201	Medicinal plants used for the treatment of mucositis induced by oncotherapy: a systematic review. Supportive Care in Cancer, 2021, 29, 6981-6993.	1.0	13
1202	Comparison of the Gut Microbiota of Jeju and Thoroughbred Horses in Korea. Veterinary Sciences, 2021, 8, 81.	0.6	4
1203	Maternal Vegetable and Fruit Consumption during Pregnancy and Its Effects on Infant Gut Microbiome. Nutrients, 2021, 13, 1559.	1.7	19
1204	The influence of early-life microbial exposures on long-term respiratory health. Paediatric Respiratory Reviews, 2021, 40, 15-23.	1.2	4
1205	Influence of Age, Sex, and Diet on the Human Fecal Metabolome Investigated by ¹H NMR Spectroscopy. Journal of Proteome Research, 2021, 20, 3642-3653.	1.8	16
1206	Regulation of Tissue Immune Responses by Local Glucocorticoids at Epithelial Barriers and Their Impact on Interorgan Crosstalk. Frontiers in Immunology, 2021, 12, 672808.	2.2	14
1207	Role of lung and gut microbiota on lung cancer pathogenesis. Journal of Cancer Research and Clinical Oncology, 2021, 147, 2177-2186.	1.2	78
1208	Treatment of chronic airway diseases using nutraceuticals: Mechanistic insight. Critical Reviews in Food Science and Nutrition, 2022, 62, 7576-7590.	5.4	9
1209	CD8+ T cell metabolism in infection and cancer. Nature Reviews Immunology, 2021, 21, 718-738.	10.6	181
1210	Dietary Derived Propionate Regulates Pathogenic Fibroblast Function and Ameliorates Experimental Arthritis and Inflammatory Tissue Priming. Nutrients, 2021, 13, 1643.	1.7	12

#	Article	IF	Citations
1211	Acetate ameliorates nephrotoxicity in streptozotocin-nicotinamide-induced diabetic rats: Involvement of xanthine oxidase activity. Cytokine, 2021, 142, 155501.	1.4	11
1212	Metabolic regulation in the immune response to cancer. Cancer Communications, 2021, 41, 661-694.	3.7	23
1213	Correlations Between Intestinal Microbial Community and Hematological Profile in Native Tibetans and Han Immigrants. Frontiers in Microbiology, 2021, 12, 615416.	1.5	8
1214	Beyond probiotic legend: ESSAP gut microbiota health score to delineate SARS-COV-2 infection severity. British Journal of Nutrition, 2022, 127, 1180-1189.	1.2	18
1215	Novel GPR43 Agonists Exert an Anti-Inflammatory Effect in a Colitis Model. Biomolecules and Therapeutics, 2021, , .	1.1	12
1216	Altered IgA Response to Gut Bacteria Is Associated with Childhood Asthma in Peru. Journal of Immunology, 2021, 207, 398-407.	0.4	5
1217	The Gut Microbiota-Immunity Axis in ALS: A Role in Deciphering Disease Heterogeneity?. Biomedicines, 2021, 9, 753.	1.4	25
1218	Reduced fecal short-chain fatty acids levels and the relationship with gut microbiota in IgA nephropathy. BMC Nephrology, 2021, 22, 209.	0.8	27
1219	Bioderived materials that disarm the gut mucosal immune system: Potential lessons from commensal microbiota. Acta Biomaterialia, 2021, 133, 187-207.	4.1	4
1220	Role of innate immunity and myeloid cells in susceptibility to allergic disease. Annals of the New York Academy of Sciences, 2021, 1499, 42-53.	1.8	4
1221	Bioactive Dietary Fibers Selectively Promote Gut Microbiota to Exert Antidiabetic Effects. Journal of Agricultural and Food Chemistry, 2021, 69, 7000-7015.	2.4	42
1222	Diet Alters Entero-Mammary Signaling to Regulate the Breast Microbiome and Tumorigenesis. Cancer Research, 2021, 81, 3890-3904.	0.4	39
1223	Immune activities of polysaccharides isolated from Lycium barbarum L. What do we know so far?. , 2022, 229, 107921.		51
1224	Early Life Microbial Exposure and Immunity Training Effects on Asthma Development and Progression. Frontiers in Medicine, 2021, 8, 662262.	1.2	12
1225	A probiotic has differential effects on allergic airway inflammation in A/J and C57BL/6 mice and is correlated with the gut microbiome. Microbiome, 2021, 9, 134.	4.9	14
1226	Emerging role of nutritional short-chain fatty acids (SCFAs) against cancer via modulation of hematopoiesis. Critical Reviews in Food Science and Nutrition, 2023, 63, 827-844.	5.4	16
1227	Role of Endocrine System in the Regulation of Female Insect Reproduction. Biology, 2021, 10, 614.	1.3	28
1228	Clinical guidelines â€œChronic diarrhea in adultsâ€• Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2021, , 7-67.	0.1	5

#	Article	IF	Citations
1229	Microbiota and epigenetics: promising therapeutic approaches?. Environmental Science and Pollution Research, 2021, 28, 49343-49361.	2.7	15
1230	Gut microbiota-derived short-chain fatty acids regulate IL-17 production by mouse and human intestinal Î³Î´ TÂcells. Cell Reports, 2021, 36, 109332.	2.9	114
1231	The Importance of Metabolism for Immune Homeostasis in Allergic Diseases. Frontiers in Immunology, 2021, 12, 692004.	2.2	17
1232	Lipid Nutrition in Asthma. Cell Biochemistry and Biophysics, 2021, 79, 669-694.	0.9	4
1233	Gut Microbiota in Cancer Immune Response and Immunotherapy. Trends in Cancer, 2021, 7, 647-660.	3.8	136
1234	Effects of Differences in Resistant Starch Content of Rice on Intestinal Microbial Composition. Journal of Agricultural and Food Chemistry, 2021, 69, 8017-8027.	2.4	21
1235	Prebiotic Supplementation During Pregnancy Modifies the Gut Microbiota and Increases Metabolites in Amniotic Fluid, Driving a Tolerogenic Environment In Utero. Frontiers in Immunology, 2021, 12, 712614.	2.2	20
1236	The effects of increasing fruit and vegetable intake in children with asthma: A randomized controlled trial. Clinical and Experimental Allergy, 2021, 51, 1144-1156.	1.4	16
1237	Obesity-Induced Dysbiosis Exacerbates IFN-Î³ Production and Pulmonary Inflammation in the Mycobacterium tuberculosis Infection. Cells, 2021, 10, 1732.	1.8	6
1238	Pulmonary and intestinal microbiota dynamics during Gram-negative pneumonia-derived sepsis. Intensive Care Medicine Experimental, 2021, 9, 35.	0.9	9
1239	Low Dietary Fiber Intake Links Development of Obesity and Lupus Pathogenesis. Frontiers in Immunology, 2021, 12, 696810.	2.2	31
1240	Microbiota Signals during the Neonatal Period Forge Life-Long Immune Responses. International Journal of Molecular Sciences, 2021, 22, 8162.	1.8	9
1241	Nonâ€zeroâ€sum microbiome immune system interactions. European Journal of Immunology, 2021, 51, 2120-2136.	1.6	3
1242	Enhancing Checkpoint Inhibitor Therapy in Solid Tissue Cancers: The Role of Diet, the Microbiome & Microbiome-Derived Metabolites. Frontiers in Immunology, 2021, 12, 624434.	2.2	12
1243	Bifidobacteria-mediated immune system imprinting early in life. Cell, 2021, 184, 3884-3898.e11.	13.5	312
1244	The Role of Short-Chain Fatty Acids and Bile Acids in Intestinal and Liver Function, Inflammation, and Carcinogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 703218.	1.8	55
1245	Leaky Gut: Effect of Dietary Fiber and Fats on Microbiome and Intestinal Barrier. International Journal of Molecular Sciences, 2021, 22, 7613.	1.8	88
1246	Host factors facilitating SARSâ€CoVâ€2 virus infection and replication in the lungs. Cellular and Molecular Life Sciences, 2021, 78, 5953-5976.	2.4	19

#	Article	IF	Citations
1247	Understanding the Gastrointestinal Protective Effects of Polyphenols using Foodomics-Based Approaches. Frontiers in Immunology, 2021, 12, 671150.	2.2	17
1248	Diet-induced dysbiosis of the maternal gut microbiome in early life programming of neurodevelopmental disorders. Neuroscience Research, 2021, 168, 3-19.	1.0	15
1249	The Athlete and Gut Microbiome: Short-chain Fatty Acids as Potential Ergogenic Aids for Exercise and Training. International Journal of Sports Medicine, 2021, 42, 1143-1158.	0.8	13
1250	Role of the gutâ€“skin axis in IgE-mediated food allergy and atopic diseases. Current Opinion in Gastroenterology, 2021, 37, 557-564.	1.0	4
1251	The Role of Gut Microbiota in Lung Cancer: From Carcinogenesis to Immunotherapy. Frontiers in Oncology, 2021, 11, 720842.	1.3	35
1253	The gut microbiome-immune axis as a target for nutrition-mediated modulation of food allergy. Trends in Food Science and Technology, 2021, 114, 116-132.	7.8	42
1254	Short-Chain Fatty Acids as a Potential Treatment for Infections: a Closer Look at the Lungs. Infection and Immunity, 2021, 89, e0018821.	1.0	37
1255	Causative Microbes in Host-Microbiome Interactions. Annual Review of Microbiology, 2021, 75, 223-242.	2.9	9
1256	Autoimmunity and COVID-19 â€“ The microbiotal connection. Autoimmunity Reviews, 2021, 20, 102865.	2.5	25
1257	The promise of the gut microbiome as part of individualized treatment strategies. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 7-25.	8.2	60
1258	Microbiome analysis, the immune response and transplantation in the era of next generation sequencing. Human Immunology, 2021, 82, 883-901.	1.2	7
1259	25 Years of Research in Human Lactation: From Discovery to Translation. Nutrients, 2021, 13, 3071.	1.7	36
1260	Metabolic programming in dendritic cells tailors immune responses and homeostasis. Cellular and Molecular Immunology, 2022, 19, 370-383.	4.8	38
1261	Single-cell analysis pinpoints distinct populations of cytotoxic CD4 ⁺ T cells and an IL-10 ⁺ CD109 ⁺ T _H 2 cell population in nasal polyps. Science Immunology, 2021, 6, .	5.6	30
1262	Gut Microbiota and Type 2 Diabetes Mellitus: Association, Mechanism, and Translational Applications. Mediators of Inflammation, 2021, 2021, 1-12.	1.4	41
1263	Microbial Regulation of Host Physiology by Short-chain Fatty Acids. Trends in Microbiology, 2021, 29, 700-712.	3.5	396
1264	Critical appraisal of the mechanisms of gastrointestinal and hepatobiliary infection by COVID-19. American Journal of Physiology - Renal Physiology, 2021, 321, G99-G112.	1.6	12
1265	Metagenomic analysis revealed the potential role of gut microbiome in gout. Npj Biofilms and Microbiomes, 2021, 7, 66.	2.9	91

#	Article	IF	Citations
1266	Cellular and molecular mechanisms of allergic asthma. Molecular Aspects of Medicine, 2022, 85, 100995.	2.7	71
1267	Harness the functions of gut microbiome in tumorigenesis for cancer treatment. Cancer Communications, 2021, 41, 937-967.	3.7	18
1268	Bioactive Lipids and Their Derivatives in Biomedical Applications. Biomolecules and Therapeutics, 2021, 29, 465-482.	1.1	18
1269	GeGen QinLian decoction alleviate influenza virus infectious pneumonia through intestinal flora. Biomedicine and Pharmacotherapy, 2021, 141, 111896.	2.5	28
1270	The Dietary Fiber Pectin: Health Benefits and Potential for the Treatment of Allergies by Modulation of Gut Microbiota. Current Allergy and Asthma Reports, 2021, 21, 43.	2.4	57
1271	Protection against allergies: Microbes, immunity, and the farming effect. European Journal of Immunology, 2021, 51, 2387-2398.	1.6	24
1272	Human Milk Oligosaccharides: A Comprehensive Review towards Metabolomics. Children, 2021, 8, 804.	0.6	15
1273	Diet and Risk of Incident Lung Cancer: A Large Prospective Cohort Study in UK Biobank. American Journal of Clinical Nutrition, 2021, 114, 2043-2051.	2.2	38
1274	Influence of Diet on the Effect of the Probiotic Lactobacillus paracasei in Rats Suffering From Allergic Asthma. Frontiers in Microbiology, 2021, 12, 737622.	1.5	6
1275	Immunomodulatory Role of Nutrients: How Can Pulmonary Dysfunctions Improve?. Frontiers in Nutrition, 2021, 8, 674258.	1.6	17
1276	Full-Scale Clinical Data and Reshaped Intestinal Microbiome on a Short-Term Low-Phosphorus Diet among Healthy Adults. , 2021, 31, 448-458.		2
1277	The Fermented Soy Product ImmuBalanceTM Suppresses Airway Inflammation in a Murine Model of Asthma. Nutrients, 2021, 13, 3380.	1.7	3
1278	Gut Microbiome Alterations in COVID-19. Genomics, Proteomics and Bioinformatics, 2021, 19, 679-688.	3.0	62
1279	Controllers of cutaneous regulatory TÂcells: ultraviolet radiation and the skin microbiome. Biological Chemistry, 2021, 402, 1575-1581.	1.2	1
1280	Effects of total mixed ration with various silage on growth performance, serum parameters, ruminal fermentation, and bacteria community profile in beef cattle. Food Science and Nutrition, 2021, 9, 5959-5970.	1.5	4
1281	The maternal gut microbiome during pregnancy and offspring allergy and asthma. Journal of Allergy and Clinical Immunology, 2021, 148, 669-678.	1.5	55
1282	Mining the Gut Microbiota for Microbial-Based Therapeutic Strategies in Cancer Immunotherapy. Frontiers in Oncology, 2021, 11, 721249.	1.3	3
1283	Coronavirus disease 2019 and the gutâ€“lung axis. International Journal of Infectious Diseases, 2021, 113, 300-307.	1.5	23

#	Article	IF	Citations
1284	Microbiota-derived lactate promotes hematopoiesis and erythropoiesis by inducing stem cell factor production from leptin receptor+ niche cells. Experimental and Molecular Medicine, 2021, 53, 1319-1331.	3.2	21
1285	Gut Microbiota Modulation as a Potential Target for the Treatment of Lung Infections. Frontiers in Pharmacology, 2021, 12, 724033.	1.6	20
1286	High cellulose diet promotes intestinal motility through regulating intestinal immune homeostasis and serotonin biosynthesis. Biological Chemistry, 2022, 403, 279-292.	1.2	7
1287	The Specificity and Broad Multitarget Properties of Ligands for the Free Fatty Acid Receptors FFA3/GPR41 and FFA2/GPR43 and the Related Hydroxycarboxylic Acid Receptor HCA2/GPR109A. Pharmaceuticals, 2021, 14, 987.	1.7	4
1288	Airway administration of OM-85, a bacterial lysate, blocks experimental asthma by targeting dendritic cells and the epithelium/IL-33/ILC2 axis. Journal of Allergy and Clinical Immunology, 2022, 149, 943-956.	1.5	40
1289	Impact of orally-administered oligosaccharides in a murine model of food allergy. Journal of Functional Foods, 2021, 85, 104643.	1.6	4
1290	Protective effects of gut microbiota and gut microbiota-derived acetate on chicken colibacillosis induced by avian pathogenic Escherichia coli. Veterinary Microbiology, 2021, 261, 109187.	0.8	11
1291	Microbiota and human allergic diseases: the company we keep. Current Opinion in Immunology, 2021, 72, 215-220.	2.4	13
1292	The longitudinal and cross-sectional heterogeneity of the intestinal microbiota. Current Opinion in Microbiology, 2021, 63, 221-230.	2.3	21
1293	Alterations of gut microbiota in patients with active pulmonary tuberculosis in China: a pilot study. International Journal of Infectious Diseases, 2021, 111, 313-321.	1.5	14
1294	Purslane (Portulacae oleracea L.) attenuates cadmium-induced hepatorenal and colonic damage in mice: Role of chelation, antioxidant and intestinal microecological regulation. Phytomedicine, 2021, 92, 153716.	2.3	20
1295	Polysaccharide from Artocarpus heterophyllus Lam. (jackfruit) pulp modulates gut microbiota composition and improves short-chain fatty acids production. Food Chemistry, 2021, 364, 130434.	4.2	38
1296	The rich pharmacological activities of Magnolia officinalis and secondary effects based on significant intestinal contributions. Journal of Ethnopharmacology, 2021, 281, 114524.	2.0	27
1297	Perturbations associated with hungry gut microbiome and postbiotic perspectives to strengthen the microbiome health. Future Foods, 2021, 4, 100043.	2.4	12
1298	Microbiome Therapeutics in Respiratory Illnesses. , 2022, , 331-341.		0
1299	Endocrine Disruption and the Gut Microbiome. , 2022, , 355-376.		3
1300	Dietary Fiber and Human Papillomavirus Infection among US Women: The National Health and Nutrition Examination Survey, 2003â€“2016. Nutrition and Cancer, 2021, 73, 2515-2522.	0.9	1
1301	Gut microbiota in antiviral strategy from bats to humans: a missing link in COVID-19. Science China Life Sciences, 2021, 64, 942-956.	2.3	17

#	Article	IF	Citations
1302	The commensal consortium of the gut microbiome is associated with favorable responses to anti-programmed death protein 1 (PD-1) therapy in thoracic neoplasms. Cancer Biology and Medicine, 2021, 18, 0-0.	1.4	9
1303	Functional lower airways genomic profiling of the microbiome to capture active microbial metabolism. European Respiratory Journal, 2021, 58, 2003434.	3.1	34
1304	Gut microbiota impact on the peripheral immune response in non-alcoholic fatty liver disease related hepatocellular carcinoma. Nature Communications, 2021, 12, 187.	5.8	209
1305	Gut Microbiota Dysbiosis and COVID-19: Possible Links. , 2022, , 535-544.		5
1306	The Combined Effects of Magnesium Oxide and Inulin on Intestinal Microbiota and Cecal Short-Chain Fatty Acids. Nutrients, 2021, 13, 152.	1.7	5
1307	Gut Microbial Dysbiosis and Cardiovascular Diseases. , 2021, , .		0
1308	COVID-19 and the Microbiome: The Gut-Lung Connection. , 2022, , 442-458.		4
1310	Microbial metabolism of l-tyrosine protects against allergic airway inflammation. Nature Immunology, 2021, 22, 279-286.	7.0	52
1311	Maternal Î³Î´ T Cells Shape Offspring Pulmonary Type-2 Immunity in a Microbiota-Dependent Manner. SSRN Electronic Journal, 0, , .	0.4	0
1312	The modulatory effect and implication of gut microbiota on osteoporosis: from the perspective of â€œbrainâ€“gutâ€“boneâ€•axis. Food and Function, 2021, 12, 5703-5718.	2.1	37
1313	COVID-19 and Gut Microbiota: A Potential Connection. Indian Journal of Clinical Biochemistry, 2021, 36, 266-277.	0.9	31
1314	Gut microbiota mediates the effects of inulin on enhancing sulfomucin production and mucosal barrier function in a pig model. Food and Function, 2021, 12, 10967-10982.	2.1	9
1315	Epigenetic Regulation of Early Nutrition on Immune System. , 2017, , 1-12.		3
1316	The Hygiene Hypothesis. , 2016, , 77-96.		4
1317	Gut Microbiota and Renal Injury. Advances in Experimental Medicine and Biology, 2020, 1238, 93-106.	0.8	6
1318	Commensal bacteria in the upper respiratory tract regulate susceptibility to infection. Current Opinion in Immunology, 2020, 66, 42-49.	2.4	42
1319	Hostâ€“microbiota interactions in immune-mediated diseases. Nature Reviews Microbiology, 2020, 18, 521-538.	13.6	254
1320	Egg oil from Portunus trituberculatus alleviated obesity and regulated gut microbiota in mice. Scientific Reports, 2020, 10, 8454.	1.6	11

#	Article	IF	Citations
1321	Gut microbiome a promising target for management of respiratory diseases. Biochemical Journal, 2020, 477, 2679-2696.	1.7	28
1322	Dopamine is an aryl hydrocarbon receptor agonist. Biochemical Journal, 2020, 477, 3899-3910.	1.7	16
1323	Short-chain fatty acid, acylation and cardiovascular diseases. Clinical Science, 2020, 134, 657-676.	1.8	101
1324	Microbiota, NASH, HCC and the potential role of probiotics. Carcinogenesis, 2017, 38, 231-240.	1.3	125
1325	Interkingdom Communication and Regulation of Mucosal Immunity by the Microbiome. Journal of Infectious Diseases, 2021, 223, S236-S240.	1.9	10
1326	Gut microbiota and systemic immunity in health and disease. International Immunology, 2021, 33, 197-209.	1.8	34
1327	Metabolic networks of the human gut microbiota. Microbiology (United Kingdom), 2020, 166, 96-119.	0.7	22
1334	Microbiota-dependent signals are required to sustain TLR-mediated immune responses. JCI Insight, 2019, 4, .	2.3	36
1335	Gut microbiota modulate dendritic cell antigen presentation and radiotherapy-induced antitumor immune response. Journal of Clinical Investigation, 2019, 130, 466-479.	3.9	159
1336	Mechanisms of gastrointestinal allergic disorders. Journal of Clinical Investigation, 2019, 129, 1419-1430.	3.9	22
1337	Influences on allergic mechanisms through gut, lung, and skin microbiome exposures. Journal of Clinical Investigation, 2019, 129, 1483-1492.	3.9	50
1338	Singling out Th2 cells in eosinophilic esophagitis. Journal of Clinical Investigation, 2019, 129, 1830-1832.	3.9	10
1339	The gut-bone axis: how bacterial metabolites bridge the distance. Journal of Clinical Investigation, 2019, 129, 3018-3028.	3.9	195
1340	Sex-specific impact of asthma during pregnancy on infant gut microbiota. European Respiratory Journal, 2017, 50, 1700280.	3.1	20
1341	The earliy-life microbiome: the key to respiratory health?. , 2019, , 67-87.		2
1342	Vendor effects on murine gut microbiota and its influence on lipopolysaccharide-induced lung inflammation and Gram-negative pneumonia. Intensive Care Medicine Experimental, 2020, 8, 47.	0.9	12
1343	New perspectives on the regulation of type II inflammation in asthma. F1000Research, 2017, 6, 1014.	0.8	10
1344	Systemic instruction of cell-mediated immunity by the intestinal microbiome. F1000Research, 2018, 7, 1910.	0.8	12

#	Article	IF	Citations
1345	Metabolic phenotyping of the human microbiome. F1000Research, 2019, 8, 1956.	0.8	12
1346	Disentangling metabolic functions of bacteria in the honey bee gut. PLoS Biology, 2017, 15, e2003467.	2.6	270
1347	Non Digestible Oligosaccharides Modulate the Gut Microbiota to Control the Development of Leukemia and Associated Cachexia in Mice. PLoS ONE, 2015, 10, e0131009.	1.1	109
1348	Dietary Fiber Intake Regulates Intestinal Microflora and Inhibits Ovalbumin-Induced Allergic Airway Inflammation in a Mouse Model. PLoS ONE, 2016, 11, e0147778.	1.1	80
1349	High Fat Diet Inhibits Dendritic Cell and T Cell Response to Allergens but Does Not Impair Inhalational Respiratory Tolerance. PLoS ONE, 2016, 11, e0160407.	1.1	22
1350	Impact of Environmental Microbes on the Composition of the Gut Microbiota of Adult BALB/c Mice. PLoS ONE, 2016, 11, e0160568.	1.1	6
1351	Impact of Gluten-Friendly Bread on the Metabolism and Function of In Vitro Gut Microbiota in Healthy Human and Coeliac Subjects. PLoS ONE, 2016, 11, e0162770.	1.1	24
1352	G Protein-Coupled Receptor 43 Modulates Neutrophil Recruitment during Acute Inflammation. PLoS ONE, 2016, 11, e0163750.	1.1	48
1353	Differing roles for short chain fatty acids and GPR43 agonism in the regulation of intestinal barrier function and immune responses. PLoS ONE, 2017, 12, e0180190.	1.1	92
1354	Effect of acute ozone exposure on the lung metabolomes of obese and lean mice. PLoS ONE, 2017, 12, e0181017.	1.1	13
1355	Immune-modulatory genomic properties differentiate gut microbiota of infants with and without eczema. PLoS ONE, 2017, 12, e0184955.	1.1	12
1356	Effect of antibiotic gut microbiota disruption on LPS-induced acute lung inflammation. PLoS ONE, 2020, 15, e0241748.	1.1	17
1357	A Potential Role for Photobiomodulation Therapy in Disease Treatment and Prevention in the Era of COVID-19. , 2020, 11, 1352.		10
1358	Early life microbiome perturbation alters pulmonary responses to ozone in male mice. Physiological Reports, 2020, 8, e14290.	0.7	14
1359	The Gutâ€“Lung Axis in Respiratory Disease. Annals of the American Thoracic Society, 2015, 12, S150-S156.	1.5	416
1360	Gut Microbiota and Allergic Disease. New Insights. Annals of the American Thoracic Society, 2016, 13, S51-S54.	1.5	44
1361	Potential Role of the Lung Microbiome in Shaping Asthma Phenotypes. Annals of the American Thoracic Society, 2017, 14, S326-S331.	1.5	31
1362	The Hygiene Hypothesis in the Age of the Microbiome. Annals of the American Thoracic Society, 2017, 14, S348-S353.	1.5	88

#	Article	IF	Citations
1363	The Impact of Diet on Immunity and Respiratory Diseases. Annals of the American Thoracic Society, 2017, 14, S339-S347.	1.5	62
1364	Impact of the Microbiome on the Immune System. Critical Reviews in Immunology, 2019, 39, 313-328.	1.0	27
1365	The Intestinal Microbiota Plays as a Protective Regulator Against Radiation Pneumonitis. Radiation Research, 2020, 194, 52.	0.7	10
1366	Impact of Physical Exercise on Gut Microbiome, Inflammation, and the Pathobiology of Metabolic Disorders. Review of Diabetic Studies, 2019, 15, 35-48.	0.5	67
1367	Goat milk in the diet of children with gastrointestinal functional disorders. Meditsinskiy Sovet, 2020, , 103-109.	0.1	2
1368	The gut and the inflammatory bowel diseases inside-out: extra-intestinal manifestations. Minerva Gastroenterologica E Dietologica, 2020, 65, 309-318.	2.2	32
1369	Symposium review: Dairy-derived oligosaccharidesâ€"Their influence on hostâ€"microbe interactions in the gastrointestinal tract of infants. Journal of Dairy Science, 2020, 103, 3816-3827.	1.4	23
1370	Role of Lung Microbiome in Innate Immune Response Associated With Chronic Lung Diseases. Frontiers in Medicine, 2020, 7, 554.	1.2	43
1371	Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-MÏ-Nuclear Factor-ÎºB-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice. Frontiers in Pharmacology, 2020, 11, 558525.	1.6	47
1372	Molecules Produced by Probiotics and Intestinal Microorganisms with Immunomodulatory Activity. Nutrients, 2020, 12, 391.	1.7	74
1373	One more role for the gut: microbiota and blood brain barrier. Annals of Translational Medicine, 2016, 4, 15.	0.7	24
1374	Oral Administration of Â¥ Glucan and Lactobacillus plantarum Alleviates Atopic Dermatitis-Like Symptoms. Journal of Microbiology and Biotechnology, 2019, 29, 1693-1706.	0.9	28
1375	Alteration of Lung and Gut Microbiota in IL-13-Transgenic Mice Simulating Chronic Asthma. Journal of Microbiology and Biotechnology, 2020, 30, 1819-1826.	0.9	15
1376	FFA2 Activation Ameliorates 2,4-Dinitrochlorobenzene-Induced Atopic Dermatitis in Mice. Biomolecules and Therapeutics, 2020, 28, 267-271.	1.1	9
1377	Correlation of severity of functional gastrointestinal disease symptoms with that of asthma and chronic obstructive pulmonary disease: A multicenter study. International Journal of Applied & Basic Medical Research, 2018, 8, 83.	0.2	12
1378	Beyond Hygiene: Commensal Microbiota and Allergic Diseases. Immune Network, 2017, 17, 48.	1.6	20
1379	Inter-Organ Relationships among Gut, Lung and Skin beyond the Pathogenesis of Allergies: Relevance to the Zang-Fu Theory in Chinese Medicine. Chinese Medicine, 2017, 08, 73-81.	1.0	5
1380	Lung microbiome in healthy and diseased individuals. World Journal of Respirology, 2017, 7, 39.	0.5	13

#	Article	IF	Citations
1381	Interleukin-2/antibody complex expanding Foxp3+ regulatory T cells exacerbates Th2-mediated allergic airway inflammation. BMB Reports, 2019, 52, 283-288.	1.1	7
1382	Effect of Diet Change on Gut Microbiota: Observational Pilot Study of Four Urban Couples. Journal of Obesity and Metabolic Syndrome, 2017, 26, 257-265.	1.5	3
1383	Dietary fermented products usingkojimold and sweet potato-shochudistillery by-product promotes hepatic and serum cholesterol levels and modulates gut microbiota in mice fed a high-cholesterol diet. PeerJ, 2019, 7, e7671.	0.9	10
1384	Coronavirus and Nutrition: An Approach for Boosting Immune System-A Review. European Journal of Nutrition & Food Safety, 0, , 72-86.	0.2	4
1385	Nutritional Neuroscience as Mainstream of Psychiatry: The Evidence- Based Treatment Guidelines for Using Omega-3 Fatty Acids as a New Treatment for Psychiatric Disorders in Children and Adolescents. Clinical Psychopharmacology and Neuroscience, 2020, 18, 469-483.	0.9	33
1386	Alpha-Cyclodextrin Functions as a Dietary Fiber. , 2021, , 255-276.		0
1387	Understanding the Interplay Between the Host Immuneâ€“Microbiome Interactions: A State of the Art Review. , 2021, , 123-141.		1
1388	Does Altered Cellular Metabolism Underpin the Normal Changes to the Maternal Immune System during Pregnancy?. Immunometabolism, 2021, 3, e210031.	0.7	7
1389	A Systematic Review on Crosstalk Between Microbiome and Immune System. , 2021, , 35-51.		1
1390	Dynamics of Respiratory Microbiome Profiles Contributes to Imbalance and Lung Dysbiosis in the Respiratory Tract. , 2021, , 101-121.		0
1391	Immunopathogenesis of Aspergillosis. , 0, , .		2
1392	Lactobacillus plantarum ZJUFB2 Prevents High Fat Diet-Induced Insulin Resistance in Association With Modulation of the Gut Microbiota. Frontiers in Nutrition, 2021, 8, 754222.	1.6	7
1393	The gut microbiome as a biomarker of differential susceptibility to SARS-CoV-2. Trends in Molecular Medicine, 2021, 27, 1115-1134.	3.5	37
1394	Bacterial metabolites and cardiovascular risk in children with chronic kidney disease. Molecular and Cellular Pediatrics, 2021, 8, 17.	1.0	3
1395	The Role of Microbiota in Infant Health: From Early Life to Adulthood. Frontiers in Immunology, 2021, 12, 708472.	2.2	87
1396	Role of Gut Microbiome in COVID-19: An Insight Into Pathogenesis and Therapeutic Potential. Frontiers in Immunology, 2021, 12, 765965.	2.2	46
1397	Gut Microbiota Contributes to Host Defense Against Klebsiella pneumoniae-Induced Liver Abscess. Journal of Inflammation Research, 2021, Volume 14, 5215-5225.	1.6	10
1399	Role of the gut microbiota in airway immunity and host defense against respiratory infections. Biological Chemistry, 2021, 402, 1481-1491.	1.2	7

#	Article	IF	Citations
1400	Pharmacological Modulation of Immune Responses by Nutritional Components. Pharmacological Reviews, 2021, 73, 1369-1403.	7.1	11
1401	Hostâ€“Microbiota Interactions in the Esophagus During Homeostasis and Allergic Inflammation. Gastroenterology, 2022, 162, 521-534.e8.	0.6	24
1402	Efficacy and safety of a gut health product (Actbiome) prepared by incorporation of asafoetida-curcumin complex onto the turmeric dietary fiber in the management of gut health and intestinal microflora in healthy subjects: A randomized, double-blind, placebo controlled study. Bioactive Carbohydrates and Dietary Fibre, 2021, 26, 100280.	1.5	3
1403	Dietary Influence of the Gut Microbiome Potential Hazards and Benefits. , 2014, 04, .		0
1404	Innate Immunity of Epidermis (1). Nishinihon Journal of Dermatology, 2014, 76, 366-371.	0.0	0
1405	Gut Commensal Microbes and the Gut Immune System. Microbiology Monographs, 2015, , 149-166.	0.3	0
1406	Gut Microbiome, Obesity and Metabolic Syndrome. , 2015, , 1-14.		2
1407	Dietary or Supplementary Intake Modulates Inflammatory Response in Asthma Response in Asthma. Global Journal of Allergy, 0, , 029-034.	0.0	0
1408	House Dust Mite Extract and Cytokine Instillation of Mouse Airways and Subsequent Cellular Analysis. Bio-protocol, 2016, 6, .	0.2	2
1409	GPR41/FFAR3. , 2016, , 1-6.		0
1410	The Human Microbiome in Hematologic Malignancies. Hematology & Transfusion International Journal, 2016, 2, .	0.1	0
1411	The Role of the Gut in Type 2 Immunity. Birkhauser Advances in Infectious Diseases, 2017, , 145-165.	0.3	0
1413	Chapter 10 The intestinal microbiota and allergic and auto-immune disorders in children. , 2017, , 179-195.		2
1414	Overview of Prebiotics: Membership, Physiological Effects and their Health Attributes. , 2018, , 289-348.		3
1415	Microbiota and allergy. Nihon Shoni Arerugi Gakkaishi the Japanese Journal of Pediatric Allergy and Clinical Immunology, 2018, 32, 1-8.	0.0	0
1416	Short chain fatty acids induce tissue plasminogen activator (t-PA) from airway epithelial cells. Journal of Japan Society of Immunology & Allergology in Otolaryngology, 2018, 36, 239-243.	0.0	0
1417	GPR41/FFAR3. , 2018, , 2194-2200.		0
1420	PREBIOTICS IN NUTRITION OF CHILDREN OF EARLY AGE. Rossiyskiy Vestnik Perinatologii I Pediatrii, 2018, 63, 113-117.	0.1	0

#	Article	IF	Citations
1421	The human microbiome and role of probiotics in the prevention of atopic dermatitis. Nihon Shoni Arerugi Gakkaishi the Japanese Journal of Pediatric Allergy and Clinical Immunology, 2019, 33, 26-34.	0.0	0
1422	The lung microbiome in obstructive airways disease: potential pathogenetic roles. , 2019, , 140-157.		0
1423	Intestinal Short-Chain Fatty Acids in Patients with Bronchial Asthma. Russian Journal of Gastroenterology Hepatology Coloproctology, 2019, 29, 53-59.	0.2	6
1424	Metabolic dysfunction and severe asthma. , 2019, , 195-210.		0
1426	La consommation de prÃ©biotiques par la mÃ¨re limite la survenue dâ€™allergie chez la descendance. Cahiers De Nutrition Et De Dietetique, 2019, 54, 215-222.	0.2	0
1427	Practical Considerations in Management of Obesity-Associated Asthma. Respiratory Medicine, 2020, , 229-241.	0.1	0
1429	Polysaccharides in Food. , 2020, , 1-30.		0
1431	Recovery of the Intestinal Microbiota Metabolic Activity in Patients with Bronchial Asthma. Russian Journal of Gastroenterology Hepatology Coloproctology, 2020, 30, 26-33.	0.2	0
1434	The Role of CD4+ T Cells and Microbiota in the Pathogenesis of Asthma. International Journal of Molecular Sciences, 2021, 22, 11822.	1.8	23
1435	Alterations of lung microbial communities in obese allergic asthma and metabolic potential. PLoS ONE, 2021, 16, e0256848.	1.1	2
1436	Butyric Acid Protects Against Renal Ischemiaâ€“Reperfusion Injury by Adjusting the Treg/Th17 Balance via HO-1/p-STAT3 Signaling. Frontiers in Cell and Developmental Biology, 2021, 9, 733308.	1.8	5
1437	Clinical and echographic signs of acute kidney injury in premature babies born with very low and extremely low body weight. Meditsinskiy Sovet, 2021, , 175-181.	0.1	0
1438	The role of healthy diet in bronchial asthma. Profilakticheskaya Meditsina, 2020, 23, 119.	0.2	1
1439	Dietary factors associated with inflammatory laryngeal disease in South Korea. PLoS ONE, 2020, 15, e0244216.	1.1	1
1440	Features of intestinal damage in COVID-19. Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2020, , 16-22.	0.1	0
1441	Three main short-chain fatty acids inhibit the activation of THP-1 cells byMycoplasma pneumoniae. Bioscience, Biotechnology and Biochemistry, 2021, 85, 923-930.	0.6	5
1442	The peanut snack that triggered a fresh approach to allergy prevention. Nature, 2020, 588, S14-S16.	13.7	2
1443	Microbes in human oral cavity: a review. Reviews in Medical Microbiology, 2021, 32, 75-82.	0.4	5

#	Article	IF	Citations
1444	The immune system and the microbiota: The two sides of mucosal tolerance. , 2022, , 297-315.		1
1445	Baicalin inhibits APEC-induced lung injury by regulating gut microbiota and SCFA production. Food and Function, 2021, 12, 12621-12633.	2.1	24
1446	Dietary Fiber and Aging. , 2020, , 111-145.		2
1447	The respiratory system, the microbiome and nutrition â€“ new frontiers. Medic Ro, 2020, 6, 46.	0.0	1
1448	Allergie, Mikrobiom und weitere epigenetische Faktoren. , 2020, , 47-118.		0
1449	The Microbiome in Liver Diseases. , 2020, , 205-210.		0
1450	Gut microbiota in a population highly affected by obesity and type 2 diabetes and susceptibility to COVID-19. World Journal of Gastroenterology, 2021, 27, 7065-7079.	1.4	6
1451	Non-IgE-Mediated Gastrointestinal Food Protein-Induced Allergic Disorders. Clinical Perspectives and Analytical Approaches. Foods, 2021, 10, 2662.	1.9	8
1452	Gut microbiome, Vitamin D, ACE2 interactions are critical factors in immune-senescence and inflammaging: key for vaccine response and severity of COVID-19 infection. Inflammation Research, 2022, 71, 13-26.	1.6	10
1453	Vps33B in Dendritic Cells Regulates House Dust Miteâ€“Induced Allergic Lung Inflammation. Journal of Immunology, 2021, 207, 2649-2659.	0.4	2
1454	Altered diversity and composition of gut microbiota in patients with allergic rhinitis. Microbial Pathogenesis, 2021, 161, 105272.	1.3	22
1457	Sodium butyrate protects against lipopolysaccharide-induced liver injury partially via the GPR43/Î²-arrestin-2/NF-ÎºB network. Gastroenterology Report, 2021, 9, 154-165.	0.6	19
1458	The evolution of the concept of the intestinal microbial-tissue complex. Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2020, 183, 4-10.	0.1	3
1460	Breathing Better Through Bugs: Asthma and the Microbiome. Yale Journal of Biology and Medicine, 2016, 89, 309-324.	0.2	14
1461	Striking a Balance with Help from our Little Friends - How the Gut Microbiota Contributes to Immune Homeostasis. Yale Journal of Biology and Medicine, 2016, 89, 389-395.	0.2	24
1462	Evidence Supporting a Phased Immuno-physiological Approach to COVID-19 From Prevention Through Recovery. Integrative Medicine, 2020, 19, 8-35.	0.1	8
1463	The protective role of short-chain fatty acids acting as signal molecules in chemotherapy- or radiation-induced intestinal inflammation. American Journal of Cancer Research, 2020, 10, 3508-3531.	1.4	4
1464	Epigenetics and precision medicine in allergic diseases. , 2022, , 407-448.		0

#	Article	IF	Citations
1465	2021 American Thoracic Society BEAR Cage Winning Proposal: Microbiome Transplant in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 13-16.	2.5	6
1466	Azithromycin pretreatment exacerbates atopic dermatitis in trimellitic anhydride-induced model mice accompanied by correlated changes in the gut microbiota and serum cytokines. International Immunopharmacology, 2022, 102, 108388.	1.7	4
1467	Dietary Fibers: Effects, Underlying Mechanisms and Possible Role in Allergic Asthma Management. Nutrients, 2021, 13, 4153.	1.7	17
1468	The immunology of sepsis. Immunity, 2021, 54, 2450-2464.	6.6	263
1469	The interaction among gut microbes, the intestinal barrier and short chain fatty acids. Animal Nutrition, 2022, 9, 159-174.	2.1	59
1470	The Role of Gut and Lung Microbiota in Susceptibility to Tuberculosis. International Journal of Environmental Research and Public Health, 2021, 18, 12220.	1.2	16
1471	Remote regulation of type 2 immunity by intestinal parasites. Seminars in Immunology, 2021, 53, 101530.	2.7	4
1472	Lactoferrin Ameliorates Dry Eye Disease Potentially through Enhancement of Short-Chain Fatty Acid Production by Gut Microbiota in Mice. International Journal of Molecular Sciences, 2021, 22, 12384.	1.8	8
1473	Prebiotics in Pediatrics. , 2022, , 713-719.		2
1474	Overview of the microbiota in the gut-liver axis in viral B and C hepatitis. World Journal of Gastroenterology, 2021, 27, 7446-7461.	1.4	10
1475	Anti-Inflammatory Function of Fatty Acids and Involvement of Their Metabolites in the Resolution of Inflammation in Chronic Obstructive Pulmonary Disease. International Journal of Molecular Sciences, 2021, 22, 12803.	1.8	26
1476	Potential of human helminth therapy for resolution of inflammatory bowel disease: The future ahead. Experimental Parasitology, 2022, 232, 108189.	0.5	5
1477	Intestinal viral infections of nSARSâ€CoV2 in the Indian community: Risk of virus spread in India. Journal of Medical Virology, 2022, 94, 1315-1329.	2.5	3
1478	Gut-Lung Microbiota in Chronic Pulmonary Diseases: Evolution, Pathogenesis, and Therapeutics. Canadian Journal of Infectious Diseases and Medical Microbiology, 2021, 2021, 1-8.	0.7	24
1479	Mikrobiom-Forschung: Kann die Darmflora Allergien verhindern?. , 0, , .		0
1482	Bacterial Gut Microbiota and Infections During Early Childhood. Frontiers in Microbiology, 2021, 12, 793050.	1.5	11
1483	Antibiotics in early life and childhood pre-B-ALL. Reasons to analyze a possible new piece in the puzzle. Discover Oncology, 2022, 13, 5.	0.8	0
1484	An Overview of the Obese-Asthma Phenotype in Children. International Journal of Environmental Research and Public Health, 2022, 19, 636.	1.2	17

#	Article	IF	Citations
1485	The Influence of the Western Diet on Microbiota and Gastrointestinal Immunity. Annual Review of Food Science and Technology, 2022, 13, 489-512.	5.1	11
1486	Diet-Gut Microbiota-Brain Axis and IgE-Mediated Food Allergy. , 2022, , 153-168.		4
1487	Preventive effect of sanguinarine on intestinal injury in mice exposed to whole abdominal irradiation. Biomedicine and Pharmacotherapy, 2022, 146, 112496.	2.5	15
1488	Indoor Microbiome and The Rising Asthma Prevalence. EMJ Microbiology & Infectious Diseases, 0, , 51-56.	0.0	0
1491	The Role of Nutrients in Maintaining Hematopoietic Stem Cells and Healthy Hematopoiesis for Life. International Journal of Molecular Sciences, 2022, 23, 1574.	1.8	2
1492	The role of the intestinal microbiota in the development of food allergy. Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2022, , 94-101.	0.1	1
1493	Gut microbiota modulates osteoclast glutathione synthesis and mitochondrial biogenesis in mice subjected to ovariectomy. Cell Proliferation, 2022, 55, e13194.	2.4	27
1494	Assessment of bidirectional relationships between 98 genera of the human gut microbiota and amyotrophic lateral sclerosis: a 2-sample Mendelian randomization study. BMC Neurology, 2022, 22, 8.	0.8	10
1496	The Role of the Microbiome in Asthma Inception and Phenotype. Respiratory Medicine, 2022, , 85-146.	0.1	1
1497	Health benefits of inulin-type fructan on gut microbiome, digestive health, immunity, and nutrition. , 2022, , 365-376.		1
1498	Gut-lung cross talk in COVID-19 pathology and fatality rate. , 2022, , 41-59.		1
1499	Î²-Glucan-Induced Immuno-Modulation: A Role for the Intestinal Microbiota and Short-Chain Fatty Acids in Common Carp. Frontiers in Immunology, 2021, 12, 761820.	2.2	15
1500	Roles of the gut microbiota in severe SARS-CoV-2 infection. Cytokine and Growth Factor Reviews, 2022, 63, 98-107.	3.2	12
1501	Environmental Influences and Allergic Diseases in the Asia-Pacific Region: What Will Happen in Next 30 Years?. Allergy, Asthma and Immunology Research, 2022, 14, 21.	1.1	17
1502	Microbial Sensing by Hematopoietic Stem and Progenitor Cells. Stem Cells, 2022, 40, 14-21.	1.4	7
1503	Probiotics in milk and dairy foods. , 2022, , 103-128.		3
1504	Gut Microbiome and Organ Fibrosis. Nutrients, 2022, 14, 352.	1.7	20
1505	Microbiota associations with inflammatory pathways in asthma. Clinical and Experimental Allergy, 2022, 52, 697-705.	1.4	6

#	Article	IF	Citations
1506	Short chain fatty acids: Microbial metabolites for gut-brain axis signalling. Molecular and Cellular Endocrinology, 2022, 546, 111572.	1.6	117
1507	Control of immunity via nutritional interventions. Immunity, 2022, 55, 210-223.	6.6	44
1508	Comparison of Metabolites and Gut Microbes between Patients with Parkinsonâ€™s Disease and Healthy Individualsâ€"A Pilot Clinical Observational Study (STROBE Compliant). Healthcare (Switzerland), 2022, 10, 302.	1.0	7
1509	Deprivation of Dietary Fiber Enhances Susceptibility of Piglets to Lung Immune Stress. Frontiers in Nutrition, 2022, 9, 827509.	1.6	3
1510	A unique gut microbiota signature in pulmonary arterial hypertension: A pilot study. Pulmonary Circulation, 2022, 12, e12051.	0.8	7
1511	An acidic polysaccharide from Patinopecten yessoensis skirt prevents obesity and improves gut microbiota and metabolism of mice induced by high-fat diet. Food Research International, 2022, 154, 110980.	2.9	30
1512	Gut Microbiota as Regulators of Th17/Treg Balance in Patients With Myasthenia Gravis. Frontiers in Immunology, 2021, 12, 803101.	2.2	41
1513	Lung microbiome, gutâ€"lung axis and chronic obstructive pulmonary disease. Current Opinion in Pulmonary Medicine, 2022, 28, 134-138.	1.2	8
1514	PM2.5 affects establishment of immune tolerance in newborn mice by reducing PD-L1 expression. Journal of Biosciences, 2019, 44, .	0.5	2
1516	Biotransformation of toxic xenobiotics by human gut microbiota. , 2022, , 217-243.		0
1518	Role of Brainâ€"Gutâ€"Microbiome Axis in Depression Comorbid with Asthma. , 2022, , 135-151.		1
1519	The gut microbiota of bats confers tolerance to influenza virus (H1N1) infection in mice. Transboundary and Emerging Diseases, 2022, 69, .	1.3	7
1520	Effects of production system on the gut microbiota diversity and IgA distribution of Kampong chickens, Indonesia. Biodiversitas, 2022, 23, .	0.2	0
1521	Malnutrition and Dietary Habits Alter the Immune System Which May Consequently Influence SARS-CoV-2 Virulence: A Review. International Journal of Molecular Sciences, 2022, 23, 2654.	1.8	18
1522	Effect of Probiotics on Respiratory Tract Allergic Disease and Gut Microbiota. Frontiers in Nutrition, 2022, 9, 821900.	1.6	23
1523	Role of Microbiota-Gut-Brain Axis in Regulating Dopaminergic Signaling. Biomedicines, 2022, 10, 436.	1.4	71
1524	Ingestion, Immunity, and Infection: Nutrition and Viral Respiratory Tract Infections. Frontiers in Immunology, 2022, 13, 841532.	2.2	11
1525	Healthy diet associated with better asthma outcomes in elderly women of the French Asthma-E3N study. European Journal of Nutrition, 2022, 61, 2555-2569.	1.8	3

#	Article	IF	Citations
1526	The potential application of probiotics for the prevention and treatment of COVID-19. Egyptian Journal of Medical Human Genetics, 2022, 23, .	0.5	15
1527	Establishing the role of the gut microbiota in susceptibility to recurrent urinary tract infections. Journal of Clinical Investigation, 2022, 132, .	3.9	17
1528	The Insider: Impact of the Gut Microbiota on Cancer Immunity and Response to Therapies in Multiple Myeloma. Frontiers in Immunology, 2022, 13, 845422.	2.2	10
1529	Olmesartan Attenuates Single-Lung Ventilation Induced Lung Injury via Regulating Pulmonary Microbiota. Frontiers in Pharmacology, 2022, 13, 822615.	1.6	3
1530	Can food matrices be considered as a potential carrier for COVID-19?. Infezioni in Medicina, 2022, 30, 59-72.	0.7	1
1531	Immune Responsiveness to LPS Determines Risk of Childhood Wheeze and Asthma in 17q21 Risk Allele Carriers. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 641-650.	2.5	13
1532	Fermented Food in Asthma and Respiratory Allergiesâ€"Chance or Failure?. Nutrients, 2022, 14, 1420.	1.7	3
1533	The Immune Mechanisms of Severe Equine Asthmaâ€"Current Understanding and What Is Missing. Animals, 2022, 12, 744.	1.0	15
1534	Short-Chain Fatty Acid Receptors and Cardiovascular Function. International Journal of Molecular Sciences, 2022, 23, 3303.	1.8	44
1535	Nutrition in Asthma. Seminars in Respiratory and Critical Care Medicine, 2022, 43, 646-661.	0.8	3
1536	Putative Mechanisms Underlying the Beneficial Effects of Polyphenols in Murine Models of Metabolic Disorders in Relation to Gut Microbiota. Current Issues in Molecular Biology, 2022, 44, 1353-1375.	1.0	6
1537	Microbial metabolite butyrate promotes induction of IL-10+IgM+ plasma cells. PLoS ONE, 2022, 17, e0266071.	1.1	18
1538	Influence of dietary supplementation of shortâ€chain fatty acid sodium propionate in people living with HIV (PLHIV). Journal of the European Academy of Dermatology and Venereology, 2022, 36, 881-889.	1.3	6
1539	Gut microbiota-derived short chain fatty acids are potential mediators in gut inflammation. Animal Nutrition, 2022, 8, 350-360.	2.1	72
1540	COPD and Gutâ€"Lung Axis: How Microbiota and Host Inflammasome Influence COPD and Related Therapeutics. Frontiers in Microbiology, 2022, 13, 868086.	1.5	27
1541	Tumor cell malignancy: A complex trait built through reciprocal interactions between tumors and tissue-body system. IScience, 2022, 25, 104217.	1.9	6
1542	Early-Life Lung and Gut Microbiota Development and Respiratory Syncytial Virus Infection. Frontiers in Immunology, 2022, 13, 877771.	2.2	7
1543	Microbiome Modulation as a Novel Strategy to Treat and Prevent Respiratory Infections. Antibiotics, 2022, 11, 474.	1.5	15

#	Article	IF	Citations
1544	Description of a Newly Isolated BlautiaÂfaecis Strain and Its Benefit in Mouse Models of Post-Influenza Secondary Enteric and Pulmonary Infections. Nutrients, 2022, 14, 1478.	1.7	7
1545	Gut Microbiome: Profound Implications for Diet and Disease. Kompass Nutrition & Dietetics, 0, , 1-16.	1.0	2
1546	The Role of Diet and Gut Microbiota in Regulating Gastrointestinal and Inflammatory Disease. Frontiers in Immunology, 2022, 13, 866059.	2.2	32
1547	Emerging Insights into the Impact of Air Pollution on Immune-Mediated Asthma Pathogenesis. Current Allergy and Asthma Reports, 2022, 22, 77-92.	2.4	17
1548	The role of nutrition in inflammaging. Ageing Research Reviews, 2022, 77, 101596.	5.0	65
1549	The effect of short-chain fatty acids on M2 macrophages polarizationin vitroandin vivo. Clinical and Experimental Immunology, 2022, 207, 53-64.	1.1	24
1550	COVID-19 Patogenezinde Diyetin BaÄŸÄ±rsak-AkciÄŸer Ekseni Ãœzerine Potansiyel Etkileri. SdÃœ SaÄžlik BÄ°lÄ°mleriÄ° DergÄ°sÄ°, 2021, 12, 402-410.	0.1	0
1551	Gut Microbiota and SCFAs Play Key Roles in QingFei Yin Recipe Anti-Streptococcal Pneumonia Effects. Frontiers in Cellular and Infection Microbiology, 2021, 11, 791466.	1.8	10
1552	Alteration of the gut microbiota following SARS-CoV-2 infection correlates with disease severity in hamsters. Gut Microbes, 2022, 14, 2018900.	4.3	47
1553	Butyrate Inhibits Osteoclast Activity In Vitro and Regulates Systemic Inflammation and Bone Healing in a Murine Osteotomy Model Compared to Antibiotic-Treated Mice. Mediators of Inflammation, 2021, 2021, 1-17.	1.4	17
1554	Leptin in the Respiratory Tract: Is There a Role in SARS-CoV-2 Infection?. Frontiers in Physiology, 2021, 12, 776963.	1.3	4
1555	Lipidâ€based regulators of immunity. Bioengineering and Translational Medicine, 0, , .	3.9	6
1556	Does the Food Ingredient Pectin Provide a Risk for Patients Allergic to Non-Specific Lipid-Transfer Proteins?. Foods, 2022, 11, 13.	1.9	4
1557	The Role of Adequate Nutrition on Early Stages of Child Development. New Aspects of Goat Milk-Based Infant Formulas Implementation. Voprosy Sovremennoi Pediatrii - Current Pediatrics, 2022, 20, 530-535.	0.1	1
1559	Functions of Gut Microbiota Metabolites, Current Status and Future Perspectives. , 2022, 13, 1106.		81
1560	The Gut Microbiome as a Biomarker of Cancer Progression Among Female Never-smokers With Lung Adenocarcinoma. Anticancer Research, 2022, 42, 1589-1598.	0.5	5
1561	Respiratory diseases and obesity: special phenotype or independent events: Review. Terapevticheskii Arkhiv, 2022, 94, 442-447.	0.2	1
1562	Characterization of Specific Signatures of the Oral Cavity, Sputum, and Ileum Microbiota in Patients With Crohnâ€™s Disease. Frontiers in Cellular and Infection Microbiology, 2022, 12, 864944.	1.8	7

#	Article	IF	Citations
1563	A critical review on interplay between dietary fibers and gut microbiota. Trends in Food Science and Technology, 2022, 124, 237-249.	7.8	70
1564	Exploring the Gut Microbiome in Myasthenia Gravis. Nutrients, 2022, 14, 1647.	1.7	17
1565	Mediterranean Diet Patterns in Relation to Lung Cancer Risk: A Meta-Analysis. Frontiers in Nutrition, 2022, 9, 844382.	1.6	5
1566	The impact of maternal asthma on the preterm infants' gut metabolome and microbiome (MAP study). Scientific Reports, 2022, 12, 6437.	1.6	3
1567	The critical role of short-chain fatty acids in health and disease: A subtle focus on cardiovascular disease-NLRP3 inflammasome-angiogenesis axis. Clinical Immunology, 2022, 238, 109013.	1.4	16
1568	Jiangu granule ameliorated OVX rats bone loss by modulating gut microbiota-SCFAs-Treg/Th17 axis. Biomedicine and Pharmacotherapy, 2022, 150, 112975.	2.5	15
1644	Probiotics as a biotherapeutics for the management and prevention of respiratory tract diseases. Microbiology and Immunology, 2022, 66, 277-291.	0.7	8
1645	Emerging trends and hotspot in gutâ€“lung axis research from 2011 to 2021: a bibliometrics analysis. BioMedical Engineering OnLine, 2022, 21, 27.	1.3	8
1648	Role of Short-Chain Fatty Acids Produced by Gut Microbiota in Innate Lung Immunity and Pathogenesis of the Heterogeneous Course of Chronic Obstructive Pulmonary Disease. International Journal of Molecular Sciences, 2022, 23, 4768.	1.8	22
1649	Microbial short-chain fatty acids: a bridge between dietary fibers and poultry gut health â€" A review. Animal Bioscience, 2022, 35, 1461-1478.	0.8	16
1650	The Effects of Short-Chain Fatty Acids in Urological Diseases. Urogenital Tract Infection, 2022, 17, 8-13.	0.1	2
1651	Fecal Microbial Community Composition in Myeloproliferative Neoplasm Patients Is Associated with an Inflammatory State. Microbiology Spectrum, 2022, 10, e0003222.	1.2	8
1652	A Review on the Antiviral Activity of Functional Foods Against COVID-19 and Viral Respiratory Tract Infections. International Journal of General Medicine, 2022, Volume 15, 4817-4835.	0.8	5
1653	Intestinal Microbiota-Derived Short Chain Fatty Acids in Host Health and Disease. Nutrients, 2022, 14, 1977.	1.7	65
1654	The kinase p38Î± functions in dendritic cells to regulate Th2-cell differentiation and allergic inflammation. , 2022, 19, 805-819.		12
1655	Bypassing the Gutâ€“Lung Axis via Microbial Metabolites: Implications for Chronic Respiratory Diseases. Frontiers in Microbiology, 2022, 13, 857418.	1.5	7
1656	Microbiota and the Response to Vaccines Against Respiratory Virus. Frontiers in Immunology, 2022, 13, .	2.2	10
1657	Role of Microbiota in Viral Infections and Pathological Progression. Viruses, 2022, 14, 950.	1.5	14

#	Article	IF	Citations
1658	Protective Roles of Sodium Butyrate in Lipopolysaccharide-Induced Bovine Ruminal Epithelial Cells by Activating G Protein-Coupled Receptors 41. Frontiers in Nutrition, 2022, 9, .	1.6	3
1659	Oral administration of Faecalibacterium prausnitzii and Akkermansia muciniphila strains from humans improves atopic dermatitis symptoms in DNCB induced NC/Nga mice. Scientific Reports, 2022, 12, 7324.	1.6	10
1660	è…,ç®¡ã•è…,å†…å¾®å°ç”Ÿæ…‹ç³»ã®å‰µæŒ–ã€Œé‡ç—‡…æ…‹ã«å•ã¼ã™™å½¹å‰µ²(Crucial effects of an altered gut and intestinal mi Kyukyu Igakukai Zasshi, 2017, 28, 827-834.	0.0	0
1661	De- â€œbugâ€•ing the microbiome in lung cancer. Cancer and Metastasis Reviews, 2022, 41, 335-346.	2.7	4
1662	Oral antimicrobial peptide-EGCG nanomedicines for synergistic treatment of ulcerative colitis. Journal of Controlled Release, 2022, 347, 544-560.	4.8	19
1663	Effects of Different Sources of Calcium in the Diet on Growth Performance, Blood Metabolic Parameters, and Intestinal Bacterial Community and Function of Weaned Piglets. Frontiers in Nutrition, 2022, 9, 885497.	1.6	4
1664	Review article: the future of microbiomeâ€based therapeutics. Alimentary Pharmacology and Therapeutics, 2022, 56, 192-208.	1.9	21
1665	Particle matters induce airway epithelial barrier dysfunction in vivo and in vitro: from a more realistic inhalation scenario. Environmental Science: Nano, 0, , .	2.2	0
1666	A high-calorie diet aggravates LPS-induced pneumonia by disturbing the gut microbiota and Th17/Treg balance. Journal of Leukocyte Biology, 2022, 112, 127-141.	1.5	9
1667	Clinical Characteristics and Management Strategies for Adult Obese Asthma Patients. Journal of Asthma and Allergy, 0, Volume 15, 673-689.	1.5	10
1668	The Efficacy of Cancer Immunotherapies Is Compromised by Helicobacter pylori Infection. Frontiers in Immunology, 0, 13, .	2.2	14
1669	The Beneficial Role of Probiotic Lactobacillus in Respiratory Diseases. Frontiers in Immunology, 0, 13, .	2.2	29
1670	Role of the Microbiota in Lung Cancer: Insights on Prevention and Treatment. International Journal of Molecular Sciences, 2022, 23, 6138.	1.8	16
1671	Current Strategies to Modulate Regulatory T Cell Activity in Allergic Inflammation. Frontiers in Immunology, 0, 13, .	2.2	12
1672	Mouse Subcutaneous BCG Vaccination and Mycobacterium tuberculosis Infection Alter the Lung and Gut Microbiota. Microbiology Spectrum, 2022, 10, .	1.2	10
1673	Environmental influences on childhood allergies and asthma â€" The Farm effect. Pediatric Allergy and Immunology, 2022, 33, .	1.1	20
1674	Manipulating Microbiota to Treat Atopic Dermatitis: Functions and Therapies. Pathogens, 2022, 11, 642.	1.2	22
1675	Skin-Gut-Lung Epithelial Permeability. , 2023, , 146-158.		0

#	Article	IF	Citations
1676	The role of gut microbiota in intestinal immune tolerance. Drug Delivery System, 2022, 37, 159-167.	0.0	0
1677	Central and peripheral regulations mediated by short-chain fatty acids on energy homeostasis. Translational Research, 2022, 248, 128-150.	2.2	22
1678	The Role of Early Life Microbiota Composition in the Development of Allergic Diseases. Microorganisms, 2022, 10, 1190.	1.6	5
1679	Treatment with Distinct Antibiotic Classes Causes Different Pulmonary Outcomes on Allergic Airway Inflammation Associated with Modulation of Symbiotic Microbiota. Journal of Immunology Research, 2022, 2022, 1-13.	0.9	1
1680	Decreased Acetic Acid in the Stool of Preterm Infants Is Associated with an Increased Risk of Bronchopulmonary Dysplasia. Nutrients, 2022, 14, 2412.	1.7	3
1681	Heterogeneity of ILC2s in the Lungs. Frontiers in Immunology, 0, 13, .	2.2	3
1682	Gut-derived short-chain fatty acids modulate skin barrier integrity by promoting keratinocyte metabolism and differentiation. Mucosal Immunology, 2022, 15, 908-926.	2.7	43
1683	The Microbiome as a Gateway to Prevention of Allergic Disease Development. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 2195-2204.	2.0	5
1684	Lactobacillus plantarum Ameliorates High-Carbohydrate Diet-Induced Hepatic Lipid Accumulation and Oxidative Stress by Upregulating Uridine Synthesis. Antioxidants, 2022, 11, 1238.	2.2	8
1685	Gutâ€“microbiotaâ€“brain axis in the vulnerability to psychosis in adulthood after repeated cannabis exposure during adolescence. European Archives of Psychiatry and Clinical Neuroscience, 2022, 272, 1297-1309.	1.8	13
1686	Nano- and micro-polystyrene plastics disturb gut microbiota and intestinal immune system in honeybee. Science of the Total Environment, 2022, 842, 156819.	3.9	22
1687	The Environmental Microbiome, Allergic Disease, and Asthma. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 2206-2217.e1.	2.0	13
1688	Respiratory and Intestinal Microbiota in Pediatric Lung Diseasesâ€”Current Evidence of the Gutâ€“Lung Axis. International Journal of Molecular Sciences, 2022, 23, 6791.	1.8	11
1689	The emerging role of microbiota-derived short-chain fatty acids in immunometabolism. International Immunopharmacology, 2022, 110, 108983.	1.7	19
1690	The immunology of Parkinsonâ€™s disease. Seminars in Immunopathology, 2022, 44, 659-672.	2.8	30
1691	Understanding the Correlation of Diet, Immunity, and Probiotics: A Credible Implication in SARS-CoV2 Infections. Biosciences, Biotechnology Research Asia, 2022, 19, 373-385.	0.2	0
1692	Mapping the global research landscape on nutrition and the gut microbiota: Visualization and bibliometric analysis. World Journal of Gastroenterology, 2022, 28, 2981-2993.	1.4	12
1693	Microbial Metabolites in the Maturation and Activation of Dendritic Cells and Their Relevance for Respiratory Immunity. Frontiers in Immunology, 0, 13, .	2.2	5

#	Article	IF	Citations
1694	Role of dietary fiber in promoting immune healthâ€"An <scp>EAACI</scp> position paper. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 3185-3198.	2.7	48
1695	Utilizing the Gastrointestinal Microbiota to Modulate Cattle Health through the Microbiome-Gut-Organ Axes. Microorganisms, 2022, 10, 1391.	1.6	19
1696	Facts and Hopes for Gut Microbiota Interventions in Cancer Immunotherapy. Clinical Cancer Research, 2022, 28, 4370-4384.	3.2	15
1697	Antiâ€inflammatory effect a specific Lactiplantibacillus plantarum in an ovalbuminâ€induced asthma model. Microbiology and Immunology, 2022, 66, 442-452.	0.7	2
1698	Dynamics of host immune response development during Schistosoma mansoni infection. Frontiers in Immunology, 0, 13, .	2.2	8
1699	Microbiota-Derived Propionate Modulates Megakaryopoiesis and Platelet Function. Frontiers in Immunology, 0, 13, .	2.2	4
1700	Dietary compounds in modulation of gut microbiota-derived metabolites. Frontiers in Nutrition, 0, 9, .	1.6	11
1701	The Role of Gut and Airway Microbiota in Pulmonary Arterial Hypertension. Frontiers in Microbiology, 0, 13, .	1.5	2
1702	Maternal prenatal immunity, neonatal trained immunity, and early airway microbiota shape childhood asthma development. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 3617-3628.	2.7	13
1703	Role of Gut Microbiota in Cannabinoid-Mediated Suppression of Inflammation. Advances in Drug and Alcohol Research, 0, 2, .	2.5	4
1704	The Core Human Microbiome: Does It Exist and How Can We Find It? A Critical Review of the Concept. Nutrients, 2022, 14, 2872.	1.7	16
1705	Designing blenderized tube feeding diets for children and investigating their physicochemical and microbial properties and Dietary Inflammatory Index. Nutrition in Clinical Practice, 0, , .	1.1	1
1706	Spatial bacterial subpopulations of a human lung lobe and their potential impact on the progression of pulmonary tuberculosis. Microbial Pathogenesis, 2022, 169, 105656.	1.3	0
1707	Gut microbiome in modulating immune checkpoint inhibitors. EBioMedicine, 2022, 82, 104163.	2.7	38
1708	Chitosan-modified Phellinus igniarius polysaccharide PLGA nanoparticles ameliorated inflammatory bowel disease. , 2022, 139, 213002.		6
1709	Quinoa bran soluble dietary fiber ameliorates dextran sodium sulfate induced ulcerative colitis in BALB/c mice by maintaining intestinal barrier function and modulating gut microbiota. International Journal of Biological Macromolecules, 2022, 216, 75-85.	3.6	25
1710	Dietary regulation in health and disease. Signal Transduction and Targeted Therapy, 2022, 7, .	7.1	47
1711	Microbial short-chain fatty acids: a strategy to tune adoptive T cell therapy. , 2022, 10, e004147.		28

#	Article	IF	Citations
1712	Immunomodulation by foods and microbes: Unravelling the molecular tango. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 3513-3526.	2.7	16
1713	Mapping trends and hotspot regarding gut microbiota and host immune response: A bibliometric analysis of global research (2011â€“2021). Frontiers in Microbiology, 0, 13, .	1.5	7
1714	Microbiota and lung cancer. Seminars in Cancer Biology, 2022, 86, 1-10.	4.3	23
1715	Characteristics of gut microbiota in representative mice strains: Implications for biological research. Animal Models and Experimental Medicine, 2022, 5, 337-349.	1.3	9
1716	Interplay of Environmental, Individual and Genetic Factors in Rheumatoid Arthritis Provocation. International Journal of Molecular Sciences, 2022, 23, 8140.	1.8	7
1717	Natural Phenylethanoid Supplementation Alleviates Metabolic Syndrome in Female Mice Induced by High-Fructose Diet. Frontiers in Pharmacology, 0, 13, .	1.6	0
1719	Scutellarin Modulates the Microbiota-Gut-Brain Axis and Improves Cognitive Impairment in APP/PS1 Mice. Journal of Alzheimer's Disease, 2022, 89, 955-975.	1.2	11
1720	Shortâ€chain fatty acids affect the development of inflammatory bowel disease through intestinal barrier, immunology, and microbiota: A promising therapy?. Journal of Gastroenterology and Hepatology (Australia), 2022, 37, 1710-1718.	1.4	11
1721	Fiberâ€enriched botanicals: A therapeutic tool against certain metabolic ailments. Food Science and Nutrition, 2022, 10, 3203-3218.	1.5	9
1722	Gut microbiota and meat quality. Frontiers in Microbiology, 0, 13, .	1.5	11
1723	The Microbiome in COPD: Emerging Potential for Microbiome-Targeted Interventions. International Journal of COPD, 0, Volume 17, 1835-1845.	0.9	7
1724	Microbiome, Metabolism, and Immunoregulation of Asthma: An American Thoracic Society and National Institute of Allergy and Infectious Diseases Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2022, 67, 155-163.	1.4	9
1725	Microbiota and COVID-19: Long-term and complex influencing factors. Frontiers in Microbiology, 0, 13, .	1.5	25
1727	Dietary fibre in relation to asthma, allergic rhinitis andÂsensitization from childhood up to adulthood. Clinical and Translational Allergy, 2022, 12, .	1.4	4
1728	Obesity-related asthma in children and adolescents. The Lancet Child and Adolescent Health, 2022, 6, 713-724.	2.7	37
1729	Lactobacillus mucosae exerted different antiviral effects on respiratory syncytial virus infection in mice. Frontiers in Microbiology, 0, 13, .	1.5	8
1731	Prebiotics as Adjunctive Therapy in Diabetes: A Review of Prebiotics in Diabetes. Current Nutraceuticals, 2022, 3, .	0.1	2
1732	Comparison of Metabolites and Gut Microbes between Patients with Ulcerative Colitis and Healthy Individuals for an Integrative Medicine Approach to Ulcerative Colitisâ€”A Pilot Observational Clinical Study (STROBE Compliant). Diagnostics, 2022, 12, 1969.	1.3	6

#	Article	IF	Citations
1733	The role of the gut microbiota in multiple sclerosis. Nature Reviews Neurology, 2022, 18, 544-558.	4.9	44
1734	An Update on the Mutual Impact between SARS-CoV-2 Infection and Gut Microbiota. Viruses, 2022, 14, 1774.	1.5	9
1735	Food safety assessment and toxicity study of the synbiotic consortium SBD111. Food and Chemical Toxicology, 2022, 168, 113329.	1.8	1
1736	Pectin supplementation ameliorates intestinal epithelial barrier function damage by modulating intestinal microbiota in lipopolysaccharide-challenged piglets. Journal of Nutritional Biochemistry, 2022, 109, 109107.	1.9	14
1737	Research Progress on the Correlation between the Intestinal Microbiota and Food Allergy. Foods, 2022, 11, 2913.	1.9	5
1739	Intestinal microbiota metabolizing Houttuynia cordata polysaccharides in H1N1 induced pneumonia mice contributed to Th17/Treg rebalance in gut-lung axis. International Journal of Biological Macromolecules, 2022, 221, 288-302.	3.6	8
1740	Short-chain fatty acid receptors and gut microbiota as therapeutic targets in metabolic, immune, and neurological diseases. , 2022, 239, 108273.		42
1741	Dysbiosis of human microbiome and infectious diseases. Progress in Molecular Biology and Translational Science, 2022, , 33-51.	0.9	8
1742	Effects of infant allergen/immunogen exposure on long-term health outcomes. , 2022, , 153-188.		0
1743	COVID-19 and the Human Gut Microbiome: An Under-Recognized Association. Chonnam Medical Journal, 2022, 58, 96.	0.5	3
1744	Immunological paradox for maintaining normal flora: it is all by design, not by chance. , 2022, , 39-73.		0
1745	Efecto de los probiÃ³ticos en las enfermedades alÃ©rgicas del tracto respiratorio y la microbiota intestinal. Karger Kompass NeumologÃa, 2022, 4, 81-91.	0.0	0
1746	Mitigating Diabetic Foot Ulcers: The Effect of Diet and Microbiome. , 0, , .		0
1748	The Effects of Sodium Propionate Supplementation in the Diet with High Soybean Meal on Growth Performance, Intestinal Health, and Immune Resistance to Bacterial Infection in Turbot (Scophthalmus) Tj ETQq1 1 0.784314 rgBT /Over	0.7	3
1749	Local and systemic effects of microbiomeâ€derived metabolites. EMBO Reports, 2022, 23, .	2.0	15
1751	Nanocrystalline Cellulose Cures Constipation via Gut Microbiota Metabolism. ACS Nano, 2022, 16, 16481-16496.	7.3	12
1752	Gut Microbiota and COVID-19: Potential Implications for Disease Severity. Pathogens, 2022, 11, 1050.	1.2	13
1753	Lung microbiome in children with hematological malignancies and lower respiratory tract infections. Frontiers in Oncology, 0, 12, .	1.3	1

#	Article	IF	Citations
1754	Isolation and Characterization of Mannanase-Producing Bacteria for Potential Synbiotic Application in Shrimp Farming. Animals, 2022, 12, 2583.	1.0	1
1755	Microbial dysbiosis and childhood asthma development: Integrated role of the airway and gut microbiome, environmental exposures, and host metabolic and immune response. Frontiers in Immunology, 0, 13, .	2.2	14
1756	COVID-19 Spotlights Connections between Disease and Multiple Lifestyle Factors. American Journal of Lifestyle Medicine, 0, , 155982762211230.	0.8	4
1757	Corynebacterium accolens inhibits Staphylococcus aureus induced mucosal barrier disruption. Frontiers in Microbiology, 0, 13, .	1.5	6
1758	Association of maternal lowâ€carbohydrateâ€diet score during pregnancy with allergic diseases at 2â€‰years of age. Pediatric Allergy and Immunology, 2022, 33, .	1.1	1
1759	Inhibition of Th1 activation and differentiation by dietary guar gum ameliorates experimental autoimmune encephalomyelitis. Cell Reports, 2022, 40, 111328.	2.9	9
1760	Moonlighting glyceraldehyde-3-phosphate dehydrogenase (GAPDH) protein of Lactobacillus gasseri attenuates allergic asthma via immunometabolic change in macrophages. Journal of Biomedical Science, 2022, 29, .	2.6	4
1761	A Metabolic Activity Recovery of the Intestinal Microbiota in the Patients with Bronchial Asthma. Pulmonary Medicine, 2022, 2022, 1-5.	0.5	2
1762	Infant body mass index, eczema and atopy at one year of age in relation to mode of delivery. Clinical and Experimental Allergy, 2022, 52, 1351-1354.	1.4	0
1763	Airway-delivered short-chain fatty acid acetate boosts antiviral immunity during rhinovirus infection. Journal of Allergy and Clinical Immunology, 2023, 151, 447-457.e5.	1.5	16
1764	Possible role of gut microbes and hostâ€™s immune response in gutâ€“lung homeostasis. Frontiers in Immunology, 0, 13, .	2.2	21
1765	Uncovering the core principles of the gut-lung axis to enhance innate immunity in the chicken. Frontiers in Immunology, 0, 13, .	2.2	2
1766	Dysbiotic microbiota contributes to the extent of acute myocardial infarction in rats. Scientific Reports, 2022, 12, .	1.6	3
1767	Butyrate: Connecting the gut-lung axis to the management of pulmonary disorders. Frontiers in Nutrition, 0, 9, .	1.6	14
1768	Gut Microbiota Status in leptospirosis: An Unrecognized Player?. New Microbes and New Infections, 2022, , 101038.	0.8	0
1769	COVID-19: Reducing the risk via diet and lifestyle. Journal of Integrative Medicine, 2023, 21, 1-16.	1.4	4
1770	Knowledge mapping of the links between the microbiota and allergic diseases: A bibliometric analysis (2002â€“2021). Frontiers in Immunology, 0, 13, .	2.2	6
1771	Upregulation of claudinâ€‘4 by Chinese traditional medicine Shenfu attenuates lung tissue damage by acute lung injury aggravated by acute gastrointestinal injury. Pharmaceutical Biology, 2022, 60, 1981-1993.	1.3	3

#	Article	IF	Citations
1772	Helminths Derived Immune-Modulatory Molecules: Implications in Host-Parasite Interaction. , 0, , .		0
1773	The gut microbiome and allergic rhinitis; refocusing on the role of probiotics as a treatment option. European Archives of Oto-Rhino-Laryngology, 2023, 280, 511-517.	0.8	2
1774	Editing of a Specific Strain of Escherichia coli in the Mouse Gut Using Native Phages. Microbiology Spectrum, 0, , .	1.2	0
1775	Blood transfusion in autoimmune rheumatic diseases. Transfusion and Apheresis Science, 2022, 61, 103596.	0.5	0
1776	Role of gut-microbiota in disease severity and clinical outcomes. Briefings in Functional Genomics, 2024, 23, 24-37.	1.3	2
1777	Vancomycin-induced gut microbiota dysbiosis aggravates allergic rhinitis in mice by altered short-chain fatty acids. Frontiers in Microbiology, 0, 13, .	1.5	3
1778	Ultra-processed foods and allergic symptoms among children and adults in the United States: A population-based analysis of NHANES 2005â€“2006. Frontiers in Public Health, 0, 10, .	1.3	8
1779	Lacticaseibacillus rhamnosus attenuates acute lung inflammation in a murine model of acute respiratory distress syndrome: Relevance to cytokines associated to STAT4/T-bet and STAT3/RORÉ£tâ€• Microbial Pathogenesis, 2022, 173, 105831.	1.3	0
1780	Short Chain Fatty Acids: Fundamental mediators of the gut-lung axis and their involvement in pulmonary diseases. Chemico-Biological Interactions, 2022, 368, 110231.	1.7	20
1781	Diet and asthma. , 2023, , 87-134.		0
1782	Airway microbiome andÂasthma. , 2023, , 47-62.		0
1783	The role of probiotics in prevention and treatment of food allergy. Food Science and Human Wellness, 2023, 12, 681-690.	2.2	4
1784	The role of gut microbiota and its metabolites short-chain fatty acids in food allergy. Food Science and Human Wellness, 2023, 12, 702-710.	2.2	10
1785	Asthma Phenotypes and the Microbiome. European Medical Journal Allergy & Immunology, 0, , 82-90.	0.0	2
1786	From maternal breath to infant's cells: Impact of maternal respiratory infections on infants â€˜immune responses. Frontiers in Pediatrics, 0, 10, .	0.9	2
1787	Succession of bacterial communities during a disease progress in cuttlefish Sepia pharaonis. Aquaculture International, 2023, 31, 1163-1175.	1.1	1
1788	The Role of the Gut Microbiota in the Relationship Between Diet and Human Health. Annual Review of Physiology, 2023, 85, 449-468.	5.6	44
1789	The associations of maternal and childrenâ€™s gut microbiota with the development of atopic dermatitis for children aged 2 years. Frontiers in Immunology, 0, 13, .	2.2	4

#	Article	IF	Citations
1790	Beneficial effect of the short-chain fatty acid propionate on vascular calcification through intestinal microbiota remodelling. Microbiome, 2022, 10, .	4.9	22
1791	Anti-allergic property of dietary phytoestrogen secoisolariciresinol diglucoside through microbial and Î²-glucuronidase-mediated metabolism. Journal of Nutritional Biochemistry, 2023, 112, 109219.	1.9	3
1792	The impact of dietary fibers on Clostridioides difficile infection in a mouse model. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	5
1793	An Updated Systematic Review and Meta-Analysis on the Effects of Probiotics, Prebiotics and Synbiotics in Autism Spectrum Disorder. Review Journal of Autism and Developmental Disorders, 0, , .	2.2	0
1794	Dietary organic acids ameliorate high stocking density stress-induced intestinal inflammation through the restoration of intestinal microbiota in broilers. Journal of Animal Science and Biotechnology, 2022, 13, .	2.1	6
1795	Alteration of Gut Immunity and Microbiome in Mixed Granulocytic Asthma. Biomedicines, 2022, 10, 2946.	1.4	3
1796	Antibiotics, the microbiome and gastrointestinal cancers: A causal interference?. Current Opinion in Pharmacology, 2022, 67, 102315.	1.7	2
1797	Altered fecal microbiome and metabolome in adult patients with non-cystic fibrosis bronchiectasis. Respiratory Research, 2022, 23, .	1.4	7
1798	Anaerobic Bacteria. , 2023, , 1004-1013.e3.		0
1799	Multi-omics reveals the mechanisms of DEHP driven pulmonary toxicity in ovalbumin-sensitized mice. Ecotoxicology and Environmental Safety, 2023, 249, 114355.	2.9	2
1800	Dietary fiber chemical structure determined gut microbiota dynamics. , 2022, 1, .		7
1801	Beneficial Effects of Lactic Acid Bacteria on Animal Reproduction Function. Veterinary Medicine International, 2022, 2022, 1-8.	0.6	0
1802	Crosstalk between liver macrophages and gut microbiota: An important component of inflammation-associated liver diseases. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
1803	The Connection between Gut and Lung Microbiota, Mast Cells, Platelets and SARS-CoV-2 in the Elderly Patient. International Journal of Molecular Sciences, 2022, 23, 14898.	1.8	4
1804	Maternal obesity and resistance to breast cancer treatments among offspring: Link to gut dysbiosis. Cancer Reports, 2022, 5, .	0.6	1
1805	The Urinary Microbiome; Axis Crosstalk and Short-Chain Fatty Acid. Diagnostics, 2022, 12, 3119.	1.3	1
1806	Weilâ€™s Diseaseâ€"Immunopathogenesis, Multiple Organ Failure, and Potential Role of Gut Microbiota. Biomolecules, 2022, 12, 1830.	1.8	8
1807	The central role of the gut in intensive care. Critical Care, 2022, 26, .	2.5	13

#	Article	IF	Citations
1808	Environmental influences on childhood asthmaâ€"The effect of diet and microbiome on asthma. Pediatric Allergy and Immunology, 2022, 33, .	1.1	9
1809	The prebiotic effects of soluble dietary fiber mixture on renal anemia and the gut microbiota in end-stage renal disease patients on maintenance hemodialysis: a prospective, randomized, placebo-controlled study. Journal of Translational Medicine, 2022, 20, .	1.8	5
1810	Gut and lung microbiome profiles in pregnant mice. Frontiers in Microbiology, 0, 13, .	1.5	0
1811	Longitudinal Study of the Effects of Flammulina velutipes Stipe Wastes on the Cecal Microbiota of Laying Hens. MSystems, 2023, 8, .	1.7	2
1812	Microbiome Therapeutics for Food Allergy. Nutrients, 2022, 14, 5155.	1.7	7
1813	How to Understand a Revolution: Guts, Lungs, and Bronchiectasis. American Journal of Respiratory and Critical Care Medicine, 0, , .	2.5	1
1814	Recent Advances and Outcomes in Heart and Lung Transplantation. , 0, , .		0
1815	The microbiomeâ€™s fiber degradation profile and its relationship with the host diet. BMC Biology, 2022, 20, .	1.7	2
1816	Chronic allergy signaling: is it all stressed-out mitochondria?. Faculty Reviews, 0, 11, .	1.7	1
1818	Alterations of the gut microbiota in coronavirus disease 2019 and its therapeutic potential. World Journal of Gastroenterology, 0, 28, 6689-6701.	1.4	6
1819	The gut microbiome: linking dietary fiber to inflammatory diseases. Medicine in Microecology, 2022, 14, 100070.	0.7	11
1820	A High-Fiber Diet or Dietary Supplementation of Acetate Attenuate Hyperoxia-Induced Acute Lung Injury. Nutrients, 2022, 14, 5231.	1.7	2
1821	Dietary fiber and SCFAs in the regulation of mucosal immunity. Journal of Allergy and Clinical Immunology, 2023, 151, 361-370.	1.5	43
1822	Gastrointestinal microbiota: A predictor of COVID-19 severity?. World Journal of Gastroenterology, 0, 28, 6328-6344.	1.4	12
1823	Bacterial colonization in atopic dermatitis. Bali Medical Journal, 2022, 11, 1924-1929.	0.1	2
1824	Urine and fecal microbiota in a canine model of bladder cancer and comparison of canine and human urine microbiota. International Journal of Transgender Health, 2022, 15, 1245-1263.	1.1	3
1825	The Human Respiratory Microbiome: Current Understandings and Future Directions. American Journal of Respiratory Cell and Molecular Biology, 2023, 68, 245-255.	1.4	7
1826	Parenteral BCG vaccine induces lung-resident memory macrophages and trained immunity via the gutâ€"lung axis. Nature Immunology, 2022, 23, 1687-1702.	7.0	32

#	Article	IF	Citations
1827	Efficacy and Mechanism of Quercetin in the Treatment of Experimental Colitis Using Network Pharmacology Analysis. Molecules, 2023, 28, 146.	1.7	2
1828	Human matters in asthma: Considering the microbiome in pulmonary health. Frontiers in Pharmacology, 0, 13, .	1.6	3
1829	Intranasal administration of Acinetobacter lwoffii in a murine model of asthma induces <scp>IL</scp>â€6â€mediated protection associated with cecal microbiota changes. Allergy: European Journal of Allergy and Clinical Immunology, 2023, 78, 1245-1257.	2.7	7
1830	Gut microbiota modulates bleomycin-induced acute lung injury response in mice. Respiratory Research, 2022, 23, .	1.4	9
1831	High fiber diet attenuate the inflammation and adverse remodeling of myocardial infarction via modulation of gut microbiota and metabolites. Frontiers in Microbiology, 0, 13, .	1.5	7
1832	The Role of Gut Bacteriome in Asthma, Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnoea. Microorganisms, 2022, 10, 2457.	1.6	3
1834	Phenotypeâ€specific signatures of systemsâ€level gut microbiome associated with childhood airway allergies. Pediatric Allergy and Immunology, 2023, 34, .	1.1	1
1835	Metatranscriptomic Analyses Reveal Important Roles of the Gut Microbiome in Primate Dietary Adaptation. Genes, 2023, 14, 228.	1.0	5
1836	Mapping the output of the global literature on the links between gut microbiota and COVID-19. Journal of Health, Population and Nutrition, 2023, 42, .	0.7	5
1837	Understanding the development of Th2 cell-driven allergic airway disease in early life. Frontiers in Allergy, 0, 3, .	1.2	5
1838	Asthma, obesity, and microbiota: A complex immunological interaction. Immunology Letters, 2023, 255, 10-20.	1.1	6
1839	The gut microbiota of people with asthma influences lung inflammation in gnotobiotic mice. IScience, 2023, 26, 105991.	1.9	4
1840	Immunomodulatory effects of probiotic supplementation in patients with asthma: a randomized, double-blind, placebo-controlled trial. Allergy, Asthma and Clinical Immunology, 2023, 19, .	0.9	7
1842	Dietary fibers & immunityâ€”more than meets the eye. Cell Research, 2023, 33, 411-412.	5.7	1
1843	Gut Microbial-Derived Short Chain Fatty Acids: Impact on Adipose Tissue Physiology. Nutrients, 2023, 15, 272.	1.7	9
1844	Association of Fructo-oligosaccharides and Arginine Improves Severity of Mucositis and Modulate the Intestinal Microbiota. Probiotics and Antimicrobial Proteins, 2023, 15, 424-440.	1.9	4
1845	Gut Microbiome and Immune Responses in Gastrointestinal Cancer. , 2023, , 163-179.		0
1846	Effect of Echinacea on gut microbiota of immunosuppressed ducks. Frontiers in Microbiology, 0, 13, .	1.5	1

#	Article	IF	Citations
1847	Advances in Lactobacillus Restoration for Î²-Lactam Antibiotic-Induced Dysbiosis: A System Review in Intestinal Microbiota and Immune Homeostasis. Microorganisms, 2023, 11, 179.	1.6	4
1848	Microbiome and Asthma: Microbial Dysbiosis and the Origins, Phenotypes, Persistence, and Severity of Asthma. Nutrients, 2023, 15, 486.	1.7	16
1849	Gut Microbial-Derived Metabolites as Immune Modulators of T Helper 17 and Regulatory T Cells. International Journal of Molecular Sciences, 2023, 24, 1806.	1.8	8
1850	Airway microbiome-immune crosstalk in chronic obstructive pulmonary disease. Frontiers in Immunology, 0, 13, .	2.2	7
1851	Effects of citrus pulp on the composition and diversity of broiler cecal microbes. Poultry Science, 2023, 102, 102454.	1.5	4
1852	Role of microbiome and its metabolite, short chain fatty acid in prostate cancer. Investigative and Clinical Urology, 2023, 64, 3.	1.0	5
1854	Antibiotic Knockdown of Gut Bacteria Sex-Dependently Enhances Intravenous Fentanyl Self-Administration in Adult Sprague Dawley Rats. International Journal of Molecular Sciences, 2023, 24, 409.	1.8	4
1856	The therapeutic role of microbial metabolites in human health and diseases. , 2023, , 1-38.		1
1857	Beyond allergic progression: From molecules to microbes as barrier modulators in the gut-lung axis functionality. Frontiers in Allergy, 0, 4, .	1.2	4
1858	Gutâ€“lung crosstalk during critical illness. Current Opinion in Critical Care, 2023, 29, 130-137.	1.6	6
1860	Mechanistic Links Between Obesity and Airway Pathobiology Inform Therapies for Obesity-Related Asthma. Paediatric Drugs, 2023, 25, 283-299.	1.3	3
1861	The role of the host gut microbiome in the pathophysiology of schistosomiasis. Parasite Immunology, 2023, 45, .	0.7	1
1862	Effect of Azithromycin on Exacerbations in Asthma Patients with Obesity: Protocol for a Multi-Center, Prospective, Single-Arm Intervention Study. International Journal of Environmental Research and Public Health, 2023, 20, 1861.	1.2	1
1863	The role of the microbiota in myelopoiesis during homeostasis and inflammation. International Immunology, 2023, 35, 267-274.	1.8	1
1864	The Immune Response to Nematode Infection. International Journal of Molecular Sciences, 2023, 24, 2283.	1.8	3
1865	Autoimmune diseases. , 2023, , 123-244.		2
1866	Associations of adherence to the DASH diet and the Mediterranean diet with chronic obstructive pulmonary disease among US adults. Frontiers in Nutrition, 0, 10, .	1.6	3
1867	Gut Microbial Metabolites on Host Immune Responses in Health and Disease. Immune Network, 2023, 23, .	1.6	8

#	Article	IF	Citations
1868	Gut Microbiota Dysbiosis Correlates With Long COVID-19 at One-Year After Discharge. Journal of Korean Medical Science, 2023, 38, .	1.1	16
1869	Lung epithelial cells: Upstream targets in type 2â€high asthma. European Journal of Immunology, 2023, 53, .	1.6	3
1870	Food, gut barrier dysfunction, and related diseases: A new target for future individualized disease prevention and management. Food Science and Nutrition, 2023, 11, 1671-1704.	1.5	7
1871	Ketogenic Diet Alleviates Renal Interstitial Fibrosis in UUO Mice by Regulating Macrophage Proliferation. Journal of Nutritional Biochemistry, 2023, , 109335.	1.9	0
1872	The Microbiome and Uveitis. American Journal of Pathology, 2023, 193, 1638-1647.	1.9	2
1873	Microbiota-derived short chain fatty acids: Their role and mechanisms in viral infections. Biomedicine and Pharmacotherapy, 2023, 160, 114414.	2.5	5
1874	Multi-omics reveals Bifidobacterium longum CECT7894 alleviate food allergy by regulating the Sphingolipid metabolism pathway. Food Bioscience, 2023, 53, 102622.	2.0	4
1875	Barley Leaf Ameliorates Citrobacter-rodentium-Induced Colitis through Arginine Enrichment. Nutrients, 2023, 15, 1890.	1.7	0
1876	Ablation of CD226 on CD4+ T cells modulates asthma progress associated with altered IL-10 response and gut microbiota. International Immunopharmacology, 2023, 118, 110051.	1.7	1
1877	The Microbiome and Central Nervous System Tumors. Advances in Oncology, 2023, 3, 97-105.	0.1	0
1878	Role of microbiota short-chain fatty acids in the pathogenesis of autoimmune diseases. Biomedicine and Pharmacotherapy, 2023, 162, 114620.	2.5	7
1879	Microbiota-derived short-chain fatty acids and modulation of host-derived peptides formation: Focused on host defense peptides. Biomedicine and Pharmacotherapy, 2023, 162, 114586.	2.5	9
1880	Beneficial effects of fermented jujube pulp in relieving loperamide hydrochloride-induced constipation in male ICR mice. Food Science and Human Wellness, 2023, 12, 2286-2296.	2.2	4
1881	Gut microbiota axis: potential target of phytochemicals from plant-based foods. Food Science and Human Wellness, 2023, 12, 1409-1426.	2.2	5
1882	Konjac-mulberry leaf compound powder alleviates OVA-induced allergic rhinitis in BALB/c mice. Food Science and Human Wellness, 2023, 12, 1674-1682.	2.2	0
1883	Microbial metabolites and immunotherapy: Basic rationale and clinical indications. Seminars in Immunology, 2023, 67, 101755.	2.7	4
1884	Crosstalk between the lung microbiome and lung cancer. Microbial Pathogenesis, 2023, 178, 106062.	1.3	4
1885	Indoor Microbiome and The Rising Asthma Prevalence. EMJ Microbiology & Infectious Diseases, 0, , 51-56.	0.0	0

#	Article	IF	Citations
1886	The role of short-chain fatty acids in inflammatory skin diseases. Frontiers in Microbiology, 0, 13, .	1.5	9
1888	Epigenome alterations in food allergy: A systematic review of candidate gene and <scp>epigenomeâ€wide</scp> association studies. Clinical and Experimental Allergy, 2023, 53, 259-275.	1.4	4
1889	The association between dietary fiber intake and sarcopenia. Journal of Functional Foods, 2023, 102, 105437.	1.6	6
1890	The microbiota regulates hematopoietic stem and progenitor cell development by mediating inflammatory signals in the niche. Cell Reports, 2023, 42, 112116.	2.9	3
1891	Next-generation effects of fetal and lactational exposure to the neonicotinoid pesticide clothianidin on the immune system and gut microbiota. Journal of Veterinary Medical Science, 2023, 85, 434-442.	0.3	4
1892	Immunomodulatory role of oral microbiota in inflammatory diseases and allergic conditions. Frontiers in Allergy, 0, 4, .	1.2	4
1893	Crosstalk between microbiome, regulatory T cells and HCA2 orchestrates the inflammatory response in a murine psoriasis model. Frontiers in Immunology, 0, 14, .	2.2	2
1896	Dietary factors and risk for asthma: A Mendelian randomization analysis. Frontiers in Immunology, 0, 14, .	2.2	13
1897	A major mechanism for immunomodulation: Dietary fibres and acid metabolites. Seminars in Immunology, 2023, 66, 101737.	2.7	15
1898	Skin barrier immunology from early life to adulthood. Mucosal Immunology, 2023, 16, 194-207.	2.7	6
1899	Gut-Microbiota-Derived Metabolites Maintain Gut and Systemic Immune Homeostasis. Cells, 2023, 12, 793.	1.8	29
1900	Role of the Gut Microbiome in the Development of Atherosclerotic Cardiovascular Disease. International Journal of Molecular Sciences, 2023, 24, 5420.	1.8	10
1901	The impact of prenatal dog keeping on infant gut microbiota development. Clinical and Experimental Allergy, 2023, 53, 833-845.	1.4	9
1902	Gut microbiota in pre-clinical rheumatoid arthritis: From pathogenesis to preventing progression. Journal of Autoimmunity, 2023, 141, 103001.	3.0	12
1903	Targeting Lungâ€“Gut Axis for Regulating Pollution Particleâ€“Mediated Inflammation and Metabolic Disorders. Cells, 2023, 12, 901.	1.8	4
1904	Modulation of gut microbiota as a potential therapy to manipulate drug-induced hepatic damage in COVID-19 patients. World Journal of Gastroenterology, 0, 29, 1708-1720.	1.4	3
1906	Short chain fatty acids: key regulators of the local and systemic immune response in inflammatory diseases and infections. Open Biology, 2023, 13, .	1.5	18
1907	Impact of Pneumococcal and Viral Pneumonia on the Respiratory and Intestinal Tract Microbiomes of Mice. Microbiology Spectrum, 2023, 11, .	1.2	1

#	Article	IF	Citations
1908	Maternal diet modulates the infant microbiome and intestinal Flt3L necessary for dendritic cell development and immunity to respiratory infection. Immunity, 2023, 56, 1098-1114.e10.	6.6	9
1909	Pectin modulates calcium absorption in polarized Caco-2 cells via a pathway distinct from vitamin D stimulation. Journal of Applied Glycoscience (1999), 2023, , .	0.3	0
1910	Conventional, Complementary and Alternative Medicines: Mechanistic Insights into Therapeutic Landscape of Chronic Obstructive Pulmonary Disease. International Journal of COPD, 0, Volume 18, 447-457.	0.9	3
1911	Review of the Health Benefits of Cereals and Pseudocereals on Human Gut Microbiota. Food and Bioprocess Technology, 0, , .	2.6	2
1912	Inulin alleviates offspring asthma by altering maternal intestinal microbiome composition to increase short-chain fatty acids. PLoS ONE, 2023, 18, e0283105.	1.1	2
1913	Structure-function relationship and impact on the gut-immune barrier function of non-digestible carbohydrates and human milk oligosaccharides applicable for infant formula. Critical Reviews in Food Science and Nutrition, 0, , 1-21.	5.4	1
1914	Advanced structural characterization and in vitro fermentation prebiotic properties of cell wall polysaccharide from Kluyveromyces marxianus. International Journal of Biological Macromolecules, 2023, 241, 124420.	3.6	2
1915	The ratios of dietary non-fibrous carbohydrate (NFC) to neutral detergent fiber (NDF) influence intestinal immunity of rabbits by regulating gut microbiota composition and metabolites. Frontiers in Microbiology, 0, 14, .	1.5	1
1936	Human health impacts. , 2023, , 147-236.		0
1946	Humoral Immunity Against Aspergillus fumigatus. Mycopathologia, 0, , .	1.3	0
1947	Gut microbiota bridges dietary nutrients and host immunity. Science China Life Sciences, 2023, 66, 2466-2514.	2.3	11
1949	The Human Microbiome and Respiratory Diseases. , 2023, , 255-271.		0
1950	Mapping the Microbial Metabolites in Metabolic Disorder with Special Reference to Type-2 Diabetes. , 2023, , 67-80.		0
1959	Lung Microbiota: Its Relationship to Respiratory System Diseases and Approaches for Lung-Targeted Probiotic Bacteria Delivery. Molecular Pharmaceutics, 2023, 20, 3320-3337.	2.3	11
1983	Mechanisms of oral tolerance. , 2023, , .		0
1984	The gut microbiome: Closing the door to food allergens. , 2023, , .		0
1987	Towards modulating the gut microbiota to enhance the efficacy of immune-checkpoint inhibitors. Nature Reviews Clinical Oncology, 2023, 20, 697-715.	12.5	10
1993	Gut Microbiome, Obesity, and Metabolic Syndrome. , 2023, , 1-12.		0

#	Article	IF	Citations
2010	From gut to skin: exploring the potential of natural products targeting microorganisms for atopic dermatitis treatment. Food and Function, 2023, 14, 7825-7852.	2.1	1
2017	The modulation of pulmonary group 2 innate lymphoid cell function in asthma: from inflammatory mediators to environmental and metabolic factors. Experimental and Molecular Medicine, 2023, 55, 1872-1884.	3.2	0
2048	Nutrient intake, epigenetics, and asthma. , 2024, , 677-716.		0
2052	Immunometabolism of dendritic cells in health and disease. Advances in Immunology, 2023, , .	1.1	0
2064	Microbiome-based approaches to food allergy treatment. , 2023, , .		0
2072	Editorial: Allergic sensitization in infants. Frontiers in Allergy, 0, 4, .	1.2	0
2097	The effect of acarbose on inflammatory cytokines and adipokines in adults: a systematic review and meta-analysis of randomized clinical trials. Inflammopharmacology, 2024, 32, 355-376.	1.9	0
2111	Mining for the Next-Generation Microbiota Across the Gutâ€“Brain Axis. , 2024, , 485-502.		0
2115	Gut Microbiome, Obesity, and Metabolic Syndrome. , 2023, , 373-384.		0